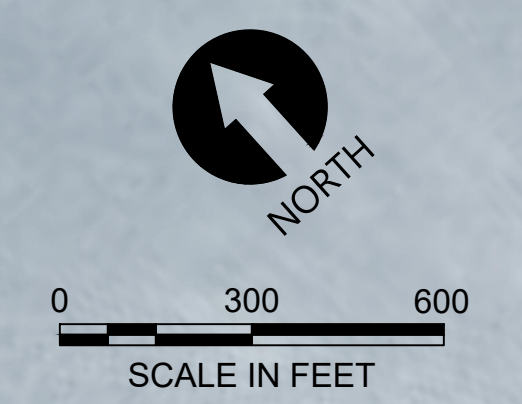


03/08/2023 10:46pm chewett  
 C:\Users\chevett\OneDrive\Documents\Projects\0730-PL-013\_Easements\05.dwg G-05

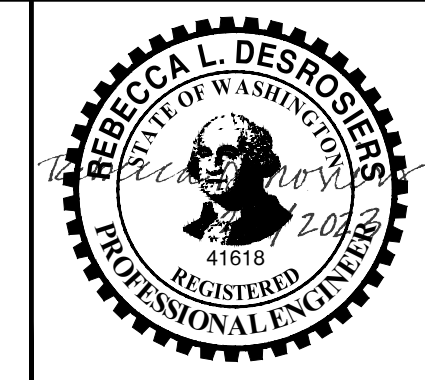


- NOTES:
- RAIL ROW IS 15 FEET FROM THE CENTERLINE OF THE RAIL ALIGNMENT ON EACH SIDE.
  - SEE DRAWING G-02 FOR EXISTING LEGEND.



**ISSUED FOR CONSTRUCTION**

PLAN INTENDED TO BE VIEWED  
 IN COLOR. ADJACENT BLOCK IS  
 "BLUE"  
 ONE INCH  
 AT FULL SIZE. IF NOT ONE  
 INCH SCALE ACCORDINGLY






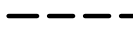
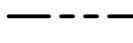
REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: N/A  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

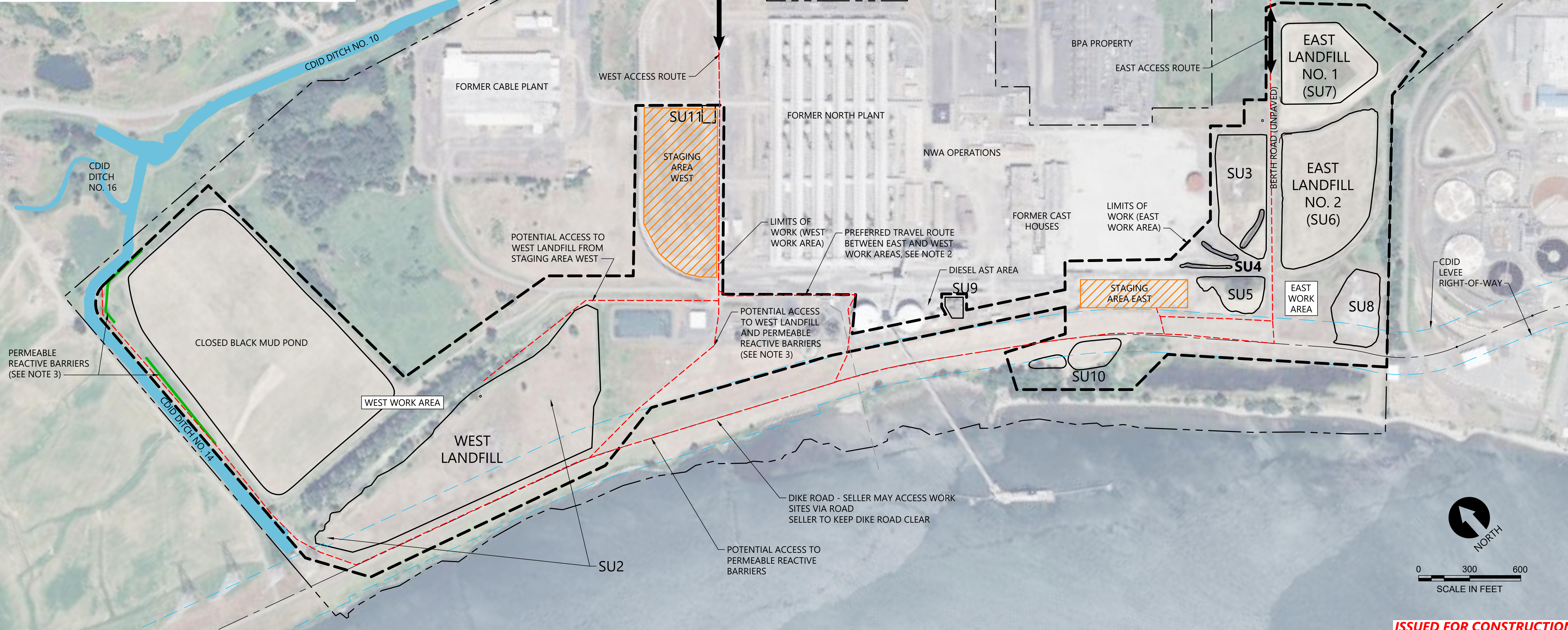
**FORMER REYNOLDS METALS REDUCTION PLANT -  
 LONGVIEW**  
**PROPERTY EASEMENTS**

**G-05**  
 SHEET # 5 OF 114



- LEGEND:**
-  CDID LEVEE RIGHT-OF-WAY (ROW)
  -  SITE ACCESS ROUTE
  -  STAGING AREA
  -  LIMITS OF WORK
  -  PROPERTY BOUNDARY

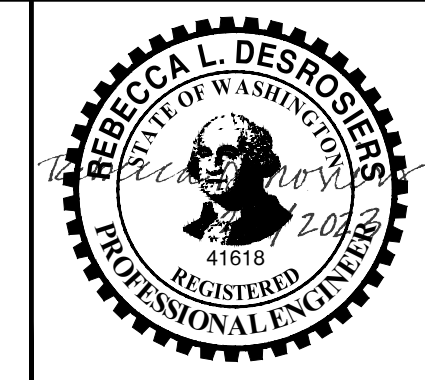
- NOTES:**
1. SELLER MUST ENSURE THAT HAUL TRUCKS AND ALL VEHICLES ON ROADS WITHIN THE PROPERTY BOUNDARY ARE NOT TRACKING ANY WASTE MATERIAL. SELLER MUST TAKE ACTIVE MEASURES TO CLEAN ANY AND ALL TRACKED MATERIAL ON A DAILY BASIS.
  2. SELLER MUST EMPLOY A WHEEL CLEANING METHOD FOR ALL VEHICLES TRANSITING BETWEEN THE EAST AND WEST WORK AREA ON ROADS ASSOCIATED WITH NWA OPERATIONS.
  3. SELLER MUST PROPOSE APPROPRIATE ROAD IMPROVEMENTS FOR ACCESS TO PERMEABLE REACTIVE BARRIERS, TO BE ACCEPTED BY THE COMPANY.
  4. SELLER MUST CONTROL DUST FROM PAVED AND UNPAVED SURFACES.
  5. THE SU11 REMOVAL ACTION MUST BE COMPLETED BEFORE THE WEST STAGING AREA MAY BE USED FOR LAYDOWN.
  6. SELLER MUST NOT CONDUCT ANY WORK OR PLACE ANY MATERIALS (TEMPORARY OR PERMANENT) WITHIN 15 FEET OF THE RAIL CENTERLINE, UNLESS AS ALLOWED BY THE TECHNICAL SPECIFICATIONS.



03/28/2023 10:47pm chevette

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY

**ISSUED FOR CONSTRUCTION**



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023



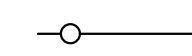

**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**

**STAGING AREAS AND ACCESS ROUTES**

**G-06**

SHEET # **6** OF **114**



- LEGEND:
-  STABILIZED ROCK CONSTRUCTION ENTRANCE
  -  WHEEL WASH
  -  SILT FENCE
  -  CATCH BASIN INLET PROTECTION

PLACE SILT FENCE AT TOE OF SLOPE, BETWEEN CDID DITCH NO. 14 AND AREAS DISTURBED BY PRB INSTALLATION, ADJUST AS NEEDED TO ACCOMMODATE PRB INSTALLATION WHILE PROVIDING A CONTINUOUS SEDIMENT BARRIER BETWEEN THE DISTURBED AREA AND THE CDID DITCH

BMP C233

PRB LOCATION, SEE DRAWING C-29

CLOSED BLACK MUD POND

006 REROUTE PUMP STATION

BMP C207 PROVIDE CHECK DAMS IN PERIMETER DITCHES INSTALLED TO COLLECT RUNOFF FROM LANDFILL AREAS DURING CONSTRUCTION. CHECK DAMS SHALL REMAIN UNTIL DITCHES ARE STABILIZED FOR PERMANENT USE.

APPROXIMATE WORK AREA BOUNDARY

6 T-04 CREATE A SEDIMENT TRAP IN EXISTING DITCH BY INSTALLING A TEMPORARY SEDIMENT TRAP OUTLET AT THE EDGE OF THE WEST WORK AREA

BMP C233 PLACE SILT FENCE AT TOP OF EXISTING DITCH BANK

BMP C105 PLACE STABILIZED ROCK CONSTRUCTION ENTRANCE AT ENTRANCE TO STAGING AREA

BMP C123 WEST CONSTRUCTION STAGING AREA, COVER STOCKPILES

BMP C233 INSTALL SILT FENCE BETWEEN ROAD AND STAGING AREA, TYP

FORMER CABLE PLANT

PLACE STABILIZED ROCK CONSTRUCTION ENTRANCE AT TRANSITION FROM UNPAVED ROAD TO PAVED ROAD

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY

- TESC NOTES:**
- SEE DRAWINGS T-03 AND T-04 FOR TESC NOTES, DETAILS AND DETAIL LEGEND.
  - THESE DRAWINGS SHOW TEMPORARY CONTROLS TO BE INSTALLED PRIOR TO LAND-DISTURBING WORK TO PREVENT THE DISCHARGE OF SEDIMENT AND SEDIMENT-LADEN WATER FROM DISTURBED AREAS TO ON-SITE STORMWATER CONTROL FACILITIES AND ADJACENT SURFACE WATER BODIES. ADDITIONAL CONTROLS NEEDED TO MANAGE POTENTIALLY CONTAMINATED GROUNDWATER AND SURFACE WATER, REFERRED TO AS REMEDIATION WATER, FROM THE EAST AND WEST GROUNDWATER MANAGEMENT AREAS DURING CONSTRUCTION AND BETWEEN CONSTRUCTION SEASONS ARE SHOWN ON THE TEMPORARY STORMWATER CONTROL DRAWINGS (SEE DRAWINGS TSC-01 THROUGH TSC-03).

- NOTES:**
- SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
  - HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
  - VERTICAL DATUM: NAVD88.
  - THE SU11 REMOVAL ACTION MUST BE COMPLETED BEFORE THE WEST STAGING AREA MAY BE USED FOR LAYDOWN.
  - SELLER MUST NOT CONDUCT ANY WORK OR PLACE ANY MATERIALS (TEMPORARY OR PERMANENT) WITHIN 15 FEET OF THE RAIL CENTERLINE, UNLESS AS ALLOWED BY THE TECHNICAL SPECIFICATIONS.

EXISTING CDID PUMP STATION

PLACE SILT FENCE AT EDGE OF EXISTING ROAD

BMP C233

PROPOSED WLF PUMP STATION, SEE DRAWING DR-03

PLACE SILT FENCE

BMP C233

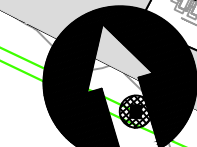
INSTALL WHEEL WASH

BMP C106

FACILITY 73 FILTER PLANT

FACILITY 73 RETENTION POND PUMP STATION C

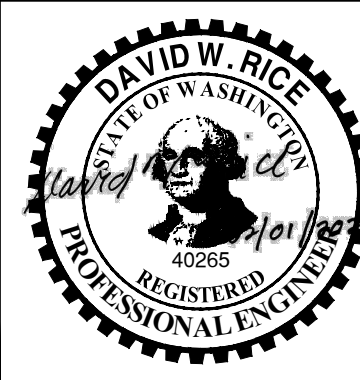
EXISTING 4" Ø DR21 HDPE LINE (NOT IN USE)



SCALE IN FEET

ISSUED FOR CONSTRUCTION

03/04/2023 10:47pm chevette



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: D. RICE  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**

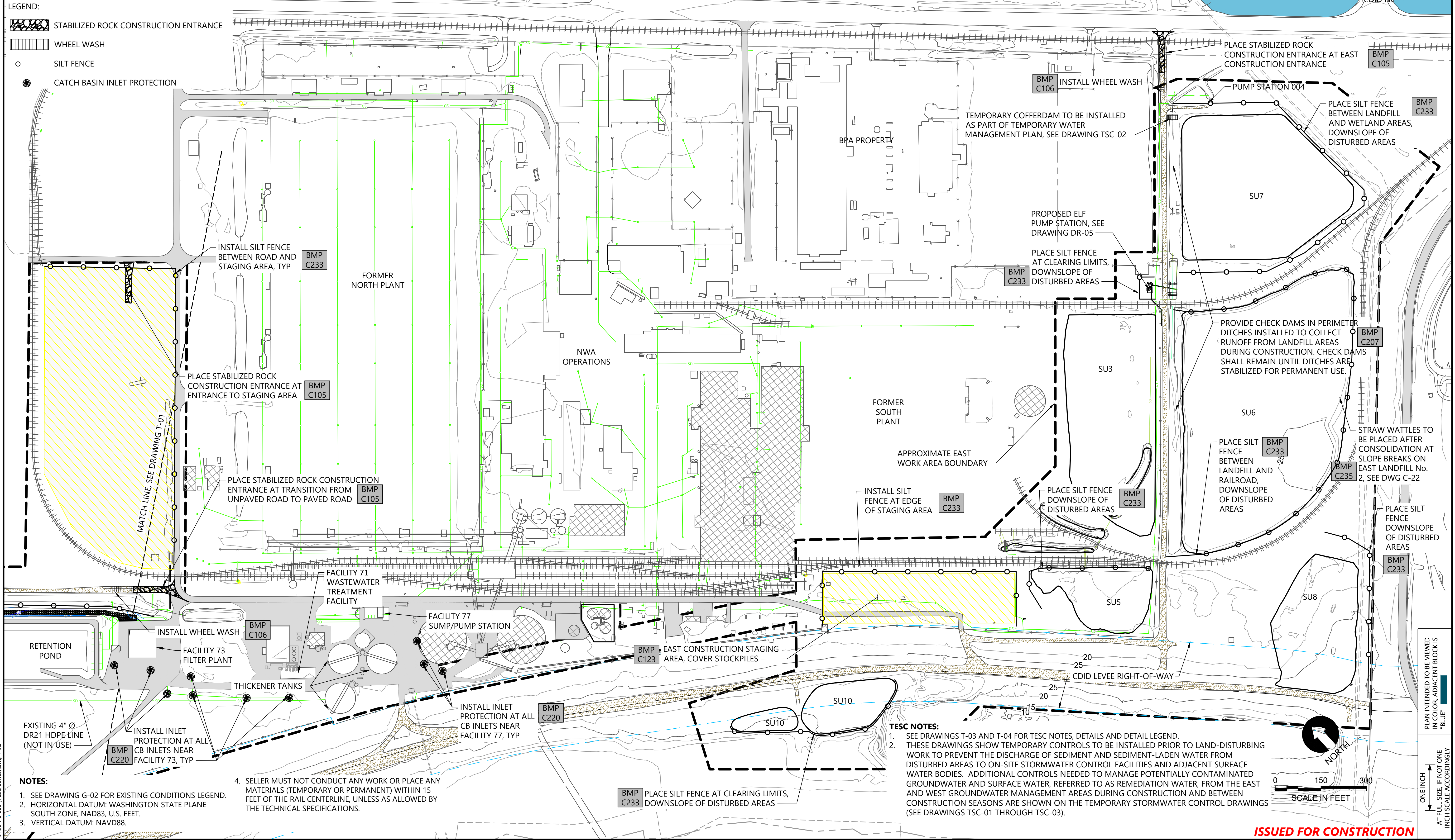
**TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) PLAN - WEST**

**T-01**

SHEET # 7 OF 114



- LEGEND:**
- STABILIZED ROCK CONSTRUCTION ENTRANCE
  - WHEEL WASH
  - SILT FENCE
  - CATCH BASIN INLET PROTECTION

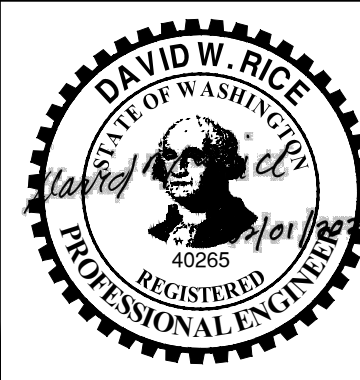


- NOTES:**
1. SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
  2. HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
  3. VERTICAL DATUM: NAVD88.
  4. SELLER MUST NOT CONDUCT ANY WORK OR PLACE ANY MATERIALS (TEMPORARY OR PERMANENT) WITHIN 15 FEET OF THE RAIL CENTERLINE, UNLESS AS ALLOWED BY THE TECHNICAL SPECIFICATIONS.

- TESC NOTES:**
1. SEE DRAWINGS T-03 AND T-04 FOR TESC NOTES, DETAILS AND DETAIL LEGEND.
  2. THESE DRAWINGS SHOW TEMPORARY CONTROLS TO BE INSTALLED PRIOR TO LAND-DISTURBING WORK TO PREVENT THE DISCHARGE OF SEDIMENT AND SEDIMENT-LADEN WATER FROM DISTURBED AREAS TO ON-SITE STORMWATER CONTROL FACILITIES AND ADJACENT SURFACE WATER BODIES. ADDITIONAL CONTROLS NEEDED TO MANAGE POTENTIALLY CONTAMINATED GROUNDWATER AND SURFACE WATER, REFERRED TO AS REMEDIATION WATER, FROM THE EAST AND WEST GROUNDWATER MANAGEMENT AREAS DURING CONSTRUCTION AND BETWEEN CONSTRUCTION SEASONS ARE SHOWN ON THE TEMPORARY STORMWATER CONTROL DRAWINGS (SEE DRAWINGS TSC-01 THROUGH TSC-03).

**ISSUED FOR CONSTRUCTION**

0730-PL-005 (TESC Series) dwg T-02  
Jan 31, 2023 10:47pm chewett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: D. RICE  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

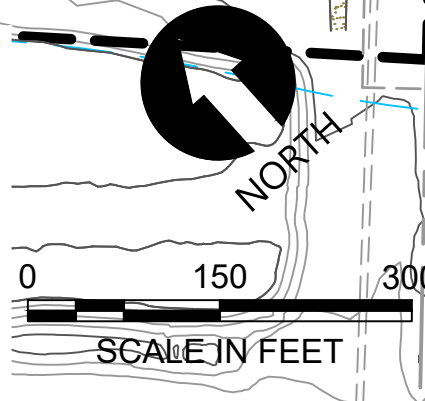
**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**

**TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) PLAN - EAST**

**T-02**

SHEET # **8** OF 114

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY





**GENERAL TESC NOTES:**

- ALL CLEARING AND GRADING MUST BE IN ACCORDANCE WITH THE SELLER'S ENVIRONMENTAL PROTECTION PLAN (EPP) THAT INCLUDES A TEMPORARY EROSION AND SEDIMENT CONTROL PLAN DEVELOPED CONSISTENT WITH THE EXISTING SITE-SPECIFIC SWPPP, THE REMEDIATION WATER MANAGEMENT PLAN (RWMP), AND THE MINIMUM REQUIREMENTS CONTAINED IN THE COWLITZ COUNTY STORMWATER DRAINAGE MANUAL AND CODE AND OTHER APPLICABLE STANDARDS, CODES, AND ORDINANCES. ANY VARIANCE FROM ADOPTED EROSION CONTROL STANDARDS IS NOT ALLOWED UNLESS SPECIFICALLY APPROVED BY THE COMPANY.
- THE SELLER MUST PROVIDE A CERTIFIED EROSION AND SEDIMENT CONTROL LEAD (CESCL) TO MANAGE AND MAINTAIN TEMPORARY EROSION AND SEDIMENT CONTROL FOR THE PROJECT. THE NAMED PERSON OR FIRM MUST BE ON SITE OR ON CALL 24 HOURS A DAY, 7 DAYS PER WEEK UNTIL THE WORK IS SUBSTANTIALLY COMPLETE AND THE SITE IS STABILIZED. ALL REMEDIATION WATER IS TO BE COLLECTED AND MANAGED PER THE REMEDIATION WATER MANAGEMENT PLAN (RWMP).
- THESE TESC PLAN DRAWINGS ARE CONCEPTUAL. THE SELLER MUST DEVELOP AND SUBMIT DETAILED TESC PLANS, INCLUDING ANY RECOMMENDED ALTERNATIVE BMPS, FOR APPROVAL BY THE COMPANY PRIOR TO ANY SITE DISTURBANCE. THE SELLER'S TESC PLANS MUST COMPLY WITH THE SITE-SPECIFIC SWPPP, SELLER'S ENVIRONMENTAL PROTECTION PLAN (EPP), REMEDIATION WATER MANAGEMENT PLAN (RWMP), AND THE SPECIFICATIONS. THE SELLER MUST PROVIDE ALL EQUIPMENT AND ASSUME ALL OPERATIONS AND MAINTENANCE COSTS TO MANAGE STORMWATER.
- THE IMPLEMENTATION OF THESE TESC DRAWINGS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE TESC FACILITIES IS THE RESPONSIBILITY OF THE SELLER UNTIL ALL CONSTRUCTION IS COMPLETED.
- THE CLEARING AND DISTURBANCE LIMITS MUST BE CLEARLY MARKED IN THE FIELD PRIOR TO CLEARING AND GRADING. WHERE SILT FENCE IS NOT SPECIFIED AT THE CLEARING AND DISTURBANCE LIMITS, THE SELLER MUST INSTALL HIGH-VISIBILITY FENCING OR FLAGGING TO CLEARLY MARK THE CLEARING AND DISTURBANCE LIMITS. FENCES MUST BE MAINTAINED BY THE SELLER FOR THE DURATION OF CONSTRUCTION.
- THE TESC FACILITIES SHOWN ON THESE DRAWINGS MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DO NOT ENTER SURFACE WATER BODIES, INCLUDING ON-SITE DITCHES AND WETLANDS, CDID DITCHES, AND THE COLUMBIA RIVER.
- THE TESC FACILITIES SHOWN ON THESE DRAWINGS ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING CONSTRUCTION, THESE TESC FACILITIES MUST BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DO NOT LEAVE THE SITE.
- THE TESC FACILITIES MUST BE INSPECTED WEEKLY BY THE SELLER AND MAINTAINED, REPAIRED, OR AUGMENTED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
- STABILIZED CONSTRUCTION ENTRANCES AND WHEEL WASHES MUST BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. WHEEL WASH WATER MUST BE MANAGED IN ACCORDANCE WITH THE REMEDIATION WATER MANAGEMENT PLAN (RWMP).
- DURING THE WET SEASON, NO SOILS WILL REMAIN EXPOSED AND UNWORKED FOR MORE THAN 2 DAYS. DURING THE DRY SEASON, NO SOILS WILL REMAIN EXPOSED AND UNWORKED FOR MORE THAN 7 DAYS. SOILS MUST BE STABILIZED AT THE END OF THE SHIFT BEFORE A HOLIDAY OR WEEKEND IF NEEDED BASED ON THE WEATHER FORECAST. THESE STABILIZATION REQUIREMENTS APPLY TO ALL SOILS ON SITE, WHETHER AT FINAL GRADE OR NOT.
- SOIL AND OTHER STOCKPILES MUST BE STABILIZED AND PROTECTED WITH SEDIMENT-TRAPPING MEASURES.
- ALL POLLUTANTS, INCLUDING WASTE MATERIALS AND DEMOLITION DEBRIS, THAT OCCUR ON SITE DURING CONSTRUCTION MUST BE HANDLED AND DISPOSED OF IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORMWATER. WASTE AND DEBRIS THAT WILL NOT BE CONSOLIDATED IN THE LANDFILLS MUST BE STORED IN DESIGNATED AREAS, ON TARPS, AND COVERED.
- MAINTENANCE AND REPAIR OF HEAVY EQUIPMENT AND VEHICLES AND OTHER ACTIVITIES THAT MAY RESULT IN DISCHARGE OR SPILLAGE OF POLLUTANTS TO THE GROUND OR INTO STORMWATER RUNOFF MUST BE CONDUCTED USING SPILL PREVENTION MEASURES APPROVED BY THE COMPANY. REPORT ALL SPILLS TO CESCL LEAD AND THE COMPANY. THE COMPANY WILL MAKE THE APPROPRIATE NOTIFICATIONS.
- THE SELLER IS RESPONSIBLE FOR THE CARE AND DIVERSION OF WATER DURING CONSTRUCTION IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL WATER QUALITY STANDARDS AND PROJECT PERMIT REQUIREMENTS. TESC IMPLEMENTATION AND MAINTENANCE MUST COMPLY WITH ALL PROJECT PERMIT REQUIREMENTS.
- WASHING OF EQUIPMENT ON THE PROJECT SITE, WITH THE EXCEPTION OF DECONTAMINATING EQUIPMENT AS REQUIRED IN THE TECHNICAL SPECIFICATIONS, MUST NOT BE ALLOWED UNLESS AUTHORIZED IN WRITING BY THE COMPANY.

**PROJECT SPECIFIC EROSION CONTROL NOTES:**

- THESE TESC PLANS ARE CONCEPTUAL. THE SELLER WILL ULTIMATELY BE RESPONSIBLE FOR IDENTIFYING AND IMPLEMENTING TESC BMPS NEEDED TO PREVENT TRANSPORT OF SEDIMENT-LADEN WATER FROM THE SITE. THE SELLER MUST SUBMIT ANY PROPOSED REVISIONS TO THESE PLANS AND THE APPROVED CONSTRUCTION SWPPP TO CONFIRM THE BMPS TO BE INSTALLED AS PART OF THE WORK. THE SELLER-SUBMITTED TESC AND SWPPP REVISIONS MUST BE APPROVED BY THE COMPANY.
- THE PROJECT WILL BE CONSTRUCTED OVER AT LEAST TWO CONSTRUCTION SEASONS OR PHASES:  
 SEASON 1: INITIAL EXCAVATION, MATERIAL PLACEMENT, CONSOLIDATION, AND INSTALLATION OF THE PUMP STATIONS AND FORCE MAIN PIPING  
 SEASON 2 AND BEYOND: FINAL GRADING AND COVER PLACEMENT OF EAST LANDFILLS AND INSTALLATION OF PRBS  
 THE SELLER MUST MAINTAIN AND MODIFY TEMPORARY EROSION CONTROL BMPS TO ACCOMMODATE ALL PHASES OF CONSTRUCTION. TEMPORARY EROSION CONTROL BMPS MUST ALSO BE MAINTAINED AND MODIFIED, AS NECESSARY, BETWEEN CONSTRUCTION PHASES OR SEASONS. TEMPORARY DIVERSION PIPES AND EQUIPMENT, SILT FENCES, AND OTHER CONTROLS MUST BE RELOCATED AND ADJUSTED TO CONTINUOUSLY CONTROL STORMWATER RUNOFF AT THE SITE, MAINTAIN DRAINAGE FROM THE SITE, AND PREVENT SEDIMENT-LADEN WATER FROM ENTERING THE COLUMBIA RIVER, ON-SITE DITCHES AND WETLANDS, AND THE ADJACENT CDID DITCHES. SEE CONSTRUCTION SEQUENCE.
- THE SELLER IS RESPONSIBLE FOR THE CARE AND DIVERSION OF WATER DURING CONSTRUCTION IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL WATER QUALITY STANDARDS AND PROJECT PERMIT REQUIREMENTS. SEE DRAWINGS TSC-01, TSC-02, AND TSC-03 FOR TEMPORARY STORMWATER CONTROL REQUIREMENTS.
- THE EPP IMPLEMENTATION AND MAINTENANCE MUST COMPLY WITH ALL PROJECT PERMIT REQUIREMENTS.
- THE SELLER MUST INSTALL CHECK DAMS AT 50 FOOT SPACINGS IN ALL STORMWATER DITCHES CONSTRUCTED TO MANAGE TEMPORARY OR SEASONAL STORMWATER. CHECK DAMS ARE NOT REQUIRED IN PERMANENT CONFIGURATION DITCHES

**STORMWATER MANAGEMENT NOTES:**

- REMEDATION WATER GENERATED AND CAPTURED WITHIN THE EAST AND WEST GROUNDWATER AREAS MUST BE CONVEYED TO FACILITY 77 BY THE SELLER. SEE SPECIFICATION SECTION 02 71 00 FOR ADDITIONAL REQUIREMENTS.
- SEE DRAWINGS TSC-01, TSC-02, AND TSC-03 FOR TEMPORARY STORMWATER CONTROL REQUIREMENTS, INCLUDING REQUIREMENTS FOR MANAGEMENT OF STORMWATER RUNOFF AND GROUNDWATER FROM THE EAST AND WEST GROUNDWATER AREAS, REFERRED TO AS REMEDIATION WATER, TO MEET NPDES PERMIT REQUIREMENTS.

**CONSTRUCTION SEQUENCE:**

- SCHEDULE AND CONDUCT A PRE-CONSTRUCTION MEETING PER THE TECHNICAL SPECIFICATIONS.
- FLAG OR FENCE CLEARING LIMITS.
- POST SIGN WITH NAME AND CONTACT NUMBER OF SUPERINTENDENT AND CESCL.
- INSTALL CATCH BASIN INLET PROTECTION AT ALL CB INLETS AT FACILITY 73, FACILITY 77, AND THE EAST STAGING AREA.
- INSTALL STABILIZED CONSTRUCTION ENTRANCES AND WHEEL WASHES TO PREVENT TRACKING OF SEDIMENT FROM DISTURBED AREAS TO PAVED ON-SITE ROADWAYS AND TO ADJACENT PUBLIC ROADWAYS.
- INSTALL SILT FENCE AND OTHER PERIMETER CONTROLS NEEDED TO INITIATE CLEARING, DEMOLITION, AND EXCAVATION OF REMEDIATION AREAS.
- INSTALL AND TEST TEMPORARY AND/OR PERMANENT STORMWATER CONTROL, PUMPS, PIPING, COFFERDAMS, AND OTHER EQUIPMENT NEEDED TO COMPLY WITH REMEDIATION WATER CONTROL REQUIREMENTS THROUGHOUT ALL PHASES OF CONSTRUCTION. SEE REQUIREMENTS AND SEQUENCING ON DRAWINGS TSC-01, TSC-02, AND TSC-03.
- GRADE AND STABILIZE ON-SITE CONSTRUCTION ACCESS.
- COMMENCE CLEARING, GROUND IMPROVEMENT ACTIVITIES, SELECT DEMOLITION, AND EXCAVATION OF REMEDIATION AREAS.
- COMPLETE PLACEMENT AND COMPACTION OF MATERIAL IN LANDFILL AREAS TO INITIATE CONSOLIDATION.
- CONTINUE TO OPERATE TESC BMPS AND TEMPORARY STORMWATER CONTROLS THROUGH ALL SEASONS AND PHASES OF CONSTRUCTION. RELOCATE BMPS OR IMPLEMENT ADDITIONAL BMPS AS CONDITIONS CHANGE.
- ADJUST OR RELOCATE BMPS TO ACCOMMODATE FINAL LANDFILL CONSTRUCTION AND PRB INSTALLATION.
- PLACE FINAL LANDFILL MATERIAL, CAP MATERIAL, AND COMPLETE CONSTRUCTION OF PERMANENT STORMWATER CONTROLS TO FINAL ALIGNMENTS AND GRADES.
- COVER ALL DISTURBED AREAS WITHIN THE SPECIFIED TIME FRAME WITH STRAW, MULCH, COVERS, BLANKETS, PLASTIC SHEETING, OR EQUIVALENT.
- COVER ALL MATERIAL STOCKPILES WITH PLASTIC COVERINGS.
- STABILIZE EXPOSED SOILS THAT REACH FINAL GRADE BY SEEDING OR PLANTING.
- PERMANENTLY STABILIZE ALL DISTURBED AREAS AND REMOVE ALL TEMPORARY BMPS WHEN WORK IS COMPLETE.
- ADJUST THIS SEQUENCE AS NEEDED TO INCLUDE ADDITIONAL MEASURES REQUIRED TO MEET CONSTRUCTION STORMWATER PERMIT REQUIREMENTS.

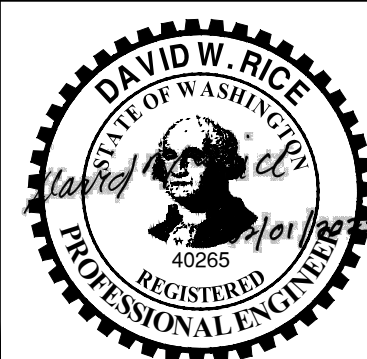
**STANDARD TESC DETAILS LEGEND:**

- THE FOLLOWING ARE STANDARD WASHINGTON STATE DEPARTMENT OF ECOLOGY TESC BMP DETAILS THAT ARE APPLICABLE TO THE PROJECT OR REFERENCED IN THE APPROVED SWPPP. SEE THE SWPPP, THE WASHINGTON DEPARTMENT OF ECOLOGY STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON, AND THE TECHNICAL SPECIFICATIONS FOR THESE DETAILS.

BMP REFERENCE	DESCRIPTION
C103	HIGH-VISIBILITY FENCE
C105	STABILIZED CONSTRUCTION ACCESS
C106	WHEEL WASH
C120	TEMPORARY AND PERMANENT SEEDING
C121	MULCHING
C123	PLASTIC COVERING FOR STOCKPILES
C207	CHECK DAMS
C208	TRIANGULAR SILT DIKE
C220	INLET PROTECTION
C233	SILT FENCE
C235	WATTLES

**ISSUED FOR CONSTRUCTION**

0730-PL-005 (TESC\_Series).dwg T-03 Jan 31, 2023 10:47pm chewett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: D. RICE  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**

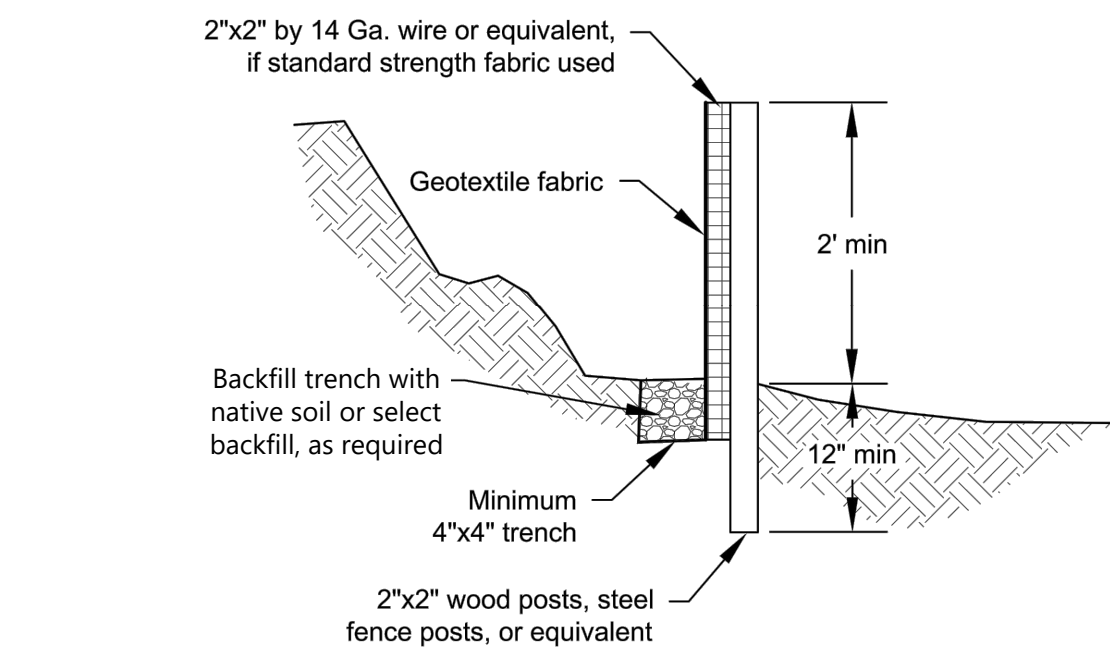
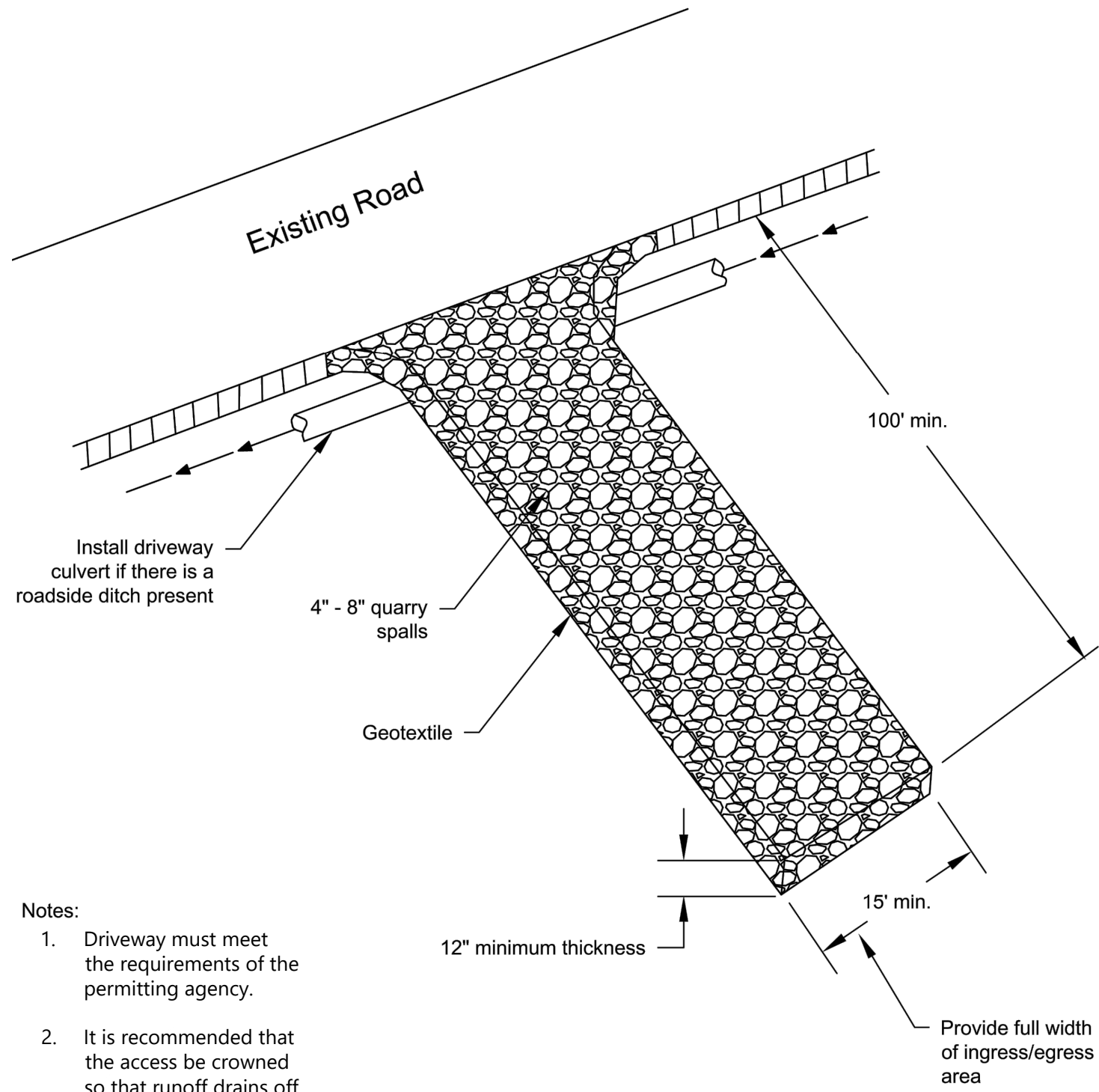
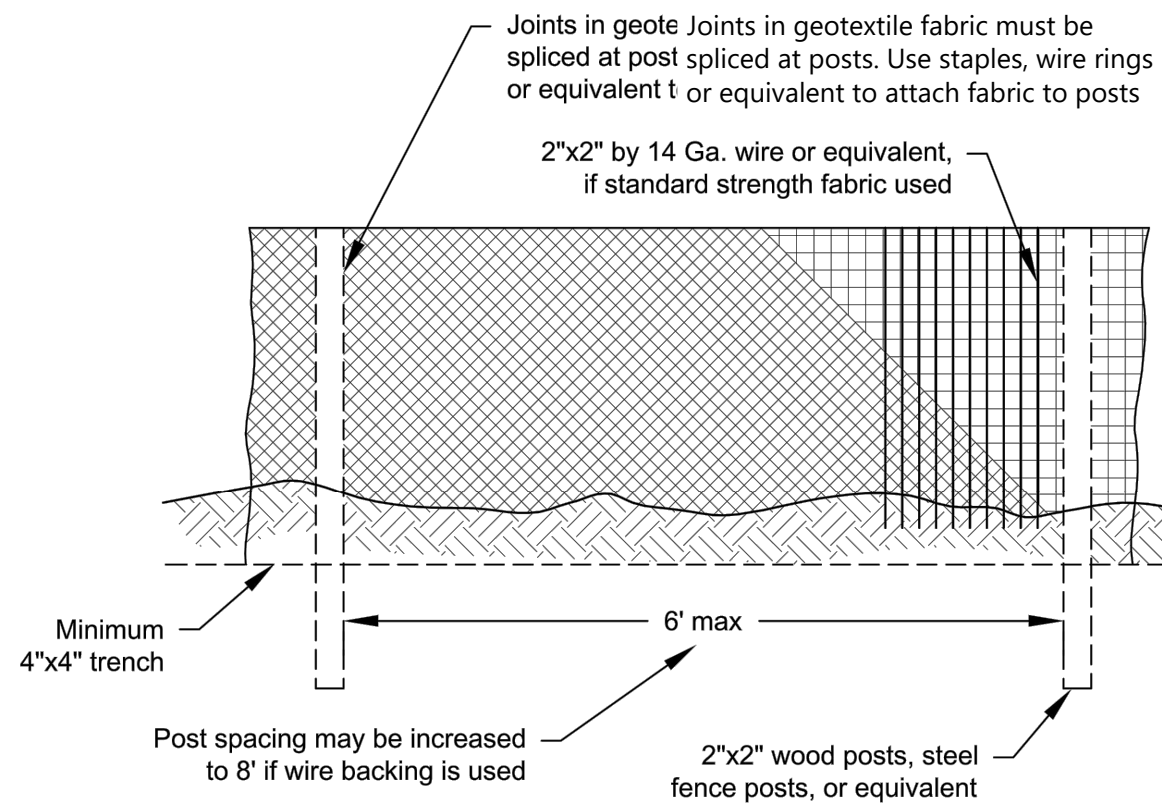
**TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) NOTES**

**T-03**

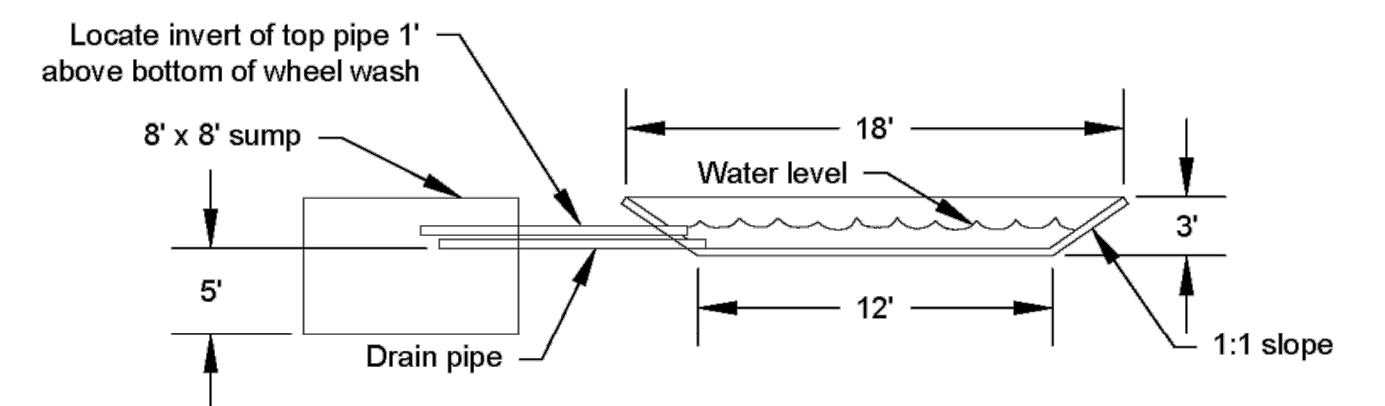
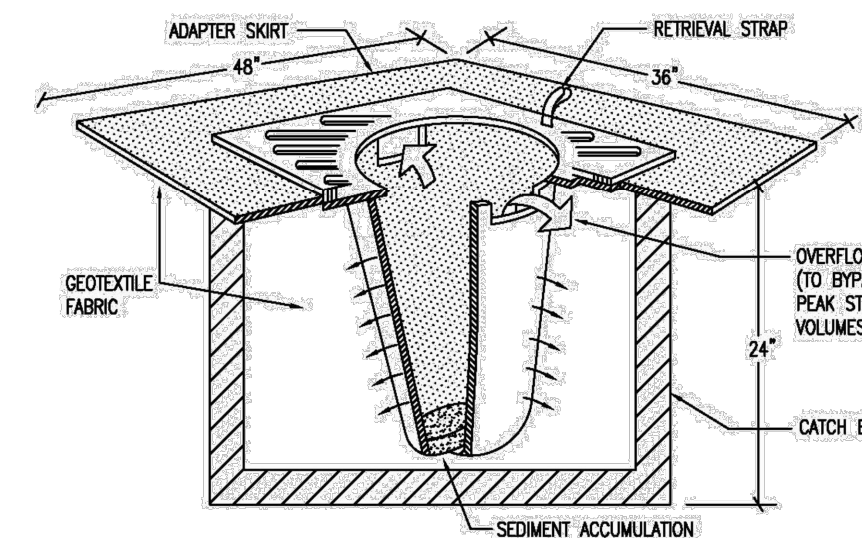
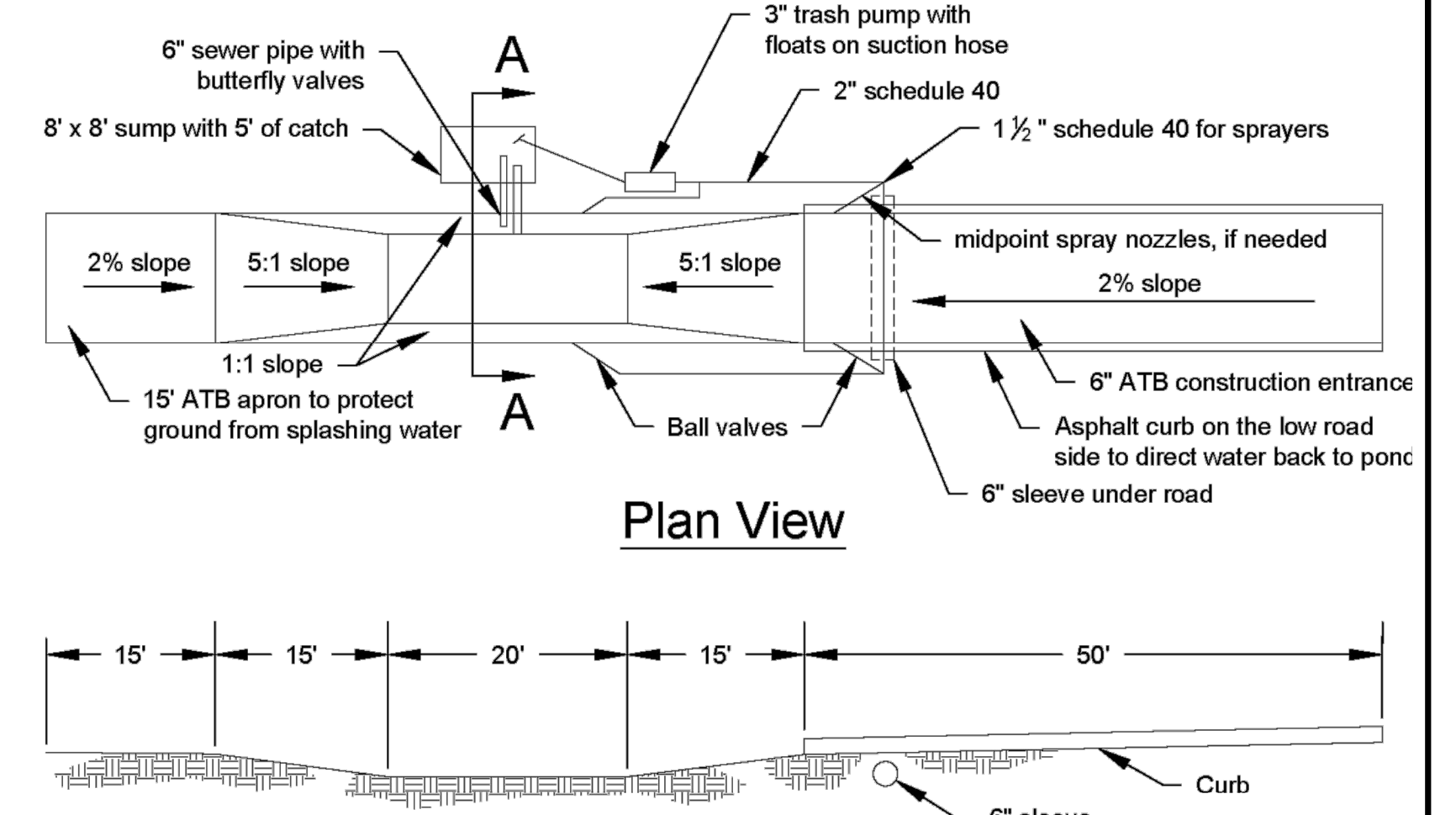
SHEET # **9** OF **114**

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" ONE INCH AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY





- Notes:
1. Driveway must meet the requirements of the permitting agency.
  2. It is recommended that the access be crowned so that runoff drains off the pad.



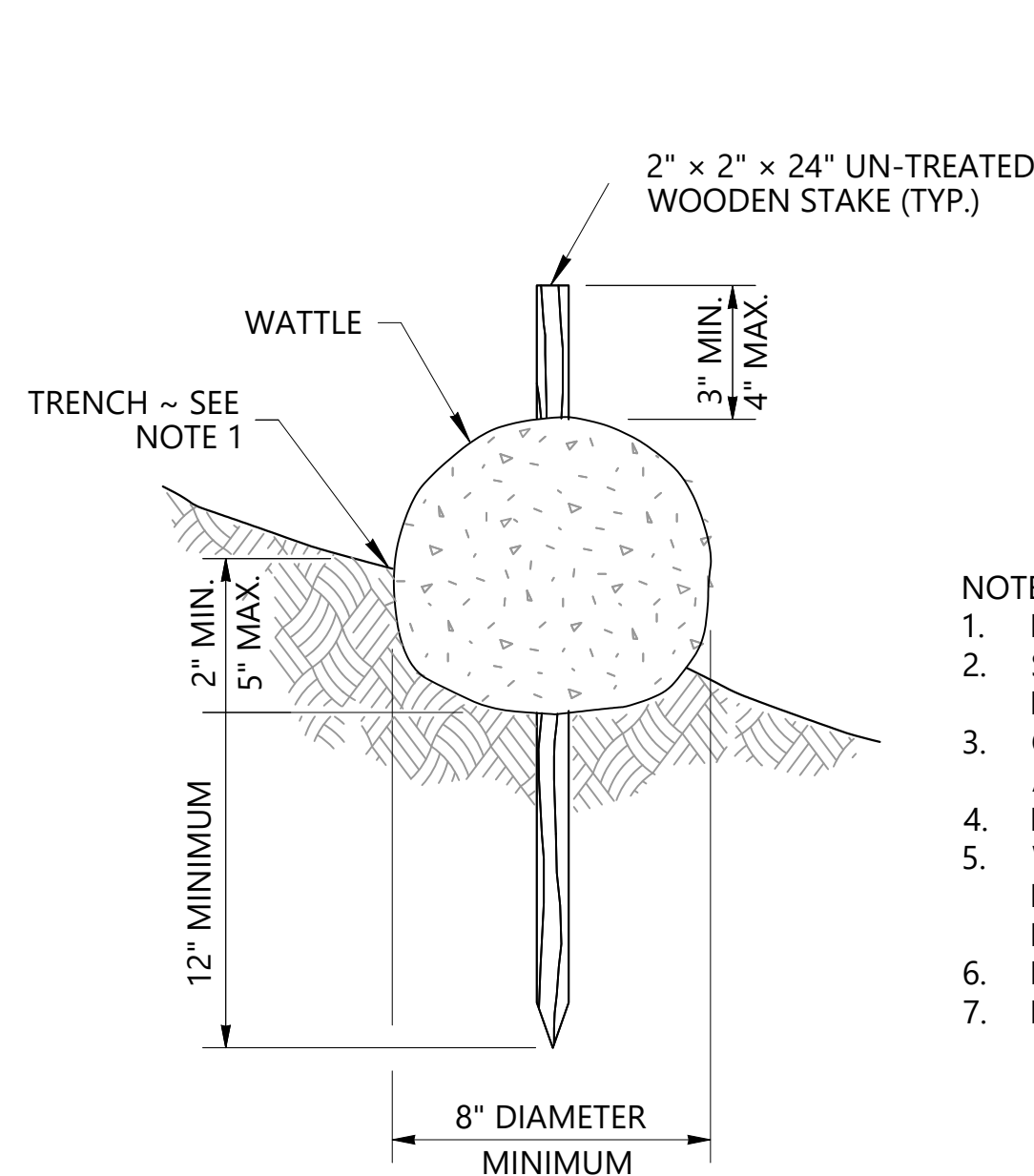
**1 SILT FENCE (BMP C233)**  
T-01  
SCALE: NOT TO SCALE  
SOURCE: WASHINGTON STATE DEPARTMENT OF ECOLOGY

**2 STABILIZED CONSTRUCTION ENTRANCE (BMP C105)**  
T-01  
SCALE: NOT TO SCALE  
SOURCE: WASHINGTON STATE DEPARTMENT OF ECOLOGY

**3 CATCH BASIN INLET PROTECTION (BMP C220)**  
T-02  
SCALE: NTS

**5 WHEEL WASH (BMP C106)**  
T-01  
SCALE: NTS  
SOURCE: WASHINGTON STATE DEPARTMENT OF ECOLOGY

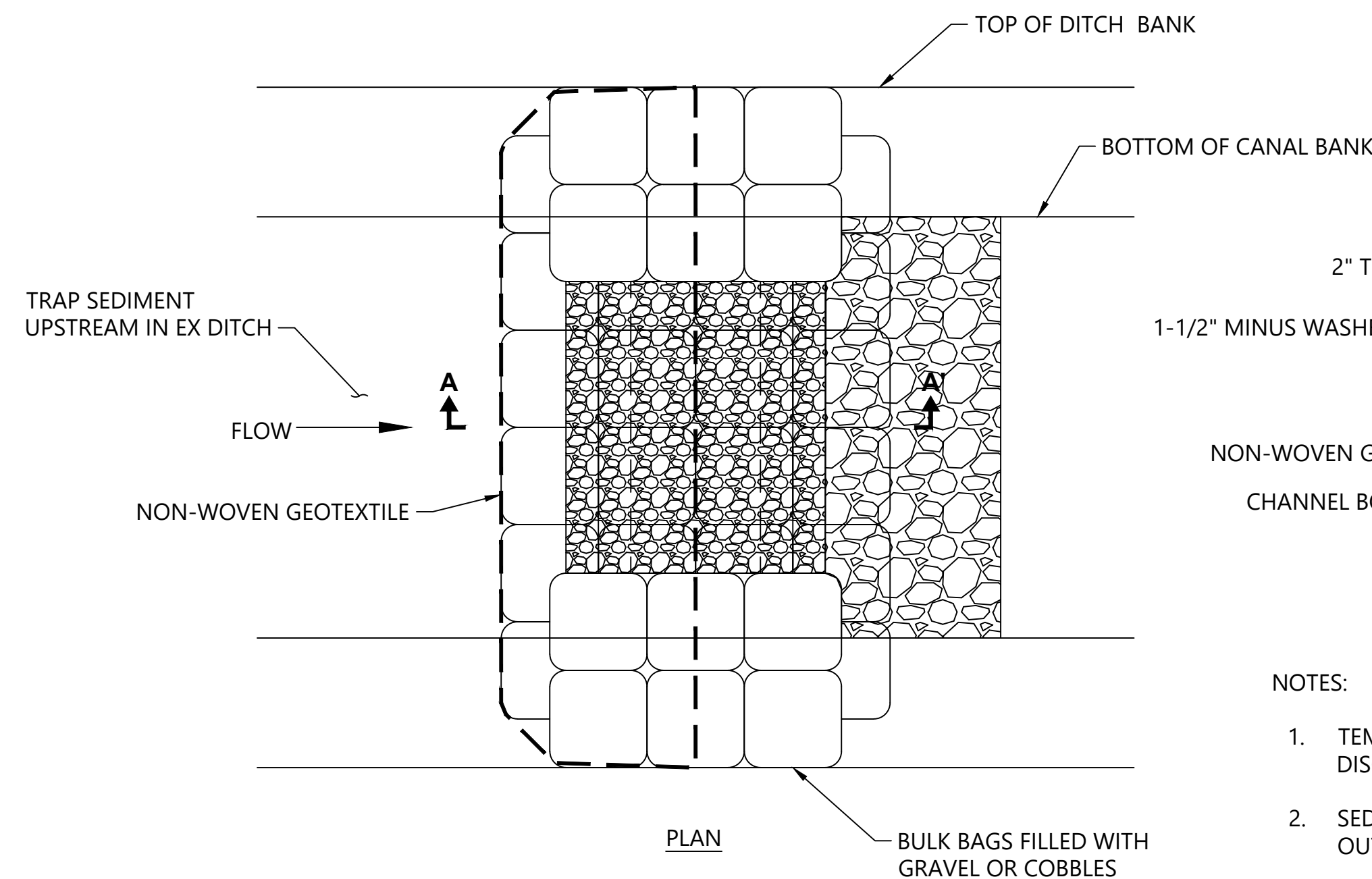
- INLET PROTECTION NOTES:
1. FILTERS SHALL BE INSPECTED PER EPP OR SWPPP REQUIREMENTS.



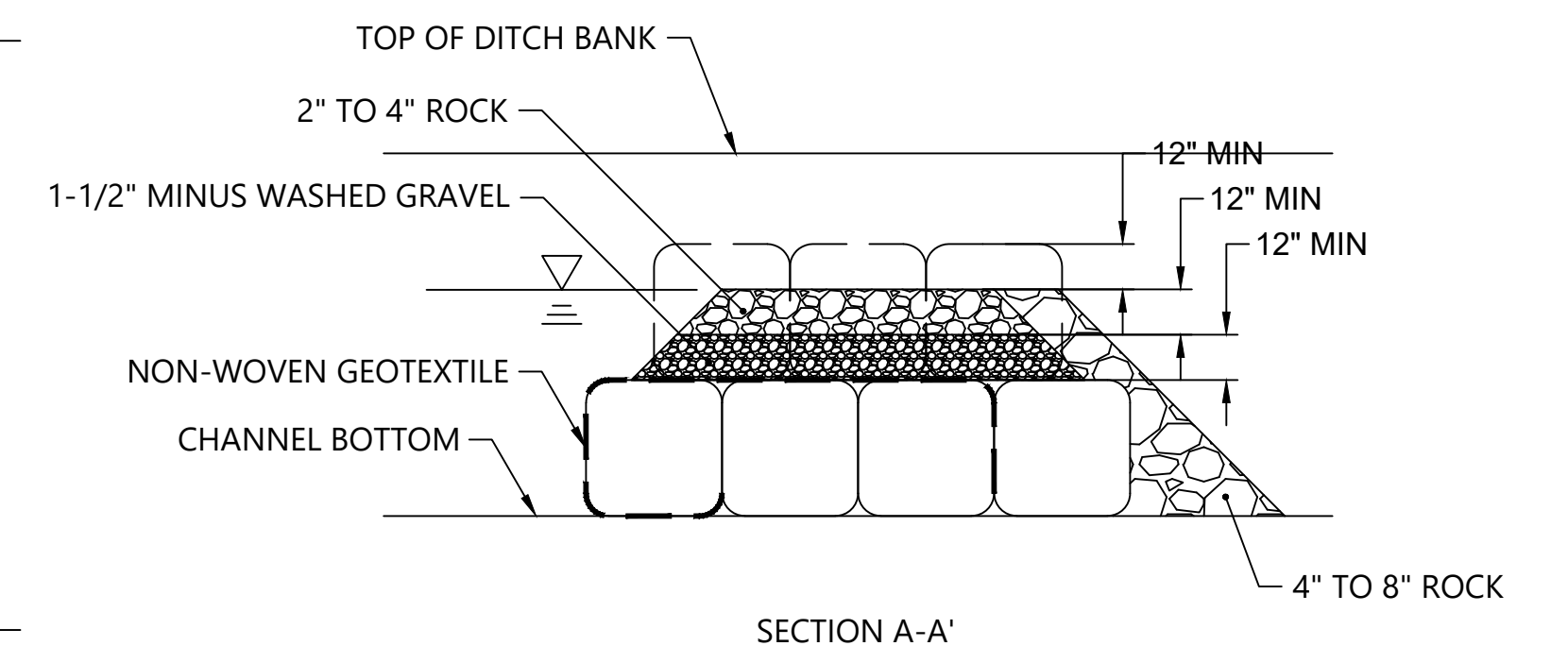
SLOPE	MAXIMUM SPACING
1H : 1V	10' - 0"
2H : 1V	20' - 0"
3H : 1V	30' - 0"
4H : 1V	40' - 0"

- NOTES:
1. INSTALL WATTLES ALONG CONTOURS.
  2. SECURELY KNOT EACH END OF WATTLE. OVERLAP ADJACENT WATTLE ENDS 12" BEHIND ONE ANOTHER AND SECURELY TIE TOGETHER.
  3. COMPACT EXCAVATED SOIL AND TRENCHES TO PREVENT UNDERCUTTING. ADDITIONAL STAKING MAY BE NECESSARY TO PREVENT UNDERCUTTING.
  4. INSTALL WATTLE PERPENDICULAR TO FLOW ALONG CONTOURS.
  5. WATTLES SHALL BE INSPECTED REGULARLY, AND IMMEDIATELY AFTER A RAINFALL PRODUCES RUNOFF, TO ENSURE THEY REMAIN THOROUGHLY ENTRENCHED AND IN CONTACT WITH THE SOIL.
  6. PERFORM MAINTENANCE IN ACCORDANCE WITH STANDARD SPECIFICATIONS.
  7. REFER TO STANDARD SPECIFICATIONS FOR REMOVAL.

**4 STRAW WATTLE (BMP C235)**  
T-02  
SCALE: NTS



**6 TEMPORARY SEDIMENT TRAP OUTLET**  
T-01  
SCALE: NTS

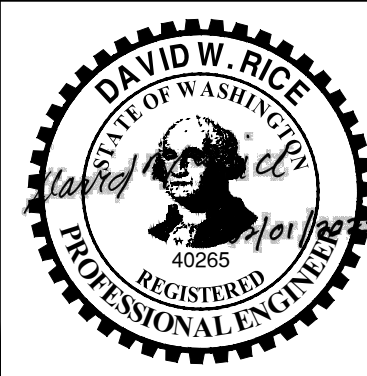


- NOTES:
1. TEMPORARY SEDIMENT TRAP OUTLET SHALL BE MAINTAINED TO PREVENT DISCHARGE OF SEDIMENT-LADEN WATER DOWNSTREAM OF OUTLET.
  2. SEDIMENT SHALL BE REMOVED FROM THE DITCH UPSTREAM OF THE OUTLET, AS NEEDED DURING CONSTRUCTION.
  3. THE OUTLET SHALL BE SCALED TO FIT THE SIZE OF THE DITCH AND SHALL ALLOW FOR CONVEYANCE OF PEAK FLOWS IN DITCH WHILE PREVENTING OVERTOPPING OF DITCH BANK.

NOTE: EXAMPLES SHOWN ARE FOR SELLER INFORMATION ONLY AND INTENDED TO SHOW EXAMPLE BEST MANAGEMENT PRACTICES. DESIGN AND OPERATION OF TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES ARE THE RESPONSIBILITY OF THE SELLER. COMPLY WITH ALL CONTRACT DOCUMENTS, ENVIRONMENTAL PROTECTION PLAN, AND THE FEDERAL, STATE, AND LOCAL PERMIT REQUIREMENTS.

0730-PL-005 (TESC Series) dwp T-04

Jan 31, 2023 10:47pm chevwett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: D. RICE  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**  
  
**TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) DETAILS**

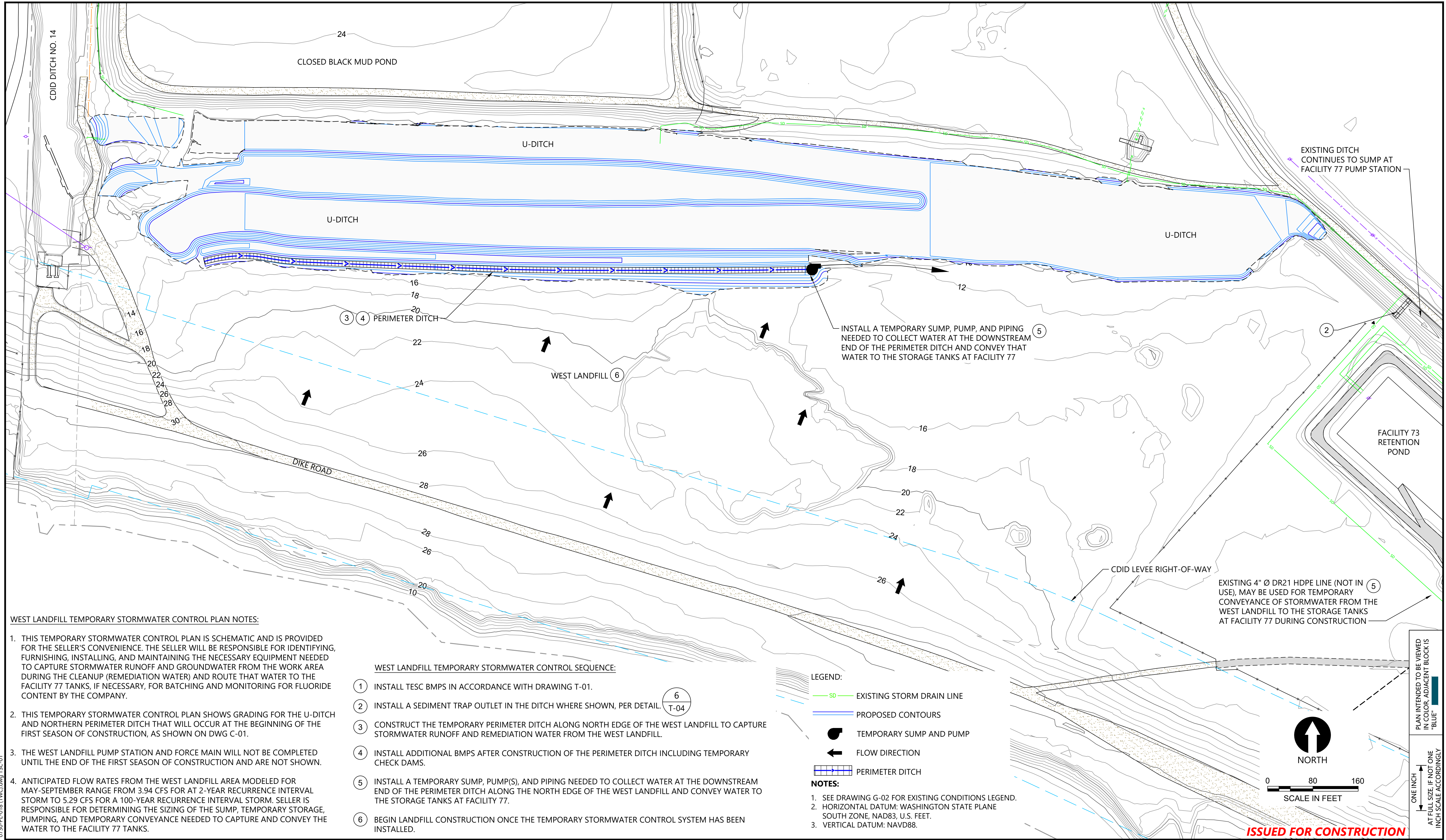
**T-04**

SHEET # **10** OF **114**

**ISSUED FOR CONSTRUCTION**

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY





**WEST LANDFILL TEMPORARY STORMWATER CONTROL PLAN NOTES:**

1. THIS TEMPORARY STORMWATER CONTROL PLAN IS SCHEMATIC AND IS PROVIDED FOR THE SELLER'S CONVENIENCE. THE SELLER WILL BE RESPONSIBLE FOR IDENTIFYING, FURNISHING, INSTALLING, AND MAINTAINING THE NECESSARY EQUIPMENT NEEDED TO CAPTURE STORMWATER RUNOFF AND GROUNDWATER FROM THE WORK AREA DURING THE CLEANUP (REMEDIATION WATER) AND ROUTE THAT WATER TO THE FACILITY 77 TANKS, IF NECESSARY, FOR BATCHING AND MONITORING FOR FLUORIDE CONTENT BY THE COMPANY.
2. THIS TEMPORARY STORMWATER CONTROL PLAN SHOWS GRADING FOR THE U-DITCH AND NORTHERN PERIMETER DITCH THAT WILL OCCUR AT THE BEGINNING OF THE FIRST SEASON OF CONSTRUCTION, AS SHOWN ON DWG C-01.
3. THE WEST LANDFILL PUMP STATION AND FORCE MAIN WILL NOT BE COMPLETED UNTIL THE END OF THE FIRST SEASON OF CONSTRUCTION AND ARE NOT SHOWN.
4. ANTICIPATED FLOW RATES FROM THE WEST LANDFILL AREA MODELED FOR MAY-SEPTEMBER RANGE FROM 3.94 CFS FOR AT 2-YEAR RECURRENCE INTERVAL STORM TO 5.29 CFS FOR A 100-YEAR RECURRENCE INTERVAL STORM. SELLER IS RESPONSIBLE FOR DETERMINING THE SIZING OF THE SUMP, TEMPORARY STORAGE, PUMPING, AND TEMPORARY CONVEYANCE NEEDED TO CAPTURE AND CONVEY THE WATER TO THE FACILITY 77 TANKS.

**WEST LANDFILL TEMPORARY STORMWATER CONTROL SEQUENCE:**

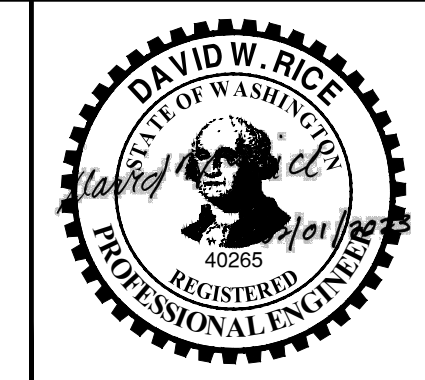
1. INSTALL TESC BMPS IN ACCORDANCE WITH DRAWING T-01.
2. INSTALL A SEDIMENT TRAP OUTLET IN THE DITCH WHERE SHOWN, PER DETAIL T-04.
3. CONSTRUCT THE TEMPORARY PERIMETER DITCH ALONG NORTH EDGE OF THE WEST LANDFILL TO CAPTURE STORMWATER RUNOFF AND REMEDIATION WATER FROM THE WEST LANDFILL.
4. INSTALL ADDITIONAL BMPS AFTER CONSTRUCTION OF THE PERIMETER DITCH INCLUDING TEMPORARY CHECK DAMS.
5. INSTALL A TEMPORARY SUMP, PUMP(S), AND PIPING NEEDED TO COLLECT WATER AT THE DOWNSTREAM END OF THE PERIMETER DITCH ALONG THE NORTH EDGE OF THE WEST LANDFILL AND CONVEY WATER TO THE STORAGE TANKS AT FACILITY 77.
6. BEGIN LANDFILL CONSTRUCTION ONCE THE TEMPORARY STORMWATER CONTROL SYSTEM HAS BEEN INSTALLED.

**LEGEND:**

- SD EXISTING STORM DRAIN LINE
- PROPOSED CONTOURS
- TEMPORARY SUMP AND PUMP
- FLOW DIRECTION
- PERIMETER DITCH

- NOTES:**
1. SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
  2. HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
  3. VERTICAL DATUM: NAVD88.

0730-PL-018 (TWC).dwg TSC-01 Jan 31, 2023 10:48pm chevett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: E. VOGES  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: D. RICE  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

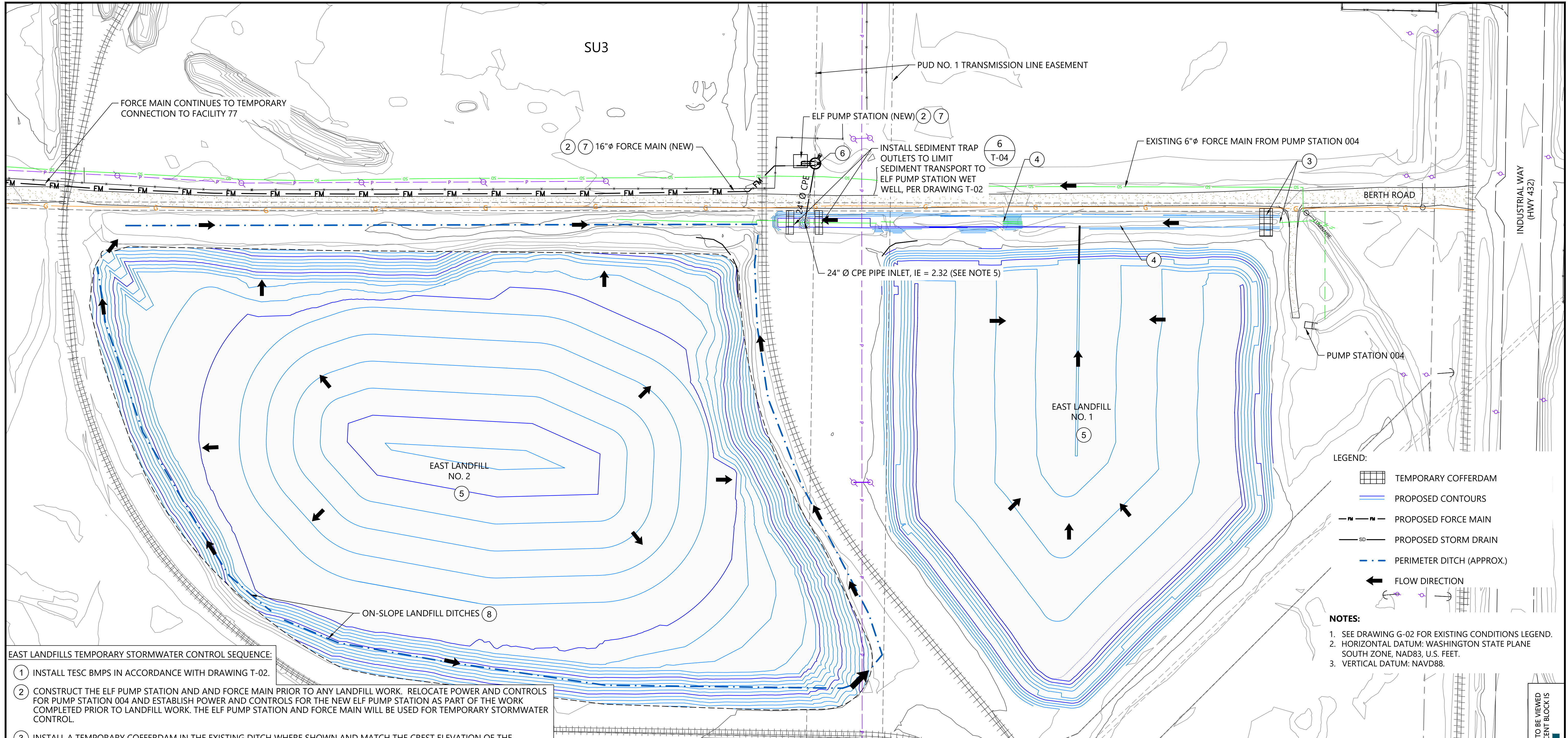
**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**  
**TEMPORARY STORMWATER CONTROL PLAN - WEST**

**TSC-01**  
 SHEET # 11 of 114

**ISSUED FOR CONSTRUCTION**

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY





**EAST LANDFILLS TEMPORARY STORMWATER CONTROL SEQUENCE:**

1. INSTALL TESC BMPS IN ACCORDANCE WITH DRAWING T-02.
2. CONSTRUCT THE ELF PUMP STATION AND AND FORCE MAIN PRIOR TO ANY LANDFILL WORK. RELOCATE POWER AND CONTROLS FOR PUMP STATION 004 AND ESTABLISH POWER AND CONTROLS FOR THE NEW ELF PUMP STATION AS PART OF THE WORK COMPLETED PRIOR TO LANDFILL WORK. THE ELF PUMP STATION AND FORCE MAIN WILL BE USED FOR TEMPORARY STORMWATER CONTROL.
3. INSTALL A TEMPORARY COFFERDAM IN THE EXISTING DITCH WHERE SHOWN AND MATCH THE CREST ELEVATION OF THE COFFERDAM TO THE BERTH ROAD ELEVATION OR INSTALL A PLUG IN THE CULVERT UNDER THE ACCESS ROAD TO PUMP STATION 004 TO PREVENT REMEDIATION WATER FROM DRAINING TO THE PUMP STATION 004.
4. RESHAPE EXISTING DITCH TO DRAIN STORMWATER RUNOFF AND REMEDIATION WATER FROM THE EAST LANDFILLS TO THE TEMPORARY ELF PUMP STATION PIPE INLET INSTALLED IN THE DITCH NEAR THE SOUTHWEST CORNER OF EAST LANDFILL NO. 1. THE TEMPORARY ELF PUMP STATION PIPE INLET SHALL BE 24-INCH HDPE PIPE WITH AN INLET IE OF 5.0 FEET. REMOVE EXISTING EARTHEN EMBANKMENTS AND ASSOCIATED CULVERTS AT TIME OF RESHAPING AS CALLED OUT ON DRAWING D-04.
5. BEGIN EXCAVATION AND LANDFILL CONSTRUCTION ONCE TEMPORARY STORMWATER CONTROL SYSTEM HAS BEEN INSTALLED.
6. CONVEY ALL REMEDIATION WATER TO THE ELF PUMP STATION.
7. USE THE ELF PUMP STATION AND FORCE MAIN TO DELIVER ALL REMEDIATION WATER FROM THE EAST LANDFILLS TO FACILITY 77.
8. CONSTRUCT ON-SLOPE LANDFILL DITCHES TO CONVEY WATER TO EXISTING DITCHES AND ULTIMATELY ELF PUMP STATION BETWEEN CONSTRUCTION SEASONS.
9. INSTALL BMPS FOR BETWEEN CONSTRUCTION SEASONS IN ACCORDANCE WITH DRAWINGS C-21 AND C-22.

**EAST LANDFILL TEMPORARY STORMWATER CONTROL PLAN NOTES**

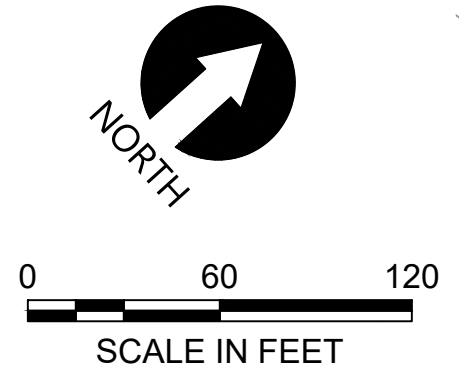
1. THIS TEMPORARY STORMWATER CONTROL PLAN IS CONCEPTUAL AND IS PROVIDED FOR THE SELLER'S CONVENIENCE. THE SELLER WILL BE RESPONSIBLE FOR IDENTIFYING, FURNISHING, INSTALLING, AND MAINTAINING THE NECESSARY PIPE, STRUCTURES, COFFERDAMS, AND OTHER EQUIPMENT NEEDED TO CAPTURE ALL STORMWATER RUNOFF AND GROUNDWATER FROM THE WORK AREA DURING THE CLEANUP (REMEDIATION WATER) AND ROUTE THAT WATER TO THE FACILITY 77 TANKS FOR BATCHING AND MONITORING FOR FLUORIDE CONTENT BY THE COMPANY.
2. THIS TEMPORARY STORMWATER CONTROL PLAN IS BASED ON THE SITE CONDITIONS THAT WILL EXIST FOLLOWING DEMOLITION SHOWN ON DRAWING D-04.
3. THE EAST LANDFILL (ELF) PUMP STATION AND FORCE MAIN WILL BE INSTALLED AND AVAILABLE FOR USE FOR TEMPORARY CONTROL OF REMEDIATION WATER DURING THE CLEANUP AND BETWEEN CONSTRUCTION SEASONS.
4. THIS TEMPORARY STORMWATER CONTROL PLAN SHOWS GRADING FOR YEAR 1, PER DRAWINGS C-21 AND C-22, TO INDICATE DRAINAGE FEATURES THAT WILL NEED TO BE IN PLACE DURING CONSTRUCTION AND BETWEEN CONSTRUCTION SEASONS.
5. THE 24-INCH CPE CULVERT THAT WILL BE USED TO CONVEY THE REMEDIATION WATER TO THE ELF PUMP STATION UNDER THE BERTH ROAD WILL BE EXTENDED TO MANHOLES THAT WILL COLLECT DRAINAGE FROM THE EAST LANDFILLS AS PART OF THE PERMANENT DRAINAGE SYSTEM TO BE INSTALLED DURING FINAL GRADING OF THE EAST LANDFILLS, PER DRAWING DR-05.

**LEGEND:**

- TEMPORARY COFFERDAM
- PROPOSED CONTOURS
- PROPOSED FORCE MAIN
- PROPOSED STORM DRAIN
- PERIMETER DITCH (APPROX.)
- FLOW DIRECTION

**NOTES:**

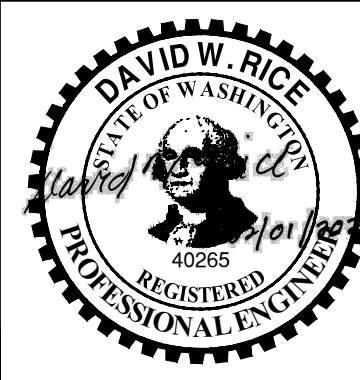
1. SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
2. HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
3. VERTICAL DATUM: NAVD88.



PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY

**ISSUED FOR CONSTRUCTION**

0730-PL-018 (TWC).dwg TSC-02 Jan 31, 2023 10:48pm chevwet



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: E. VOGES  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: D. RICE  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

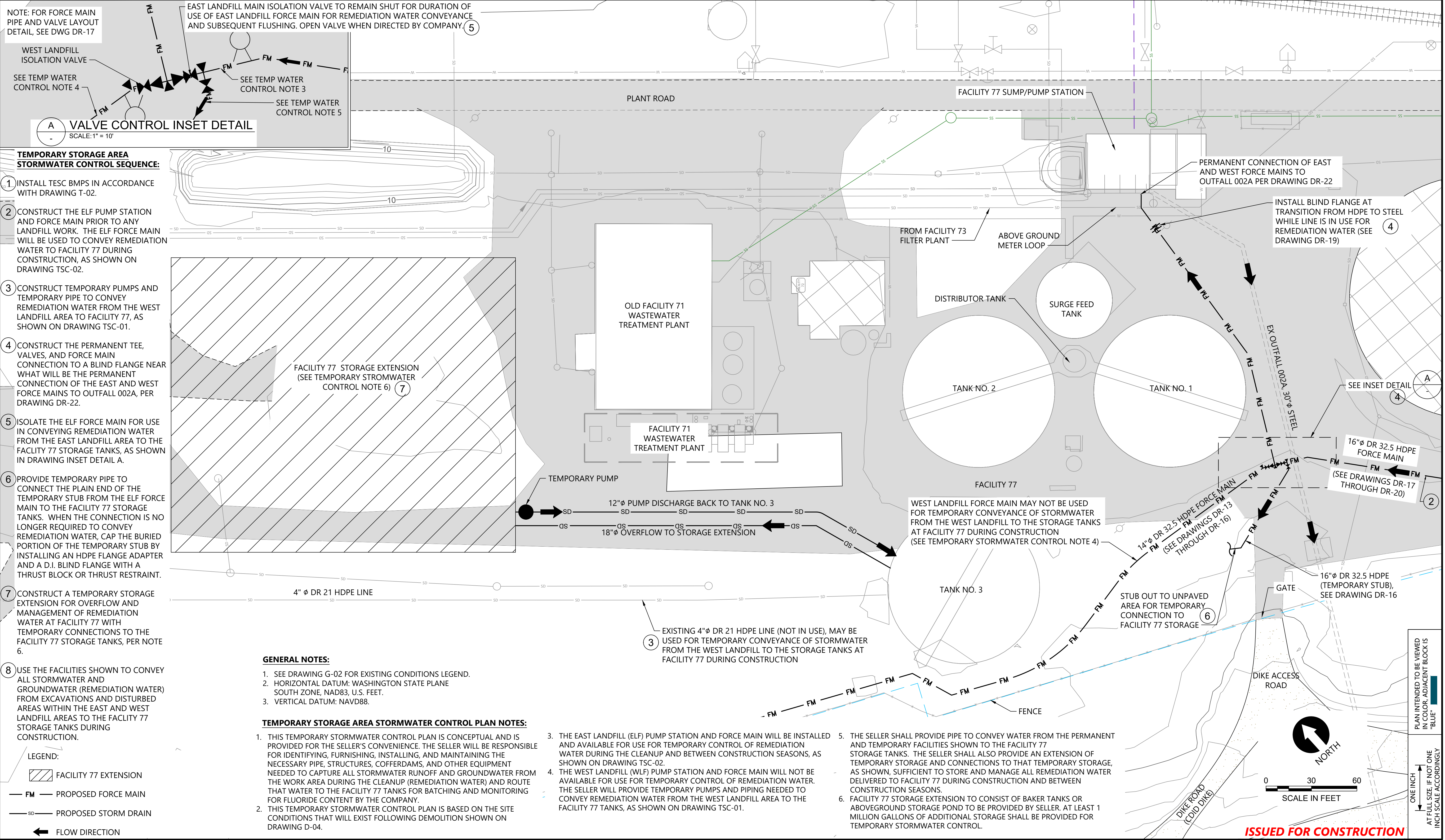
**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**

**TEMPORARY STORMWATER CONTROL PLAN - EAST**

**TSC-02**

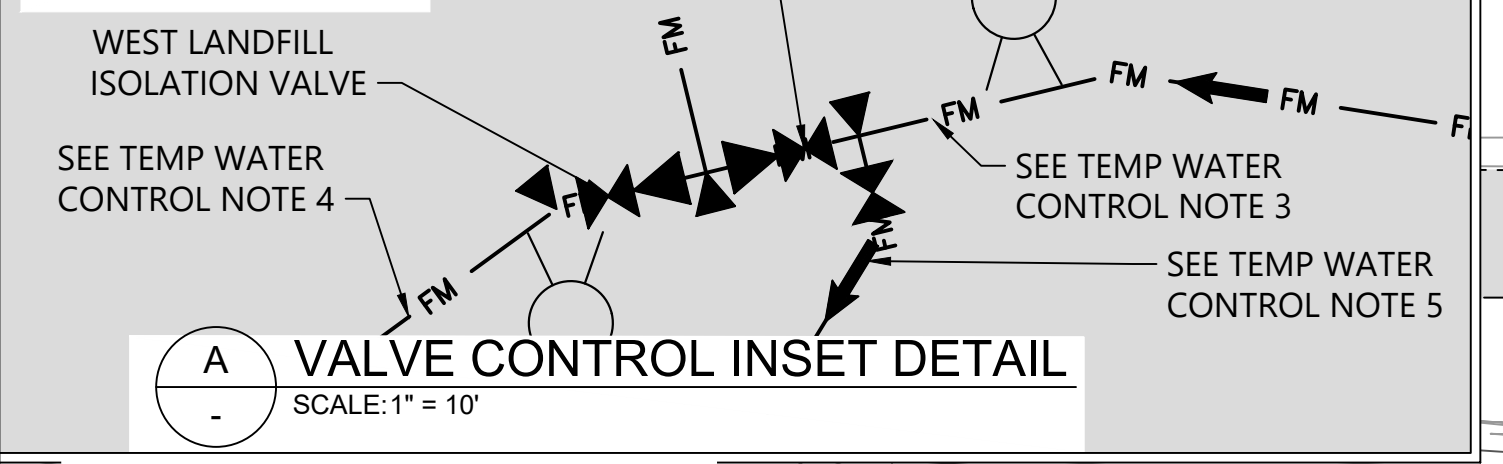
SHEET # 12 OF 114





NOTE: FOR FORCE MAIN PIPE AND VALVE LAYOUT DETAIL, SEE DWG DR-17

EAST LANDFILL MAIN ISOLATION VALVE TO REMAIN SHUT FOR DURATION OF USE OF EAST LANDFILL FORCE MAIN FOR REMEDIATION WATER CONVEYANCE AND SUBSEQUENT FLUSHING. OPEN VALVE WHEN DIRECTED BY COMPANY. (5)



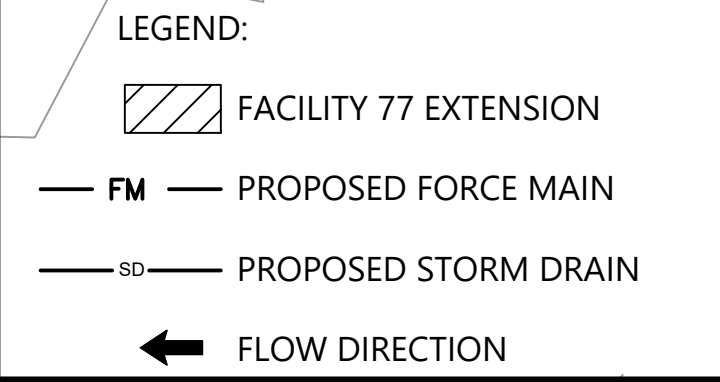
**TEMPORARY STORAGE AREA STORMWATER CONTROL SEQUENCE:**

1. INSTALL TESC BMPS IN ACCORDANCE WITH DRAWING T-02.
2. CONSTRUCT THE ELF PUMP STATION AND FORCE MAIN PRIOR TO ANY LANDFILL WORK. THE ELF FORCE MAIN WILL BE USED TO CONVEY REMEDIATION WATER TO FACILITY 77 DURING CONSTRUCTION, AS SHOWN ON DRAWING TSC-02.
3. CONSTRUCT TEMPORARY PUMPS AND TEMPORARY PIPE TO CONVEY REMEDIATION WATER FROM THE WEST LANDFILL AREA TO FACILITY 77, AS SHOWN ON DRAWING TSC-01.
4. CONSTRUCT THE PERMANENT TEE, VALVES, AND FORCE MAIN CONNECTION TO A BLIND FLANGE NEAR WHAT WILL BE THE PERMANENT CONNECTION OF THE EAST AND WEST FORCE MAINS TO OUTFALL 002A, PER DRAWING DR-22.
5. ISOLATE THE ELF FORCE MAIN FOR USE IN CONVEYING REMEDIATION WATER FROM THE EAST LANDFILL AREA TO THE FACILITY 77 STORAGE TANKS, AS SHOWN IN DRAWING INSET DETAIL A.
6. PROVIDE TEMPORARY PIPE TO CONNECT THE PLAIN END OF THE TEMPORARY STUB FROM THE ELF FORCE MAIN TO THE FACILITY 77 STORAGE TANKS. WHEN THE CONNECTION IS NO LONGER REQUIRED TO CONVEY REMEDIATION WATER, CAP THE BURIED PORTION OF THE TEMPORARY STUB BY INSTALLING AN HDPE FLANGE ADAPTER AND A D.I. BLIND FLANGE WITH A THRUST BLOCK OR THRUST RESTRAINT.
7. CONSTRUCT A TEMPORARY STORAGE EXTENSION FOR OVERFLOW AND MANAGEMENT OF REMEDIATION WATER AT FACILITY 77 WITH TEMPORARY CONNECTIONS TO THE FACILITY 77 STORAGE TANKS, PER NOTE 6.
8. USE THE FACILITIES SHOWN TO CONVEY ALL STORMWATER AND GROUNDWATER (REMEDIATION WATER) FROM EXCAVATIONS AND DISTURBED AREAS WITHIN THE EAST AND WEST LANDFILL AREAS TO THE FACILITY 77 STORAGE TANKS DURING CONSTRUCTION.

- GENERAL NOTES:**
1. SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
  2. HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
  3. VERTICAL DATUM: NAVD88.

**TEMPORARY STORAGE AREA STORMWATER CONTROL PLAN NOTES:**

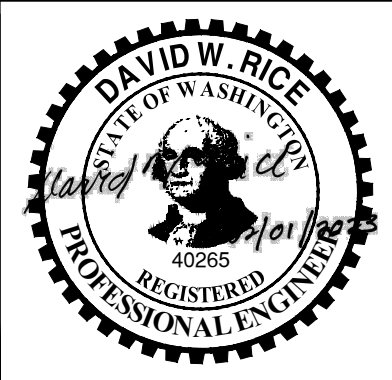
1. THIS TEMPORARY STORMWATER CONTROL PLAN IS CONCEPTUAL AND IS PROVIDED FOR THE SELLER'S CONVENIENCE. THE SELLER WILL BE RESPONSIBLE FOR IDENTIFYING, FURNISHING, INSTALLING, AND MAINTAINING THE NECESSARY PIPE, STRUCTURES, COFFERDAMS, AND OTHER EQUIPMENT NEEDED TO CAPTURE ALL STORMWATER RUNOFF AND GROUNDWATER FROM THE WORK AREA DURING THE CLEANUP (REMEDIATION WATER) AND ROUTE THAT WATER TO THE FACILITY 77 TANKS FOR BATCHING AND MONITORING FOR FLUORIDE CONTENT BY THE COMPANY.
2. THIS TEMPORARY STORMWATER CONTROL PLAN IS BASED ON THE SITE CONDITIONS THAT WILL EXIST FOLLOWING DEMOLITION SHOWN ON DRAWING D-04.
3. THE EAST LANDFILL (ELF) PUMP STATION AND FORCE MAIN WILL BE INSTALLED AND AVAILABLE FOR USE FOR TEMPORARY CONTROL OF REMEDIATION WATER DURING THE CLEANUP AND BETWEEN CONSTRUCTION SEASONS, AS SHOWN ON DRAWING TSC-02.
4. THE WEST LANDFILL (WLF) PUMP STATION AND FORCE MAIN WILL NOT BE AVAILABLE FOR USE FOR TEMPORARY CONTROL OF REMEDIATION WATER. THE SELLER WILL PROVIDE TEMPORARY PUMPS AND PIPING NEEDED TO CONVEY REMEDIATION WATER FROM THE WEST LANDFILL AREA TO THE FACILITY 77 TANKS, AS SHOWN ON DRAWING TSC-01.
5. THE SELLER SHALL PROVIDE PIPE TO CONVEY WATER FROM THE PERMANENT AND TEMPORARY FACILITIES SHOWN TO THE FACILITY 77 STORAGE TANKS. THE SELLER SHALL ALSO PROVIDE AN EXTENSION OF TEMPORARY STORAGE AND CONNECTIONS TO THAT TEMPORARY STORAGE, AS SHOWN, SUFFICIENT TO STORE AND MANAGE ALL REMEDIATION WATER DELIVERED TO FACILITY 77 DURING CONSTRUCTION AND BETWEEN CONSTRUCTION SEASONS.
6. FACILITY 77 STORAGE EXTENSION TO CONSIST OF BAKER TANKS OR ABOVEGROUND STORAGE POND TO BE PROVIDED BY SELLER. AT LEAST 1 MILLION GALLONS OF ADDITIONAL STORAGE SHALL BE PROVIDED FOR TEMPORARY STORMWATER CONTROL.



PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY

**ISSUED FOR CONSTRUCTION**

0730-PL-018 (TWC).dwg TSC-03



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: E. VOGES  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: D. RICE  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

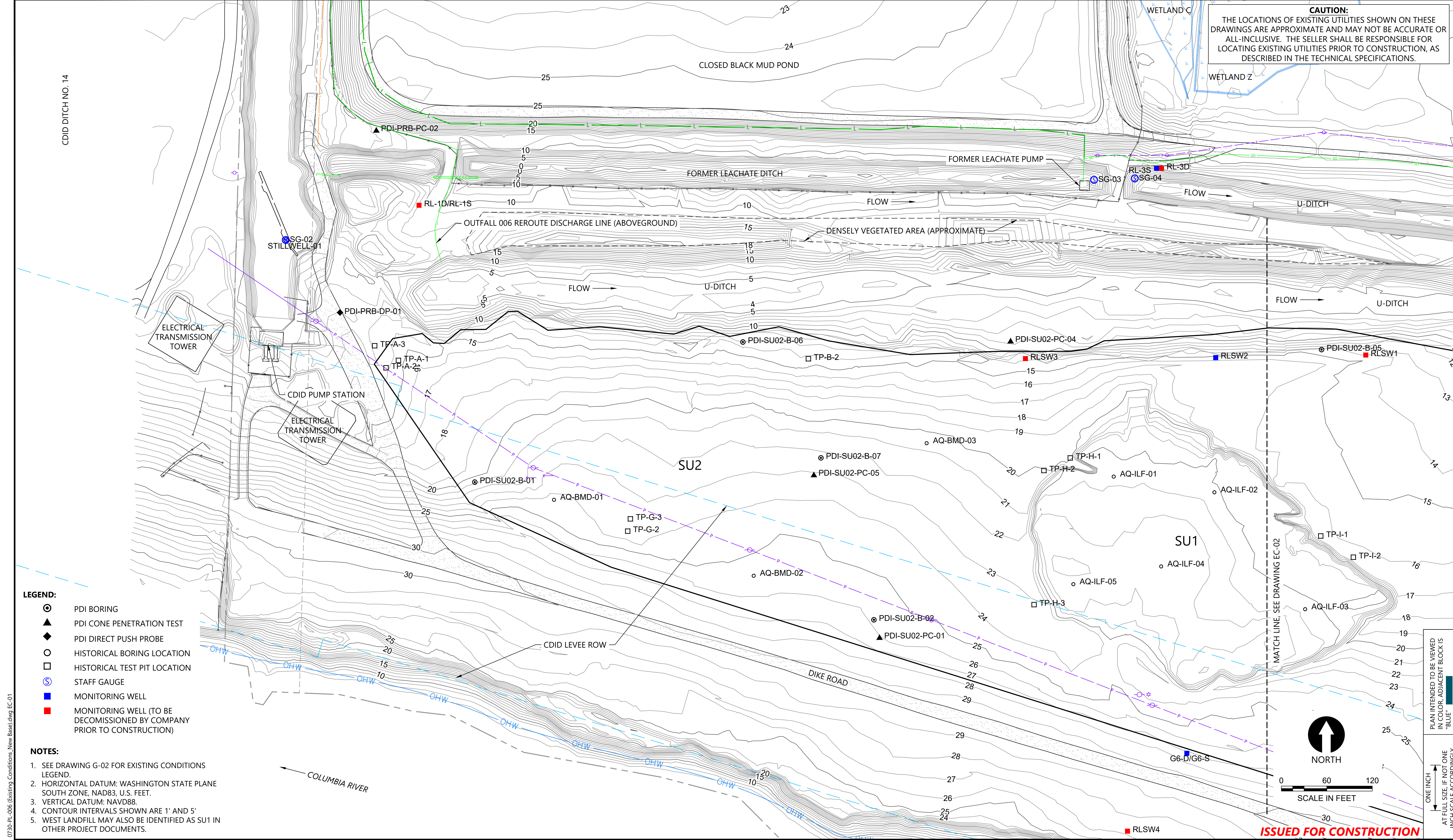
**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**

**TEMPORARY STORMWATER CONTROL PLAN - STORAGE AREA**

**TSC-03**

SHEET # 13 OF 114





- LEGEND:**
- ⊙ PDI BORING
  - ▲ PDI CONE PENETRATION TEST
  - ◆ PDI DIRECT PUSH PROBE
  - HISTORICAL BORING LOCATION
  - HISTORICAL TEST PIT LOCATION
  - Ⓢ STAFF GAUGE
  - MONITORING WELL
  - MONITORING WELL (TO BE DECOMMISSIONED BY COMPANY PRIOR TO CONSTRUCTION)

- NOTES:**
1. SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
  2. HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
  3. VERTICAL DATUM: NAVD88.
  4. CONTOUR INTERVALS SHOWN ARE 1' AND 5'.
  5. WEST LANDFILL MAY ALSO BE IDENTIFIED AS SU1 IN OTHER PROJECT DOCUMENTS.

**ISSUED FOR CONSTRUCTION**

0730-PL-006 Existing Conditions New Base.dwg EC-01 Jan 31, 2023 10:49pm chewett



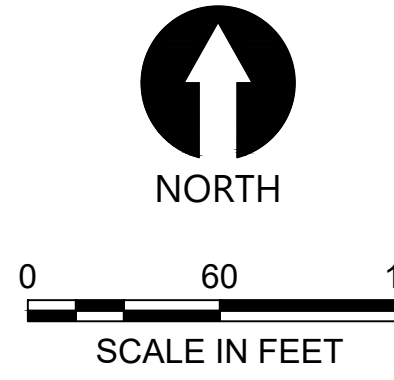
REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**  
**EXISTING CONDITIONS - SU2 AND WEST LANDFILL (WEST)**

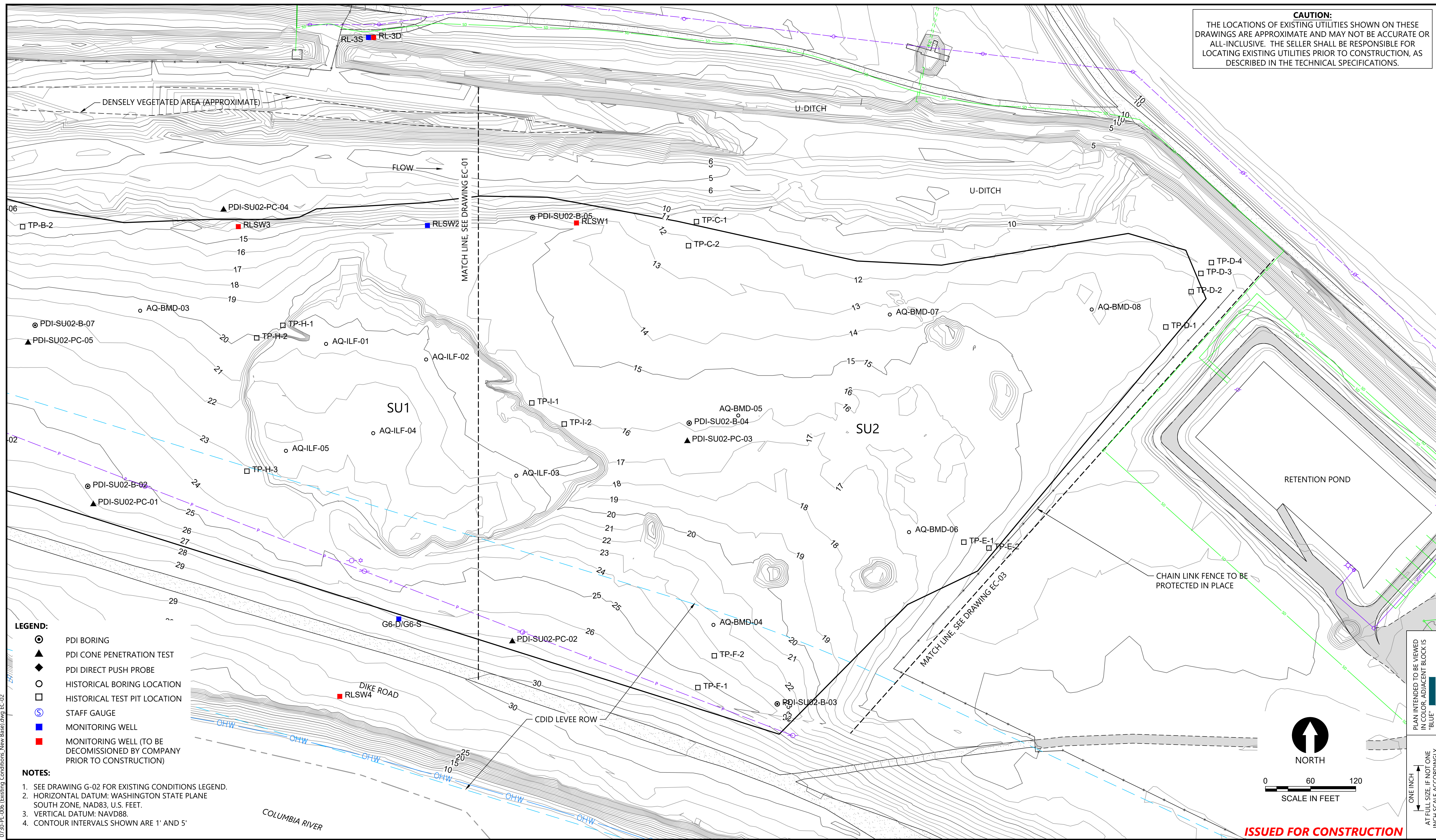
**EC-01**  
 SHEET # 14 OF 114

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY





**CAUTION:**  
 THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND MAY NOT BE ACCURATE OR ALL-INCLUSIVE. THE SELLER SHALL BE RESPONSIBLE FOR LOCATING EXISTING UTILITIES PRIOR TO CONSTRUCTION, AS DESCRIBED IN THE TECHNICAL SPECIFICATIONS.



- LEGEND:**
- PDI BORING
  - ▲ PDI CONE PENETRATION TEST
  - ◆ PDI DIRECT PUSH PROBE
  - HISTORICAL BORING LOCATION
  - HISTORICAL TEST PIT LOCATION
  - Ⓢ STAFF GAUGE
  - MONITORING WELL
  - MONITORING WELL (TO BE DECOMMISSIONED BY COMPANY PRIOR TO CONSTRUCTION)

- NOTES:**
1. SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
  2. HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
  3. VERTICAL DATUM: NAVD88.
  4. CONTOUR INTERVALS SHOWN ARE 1' AND 5'

**ISSUED FOR CONSTRUCTION**

0730-PL-006 Existing Conditions New Base.dwg EC-02 Jan 31, 2023 10:49pm chevett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

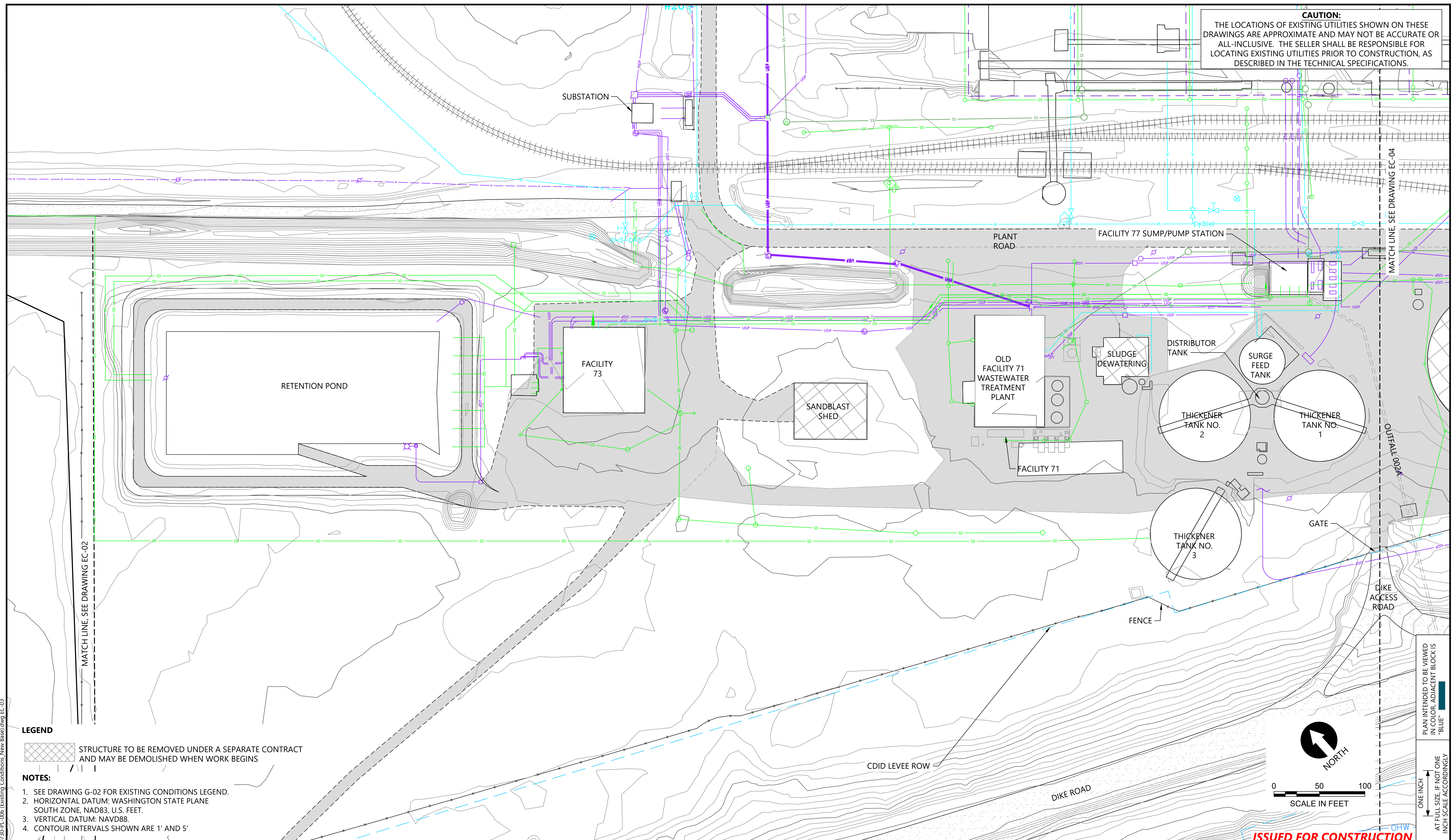
**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**  
**EXISTING CONDITIONS - SU2 AND WEST LANDFILL (EAST)**

**EC-02**  
 SHEET # 15 OF 114

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY

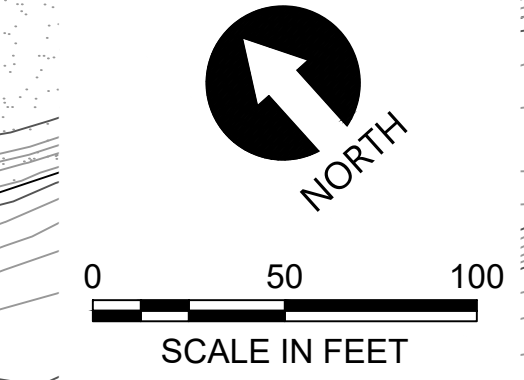


**CAUTION:**  
THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND MAY NOT BE ACCURATE OR ALL-INCLUSIVE. THE SELLER SHALL BE RESPONSIBLE FOR LOCATING EXISTING UTILITIES PRIOR TO CONSTRUCTION, AS DESCRIBED IN THE TECHNICAL SPECIFICATIONS.



**LEGEND**  
 STRUCTURE TO BE REMOVED UNDER A SEPARATE CONTRACT AND MAY BE DEMOLISHED WHEN WORK BEGINS

- NOTES:**
1. SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
  2. HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
  3. VERTICAL DATUM: NAVD88.
  4. CONTOUR INTERVALS SHOWN ARE 1' AND 5'



PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE"  
 ONE INCH AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY

**ISSUED FOR CONSTRUCTION**

0730-PL-006 Existing Conditions - New Base.dwg EC-03 Jan 31, 2023 10:49pm chewett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**

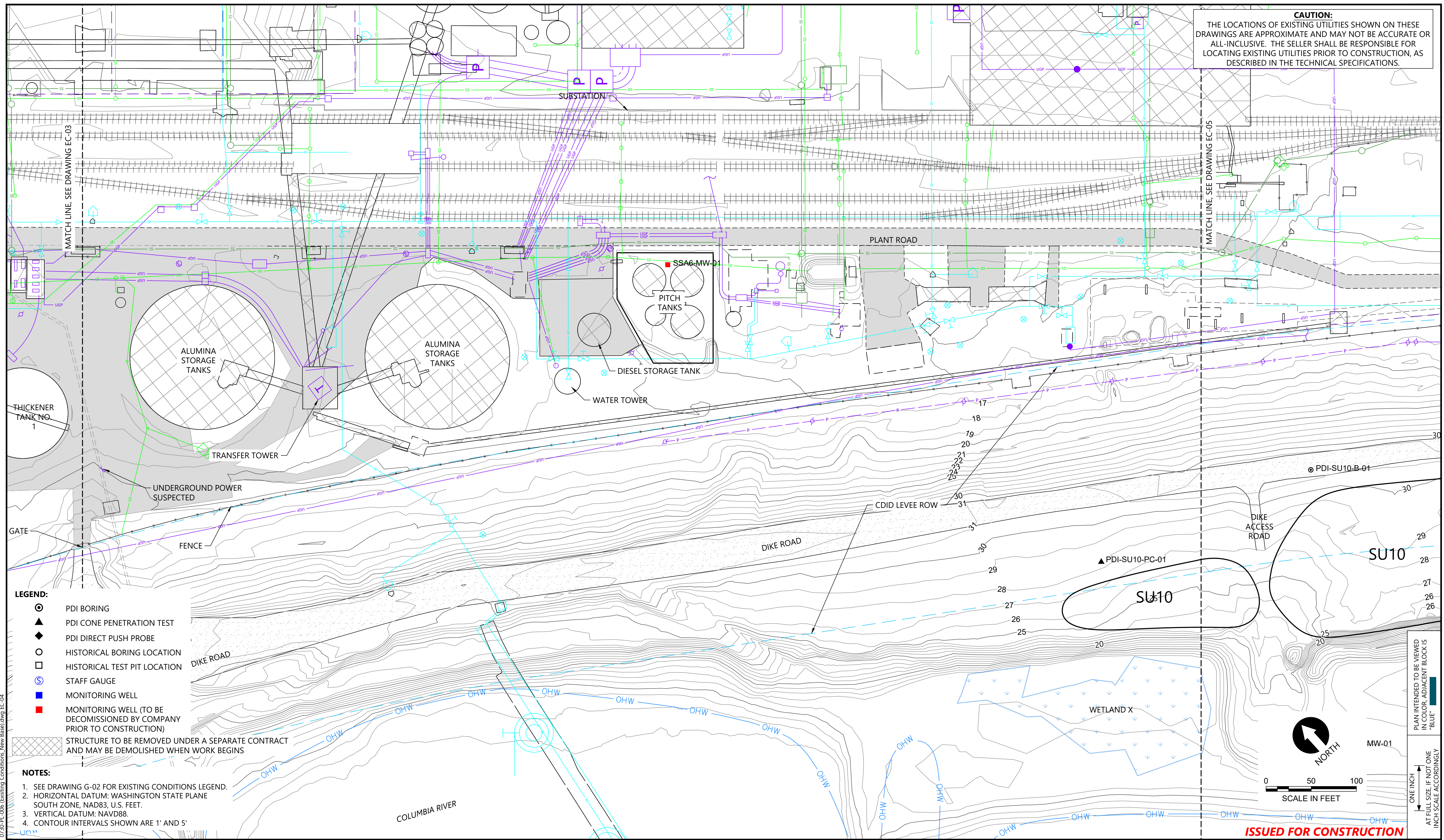
**EXISTING CONDITIONS - TREATMENT FACILITIES (1 OF 2)**

**EC-03**

SHEET # 16 OF 114

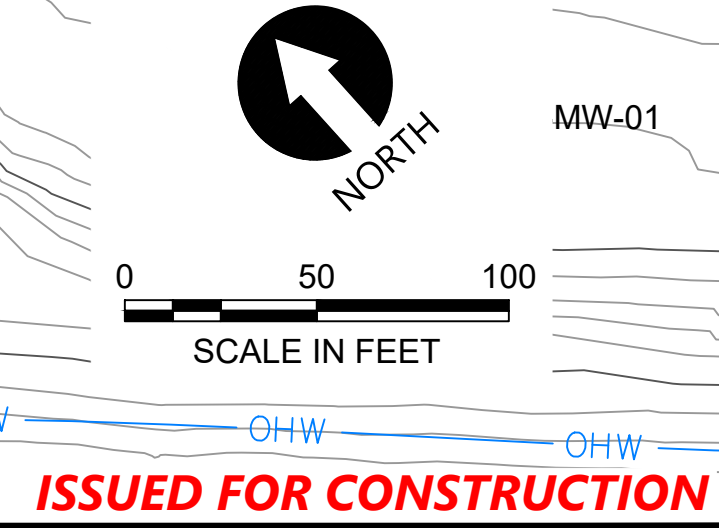


**CAUTION:**  
THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND MAY NOT BE ACCURATE OR ALL-INCLUSIVE. THE SELLER SHALL BE RESPONSIBLE FOR LOCATING EXISTING UTILITIES PRIOR TO CONSTRUCTION, AS DESCRIBED IN THE TECHNICAL SPECIFICATIONS.



- LEGEND:**
- PDI BORING
  - ▲ PDI CONE PENETRATION TEST
  - ◆ PDI DIRECT PUSH PROBE
  - HISTORICAL BORING LOCATION
  - HISTORICAL TEST PIT LOCATION
  - ⊙ STAFF GAUGE
  - ⊙ MONITORING WELL
  - MONITORING WELL (TO BE DECOMMISSIONED BY COMPANY PRIOR TO CONSTRUCTION)
  - ▨ STRUCTURE TO BE REMOVED UNDER A SEPARATE CONTRACT AND MAY BE DEMOLISHED WHEN WORK BEGINS

- NOTES:**
1. SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
  2. HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
  3. VERTICAL DATUM: NAVD88.
  4. CONTOUR INTERVALS SHOWN ARE 1' AND 5'



PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY

0730-PL-006 Existing Conditions - New Base.dwg EC-04 Jan 31, 2023 10:49pm chevett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

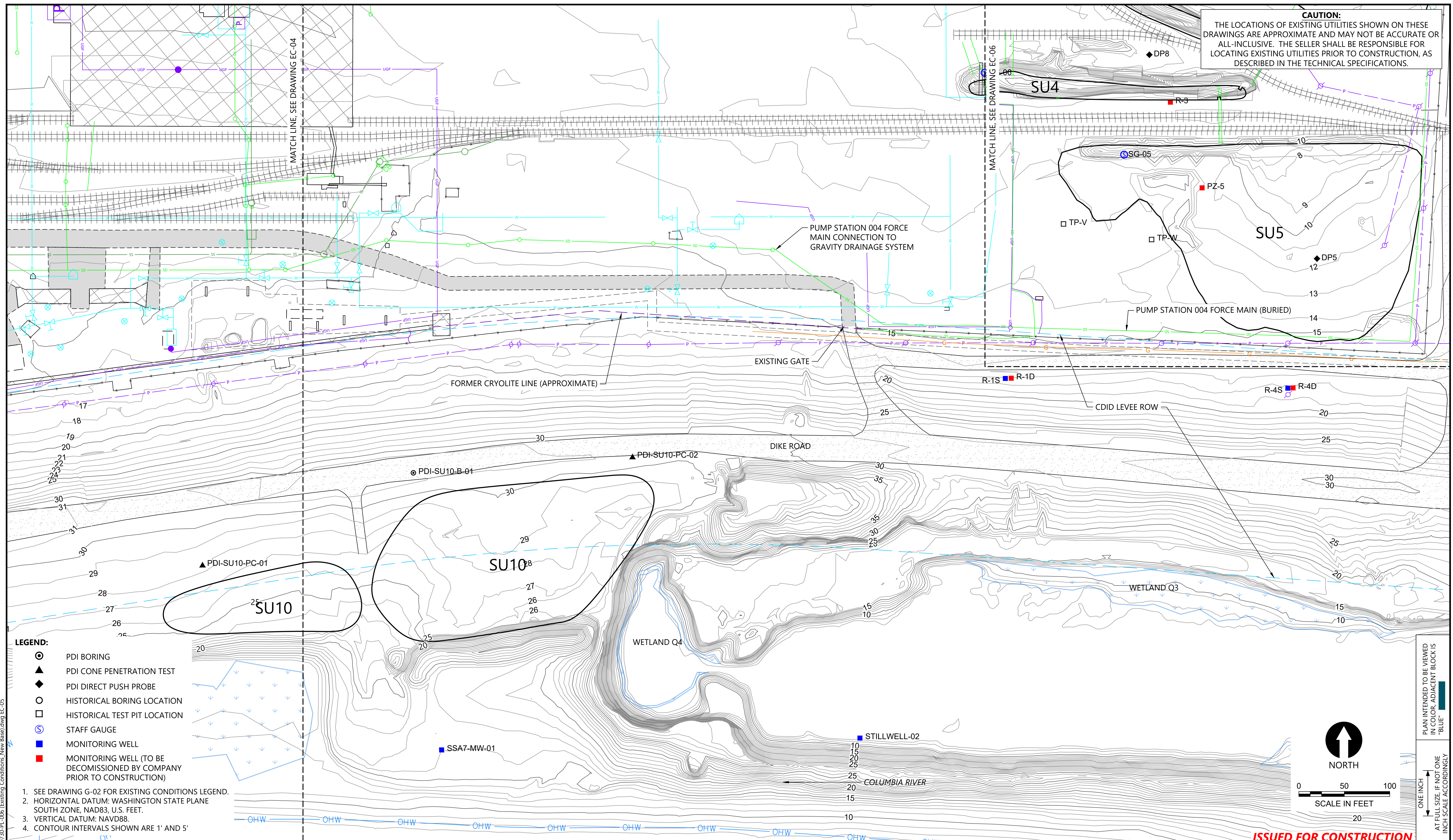
**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**  
**EXISTING CONDITIONS - TREATMENT FACILITIES (2 OF 2)**

**EC-04**  
 SHEET # 17 OF 114

**ISSUED FOR CONSTRUCTION**

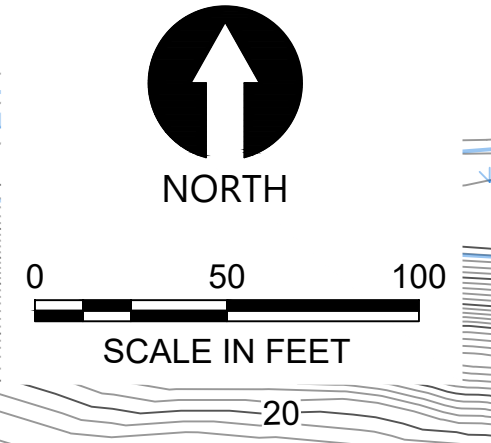


**CAUTION:**  
THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND MAY NOT BE ACCURATE OR ALL-INCLUSIVE. THE SELLER SHALL BE RESPONSIBLE FOR LOCATING EXISTING UTILITIES PRIOR TO CONSTRUCTION, AS DESCRIBED IN THE TECHNICAL SPECIFICATIONS.



- LEGEND:**
- ⊙ PDI BORING
  - ◆ PDI CONE PENETRATION TEST
  - ▲ PDI DIRECT PUSH PROBE
  - HISTORICAL BORING LOCATION
  - HISTORICAL TEST PIT LOCATION
  - ⊕ STAFF GAUGE
  - MONITORING WELL
  - MONITORING WELL (TO BE DECOMMISSIONED BY COMPANY PRIOR TO CONSTRUCTION)

1. SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
2. HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
3. VERTICAL DATUM: NAVD88.
4. CONTOUR INTERVALS SHOWN ARE 1' AND 5'



PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY

**ISSUED FOR CONSTRUCTION**

0730-PL-006 (Existing Conditions) New Base.dwg EC-05 Jan 31, 2023 10:49pm chewett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**

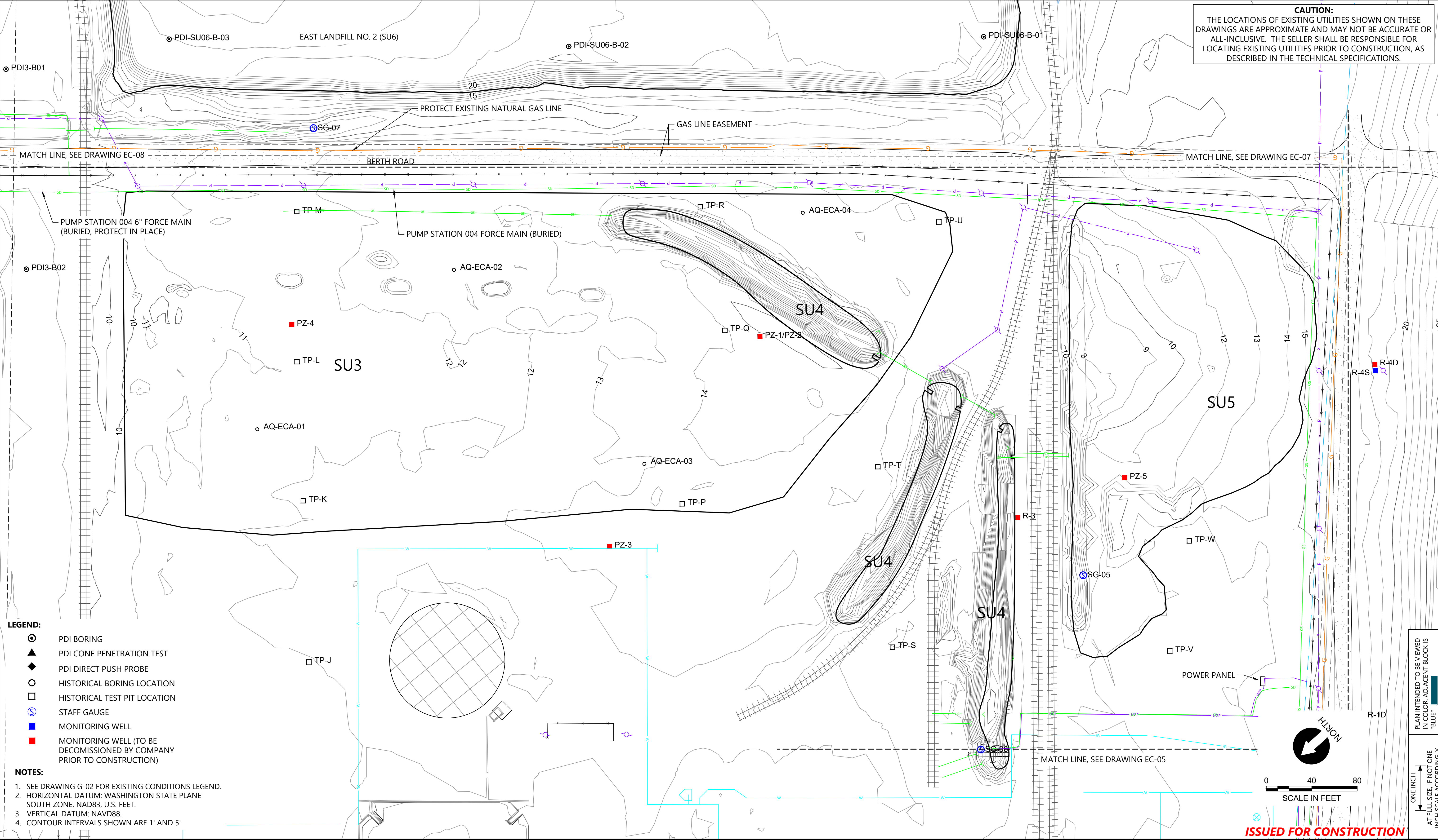
**EXISTING CONDITIONS - SU10**

**EC-05**

SHEET # 18 OF 114



**CAUTION:**  
THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND MAY NOT BE ACCURATE OR ALL-INCLUSIVE. THE SELLER SHALL BE RESPONSIBLE FOR LOCATING EXISTING UTILITIES PRIOR TO CONSTRUCTION, AS DESCRIBED IN THE TECHNICAL SPECIFICATIONS.

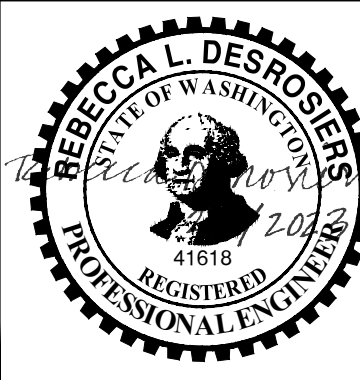


- LEGEND:**
- ⊙ PDI BORING
  - ▲ PDI CONE PENETRATION TEST
  - ◆ PDI DIRECT PUSH PROBE
  - HISTORICAL BORING LOCATION
  - HISTORICAL TEST PIT LOCATION
  - ⊕ STAFF GAUGE
  - MONITORING WELL
  - MONITORING WELL (TO BE DECOMMISSIONED BY COMPANY PRIOR TO CONSTRUCTION)
- NOTES:**
1. SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
  2. HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
  3. VERTICAL DATUM: NAVD88.
  4. CONTOUR INTERVALS SHOWN ARE 1' AND 5'

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY

**ISSUED FOR CONSTRUCTION**

0730-PL-006 Existing Conditions New Base.dwg EC-06 Jan 31, 2023 10:49pm chewett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**

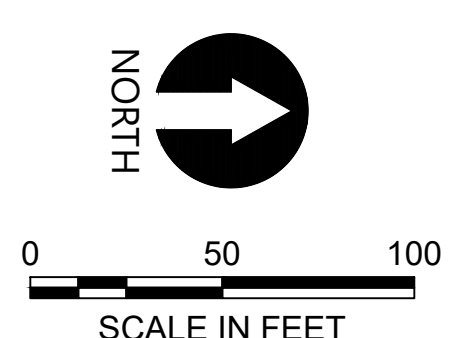
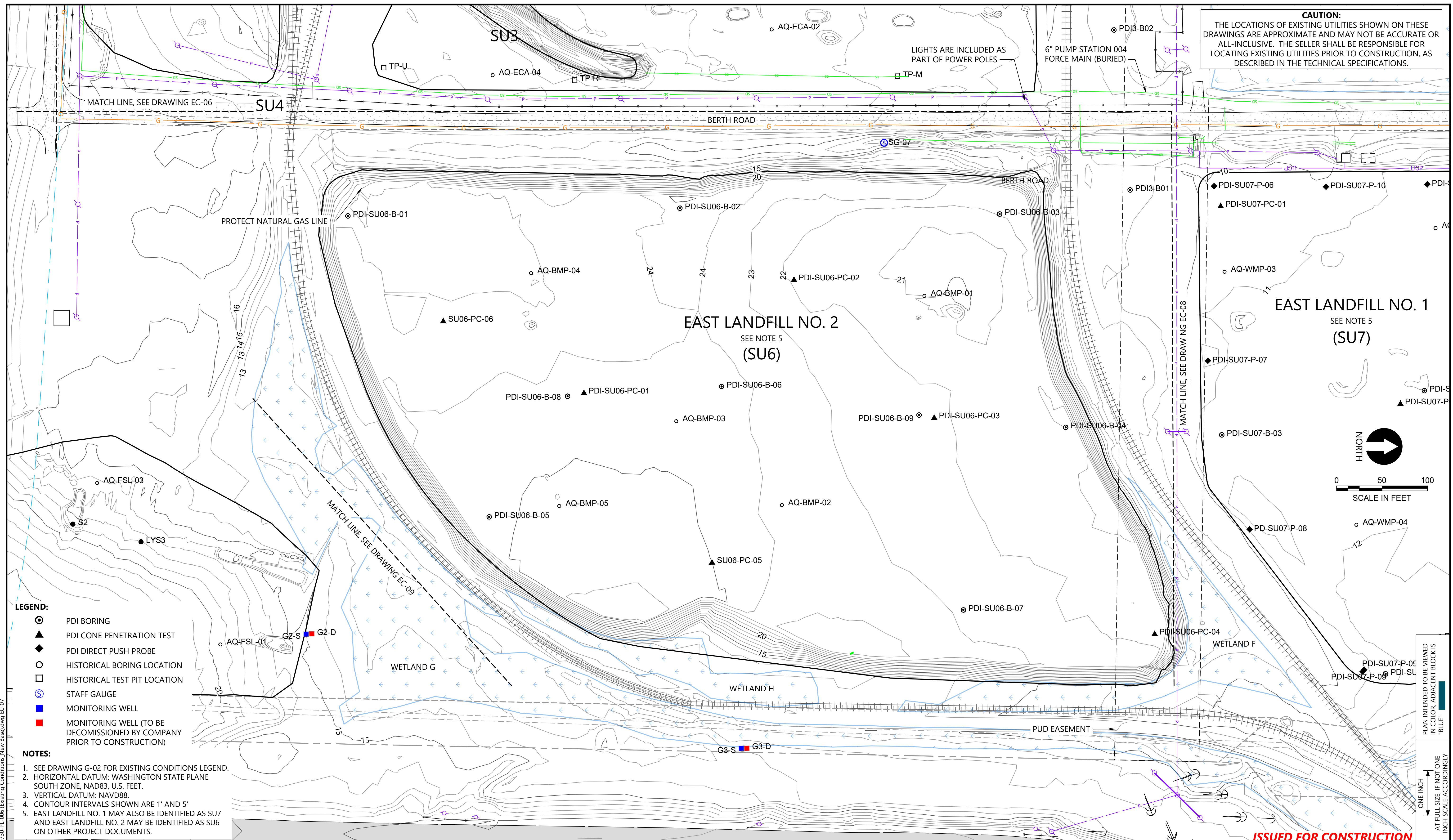
**EXISTING CONDITIONS - SU3, SU4, AND SU5**

**EC-06**

SHEET # 19 OF 114



**CAUTION:**  
THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND MAY NOT BE ACCURATE OR ALL-INCLUSIVE. THE SELLER SHALL BE RESPONSIBLE FOR LOCATING EXISTING UTILITIES PRIOR TO CONSTRUCTION, AS DESCRIBED IN THE TECHNICAL SPECIFICATIONS.



- LEGEND:**
- PDI BORING
  - ▲ PDI CONE PENETRATION TEST
  - ◆ PDI DIRECT PUSH PROBE
  - HISTORICAL BORING LOCATION
  - HISTORICAL TEST PIT LOCATION
  - ⊙ STAFF GAUGE
  - MONITORING WELL
  - MONITORING WELL (TO BE DECOMMISSIONED BY COMPANY PRIOR TO CONSTRUCTION)

- NOTES:**
1. SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
  2. HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
  3. VERTICAL DATUM: NAVD88.
  4. CONTOUR INTERVALS SHOWN ARE 1' AND 5'.
  5. EAST LANDFILL NO. 1 MAY ALSO BE IDENTIFIED AS SU7 AND EAST LANDFILL NO. 2 MAY BE IDENTIFIED AS SU6 ON OTHER PROJECT DOCUMENTS.

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY.

**ISSUED FOR CONSTRUCTION**

0720-PL-006 Existing Conditions New Base.dwg EC-07 Jan 31, 2023 10:49pm chevett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

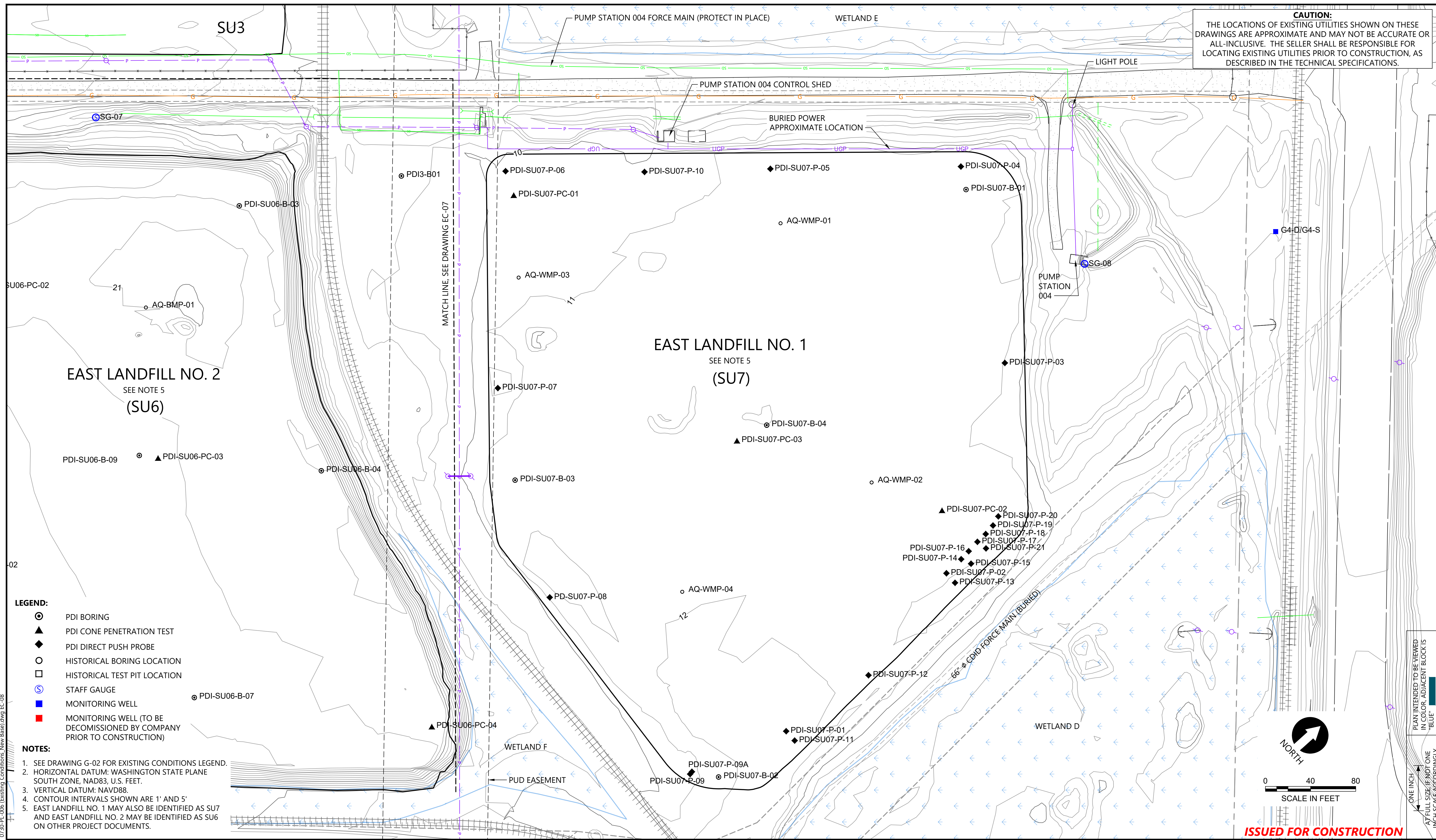
DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**  
**EXISTING CONDITIONS - EAST LANDFILL NO. 2**

**EC-07**  
 SHEET # 20 OF 114

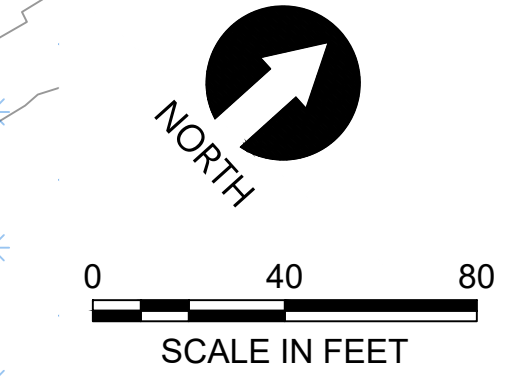


**CAUTION:**  
THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND MAY NOT BE ACCURATE OR ALL-INCLUSIVE. THE SELLER SHALL BE RESPONSIBLE FOR LOCATING EXISTING UTILITIES PRIOR TO CONSTRUCTION, AS DESCRIBED IN THE TECHNICAL SPECIFICATIONS.



- LEGEND:**
- PDI BORING
  - ▲ PDI CONE PENETRATION TEST
  - ◆ PDI DIRECT PUSH PROBE
  - HISTORICAL BORING LOCATION
  - HISTORICAL TEST PIT LOCATION
  - ⊙ STAFF GAUGE
  - MONITORING WELL
  - MONITORING WELL (TO BE DECOMMISSIONED BY COMPANY PRIOR TO CONSTRUCTION)

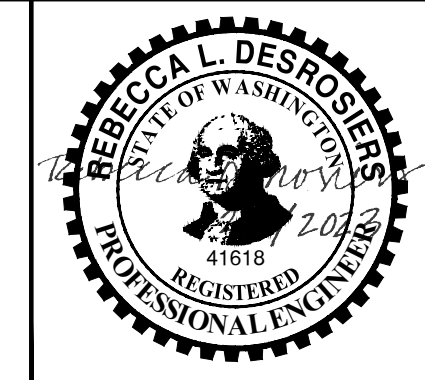
- NOTES:**
1. SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
  2. HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
  3. VERTICAL DATUM: NAVD88.
  4. CONTOUR INTERVALS SHOWN ARE 1' AND 5'.
  5. EAST LANDFILL NO. 1 MAY ALSO BE IDENTIFIED AS SU7 AND EAST LANDFILL NO. 2 MAY BE IDENTIFIED AS SU6 ON OTHER PROJECT DOCUMENTS.



**ISSUED FOR CONSTRUCTION**

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY.

0730-PL-006 Existing Conditions, New Base, Aug EC-08  
 Jan 31, 2023 10:49pm chevett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

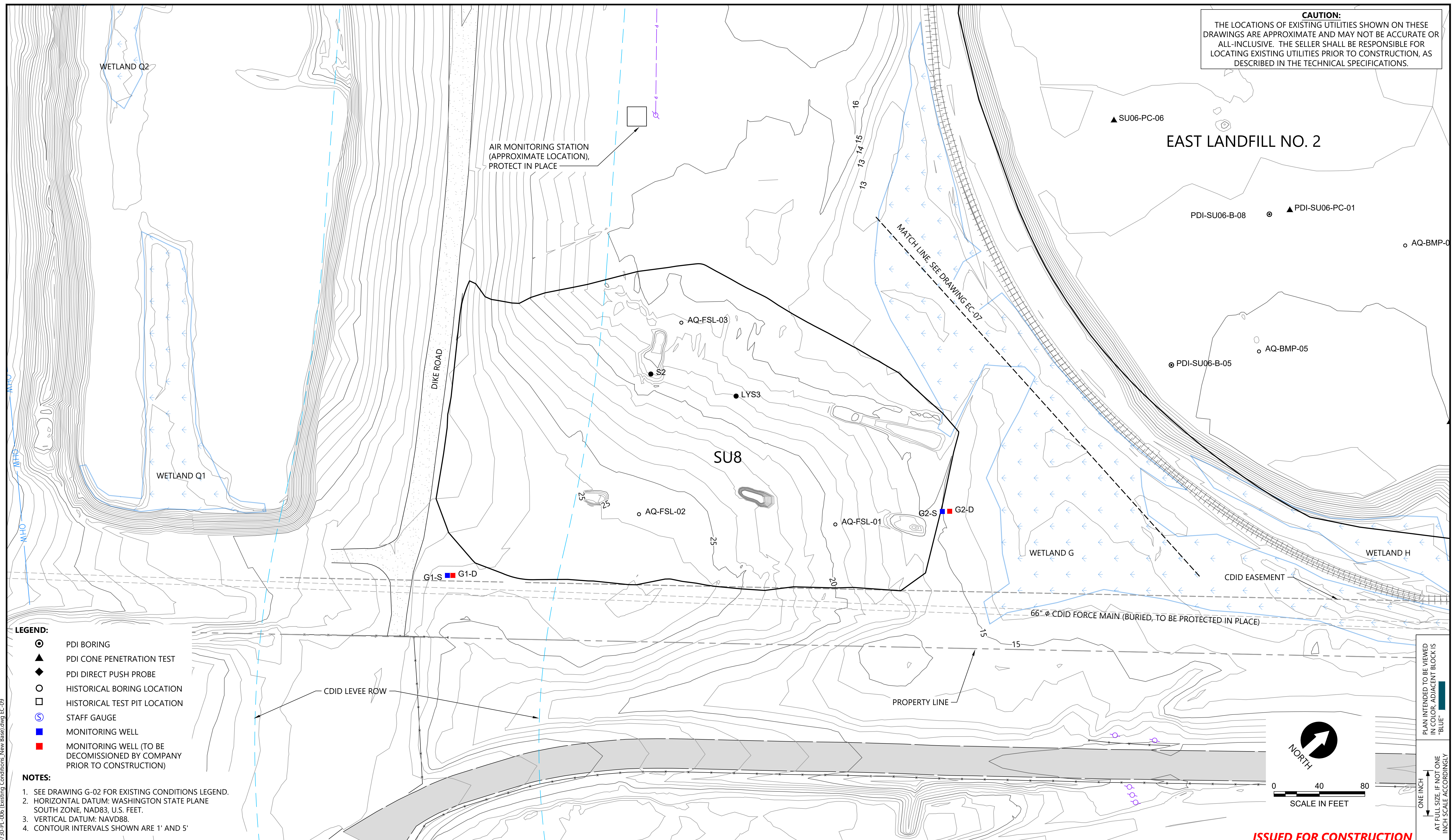
DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**  
**EXISTING CONDITIONS - EAST LANDFILL NO. 1**

**EC-08**  
 SHEET # 21 OF 114

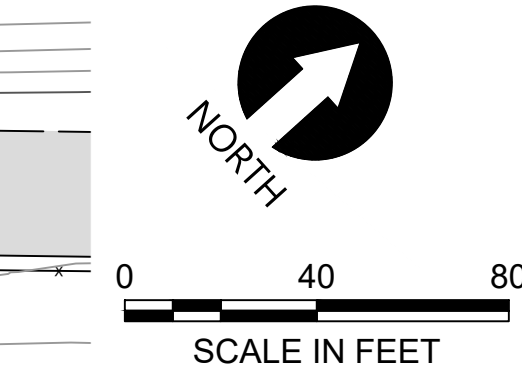


**CAUTION:**  
THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND MAY NOT BE ACCURATE OR ALL-INCLUSIVE. THE SELLER SHALL BE RESPONSIBLE FOR LOCATING EXISTING UTILITIES PRIOR TO CONSTRUCTION, AS DESCRIBED IN THE TECHNICAL SPECIFICATIONS.



- LEGEND:**
- ⊙ PDI BORING
  - ▲ PDI CONE PENETRATION TEST
  - ◆ PDI DIRECT PUSH PROBE
  - HISTORICAL BORING LOCATION
  - HISTORICAL TEST PIT LOCATION
  - ⊙ STAFF GAUGE
  - MONITORING WELL
  - MONITORING WELL (TO BE DECOMMISSIONED BY COMPANY PRIOR TO CONSTRUCTION)

- NOTES:**
1. SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
  2. HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
  3. VERTICAL DATUM: NAVD88.
  4. CONTOUR INTERVALS SHOWN ARE 1' AND 5'



PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY

**ISSUED FOR CONSTRUCTION**

0730-PL-006 Existing Conditions New Base.dwg EC-09 Jan 31, 2023 10:49pm chewett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**  
**EXISTING CONDITIONS - SU8**

**EC-09**  
 SHEET # 22 OF 114

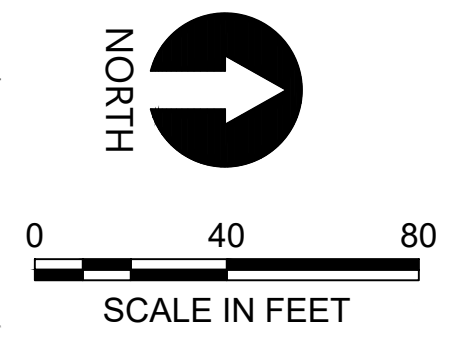


**CAUTION:**  
THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND MAY NOT BE ACCURATE OR ALL-INCLUSIVE. THE SELLER SHALL BE RESPONSIBLE FOR LOCATING EXISTING UTILITIES PRIOR TO CONSTRUCTION, AS DESCRIBED IN THE TECHNICAL SPECIFICATIONS.



- LEGEND:**
- PDI BORING
  - ▲ PDI CONE PENETRATION TEST
  - ◆ PDI DIRECT PUSH PROBE
  - HISTORICAL BORING LOCATION
  - HISTORICAL TEST PIT LOCATION
  - ⊙ STAFF GAUGE
  - MONITORING WELL
  - MONITORING WELL (TO BE DECOMMISSIONED BY COMPANY PRIOR TO CONSTRUCTION)

- NOTES:**
1. SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
  2. HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
  3. VERTICAL DATUM: NAVD88.
  4. CONTOUR INTERVALS SHOWN ARE 1' AND 5'



PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY

**ISSUED FOR CONSTRUCTION**

0730-PL-006 Existing Conditions New Base.dwg EC-10 Jan 31, 2023 10:49pm chevett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**

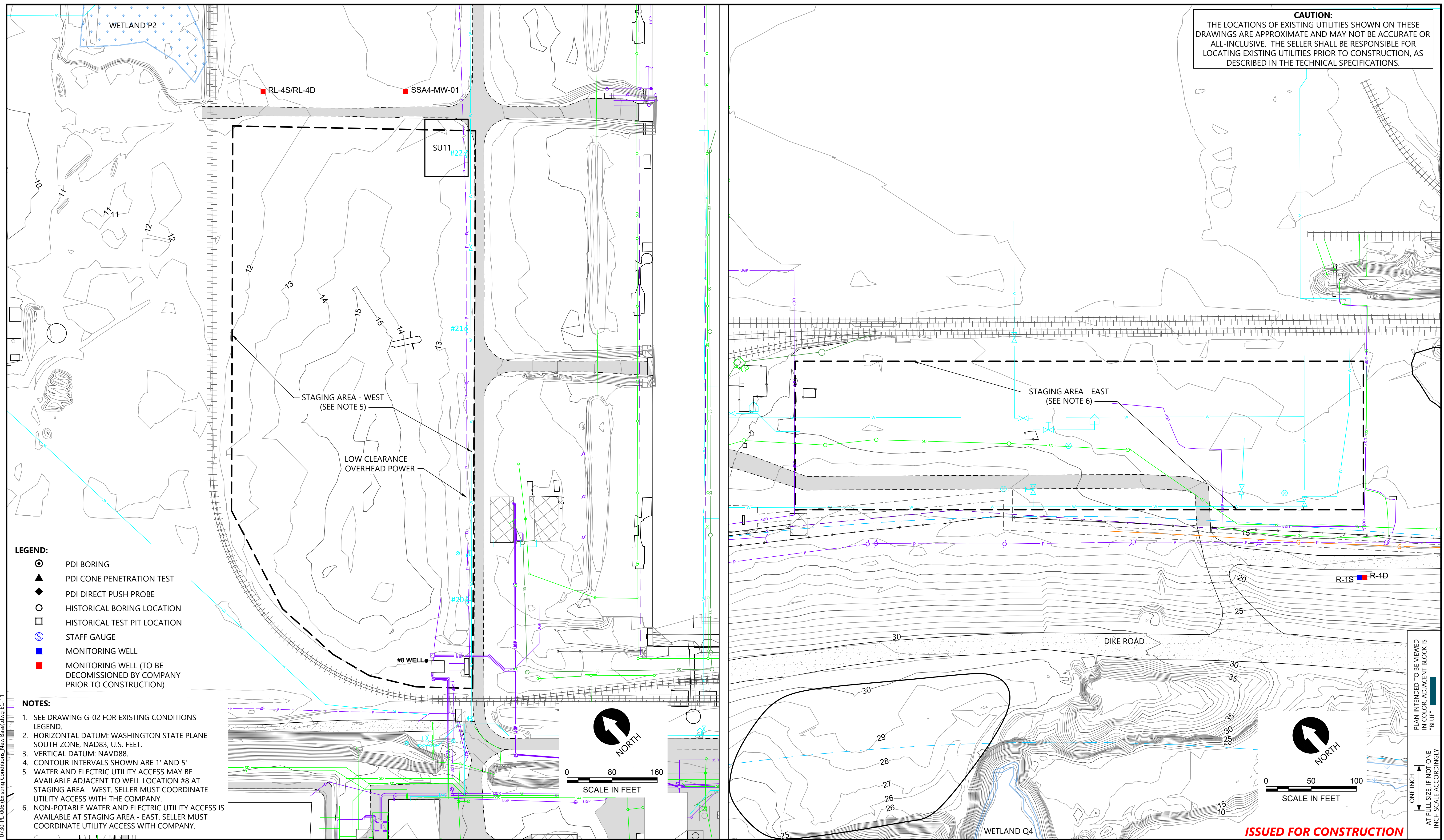
**EXISTING CONDITIONS - PRB AREA**

**EC-10**

SHEET # **23** OF 114

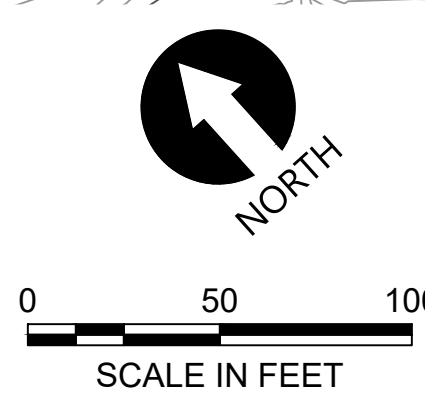
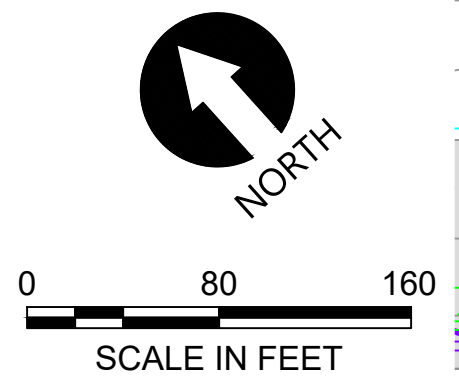


**CAUTION:**  
THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND MAY NOT BE ACCURATE OR ALL-INCLUSIVE. THE SELLER SHALL BE RESPONSIBLE FOR LOCATING EXISTING UTILITIES PRIOR TO CONSTRUCTION, AS DESCRIBED IN THE TECHNICAL SPECIFICATIONS.



- LEGEND:**
- ⊙ PDI BORING
  - ▲ PDI CONE PENETRATION TEST
  - ◆ PDI DIRECT PUSH PROBE
  - HISTORICAL BORING LOCATION
  - HISTORICAL TEST PIT LOCATION
  - Ⓢ STAFF GAUGE
  - MONITORING WELL
  - MONITORING WELL (TO BE DECOMMISSIONED BY COMPANY PRIOR TO CONSTRUCTION)

- NOTES:**
1. SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
  2. HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
  3. VERTICAL DATUM: NAVD88.
  4. CONTOUR INTERVALS SHOWN ARE 1' AND 5'.
  5. WATER AND ELECTRIC UTILITY ACCESS MAY BE AVAILABLE ADJACENT TO WELL LOCATION #8 AT STAGING AREA - WEST. SELLER MUST COORDINATE UTILITY ACCESS WITH THE COMPANY.
  6. NON-POTABLE WATER AND ELECTRIC UTILITY ACCESS IS AVAILABLE AT STAGING AREA - EAST. SELLER MUST COORDINATE UTILITY ACCESS WITH COMPANY.



PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY

**ISSUED FOR CONSTRUCTION**

0730-PL-006 Existing Conditions - New Base.dwg EC-11 Jan 31, 2023 10:49pm chevett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**  
**EXISTING CONDITIONS - WEST AND EAST STAGING AREAS**

**EC-11**  
 SHEET # 24 OF 114



**CAUTION:**  
THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND MAY NOT BE ACCURATE OR ALL INCLUSIVE. THE SELLER SHALL BE RESPONSIBLE FOR LOCATING EXISTING UTILITIES PRIOR TO CONSTRUCTION, AS DESCRIBED IN THE TECHNICAL SPECIFICATIONS

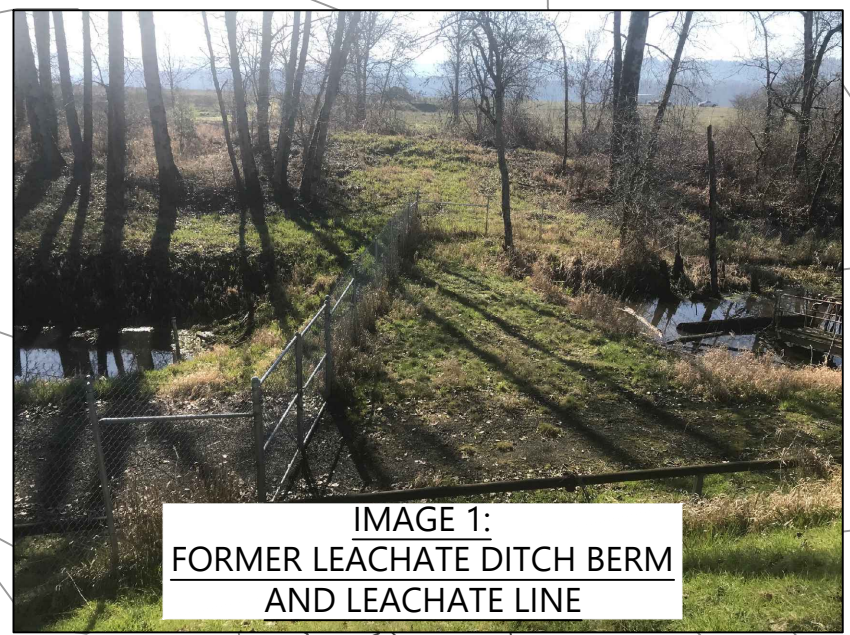
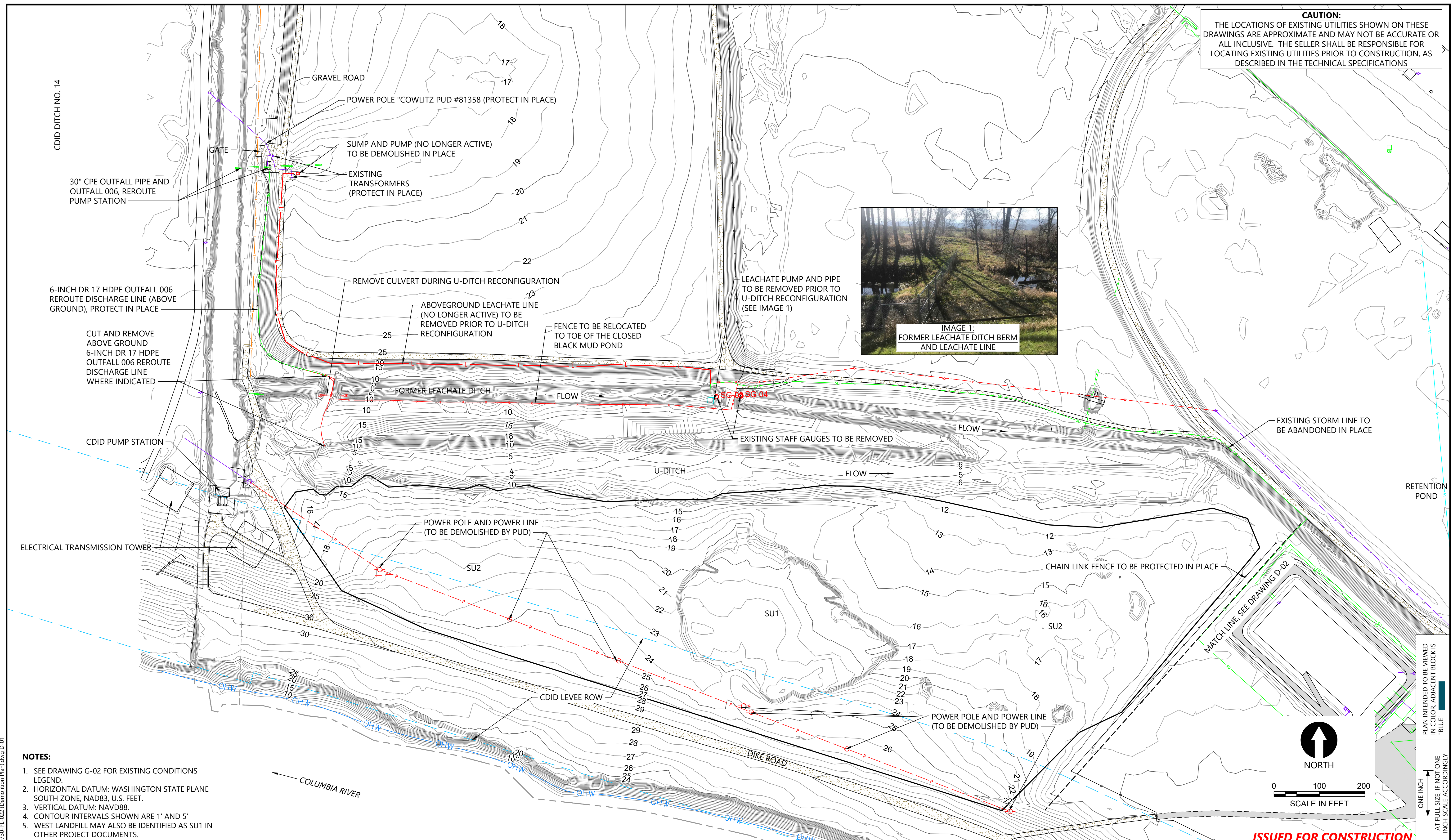
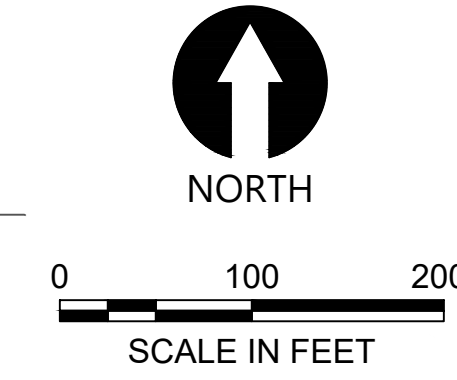


IMAGE 1:  
FORMER LEACHATE DITCH BERM  
AND LEACHATE LINE

- NOTES:**
- SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
  - HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
  - VERTICAL DATUM: NAVD88.
  - CONTOUR INTERVALS SHOWN ARE 1' AND 5'
  - WEST LANDFILL MAY ALSO BE IDENTIFIED AS SU1 IN OTHER PROJECT DOCUMENTS.



PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY

**ISSUED FOR CONSTRUCTION**

0730-PL-022 (Demolition Plan) dwg D-01  
Jan 31, 2023 10:50pm chewett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
DRAWN BY: C. HEWETT  
CHECKED BY: K. SKELLENGER  
APPROVED BY: R. DESROSIERS  
SCALE: AS NOTED  
DATE: FEBRUARY 2023

**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**

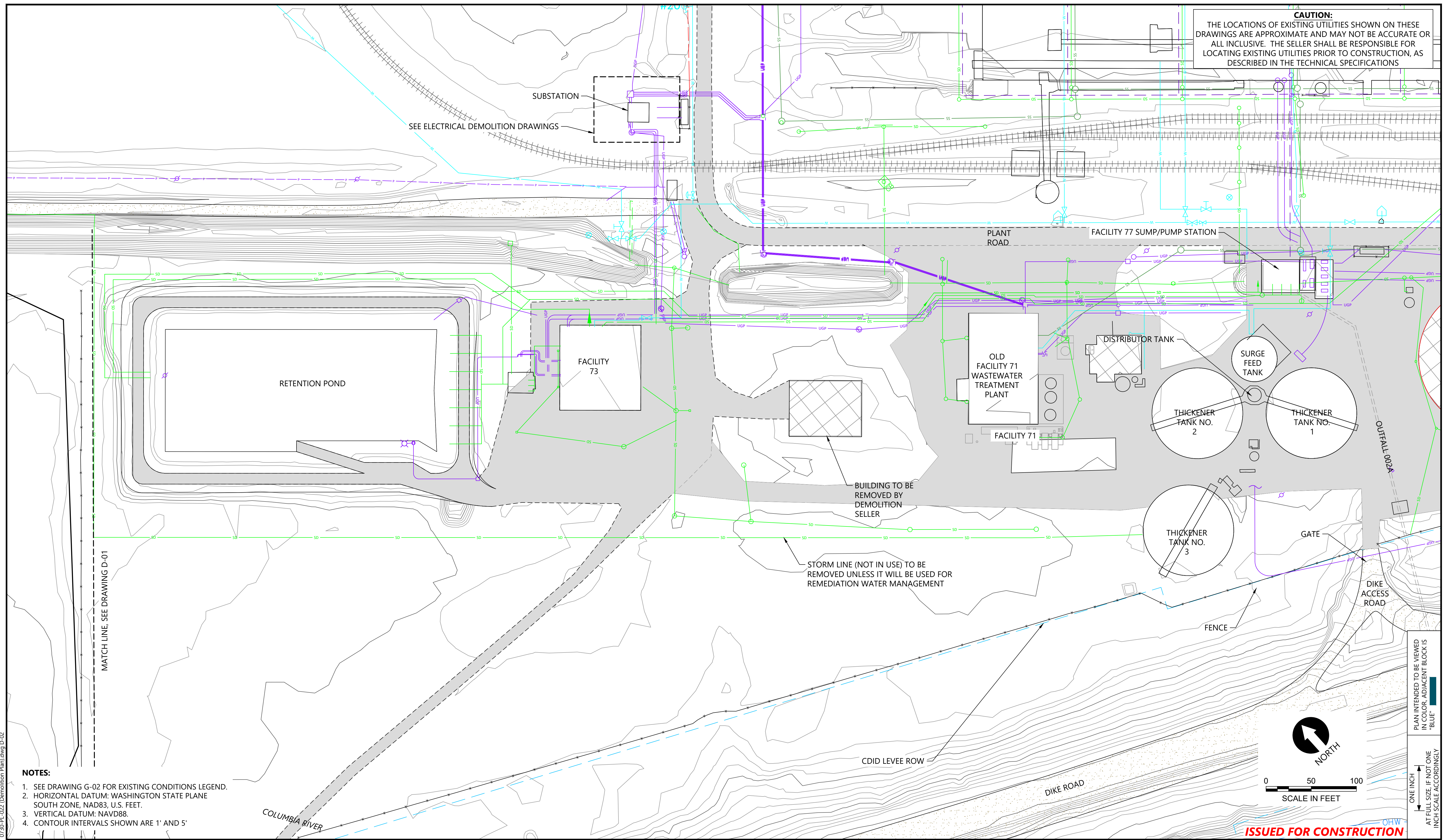
**DEMOLITION PLAN - SU2 AND WEST LANDFILL (WEST) AND PRB AREA**

**D-01**

SHEET # 25 OF 114

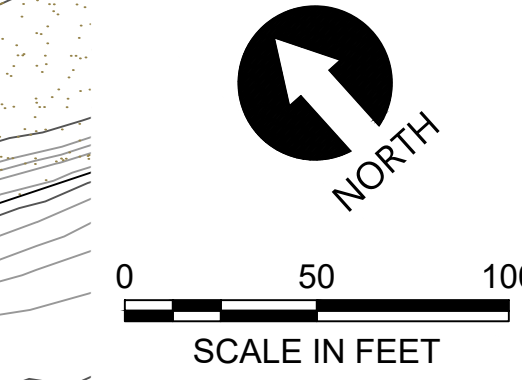


**CAUTION:**  
THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND MAY NOT BE ACCURATE OR ALL INCLUSIVE. THE SELLER SHALL BE RESPONSIBLE FOR LOCATING EXISTING UTILITIES PRIOR TO CONSTRUCTION, AS DESCRIBED IN THE TECHNICAL SPECIFICATIONS



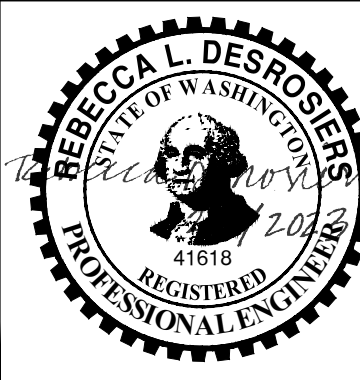
- NOTES:**
1. SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
  2. HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
  3. VERTICAL DATUM: NAVD88.
  4. CONTOUR INTERVALS SHOWN ARE 1' AND 5'

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY



**ISSUED FOR CONSTRUCTION**

0730-PL-022 (Demolition Plan).dwg D-02  
Jan 31, 2023 10:50pm chewett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**

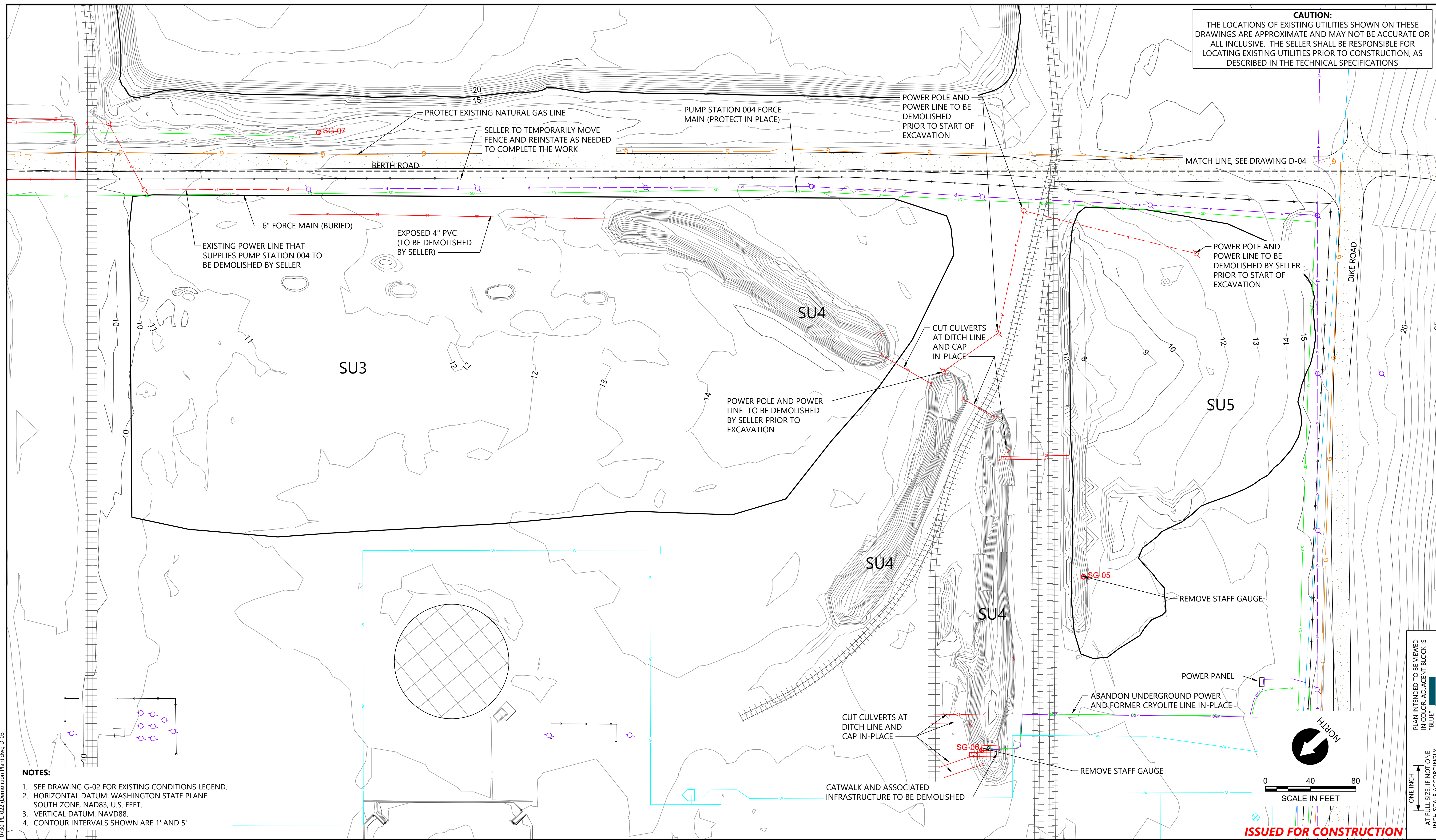
**DEMOLITION PLAN - TREATMENT FACILITIES**

**D-02**

SHEET # **26** OF 114



**CAUTION:**  
THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND MAY NOT BE ACCURATE OR ALL INCLUSIVE. THE SELLER SHALL BE RESPONSIBLE FOR LOCATING EXISTING UTILITIES PRIOR TO CONSTRUCTION, AS DESCRIBED IN THE TECHNICAL SPECIFICATIONS



- NOTES:**
1. SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
  2. HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
  3. VERTICAL DATUM: NAVD88.
  4. CONTOUR INTERVALS SHOWN ARE 1' AND 5'

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY

0730-PL-022 (Demolition Plan).dwg D-03 Jan 31, 2023 10:50pm chewett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

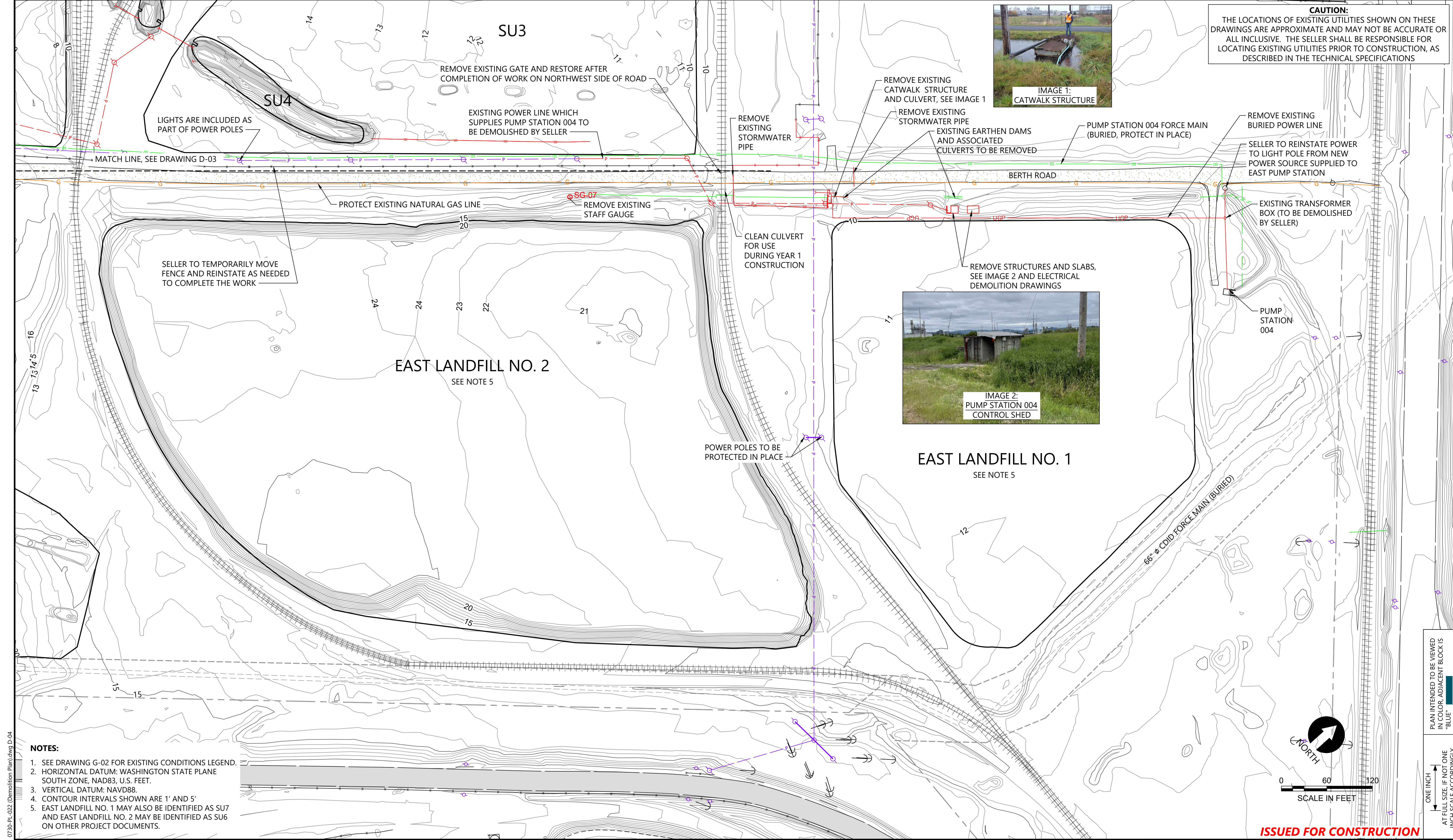
**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**

**DEMOLITION PLAN - SU3, SU4, AND SU5**

**D-03**

SHEET # 27 OF 114





**CAUTION:**  
 THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND MAY NOT BE ACCURATE OR ALL INCLUSIVE. THE SELLER SHALL BE RESPONSIBLE FOR LOCATING EXISTING UTILITIES PRIOR TO CONSTRUCTION, AS DESCRIBED IN THE TECHNICAL SPECIFICATIONS



LIGHTS ARE INCLUDED AS PART OF POWER POLES

REMOVE EXISTING GATE AND RESTORE AFTER COMPLETION OF WORK ON NORTHWEST SIDE OF ROAD

EXISTING POWER LINE WHICH SUPPLIES PUMP STATION 004 TO BE DEMOLISHED BY SELLER

REMOVE EXISTING STORMWATER PIPE

REMOVE EXISTING CATWALK STRUCTURE AND CULVERT, SEE IMAGE 1

REMOVE EXISTING STORMWATER PIPE

EXISTING EARTHEN DAMS AND ASSOCIATED CULVERTS TO BE REMOVED

PUMP STATION 004 FORCE MAIN (BURIED, PROTECT IN PLACE)

REMOVE EXISTING BURIED POWER LINE

SELLER TO REINSTATE POWER TO LIGHT POLE FROM NEW POWER SOURCE SUPPLIED TO EAST PUMP STATION

EXISTING TRANSFORMER BOX (TO BE DEMOLISHED BY SELLER)

PUMP STATION 004

PROTECT EXISTING NATURAL GAS LINE

REMOVE EXISTING STAFF GAUGE

CLEAN CULVERT FOR USE DURING YEAR 1 CONSTRUCTION

REMOVE STRUCTURES AND SLABS, SEE IMAGE 2 AND ELECTRICAL DEMOLITION DRAWINGS

SELLER TO TEMPORARILY MOVE FENCE AND REINSTATE AS NEEDED TO COMPLETE THE WORK

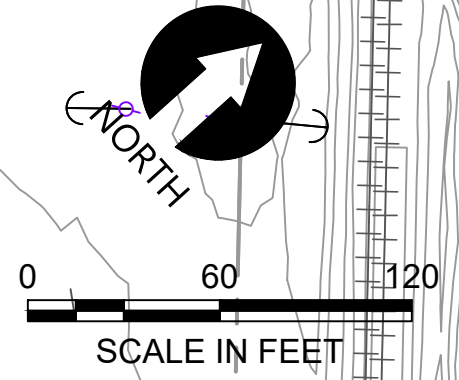
EAST LANDFILL NO. 2  
 SEE NOTE 5

EAST LANDFILL NO. 1  
 SEE NOTE 5

POWER POLES TO BE PROTECTED IN PLACE

66" Ø COLD FORCE MAIN (BURIED)

- NOTES:**
- SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
  - HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
  - VERTICAL DATUM: NAVD88.
  - CONTOUR INTERVALS SHOWN ARE 1' AND 5'
  - EAST LANDFILL NO. 1 MAY ALSO BE IDENTIFIED AS SU7 AND EAST LANDFILL NO. 2 MAY BE IDENTIFIED AS SU6 ON OTHER PROJECT DOCUMENTS.



**ISSUED FOR CONSTRUCTION**

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY

0730-PL-022 (Demolition Plan) dwg D-04



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

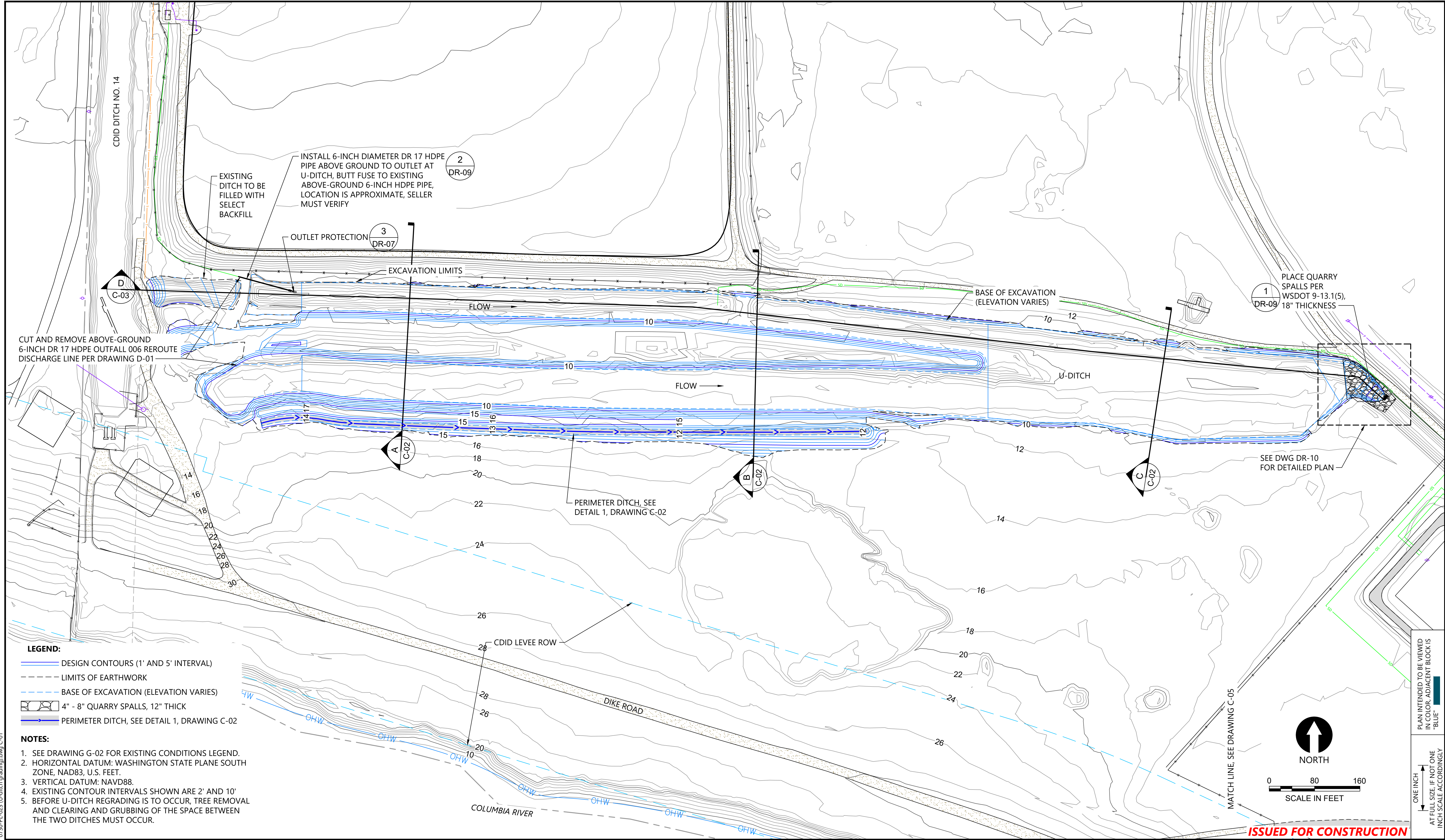
**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**

**DEMOLITION PLAN - EAST LANDFILL NO. 1 AND NO. 2**

**D-04**

SHEET # 28 OF 114





- LEGEND:**
- DESIGN CONTOURS (1' AND 5' INTERVAL)
  - - - - LIMITS OF EARTHWORK
  - - - - BASE OF EXCAVATION (ELEVATION VARIES)
  - 4" - 8" QUARRY SPALLS, 12" THICK
  - > PERIMETER DITCH, SEE DETAIL 1, DRAWING C-02

- NOTES:**
1. SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
  2. HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
  3. VERTICAL DATUM: NAVD88.
  4. EXISTING CONTOUR INTERVALS SHOWN ARE 2' AND 10'.
  5. BEFORE U-DITCH REGRADING IS TO OCCUR, TREE REMOVAL AND CLEARING AND GRUBBING OF THE SPACE BETWEEN THE TWO DITCHES MUST OCCUR.

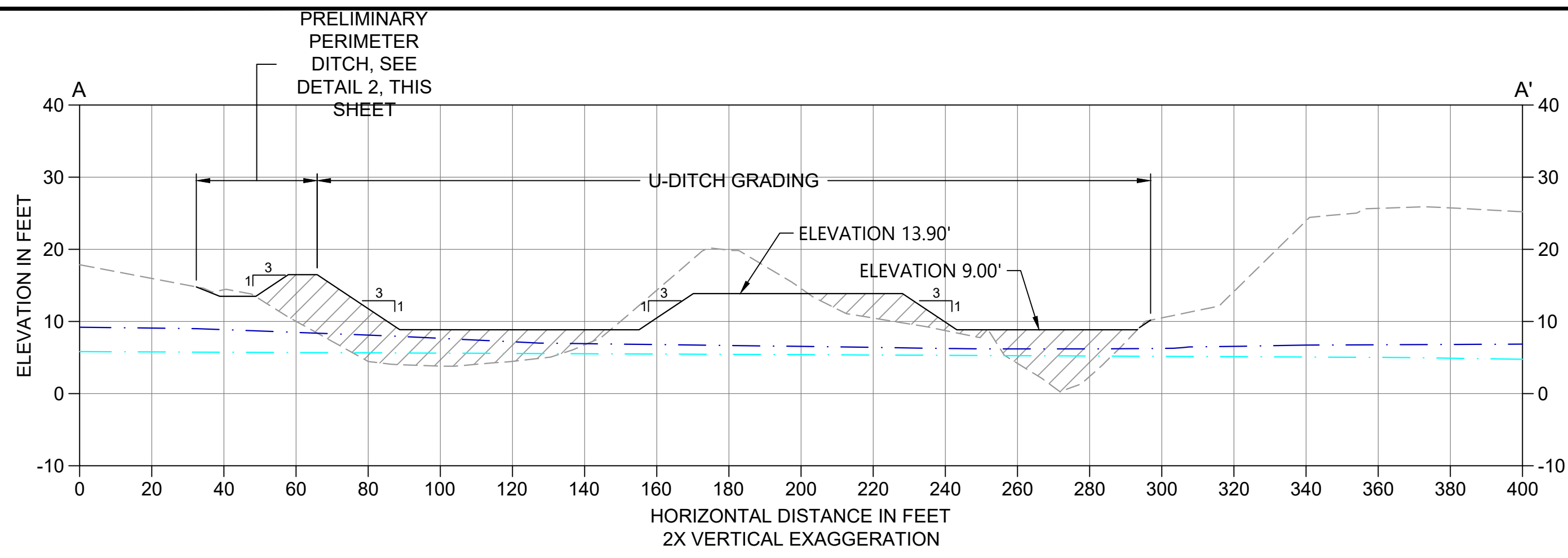
**ISSUED FOR CONSTRUCTION**

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY

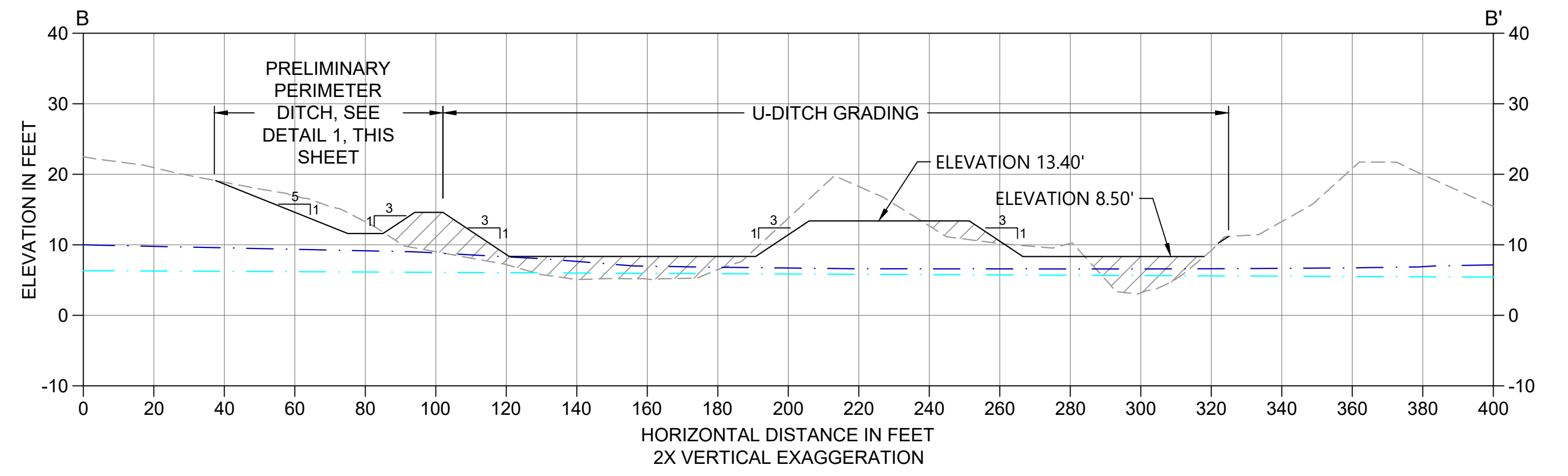
0730-PL-023 (U-ditch grading).dwg C-01  
 Jan 31, 2023 10:50pm chewett

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REVISIONS																															
REV	DATE	BY	APP'D	DESCRIPTION																											
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION																											

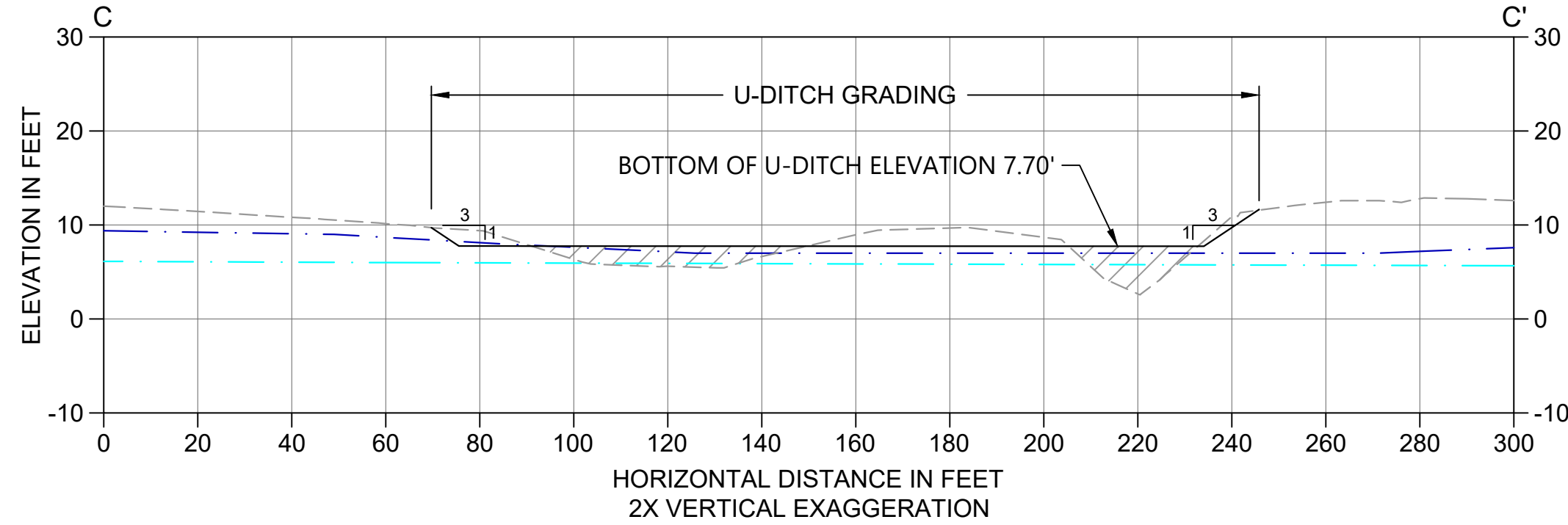




**A SECTION**  
C-01 SCALE: 1" = 30'



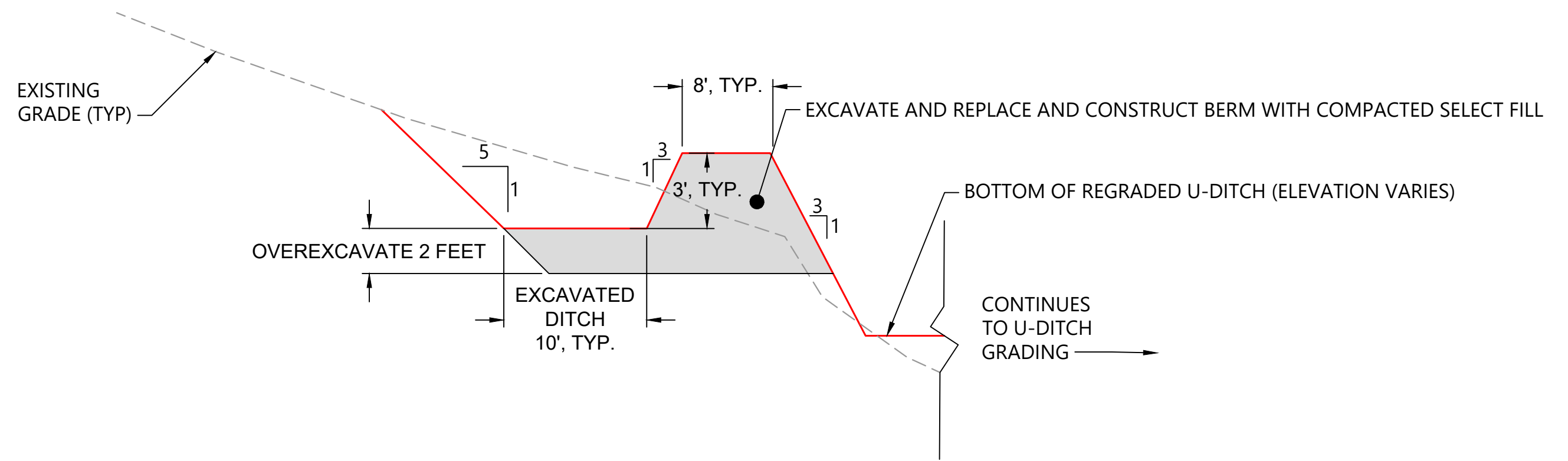
**B SECTION**  
C-01 SCALE: 1" = 30'



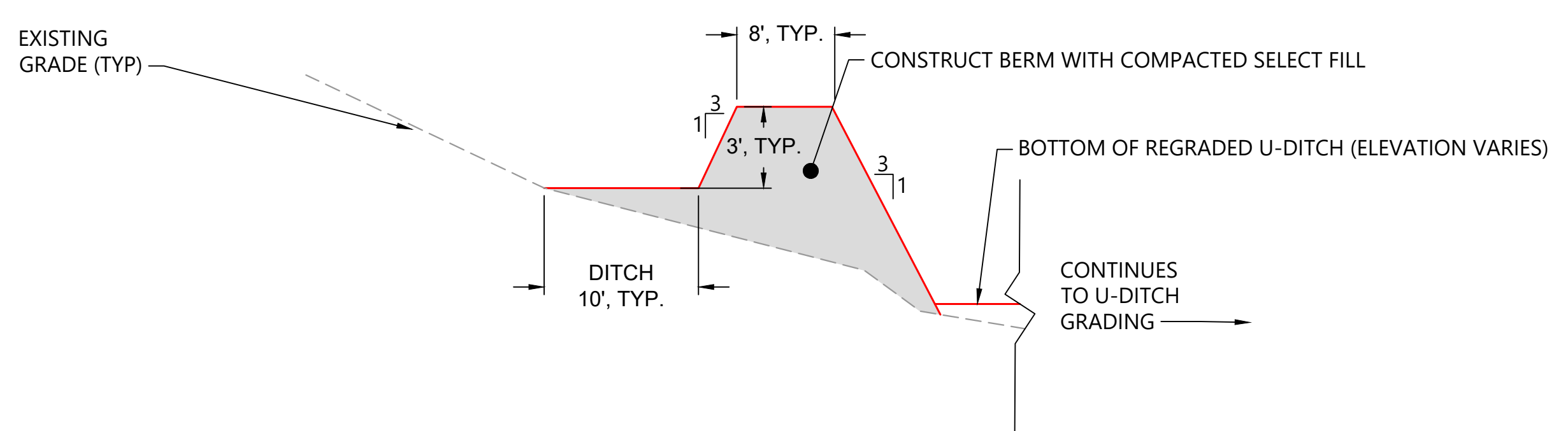
**C SECTION**  
C-01 SCALE: 1" = 30'

- LEGEND:**
- - - - - EXISTING GRADE
  - DESIGN GRADE
  - ▨ PROPOSED FILL AREA
  - - - - - SEASONAL HIGH GROUNDWATER ELEVATION
  - - - - - SEASONAL LOW GROUNDWATER ELEVATION

- NOTES:**
1. BEFORE U-DITCH REGRADING IS TO OCCUR, TREE REMOVAL AND CLEARING AND GRUBBING OF THE SPACE BETWEEN THE TWO DITCHES MUST OCCUR.
  2. U-DITCH TO BE FILLED WITH GENERAL BACKFILL OR REUSE OF EXCAVATED MATERIAL. THIS DOES NOT APPLY TO THE BERM AND PERIMETER DITCHES WHERE SELECT FILL IS REQUIRED.



**1 PRELIMINARY PERIMETER DITCH DETAIL (CUT AND FILL)**  
SCALE: NOT TO SCALE  
NOTE: BERM FOR PRELIMINARY PERIMETER DITCH TO BE CONSTRUCTED WITH COMPACTED SELECT FILL. THE REMAINDER OF THE U-DITCH MAY BE CONSTRUCTED WITH EXCAVATED MATERIAL.



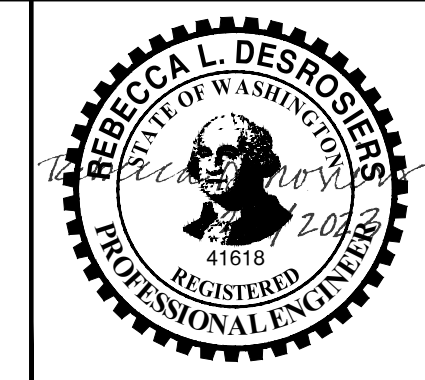
**2 PRELIMINARY PERIMETER DITCH DETAIL (FILL ONLY)**  
SCALE: NOT TO SCALE  
NOTE: BERM FOR PRELIMINARY PERIMETER DITCH TO BE CONSTRUCTED WITH COMPACTED SELECT FILL. THE REMAINDER OF THE U-DITCH MAY BE CONSTRUCTED WITH EXCAVATED MATERIAL.



PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY

**ISSUED FOR CONSTRUCTION**

0730-PL-023 (U-ditch grading).dwg C-02 Jan 31, 2023 10:50pm chewett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

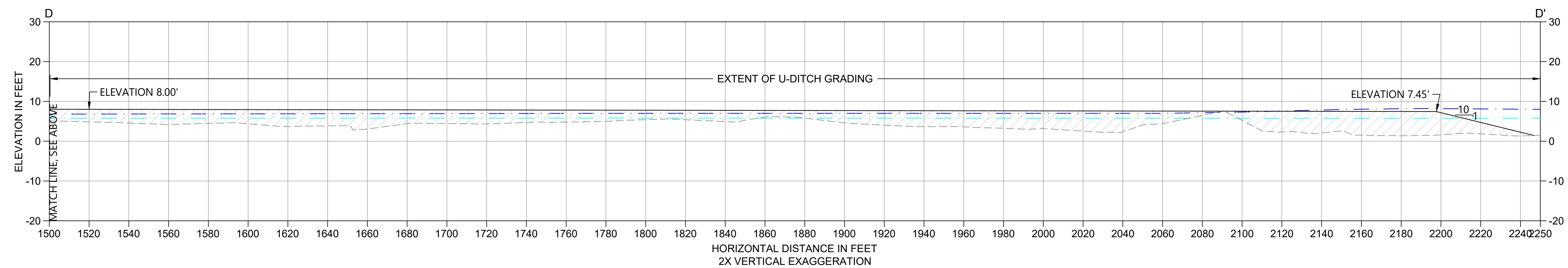
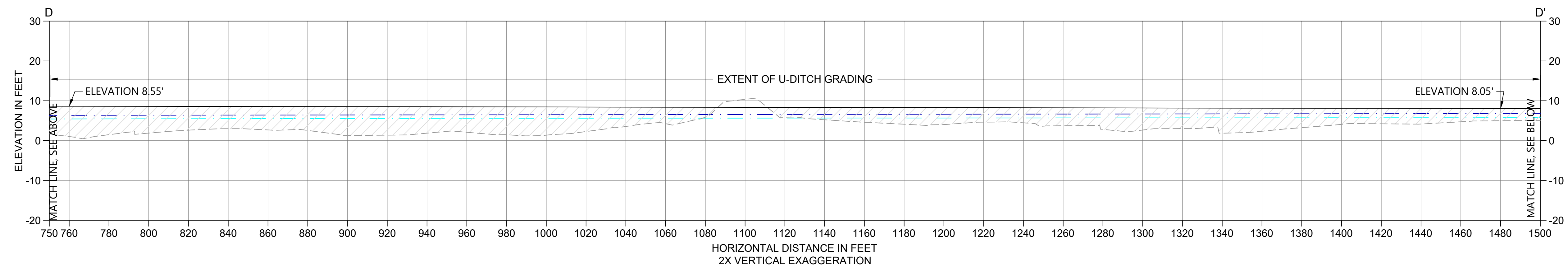
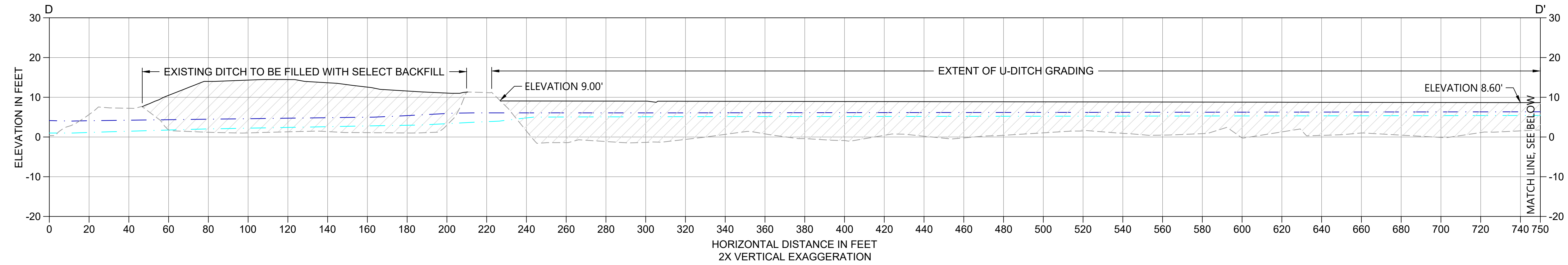
**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**

**GRADING SECTIONS - WEST LANDFILL PERIMETER DITCH AND U-DITCH (1 OF 2)**

**C-02**

SHEET # **30** OF **114**





- LEGEND:**
- - - EXISTING GRADE
  - DESIGN GRADE
  - ▨ PROPOSED FILL AREA
  - - - SEASONAL HIGH GROUNDWATER ELEVATION
  - - - SEASONAL LOW GROUNDWATER ELEVATION

- NOTES:**
1. BEFORE U-DITCH REGRADING IS TO OCCUR, TREE REMOVAL AND CLEARING AND GRUBBING OF THE SPACE BETWEEN THE TWO DITCHES MUST OCCUR.
  2. U-DITCH TO BE FILLED WITH GENERAL BACKFILL OR REUSE OF EXCAVATED MATERIAL. THIS DOES NOT APPLY TO THE BERM AND PERIMETER DITCHES WHERE SELECT FILL IS REQUIRED.

**D SECTION**  
C-01 SCALE: 1" = 30'



PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY

**ISSUED FOR CONSTRUCTION**

0730-PL-023 (U-ditch grading).dwg C-03 Jan 31, 2023 10:51pm chewett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
Δ	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

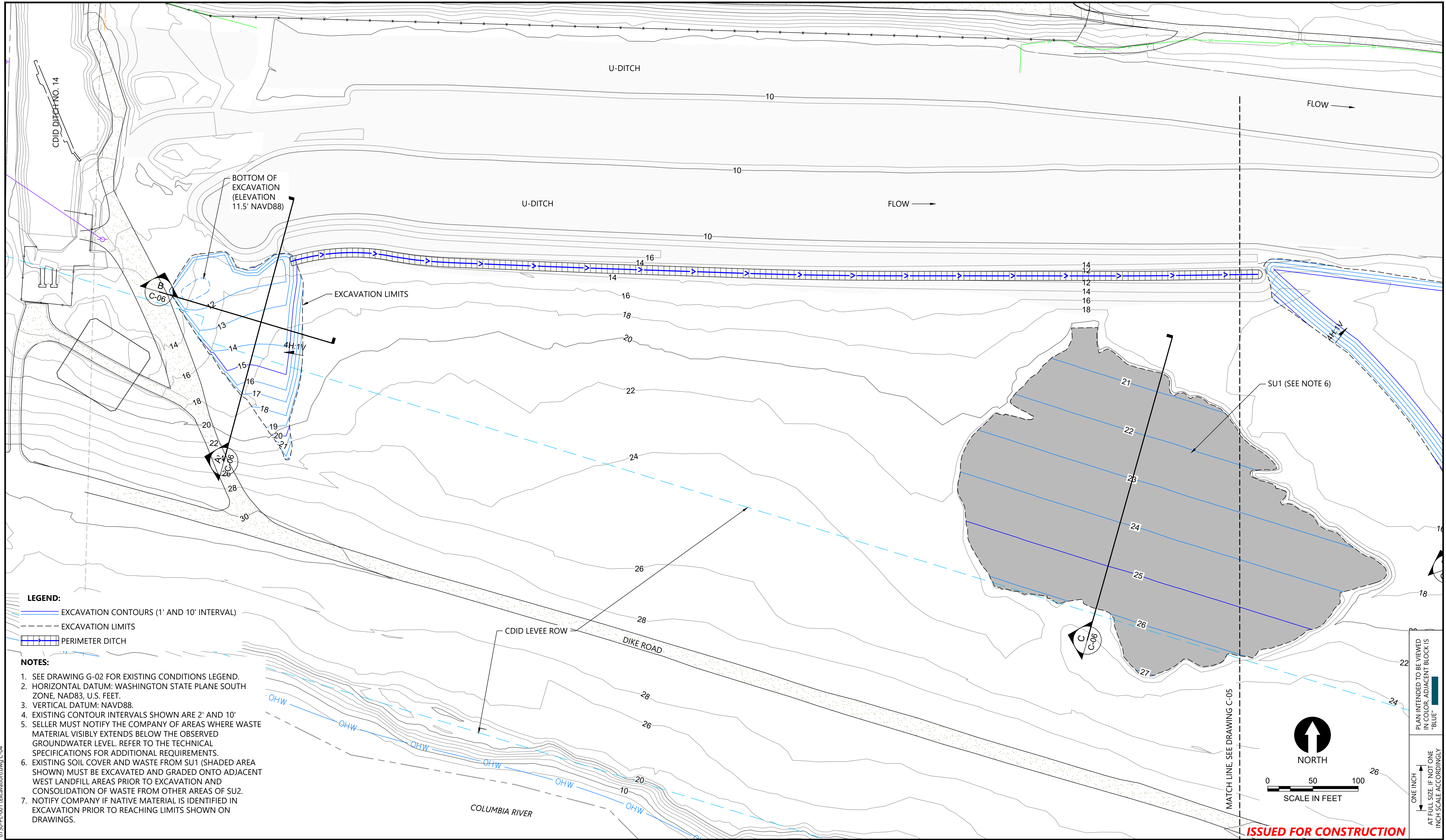
**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**

**GRADING SECTIONS - WEST LANDFILL PERIMETER DITCH AND U-DITCH (2 OF 2)**

**C-03**

SHEET # 31 OF 114



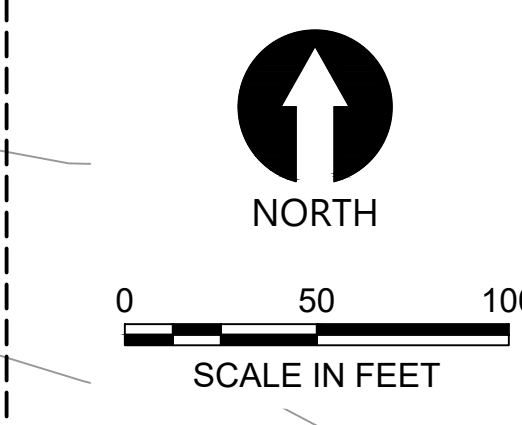


- LEGEND:**
- EXCAVATION CONTOURS (1' AND 10' INTERVAL)
  - - - EXCAVATION LIMITS
  - PERIMETER DITCH

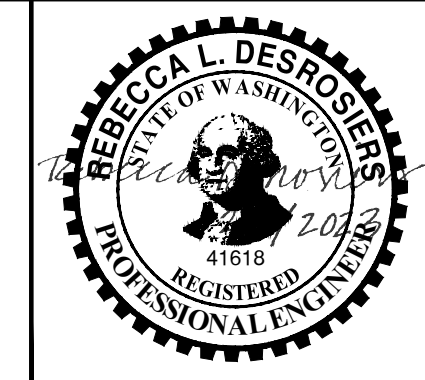
- NOTES:**
1. SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
  2. HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
  3. VERTICAL DATUM: NAVD88.
  4. EXISTING CONTOUR INTERVALS SHOWN ARE 2' AND 10'.
  5. SELLER MUST NOTIFY THE COMPANY OF AREAS WHERE WASTE MATERIAL VISIBLY EXTENDS BELOW THE OBSERVED GROUNDWATER LEVEL. REFER TO THE TECHNICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
  6. EXISTING SOIL COVER AND WASTE FROM SU1 (SHADED AREA SHOWN) MUST BE EXCAVATED AND GRADED ONTO ADJACENT WEST LANDFILL AREAS PRIOR TO EXCAVATION AND CONSOLIDATION OF WASTE FROM OTHER AREAS OF SU2.
  7. NOTIFY COMPANY IF NATIVE MATERIAL IS IDENTIFIED IN EXCAVATION PRIOR TO REACHING LIMITS SHOWN ON DRAWINGS.

0730-PL-001 Excavation.dwg C-04 Jan 31, 2023 10:51pm chewett

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY



**ISSUED FOR CONSTRUCTION**



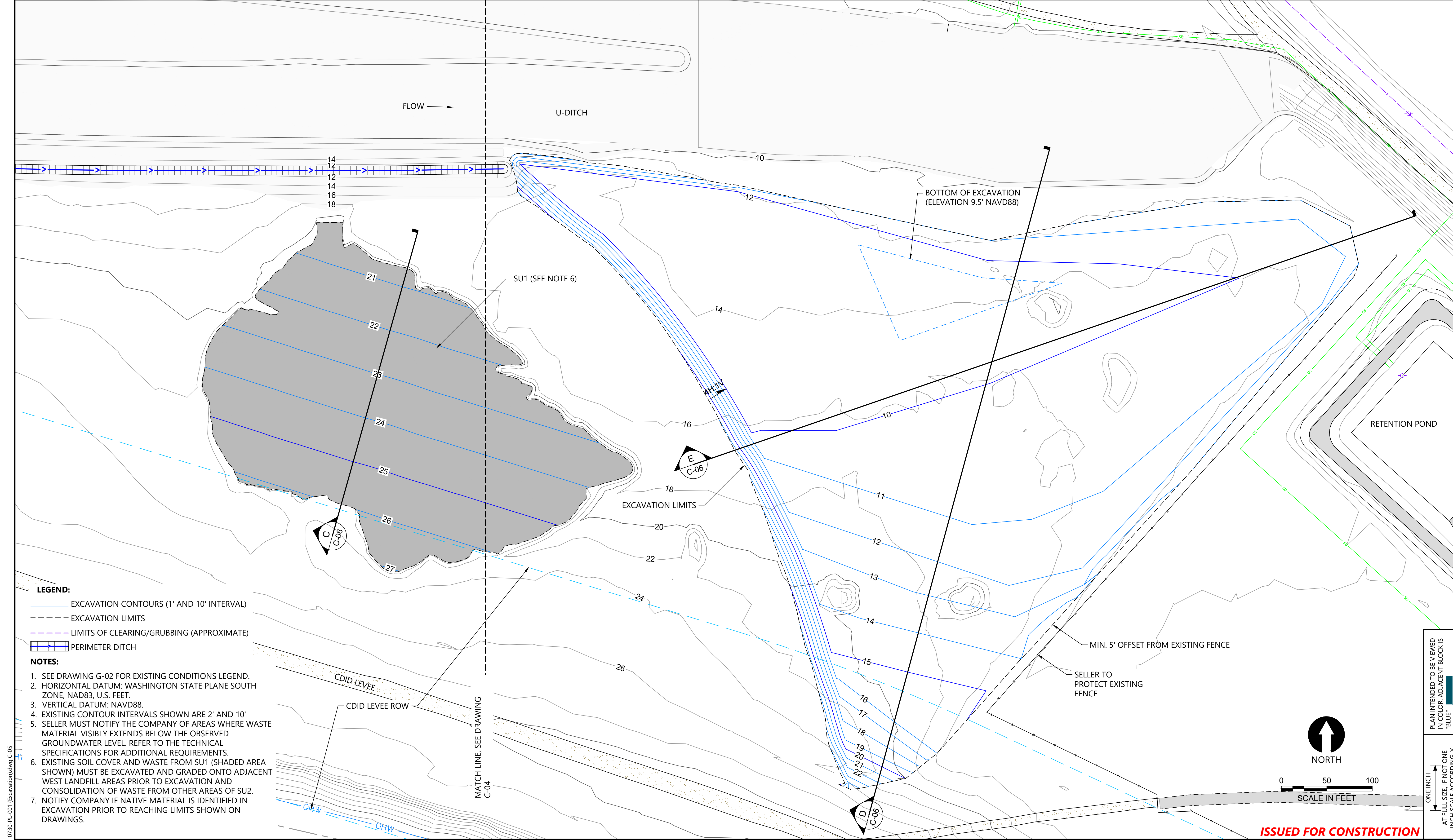
REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**  
**EXCAVATION PLAN - SU2 AND WEST LANDFILL (WEST)**

**C-04**  
 SHEET # **32** OF 114





- LEGEND:**
- EXCAVATION CONTOURS (1' AND 10' INTERVAL)
  - - - EXCAVATION LIMITS
  - - - LIMITS OF CLEARING/GRUBBING (APPROXIMATE)
  - PERIMETER DITCH

- NOTES:**
1. SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
  2. HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
  3. VERTICAL DATUM: NAVD88.
  4. EXISTING CONTOUR INTERVALS SHOWN ARE 2' AND 10'.
  5. SELLER MUST NOTIFY THE COMPANY OF AREAS WHERE WASTE MATERIAL VISIBLY EXTENDS BELOW THE OBSERVED GROUNDWATER LEVEL. REFER TO THE TECHNICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
  6. EXISTING SOIL COVER AND WASTE FROM SU1 (SHADED AREA SHOWN) MUST BE EXCAVATED AND GRADED ONTO ADJACENT WEST LANDFILL AREAS PRIOR TO EXCAVATION AND CONSOLIDATION OF WASTE FROM OTHER AREAS OF SU2.
  7. NOTIFY COMPANY IF NATIVE MATERIAL IS IDENTIFIED IN EXCAVATION PRIOR TO REACHING LIMITS SHOWN ON DRAWINGS.

0730-PL-001 Excavation.dwg C-05 Jan 31, 2023 10:51pm chevett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**

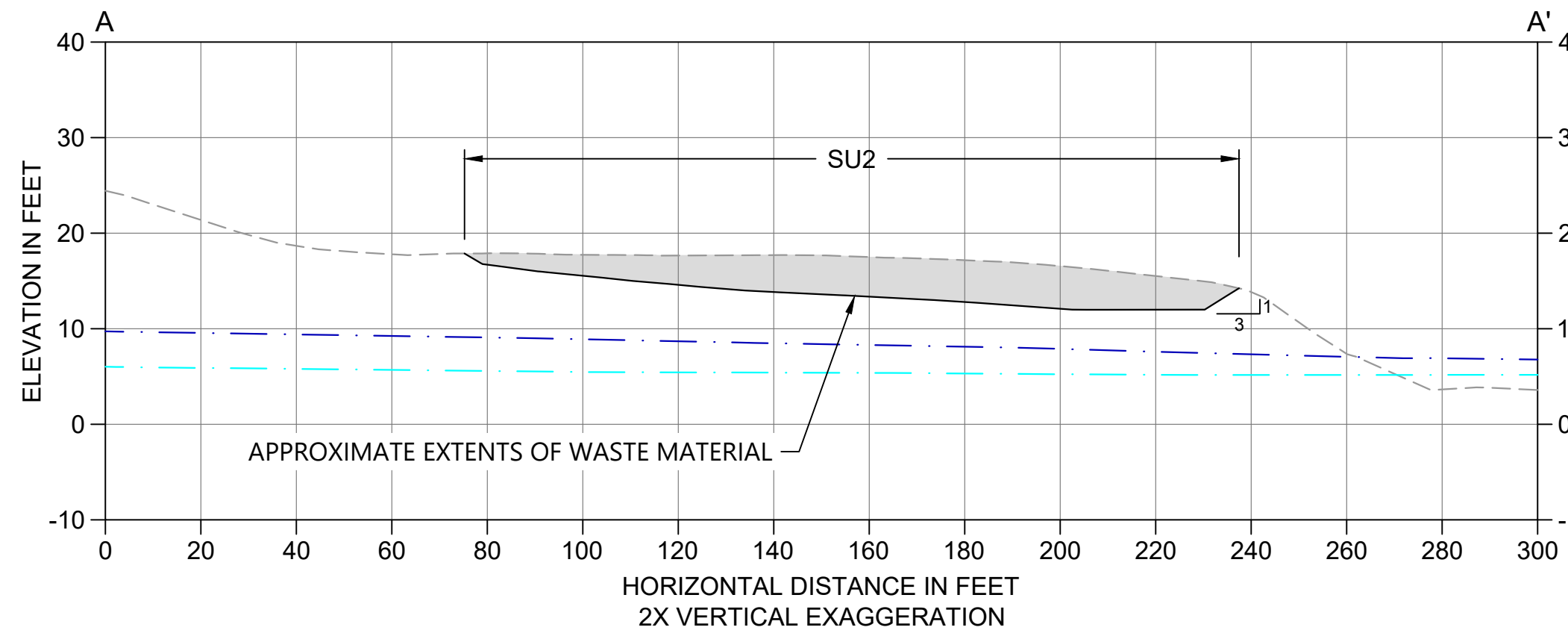
**EXCAVATION PLAN - SU2 AND WEST LANDFILL (EAST)**

**C-05**

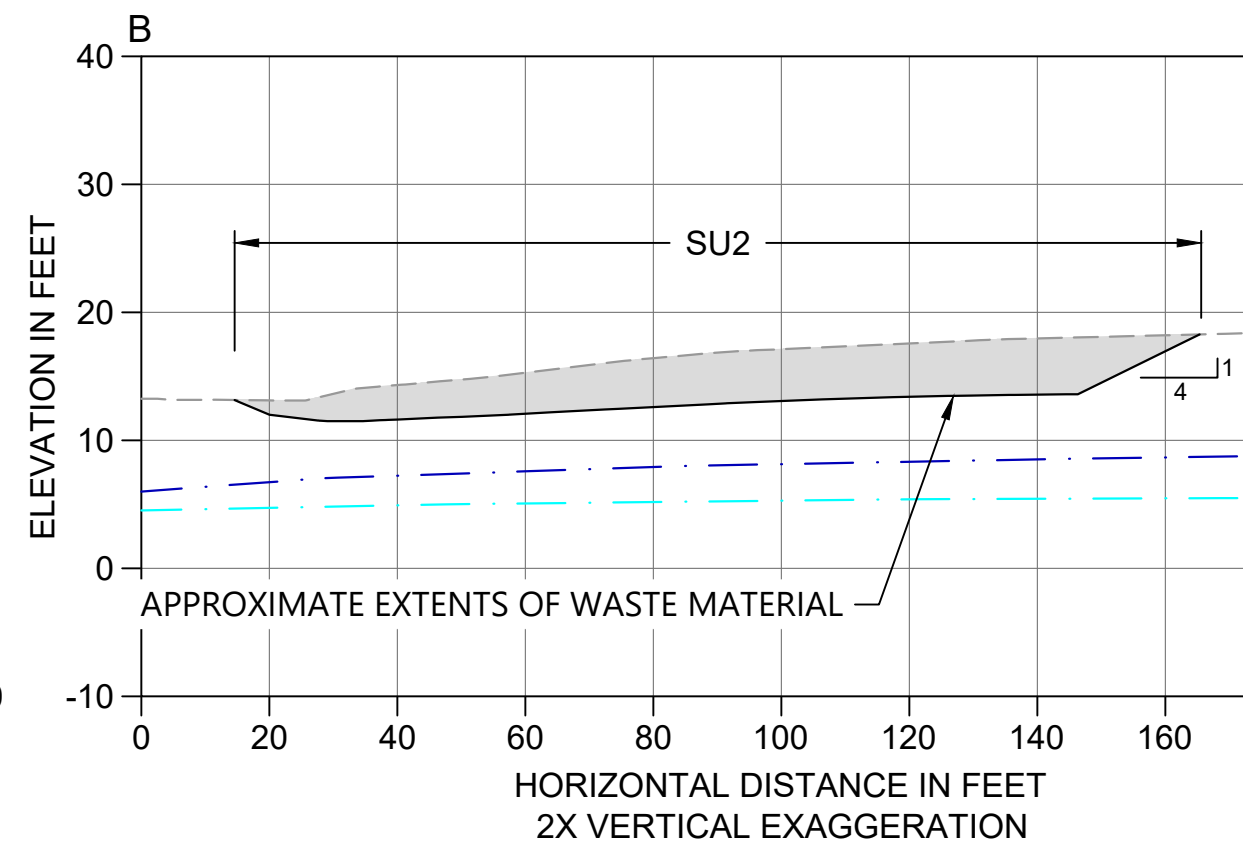
SHEET # 33 OF 114

**ISSUED FOR CONSTRUCTION**

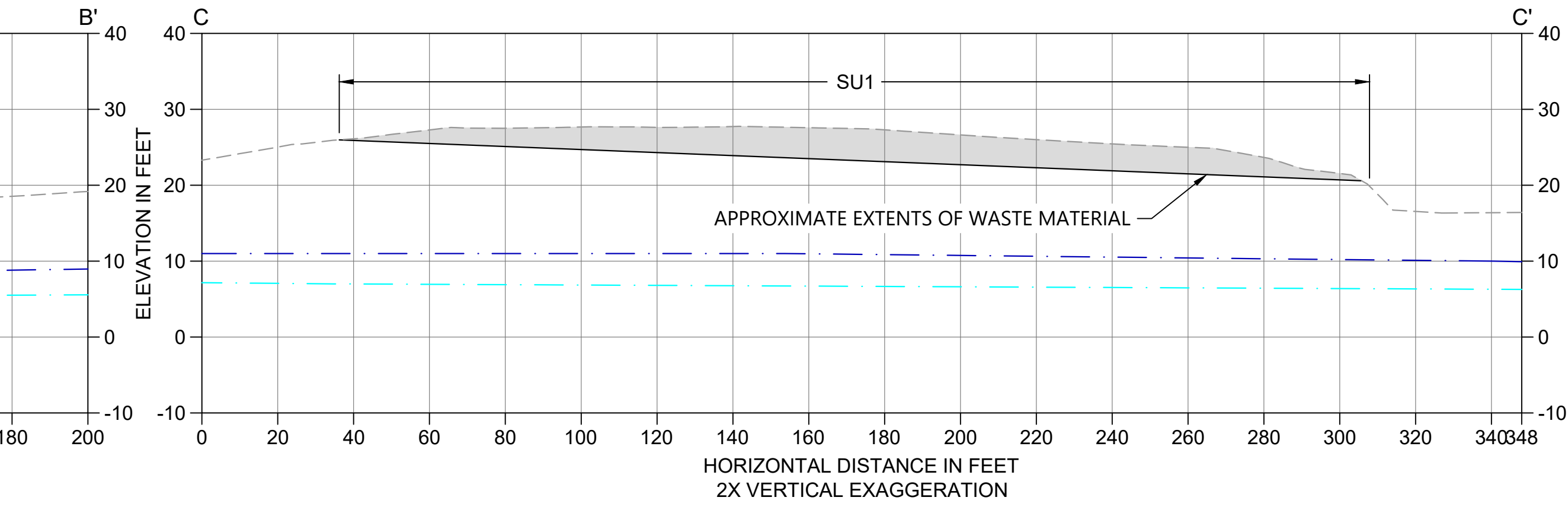




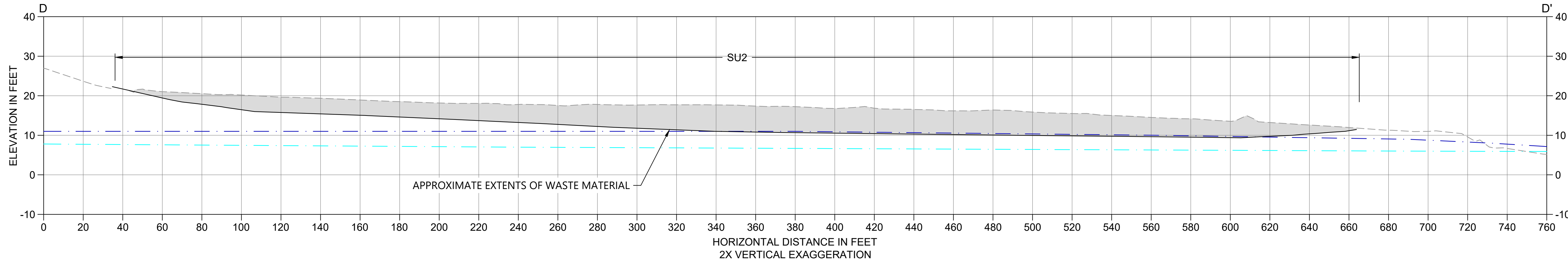
**A SECTION**  
C-04 SCALE: 1" = 30'



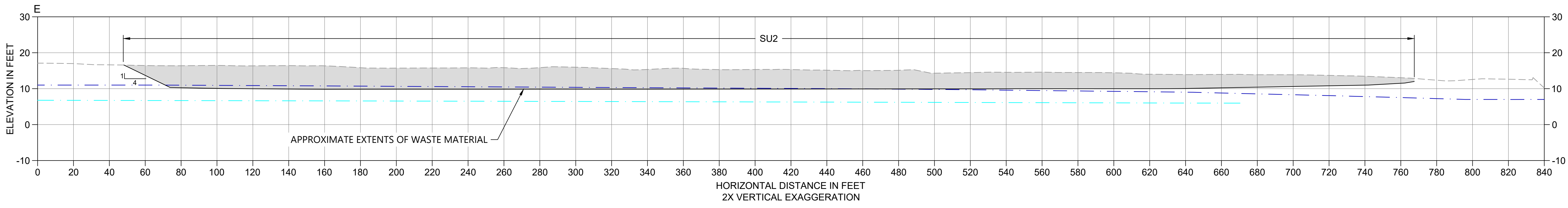
**B SECTION**  
C-04 SCALE: 1" = 30'



**C SECTION**  
C-04 SCALE: 1" = 30'



**D SECTION**  
C-05 SCALE: 1" = 30'



**E SECTION**  
C-05 SCALE: 1" = 30'

- NOTES:**
1. SELLER MUST NOTIFY THE COMPANY OF AREAS WHERE WASTE MATERIAL VISIBLY EXTENDS BELOW THE OBSERVED GROUNDWATER LEVEL. REFER TO THE TECHNICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
  2. BOTTOM OF WASTE MATERIAL IS NOT EXPECTED TO EXTEND BELOW THE SEASONAL LOW GROUNDWATER ELEVATION IN SU2.
  3. NOTIFY COMPANY IF NATIVE MATERIAL IS IDENTIFIED IN EXCAVATION PRIOR TO REACHING LIMITS SHOWN ON DRAWINGS

- LEGEND:**
- EXISTING GRADE
  - DESIGN EXCAVATION GRADE
  - █ EXCAVATION AREA
  - - - SEASONAL HIGH GROUNDWATER ELEVATION
  - - - SEASONAL LOW GROUNDWATER ELEVATION



ONE INCH = 30 FEET  
PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY

**ISSUED FOR CONSTRUCTION**

0730-PL-001 (Excavation)dwg C-06



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

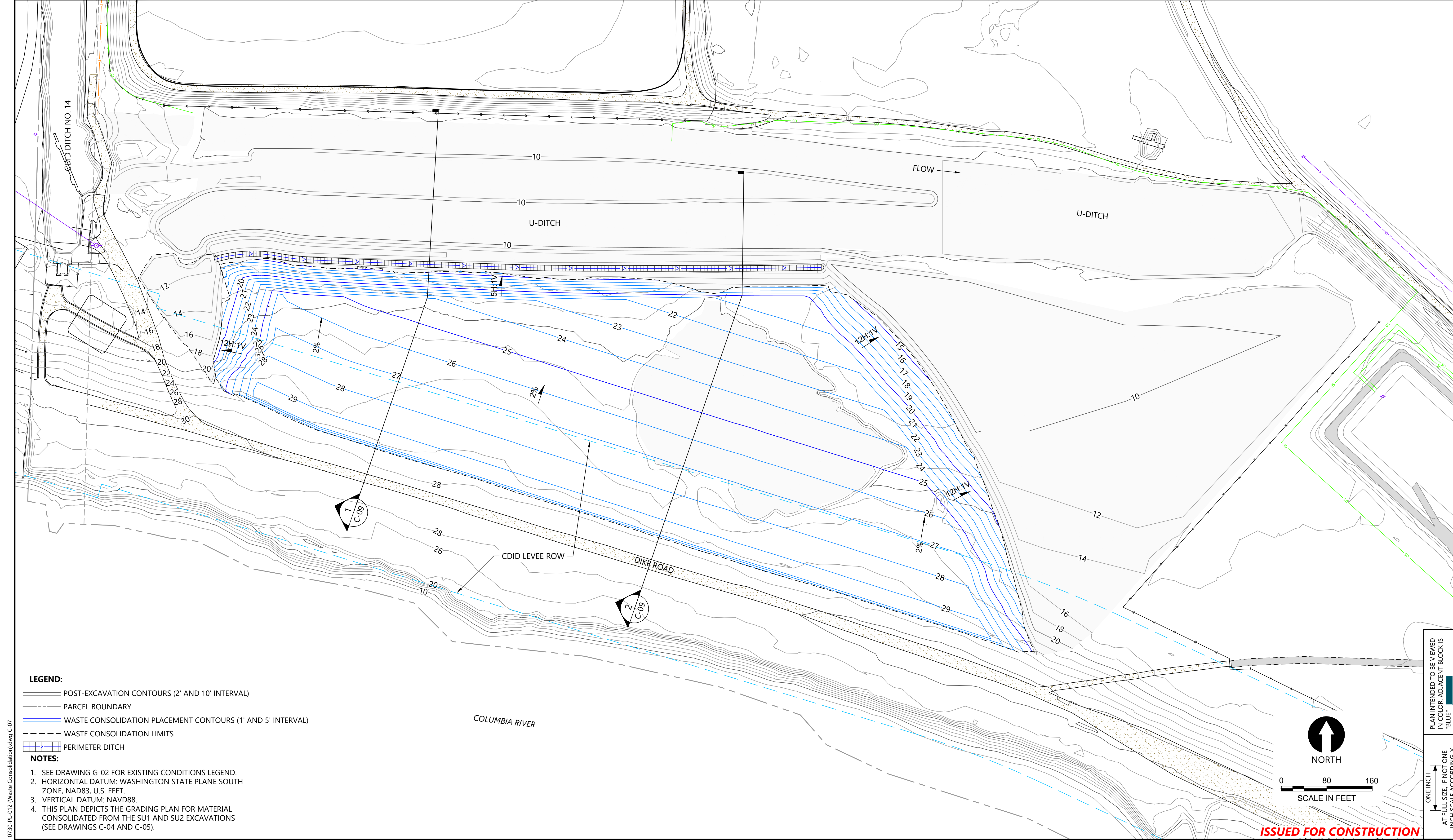
**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**

**EXCAVATION SECTIONS - SU2 AND WEST LANDFILL**

**C-06**

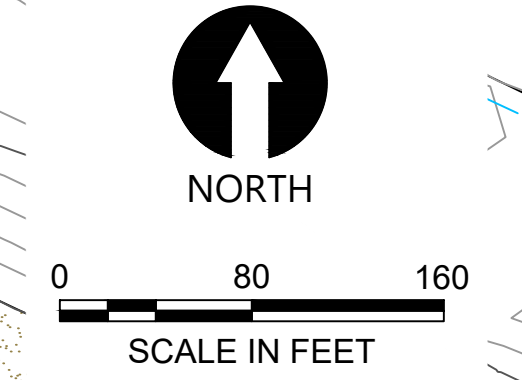
SHEET # **34** OF **114**





- LEGEND:**
- POST-EXCAVATION CONTOURS (2' AND 10' INTERVAL)
  - - - - - PARCEL BOUNDARY
  - WASTE CONSOLIDATION PLACEMENT CONTOURS (1' AND 5' INTERVAL)
  - - - - - WASTE CONSOLIDATION LIMITS
  - ▨ PERIMETER DITCH

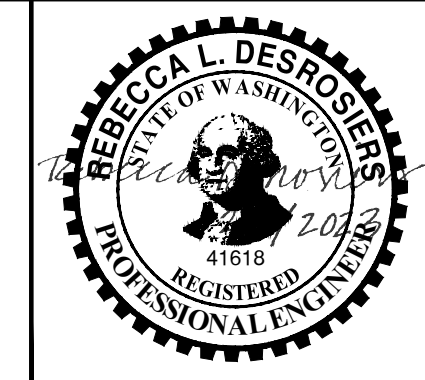
- NOTES:**
1. SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
  2. HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
  3. VERTICAL DATUM: NAVD88.
  4. THIS PLAN DEPICTS THE GRADING PLAN FOR MATERIAL CONSOLIDATED FROM THE SU1 AND SU2 EXCAVATIONS (SEE DRAWINGS C-04 AND C-05).



PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY

**ISSUED FOR CONSTRUCTION**

0730-PL-012 (Waste Consolidation) (Rev. C-07) Jan 31, 2023 10:52pm chevette



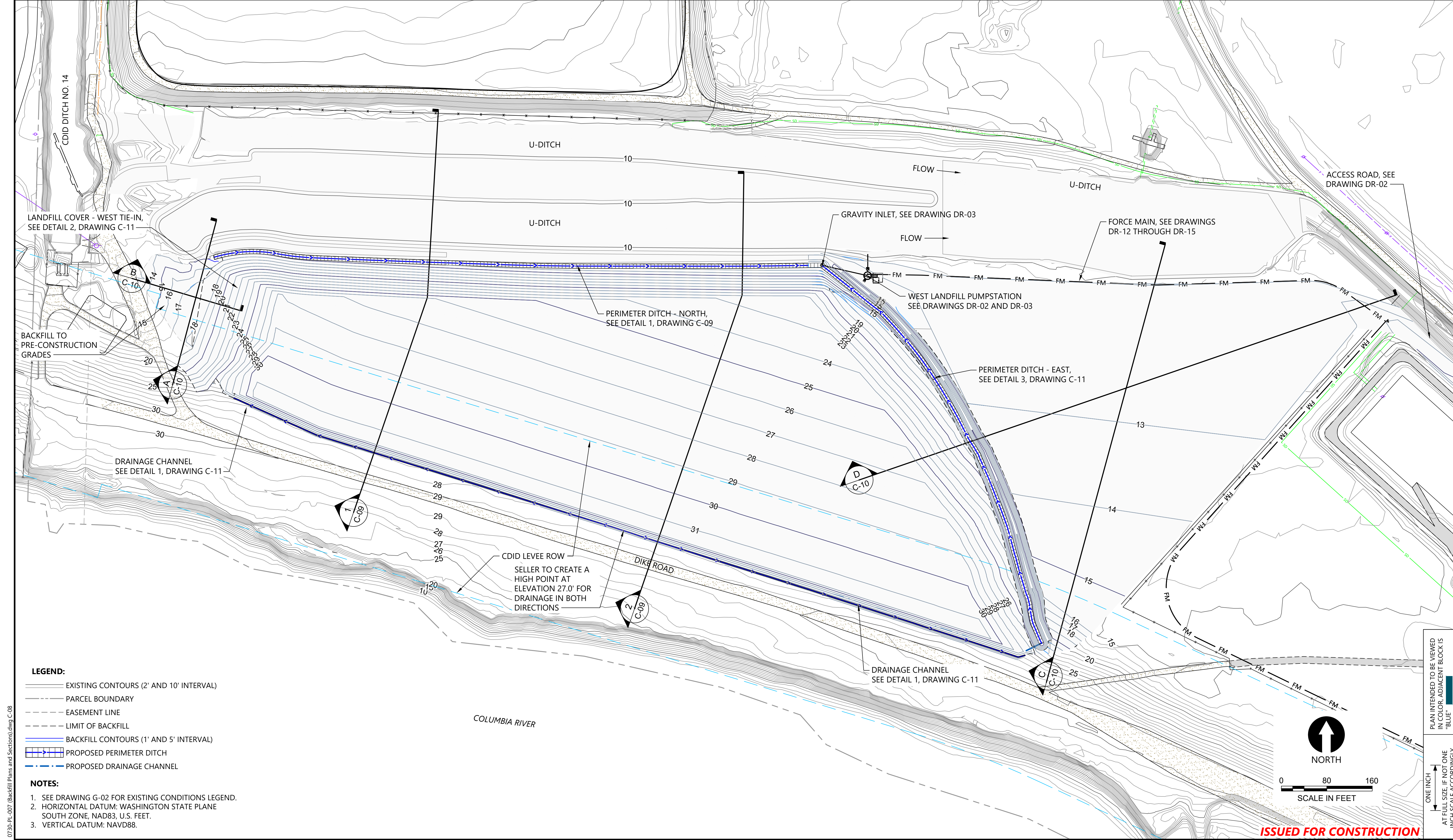
REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**  
**WASTE CONSOLIDATION AND GRADING PLAN - SU2 AND WEST LANDFILL**

**C-07**  
 SHEET # **35** OF **114**



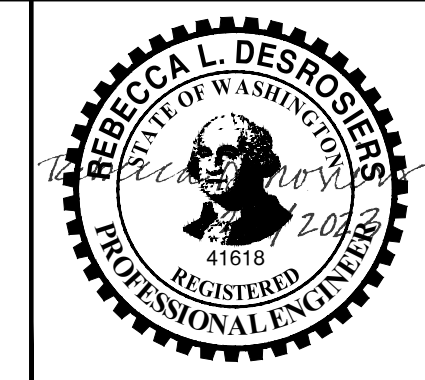


- LEGEND:**
- EXISTING CONTOURS (2' AND 10' INTERVAL)
  - - - PARCEL BOUNDARY
  - - - EASEMENT LINE
  - - - LIMIT OF BACKFILL
  - BACKFILL CONTOURS (1' AND 5' INTERVAL)
  - ▬ PROPOSED PERIMETER DITCH
  - ▬ PROPOSED DRAINAGE CHANNEL

- NOTES:**
1. SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
  2. HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
  3. VERTICAL DATUM: NAVD88.

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY.

0730-PL-007 (Backfill Plans and Sections).dwg C-08  
 Jan 31, 2023 10:52pm chewett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

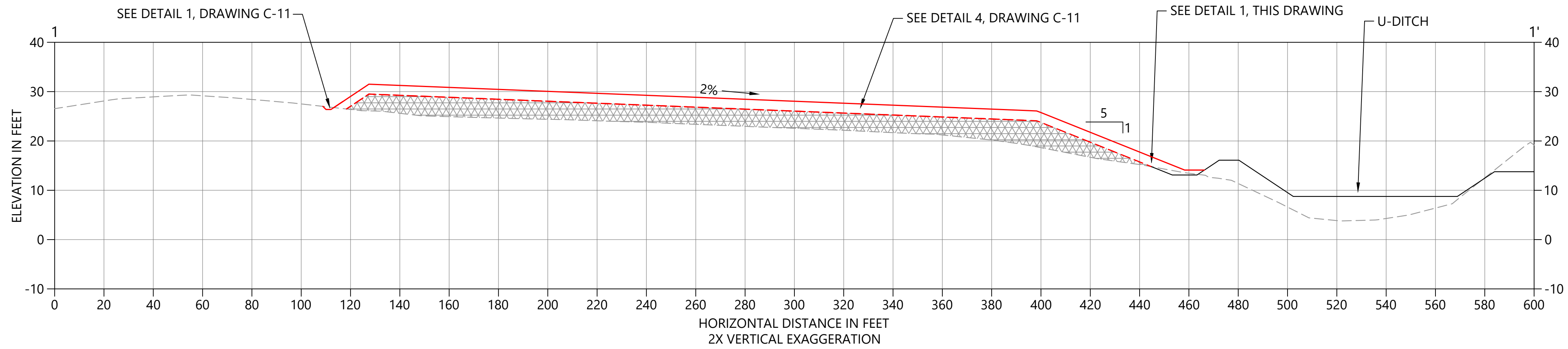
DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**  
**FINAL BACKFILL AND COVER GRADING PLAN - SU2 AND WEST LANDFILL**

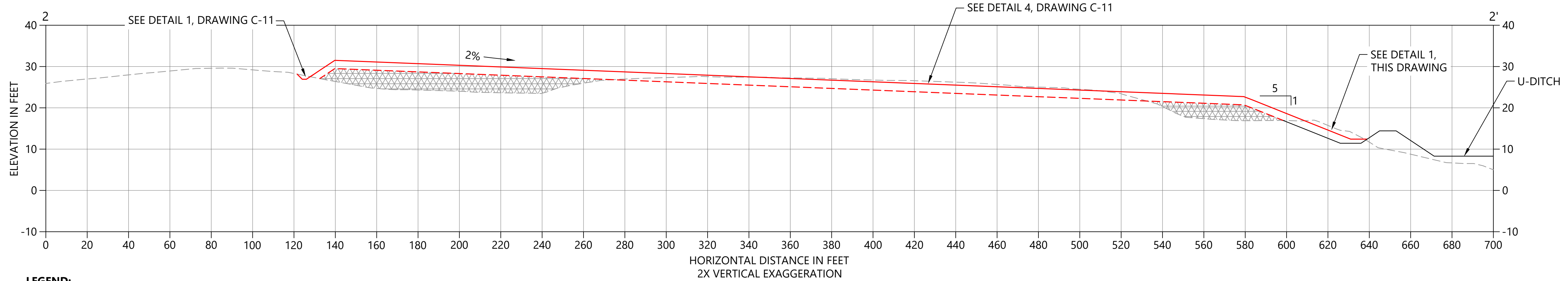
**C-08**  
 SHEET # 36 OF 114

**ISSUED FOR CONSTRUCTION**



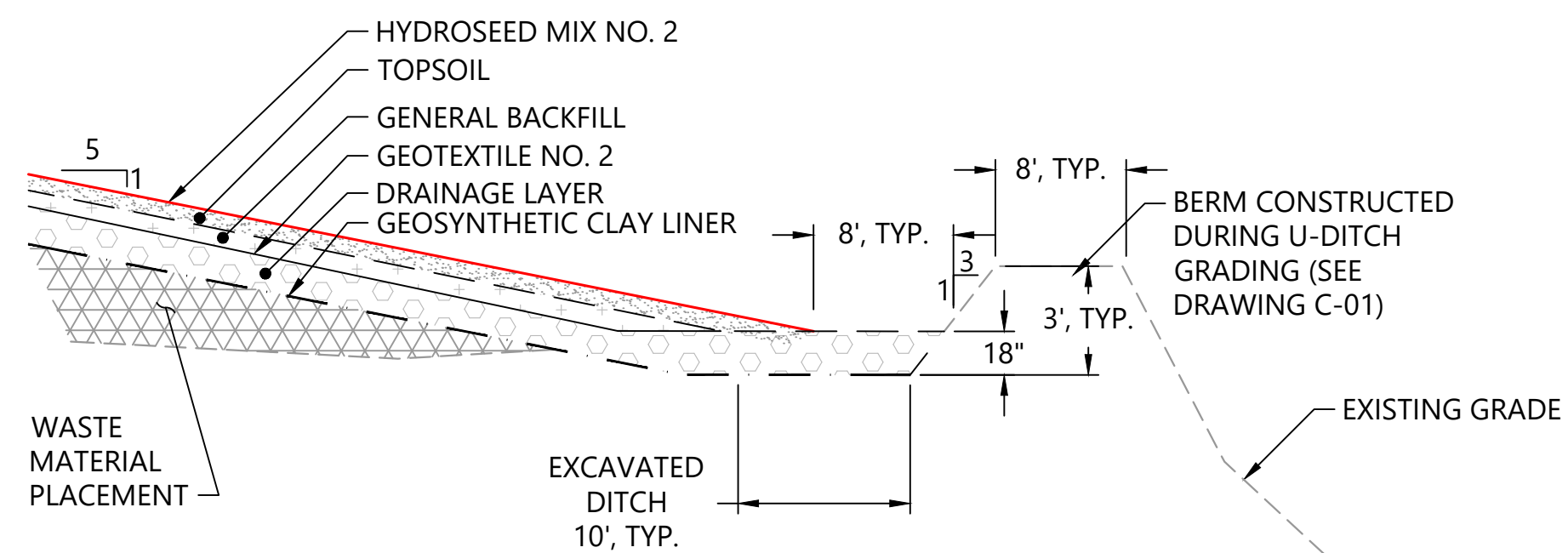


**1 CROSS SECTION 1**  
 C-07 HORIZ. SCALE: 1" = 30'  
 VERT. SCALE: 1" = 15'



**2 CROSS SECTION 2**  
 C-07 HORIZ. SCALE: 1" = 30'  
 VERT. SCALE: 1" = 15'

- LEGEND:**
- EXISTING GRADE
  - PERIMETER DITCH AND U-DITCH GRADING (SEE SHEET C-01)
  - - - PROPOSED TOP OF WASTE MATERIAL CONSOLIDATION
  - PROPOSED TOP OF FINAL COVER
  - ▨ WASTE MATERIAL



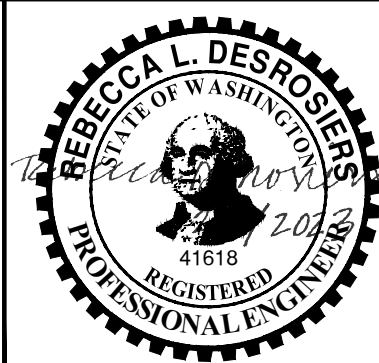
**1 FINAL NORTH PERIMETER DITCH DETAIL WITH CAP**  
 SCALE: NOT TO SCALE



PLAN INTENDED TO BE VIEWED  
 IN COLOR. ADJACENT BLOCK IS  
 "BLUE"  
 ONE INCH  
 AT FULL SIZE. IF NOT ONE  
 INCH SCALE ACCORDINGLY

**ISSUED FOR CONSTRUCTION**

0730-PL-012 (Waste Consolidation) (Rev. C-09) Jan 31, 2023 10:53pm chewett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

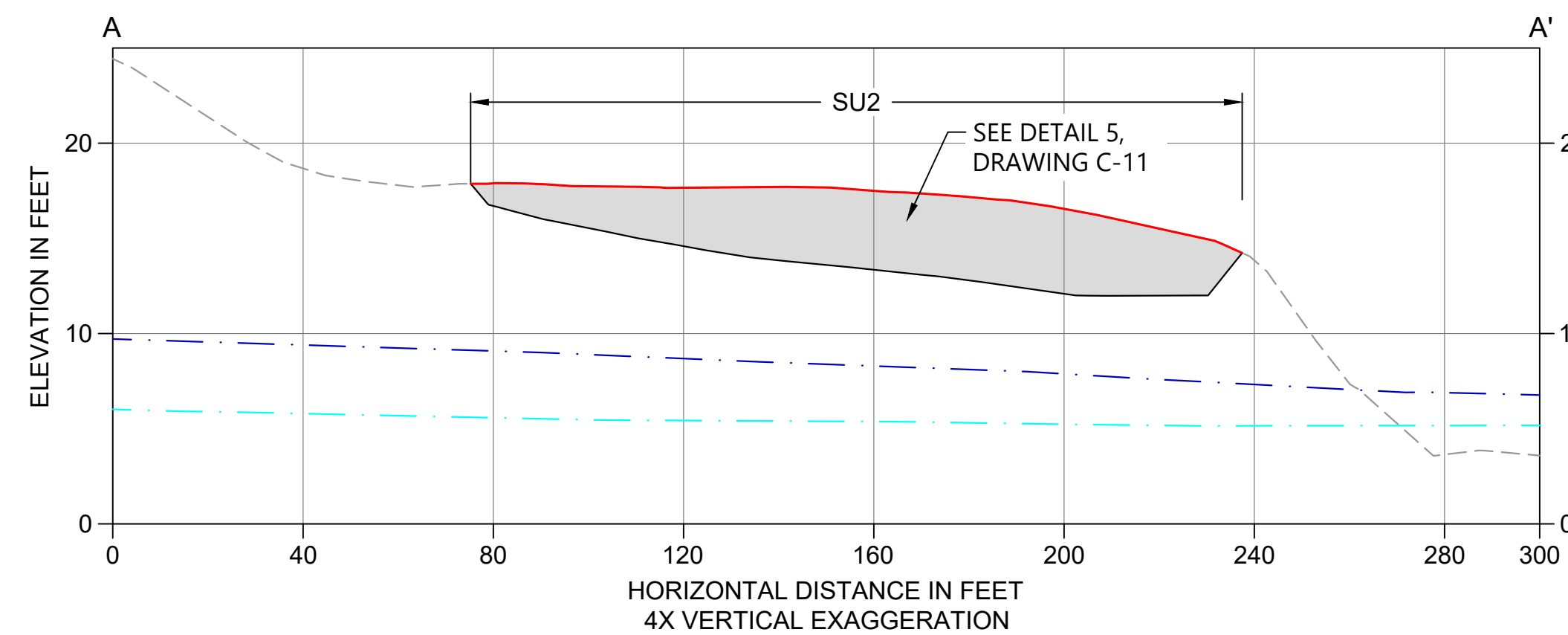
**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**

**BACKFILL AND COVER SECTIONS - SU2 AND WEST LANDFILL**

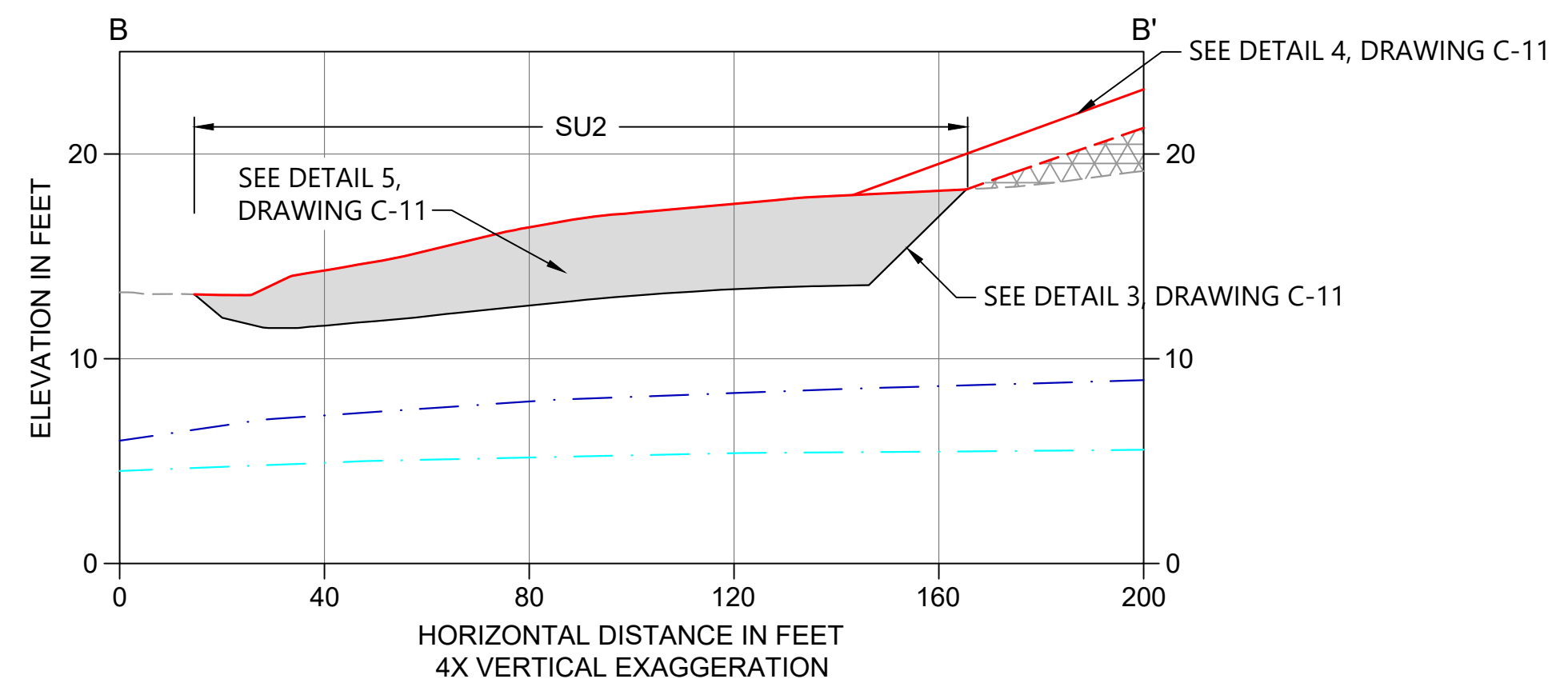
**C-09**

SHEET # **37** OF **114**

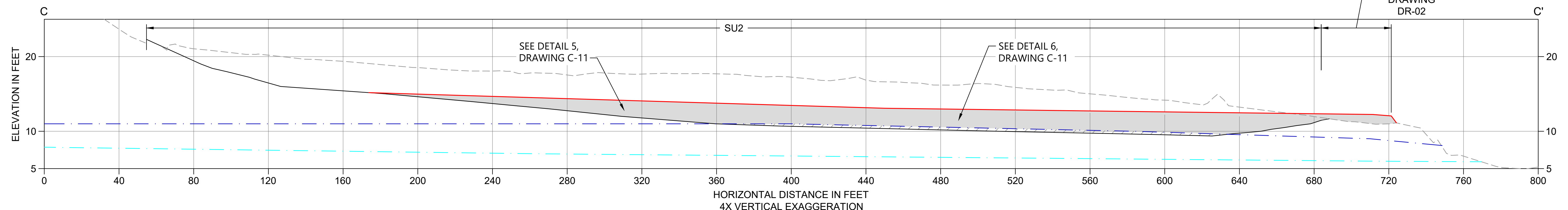




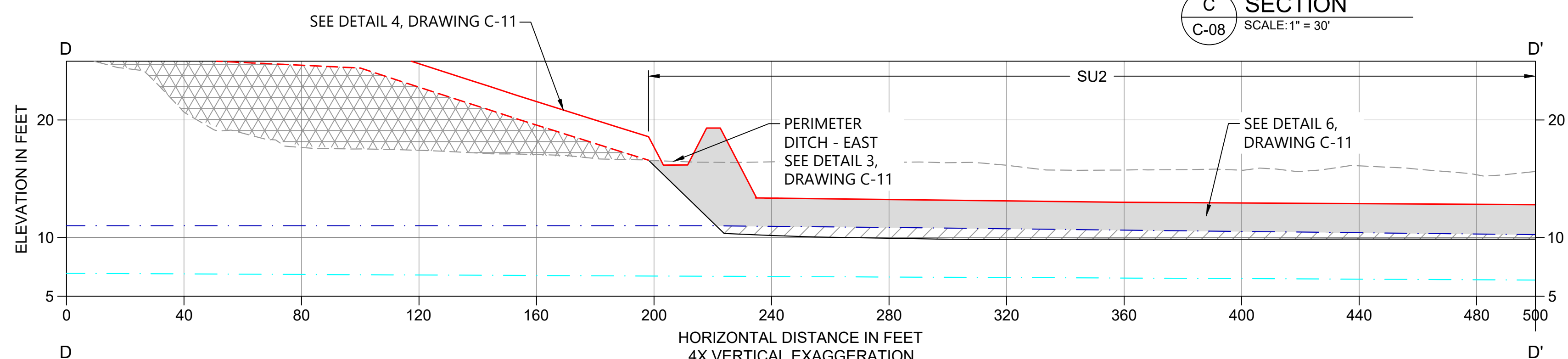
**A SECTION**  
C-08 SCALE: 1" = 30'



**B SECTION**  
C-08 SCALE: 1" = 30'

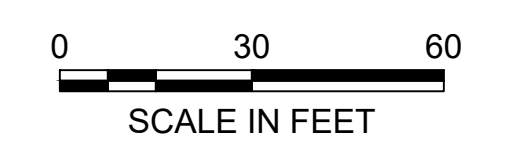


**C SECTION**  
C-08 SCALE: 1" = 30'



**D SECTION**  
C-08 SCALE: 1" = 30'

- LEGEND:**
- - - - - EXISTING GRADE
  - PROPOSED EXCAVATION GRADE
  - XXXXXX WASTE MATERIAL PLACEMENT
  - PROPOSED SELECT BACKFILL AND GRADE
  - ////// PROPOSED REACTIVE BACKFILL
  - - - - - SEASONAL HIGH GROUNDWATER CONDITIONS
  - - - - - SEASONAL LOW GROUNDWATER CONDITIONS



NOTE:  
1. SELECT BACKFILL PLACED ABOVE OBSERVED GROUNDWATER LEVEL MUST BE COMPACTED PER TECHNICAL SPECIFICATIONS.

**ISSUED FOR CONSTRUCTION**

0730-PL-007 (Backfill Plans and Sections).dwg C-10



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
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 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

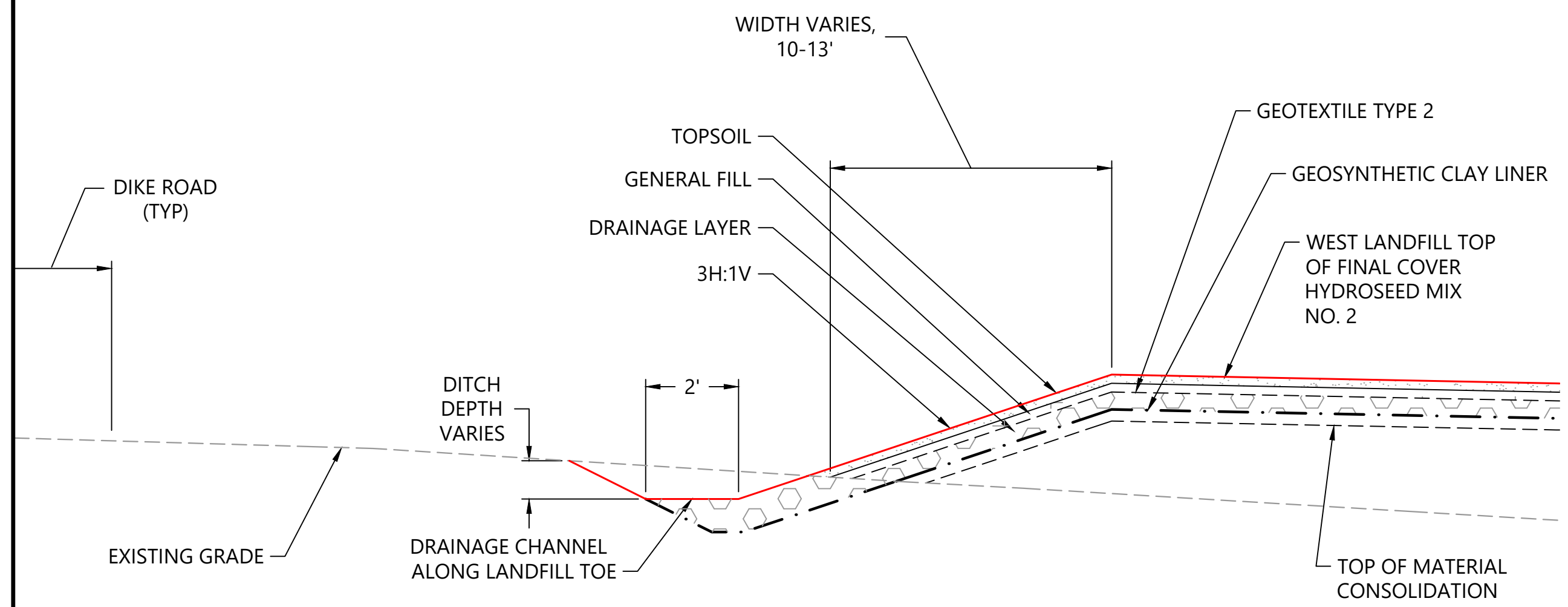
**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**  
  
**BACKFILL AND COVER SECTIONS - SU2 AND WEST LANDFILL**

**C-10**  
 SHEET # **38** OF 114

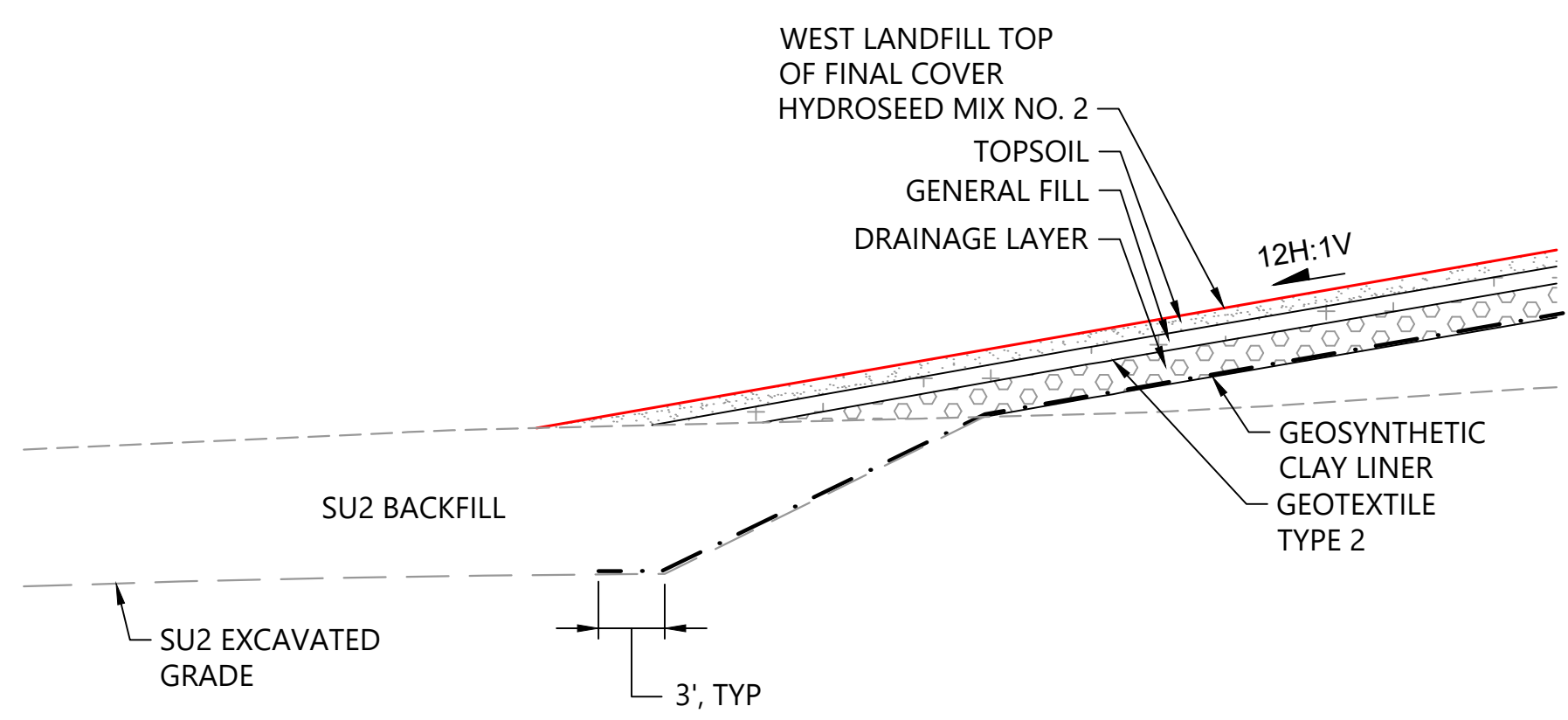
PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY



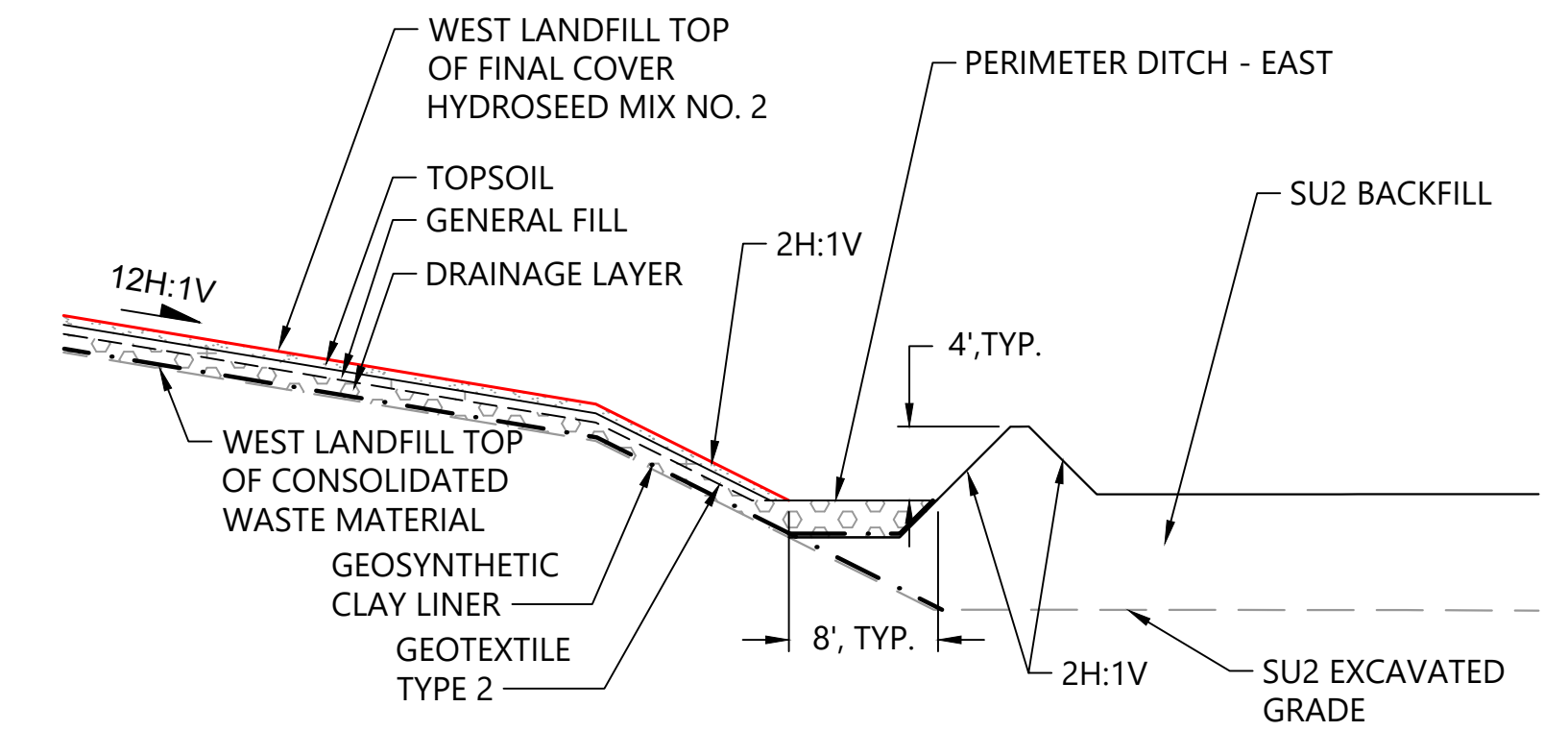
0730-PL-010 (Final Cover and Drainage).dwg C-11



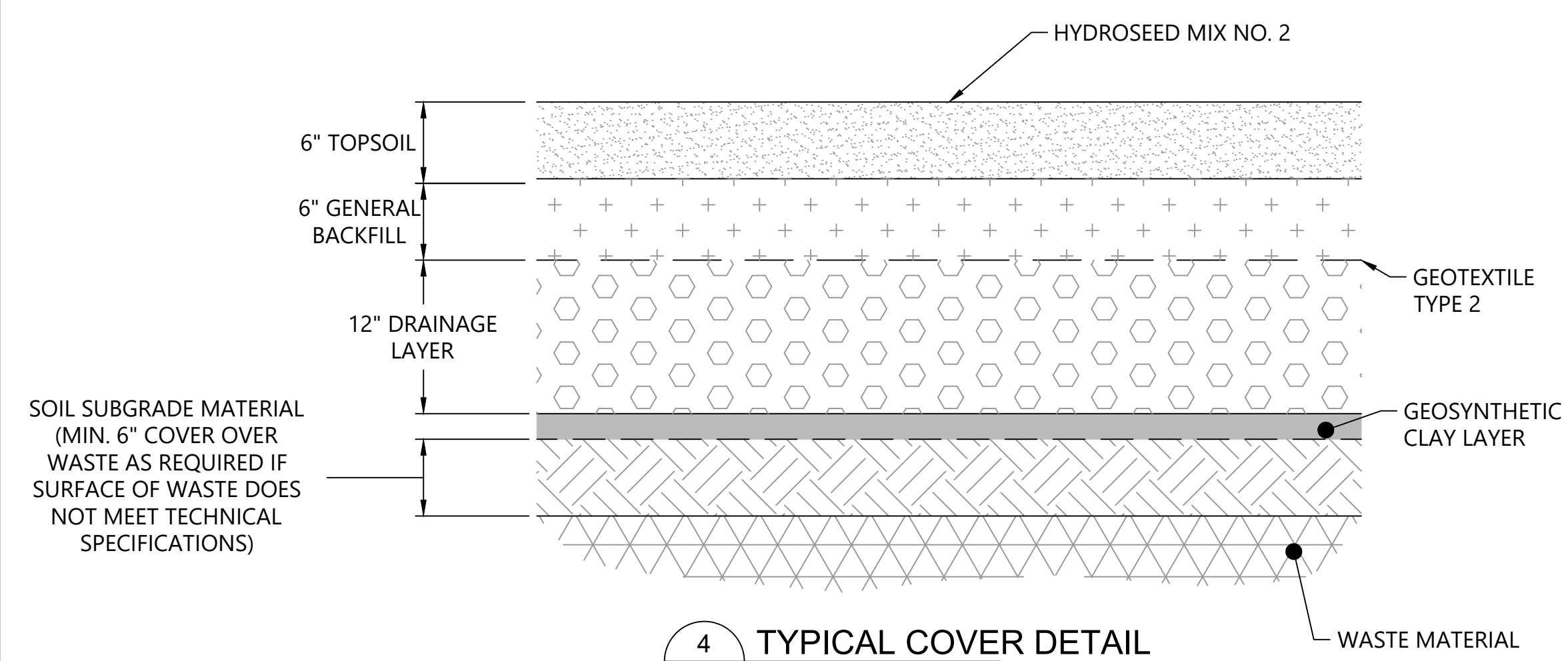
**1 WEST LANDFILL COVER - SOUTH TIE-IN**  
C-08/C-09 SCALE: NOT TO SCALE



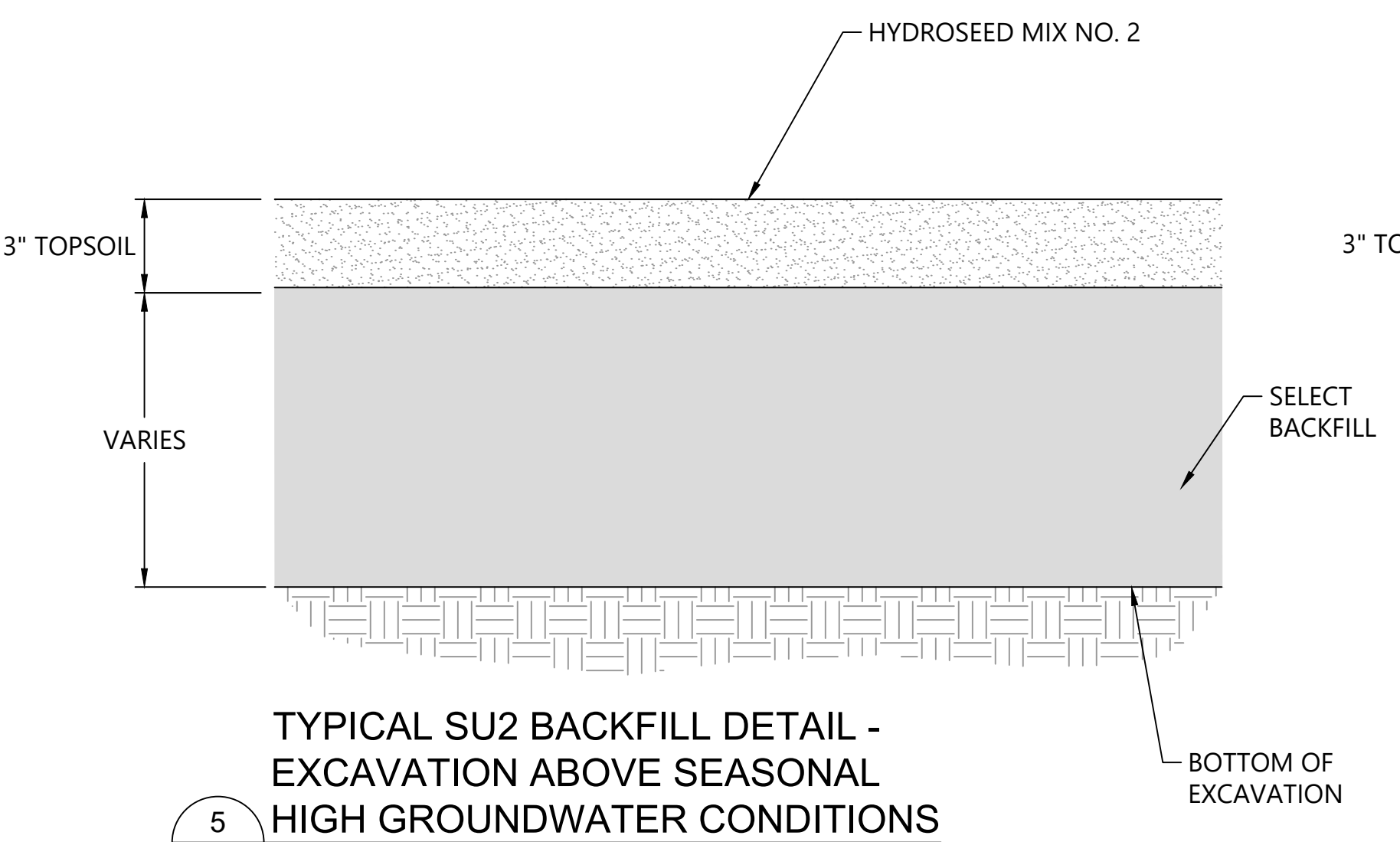
**2 WEST LANDFILL COVER - WEST TIE-IN**  
C-08 SCALE: 1" = 10'



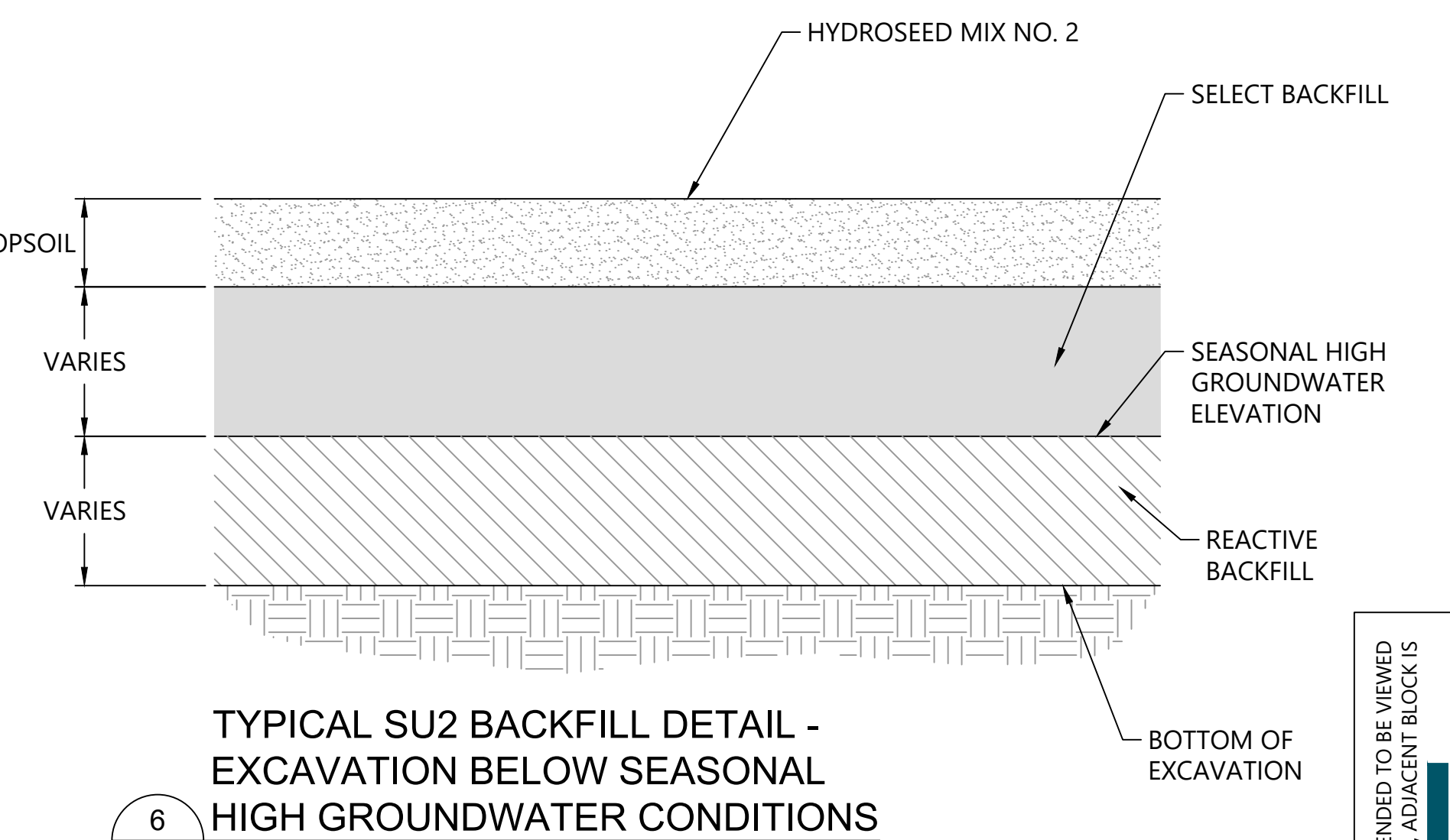
**3 TYPICAL PERIMETER DITCH - EAST**  
C-08 SCALE: 1" = 10'  
NOTE: GCL MUST EXTEND TO THE BOTTOM TOE OF THE EXCAVATED SLOPE. LINE PERIMETER DITCH LONGITUDINALLY WITH MULTIPLE GCL ROLLS AND OVERLAP WITH PRIMARY GCL COVER.



**4 TYPICAL COVER DETAIL**  
C-09 SCALE: NTS  
NOTE: ALL LAYERS MUST BE PLACED AT A MINIMUM GRADE AS SHOWN ON DRAWING C-09.



**5 TYPICAL SU2 BACKFILL DETAIL - EXCAVATION ABOVE SEASONAL HIGH GROUNDWATER CONDITIONS**  
C-10 SCALE: NTS



**6 TYPICAL SU2 BACKFILL DETAIL - EXCAVATION BELOW SEASONAL HIGH GROUNDWATER CONDITIONS**  
C-10 SCALE: NTS

ONE INCH  
AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY  
PLAN INTENDED TO BE VIEWED IN COLOR, ADJACENT BLOCK IS "BLUE"

**ISSUED FOR CONSTRUCTION**



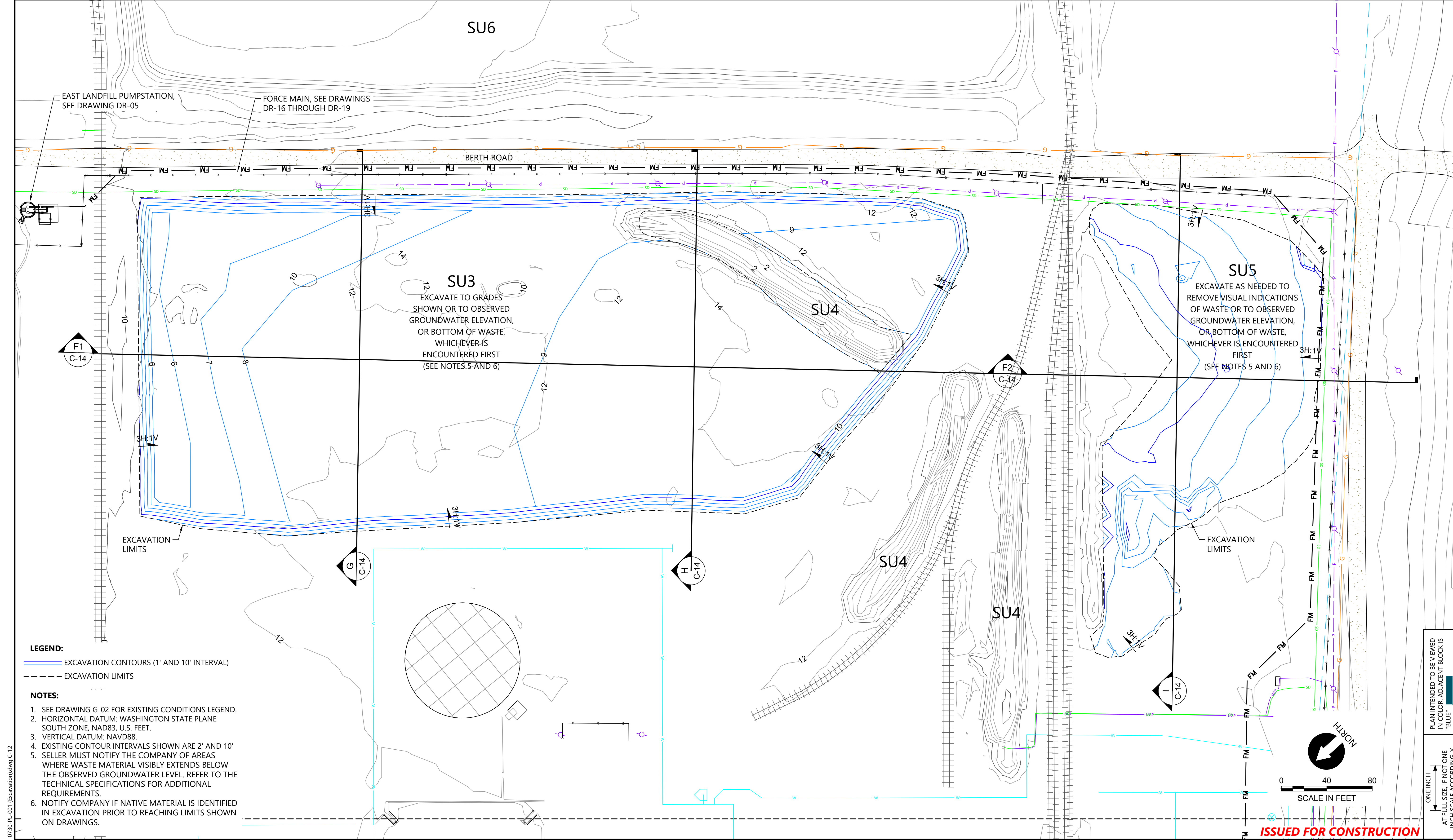
REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
Δ	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
DRAWN BY: C. HEWETT  
CHECKED BY: K. SKELLENGER  
APPROVED BY: R. DESROSIERS  
SCALE: AS NOTED  
DATE: FEBRUARY 2023

**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**  
**FINAL BACKFILL AND COVER DETAILS - WEST LANDFILL**

**C-11**  
SHEET # **39** OF **114**





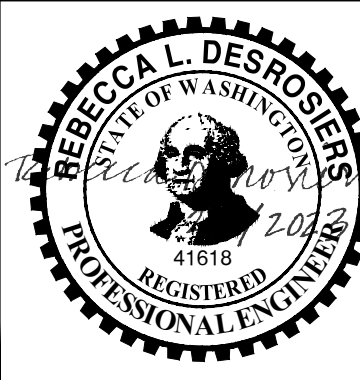
**LEGEND:**  
 — EXCAVATION CONTOURS (1' AND 10' INTERVAL)  
 - - - EXCAVATION LIMITS

- NOTES:**
- SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
  - HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
  - VERTICAL DATUM: NAVD88.
  - EXISTING CONTOUR INTERVALS SHOWN ARE 2' AND 10'
  - SELLER MUST NOTIFY THE COMPANY OF AREAS WHERE WASTE MATERIAL VISIBLY EXTENDS BELOW THE OBSERVED GROUNDWATER LEVEL. REFER TO THE TECHNICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
  - NOTIFY COMPANY IF NATIVE MATERIAL IS IDENTIFIED IN EXCAVATION PRIOR TO REACHING LIMITS SHOWN ON DRAWINGS.

**ISSUED FOR CONSTRUCTION**

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY

0730-PL-001 (Excavation)dwg C-12



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
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 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

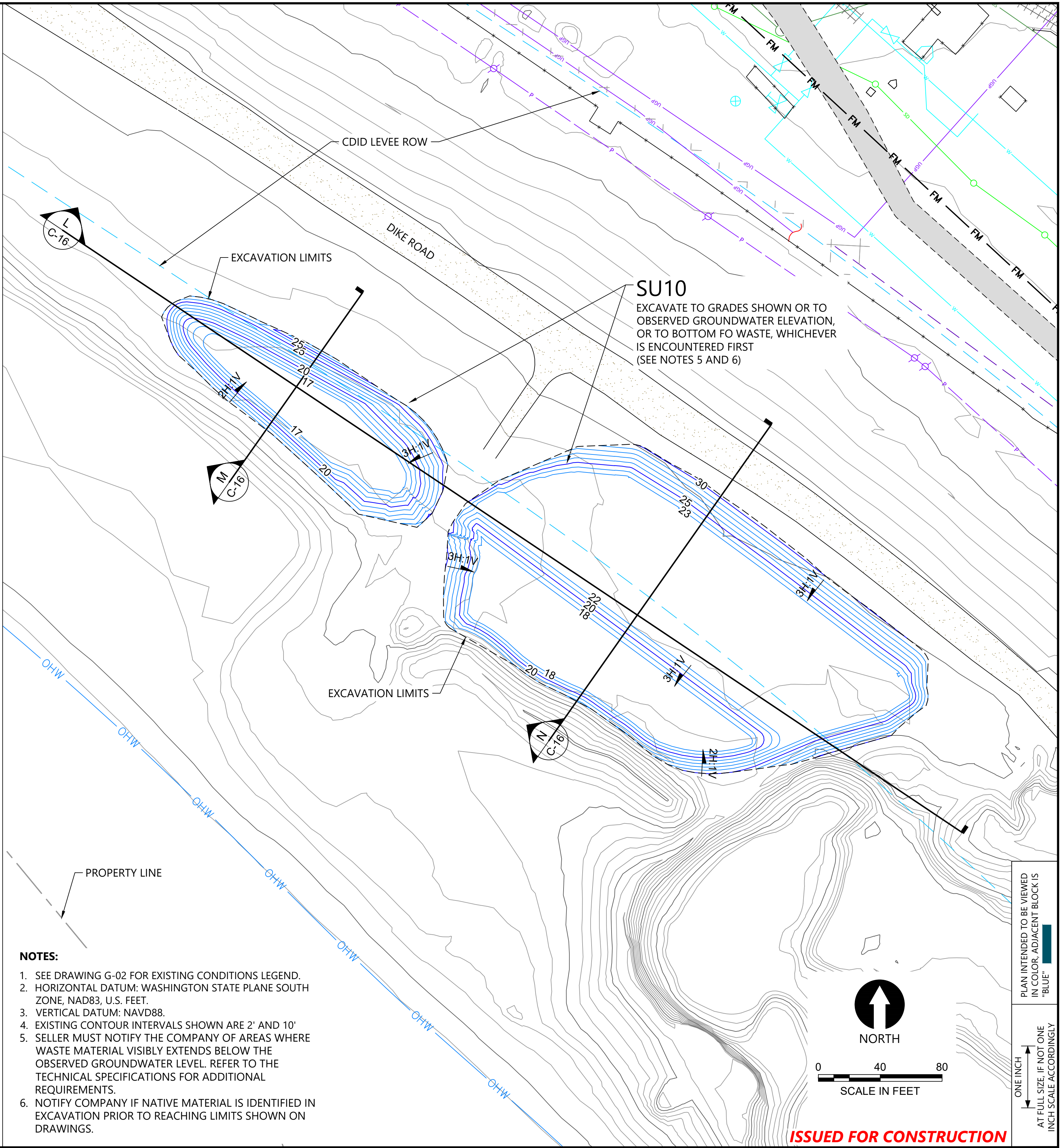
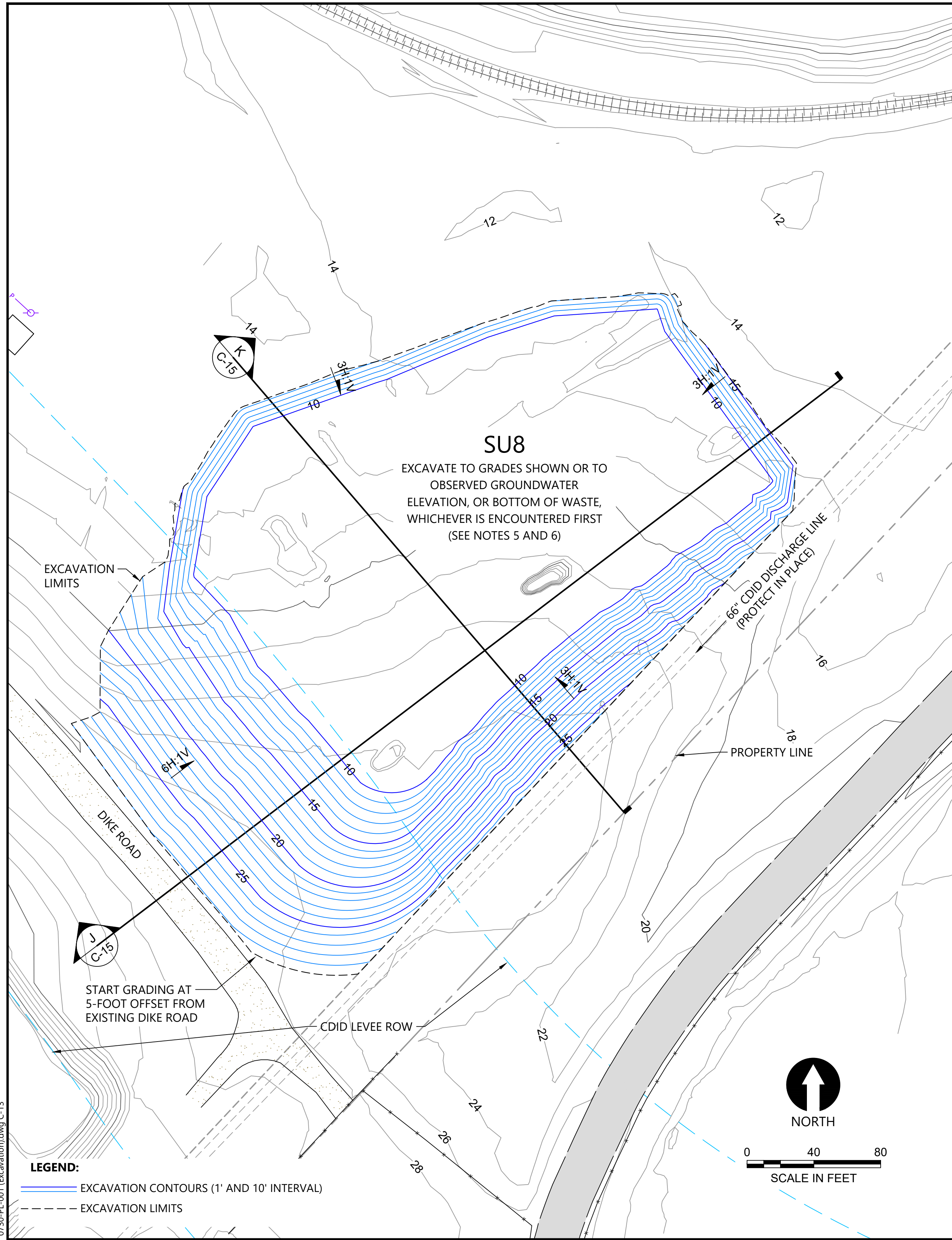
**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**

**EXCAVATION PLAN - SU3 AND SU5**

**C-12**

SHEET # 40 OF 114





**NOTES:**

1. SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
2. HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
3. VERTICAL DATUM: NAVD88.
4. EXISTING CONTOUR INTERVALS SHOWN ARE 2' AND 10'.
5. SELLER MUST NOTIFY THE COMPANY OF AREAS WHERE WASTE MATERIAL VISIBLY EXTENDS BELOW THE OBSERVED GROUNDWATER LEVEL. REFER TO THE TECHNICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
6. NOTIFY COMPANY IF NATIVE MATERIAL IS IDENTIFIED IN EXCAVATION PRIOR TO REACHING LIMITS SHOWN ON DRAWINGS.

0730-PL-001 (Excavation)dwg C-13  
Jan 31, 2023 10:54pm chewett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

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 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

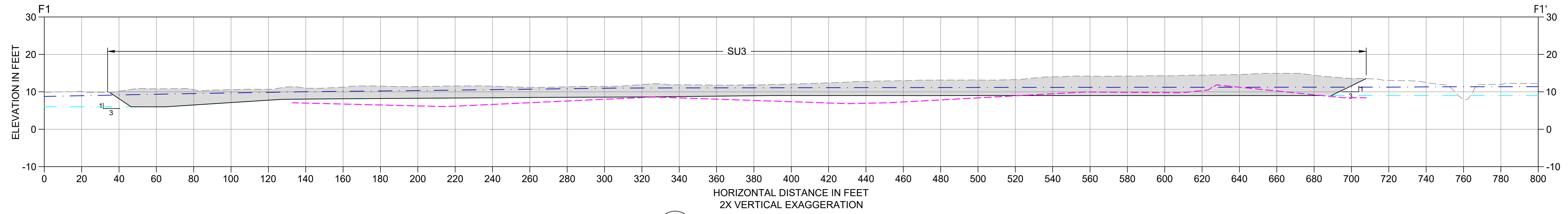
**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**  
**EXCAVATION PLAN - SU8 AND SU10**

**C-13**  
 SHEET # 41 OF 114

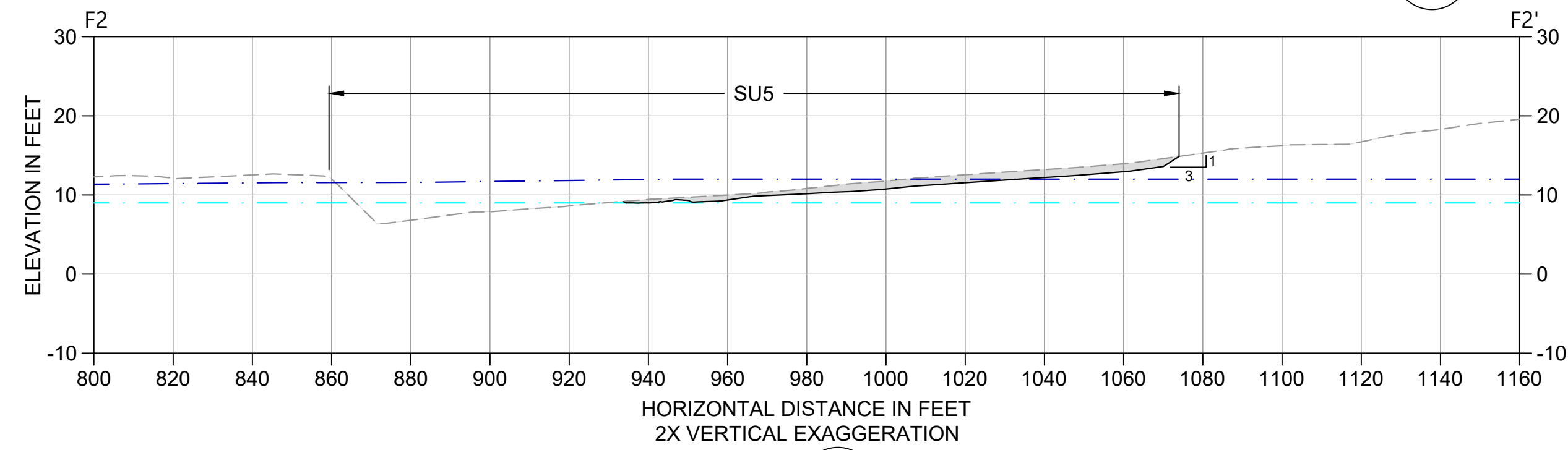
**ISSUED FOR CONSTRUCTION**

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY

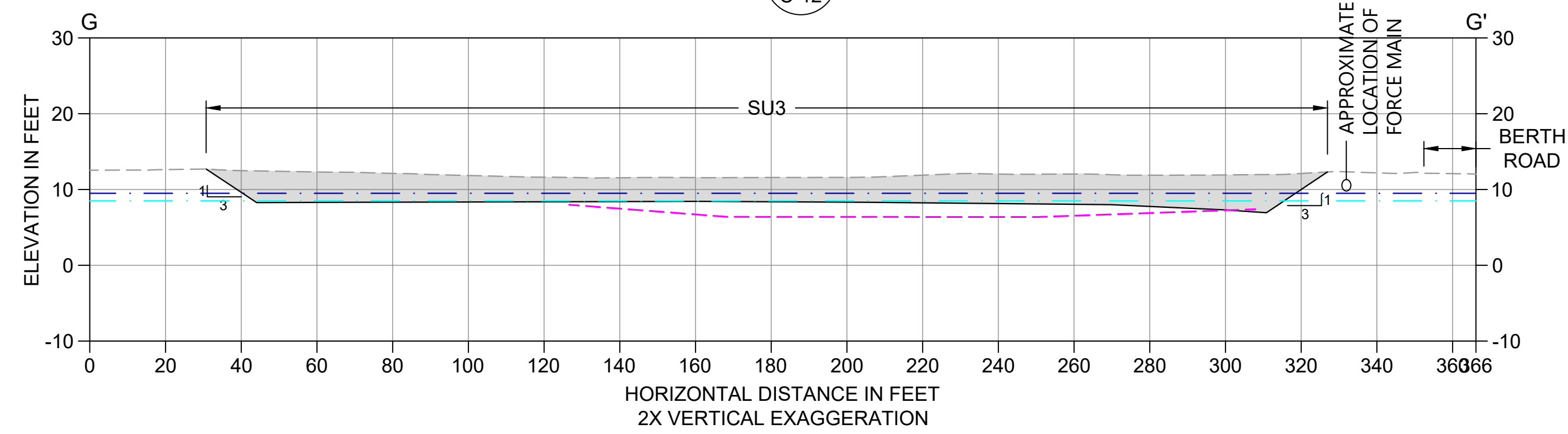




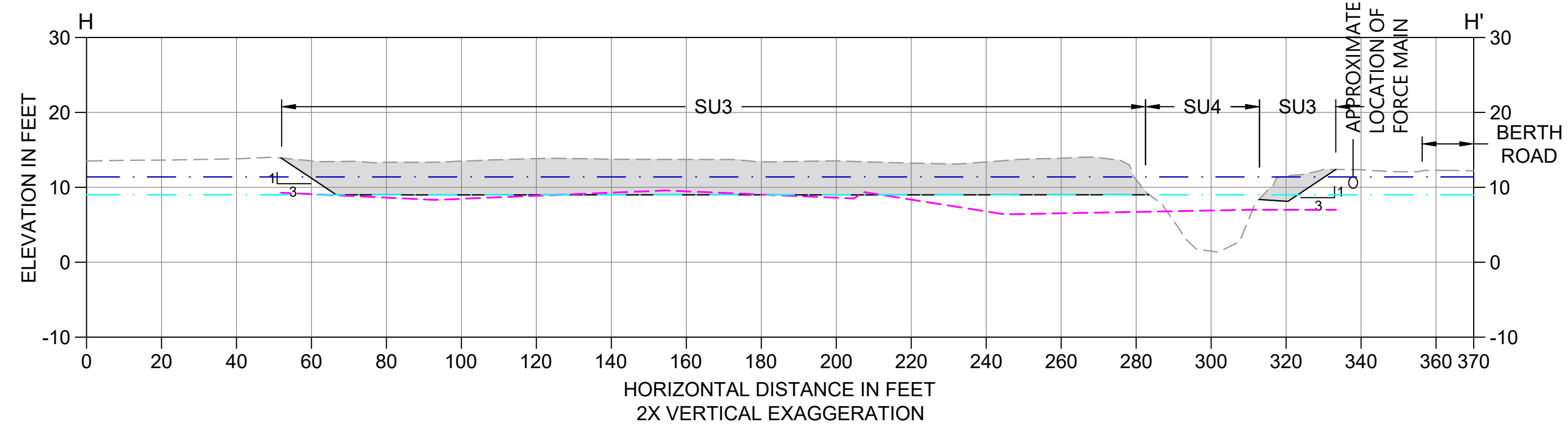
**F1 SECTION**  
C-12 SCALE: 1" = 30'



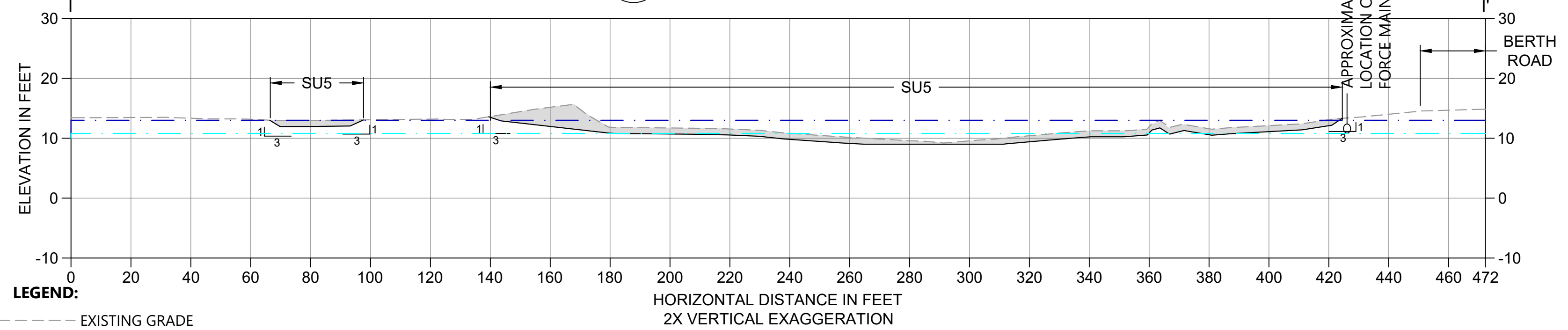
**F2 SECTION**  
C-12 SCALE: 1" = 30'



**G SECTION**  
C-12 SCALE: 1" = 30'



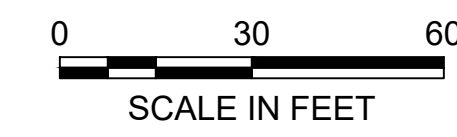
**H SECTION**  
C-12 SCALE: 1" = 30'



**I SECTION**  
C-12 SCALE: 1" = 30'

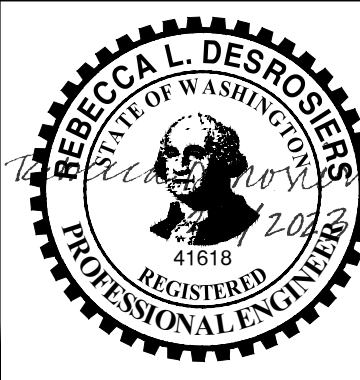
- LEGEND:**
- EXISTING GRADE
  - DESIGN EXCAVATION GRADE
  - █ EXCAVATION AREA
  - - - SEASONAL HIGH GROUNDWATER ELEVATION
  - - - SEASONAL LOW GROUNDWATER ELEVATION
  - - - APPROXIMATE DEPTH OF WASTE MATERIAL

- NOTES:**
1. SELLER MUST NOTIFY THE COMPANY OF AREAS WHERE WASTE MATERIAL VISIBLY EXTENDS BELOW THE OBSERVED GROUNDWATER LEVEL. REFER TO THE TECHNICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
  2. BOTTOM OF WASTE MATERIAL IS NOT EXPECTED TO EXTEND BELOW THE SEASONAL LOW GROUNDWATER ELEVATION, EXCEPT AS SHOWN ON CROSS SECTIONS IN SU3.
  3. NOTIFY COMPANY IF NATIVE MATERIAL IS IDENTIFIED IN EXCAVATION PRIOR TO REACHING LIMITS SHOWN ON DRAWINGS.



**ISSUED FOR CONSTRUCTION**

0730-PL-001\_Excavation.dwg C-14 Jan 31, 2023 10:55pm chewett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**

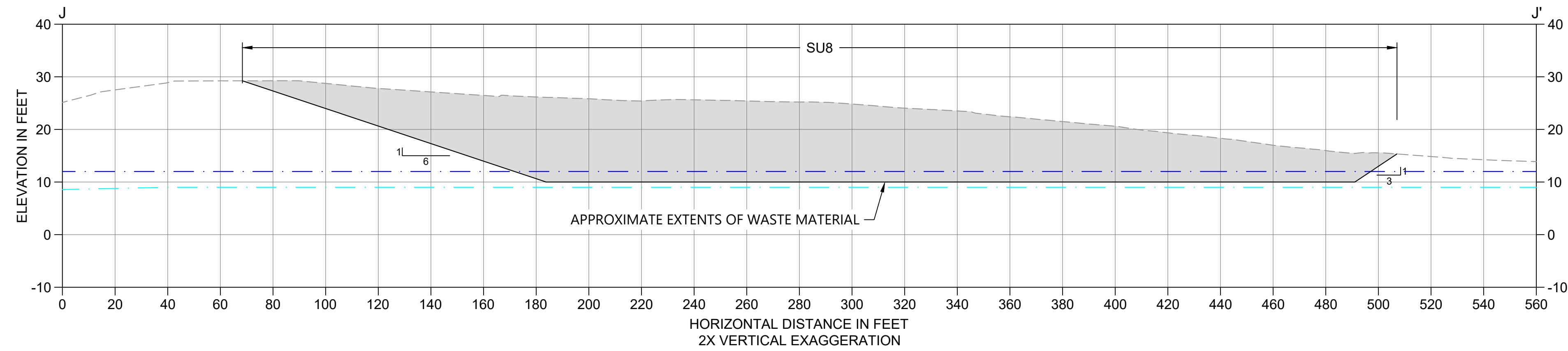
**EXCAVATION SECTIONS - SU3 AND SU5**

**C-14**

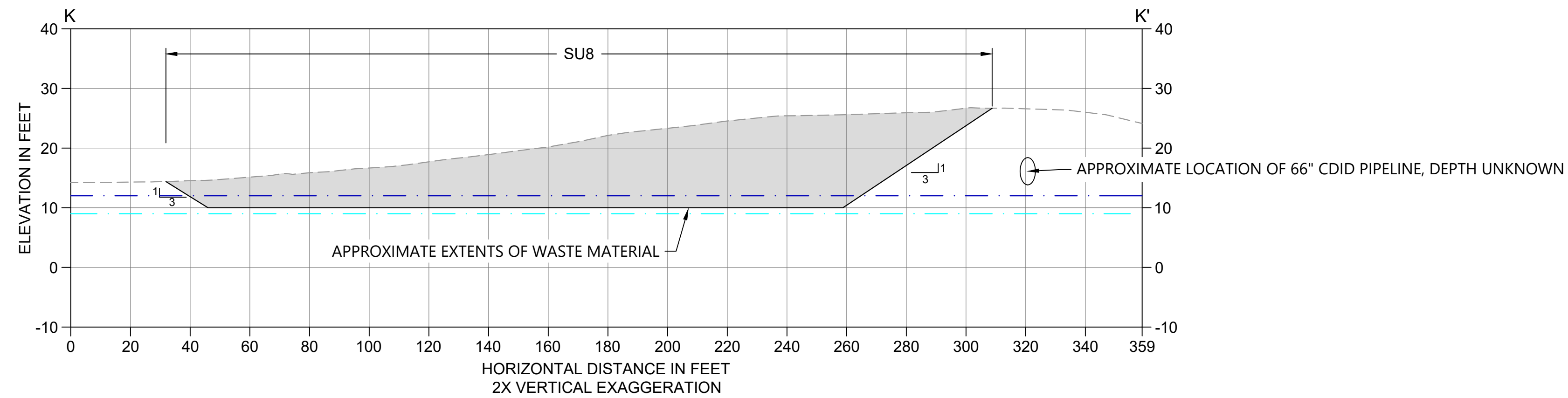
SHEET # **42** OF **114**

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY  
PLAN INTENDED TO BE VIEWED IN COLOR, ADJACENT BLOCK IS "BLUE"





**J SECTION**  
C-13 SCALE: 1" = 30'



**K SECTION**  
C-13 SCALE: 1" = 30'

**NOTES:**

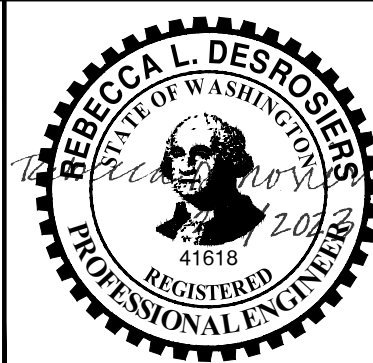
1. SELLER MUST NOTIFY THE COMPANY OF AREAS WHERE WASTE MATERIAL VISIBLY EXTENDS BELOW THE OBSERVED GROUNDWATER LEVEL. REFER TO THE TECHNICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. BOTTOM OF WASTE MATERIAL IS NOT EXPECTED TO EXTEND BELOW THE SEASONAL LOW GROUNDWATER ELEVATION.
3. NOTIFY COMPANY IF NATIVE MATERIAL IS IDENTIFIED IN EXCAVATION PRIOR TO REACHING LIMITS SHOWN ON DRAWINGS.

- LEGEND:**
- EXISTING GRADE
  - DESIGN EXCAVATION GRADE
  - █ EXCAVATION AREA
  - - - - SEASONAL HIGH GROUNDWATER ELEVATION
  - - - - SEASONAL LOW GROUNDWATER ELEVATION



**ISSUED FOR CONSTRUCTION**

0720-PL-001 Excavation.dwg C-15 Jan 31, 2023 10:55pm chewett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**

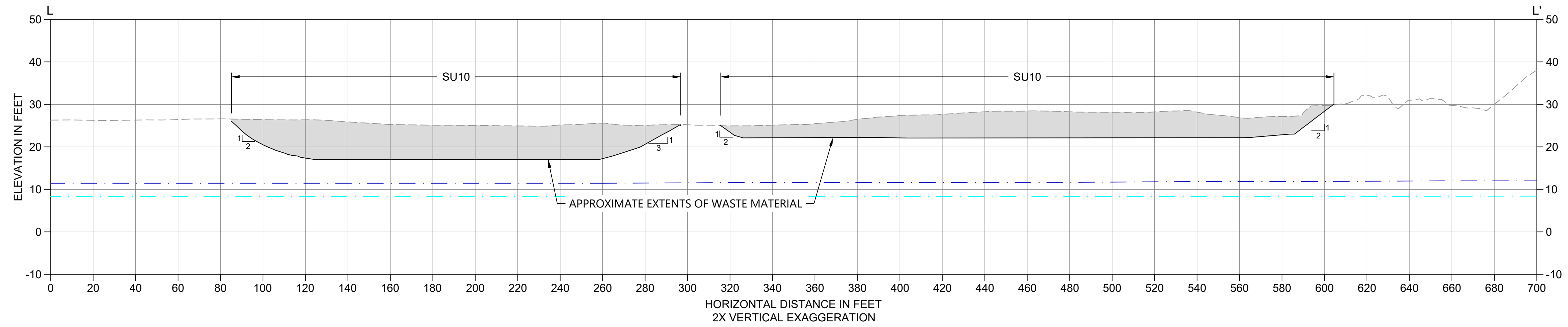
**EXCAVATION SECTIONS - SU8**

**C-15**

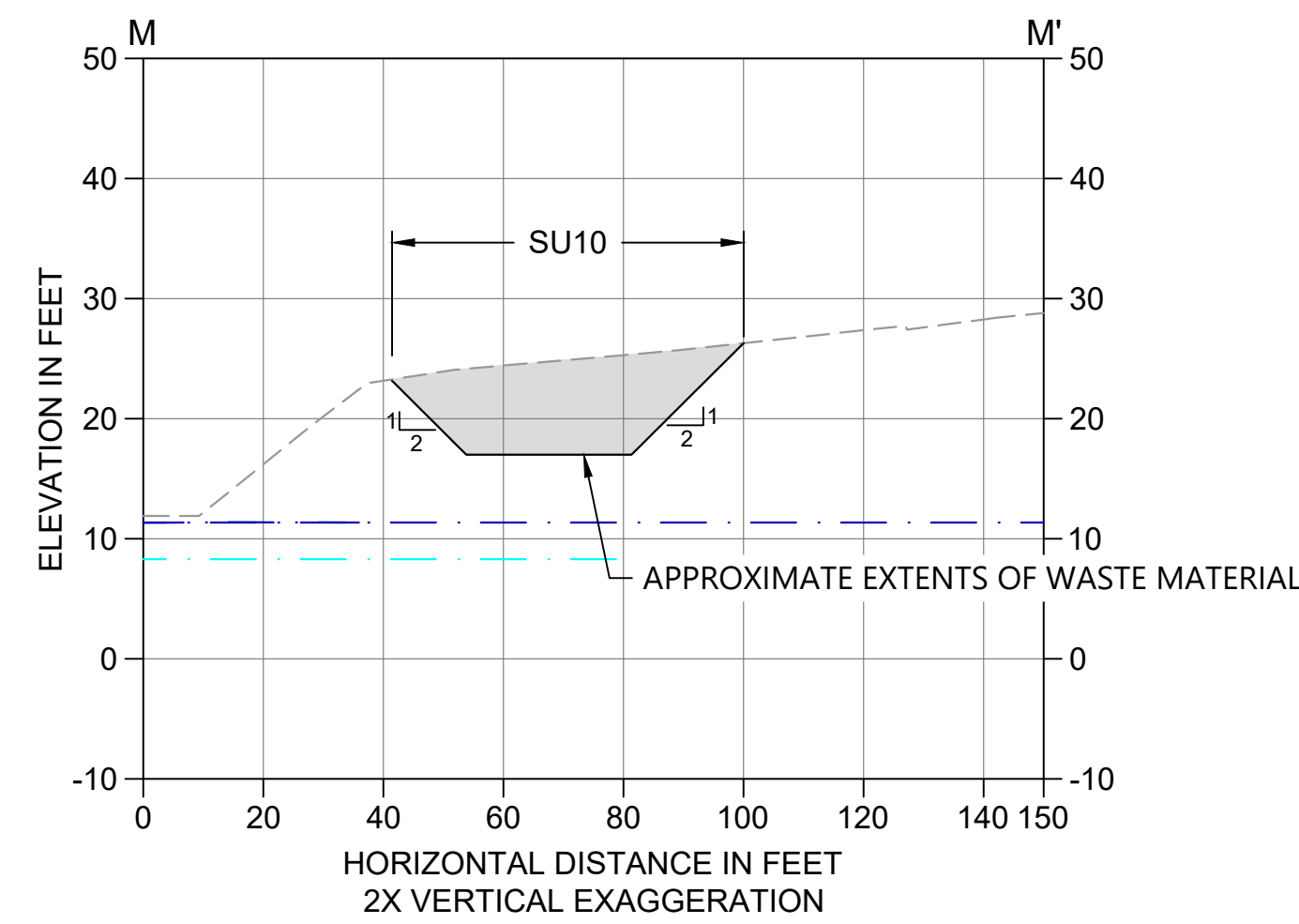
SHEET # **43** OF **114**

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" ONE INCH AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY

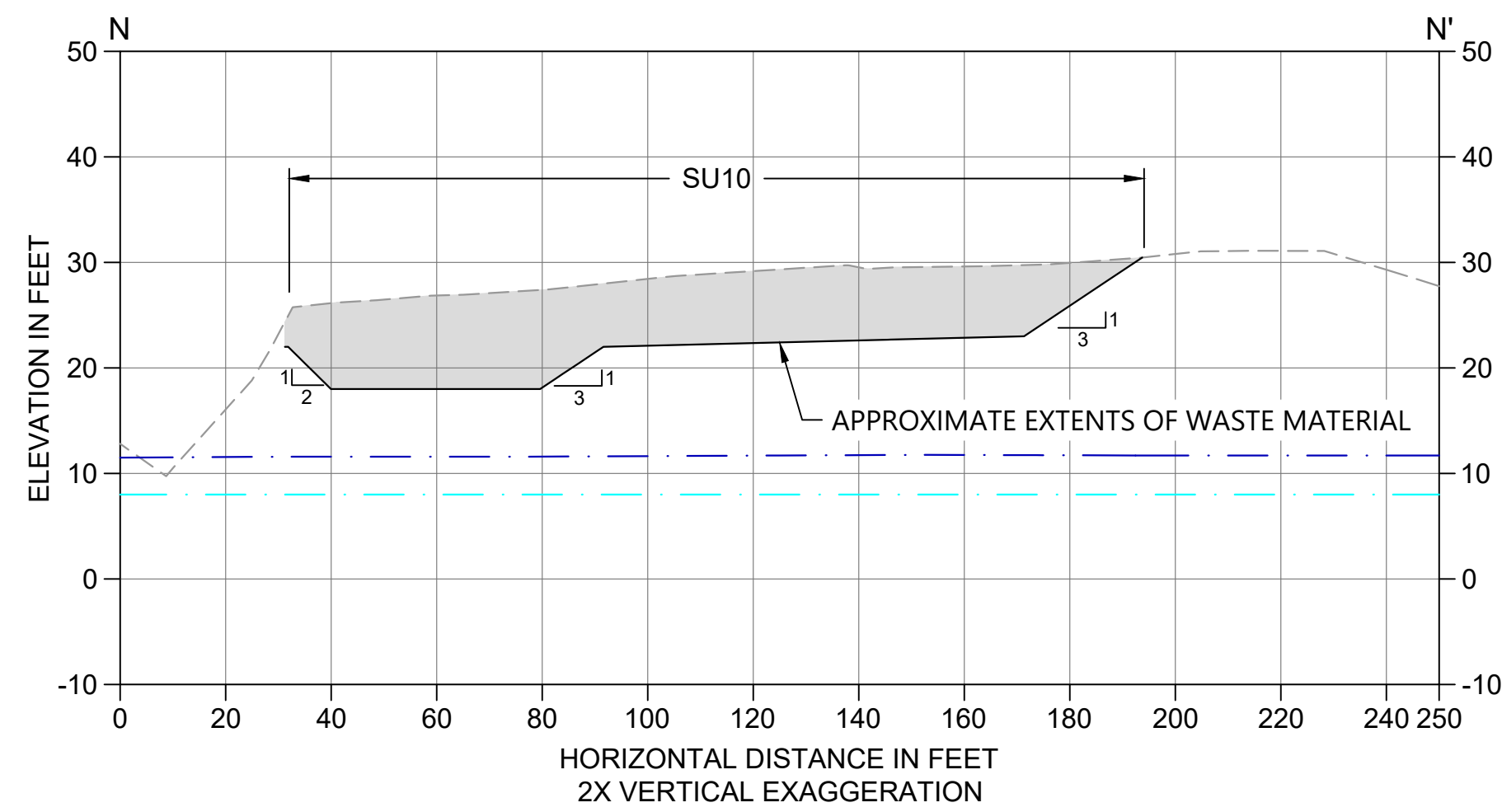




**L SECTION**  
C-13 SCALE: 1" = 30'



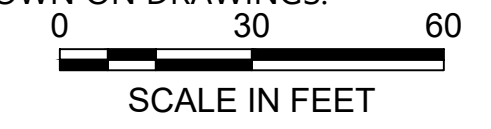
**M SECTION**  
C-13 SCALE: 1" = 30'



**N SECTION**  
C-13 SCALE: 1" = 30'

- LEGEND:**
- EXISTING GRADE
  - DESIGN EXCAVATION GRADE
  - █ EXCAVATION AREA
  - SEASONAL HIGH GROUNDWATER ELEVATION
  - SEASONAL LOW GROUNDWATER ELEVATION

- NOTES:**
1. SELLER MUST NOTIFY THE COMPANY OF AREAS WHERE WASTE MATERIAL VISIBLY EXTENDS BELOW THE OBSERVED GROUNDWATER LEVEL. REFER TO THE TECHNICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
  2. BOTTOM OF WASTE MATERIAL IS NOT EXPECTED TO EXTEND BELOW THE SEASONAL LOW GROUNDWATER ELEVATION.
  3. NOTIFY COMPANY IF NATIVE MATERIAL IS IDENTIFIED IN EXCAVATION PRIOR TO REACHING LIMITS SHOWN ON DRAWINGS.



**ISSUED FOR CONSTRUCTION**

0720-PL-001\_Excavation.dwg C-16 Jan 31, 2023 10:55pm ch Hewett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**

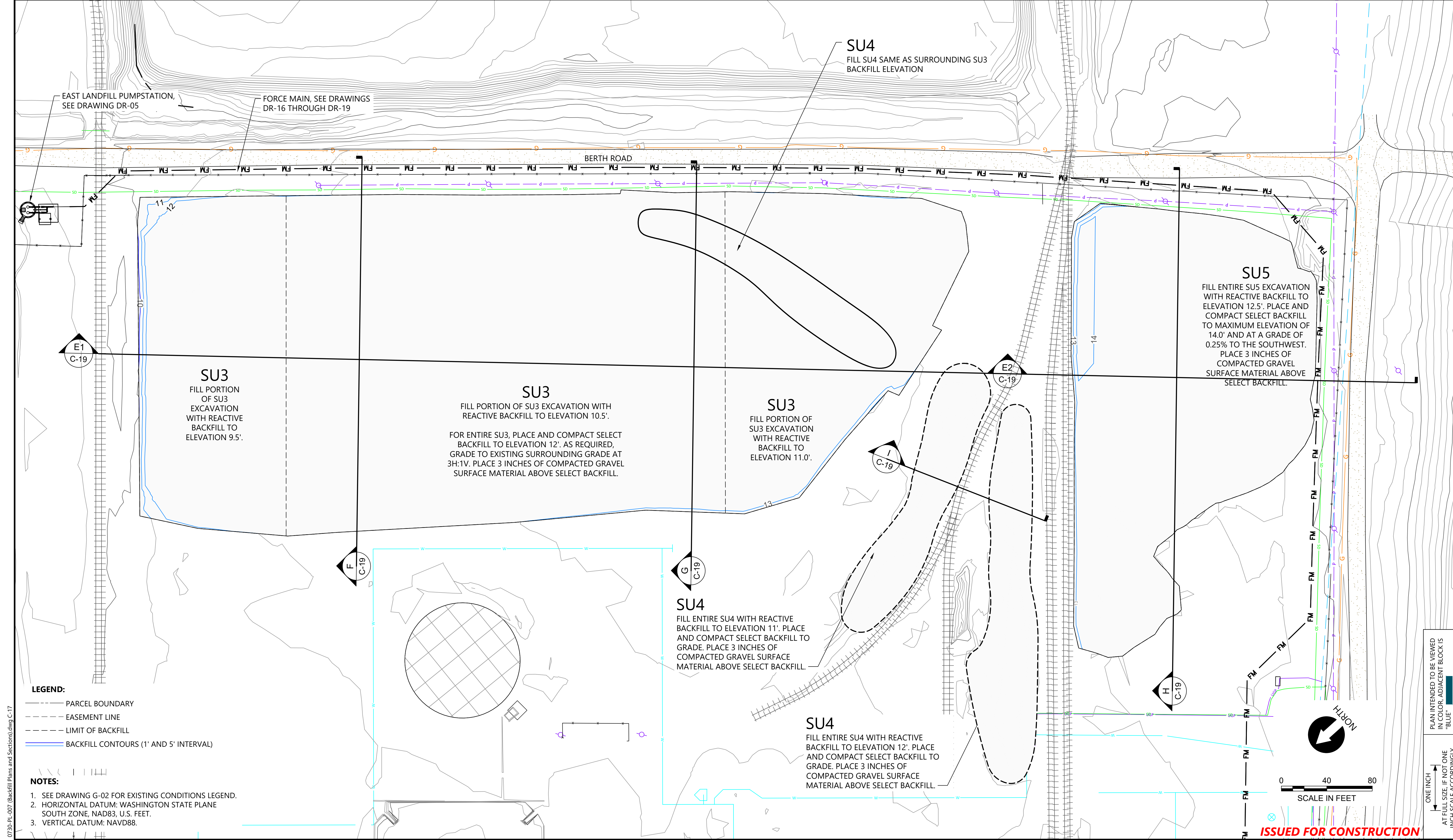
**EXCAVATION SECTIONS - SU10**

**C-16**

SHEET # **44** OF **114**

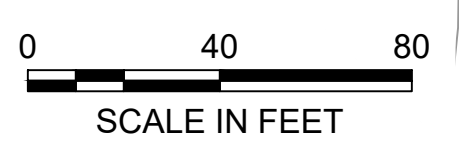
PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" ONE INCH AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY





0720-PL-007 (Backfill Plans and Sections).dwg C-17  
Jan 31, 2023 10:55pm chewett

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**

**BACKFILL PLAN - SU3, SU4, AND SU5**

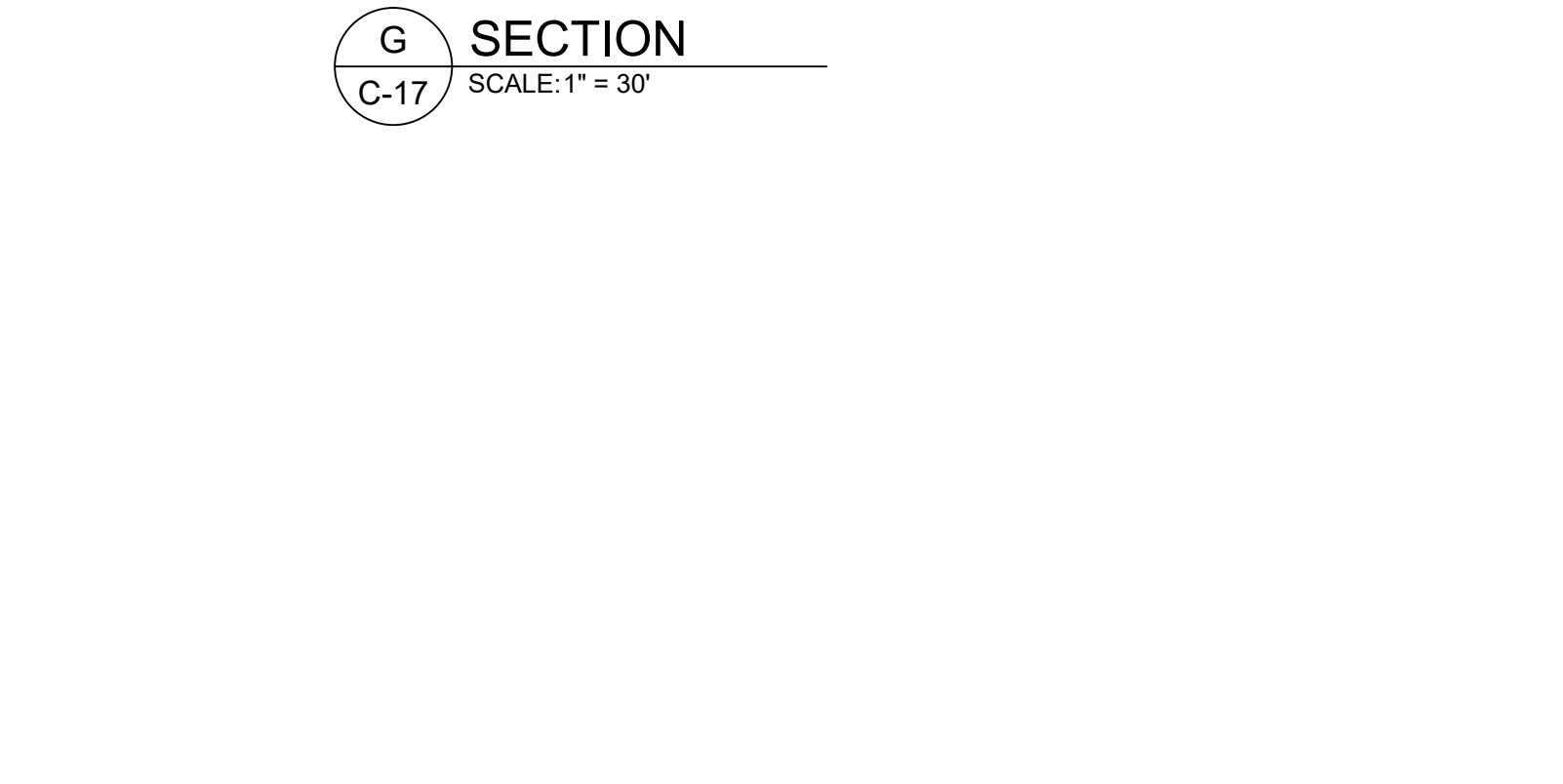
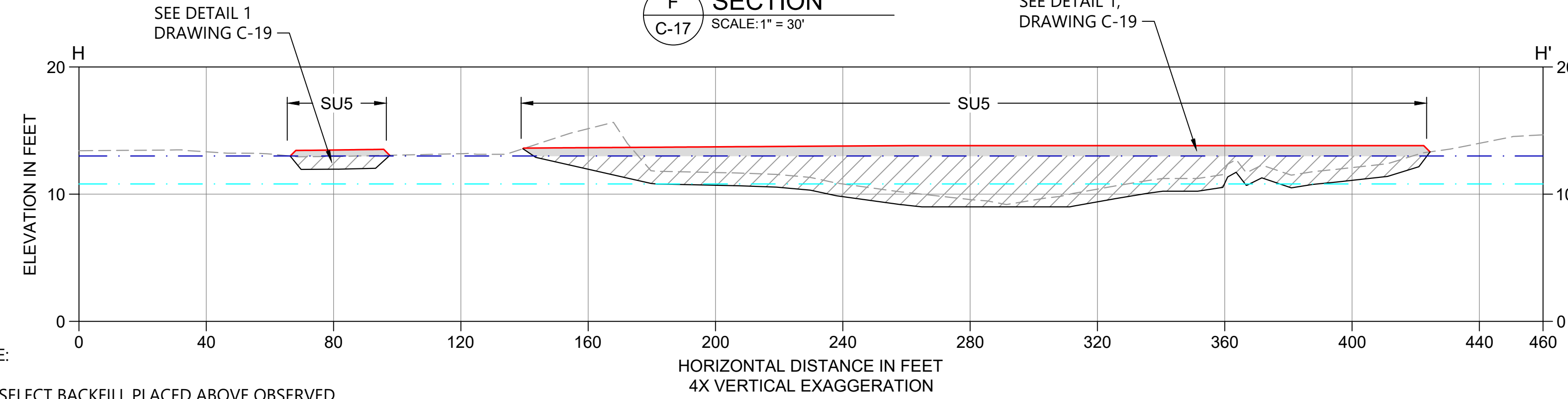
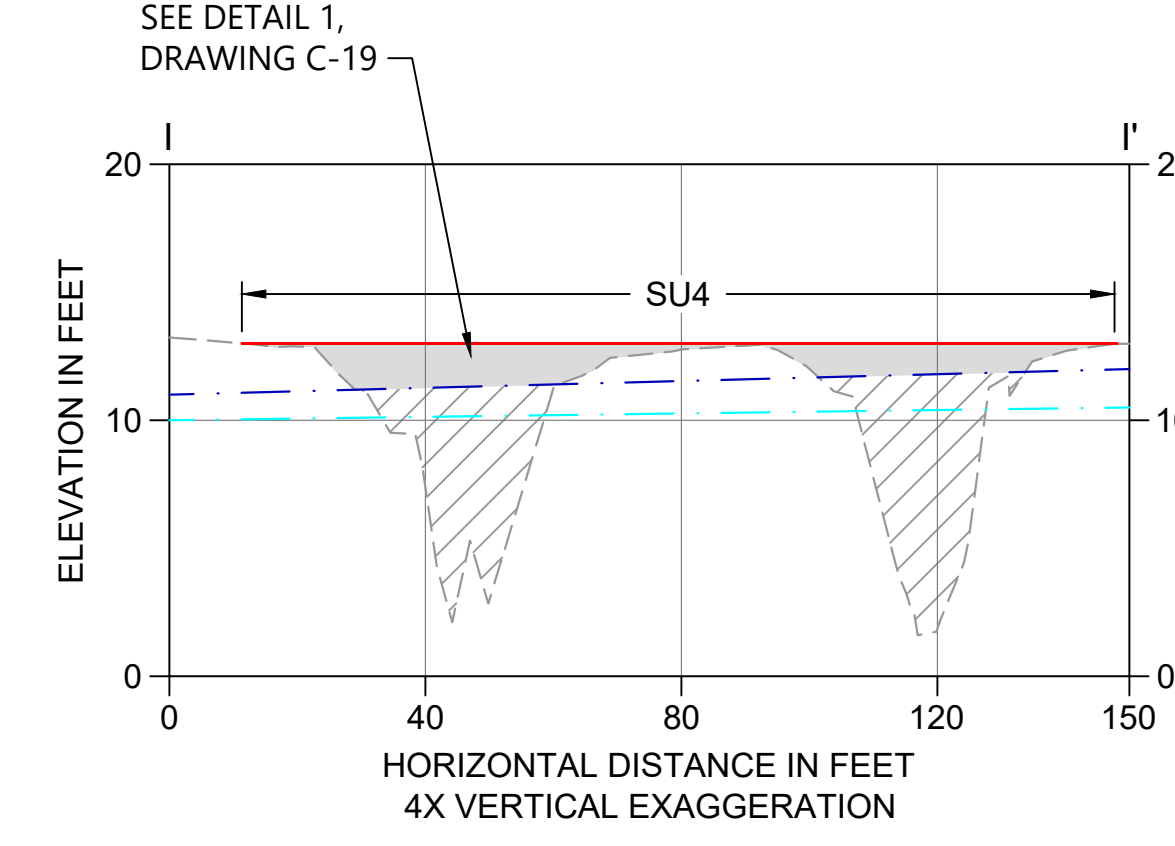
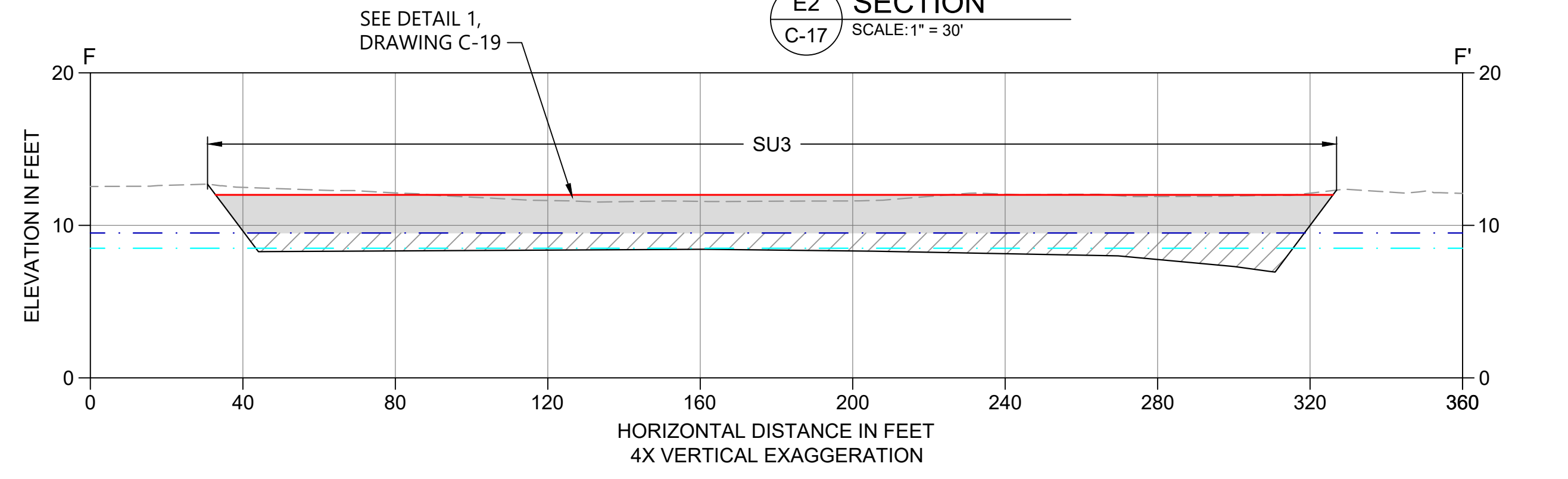
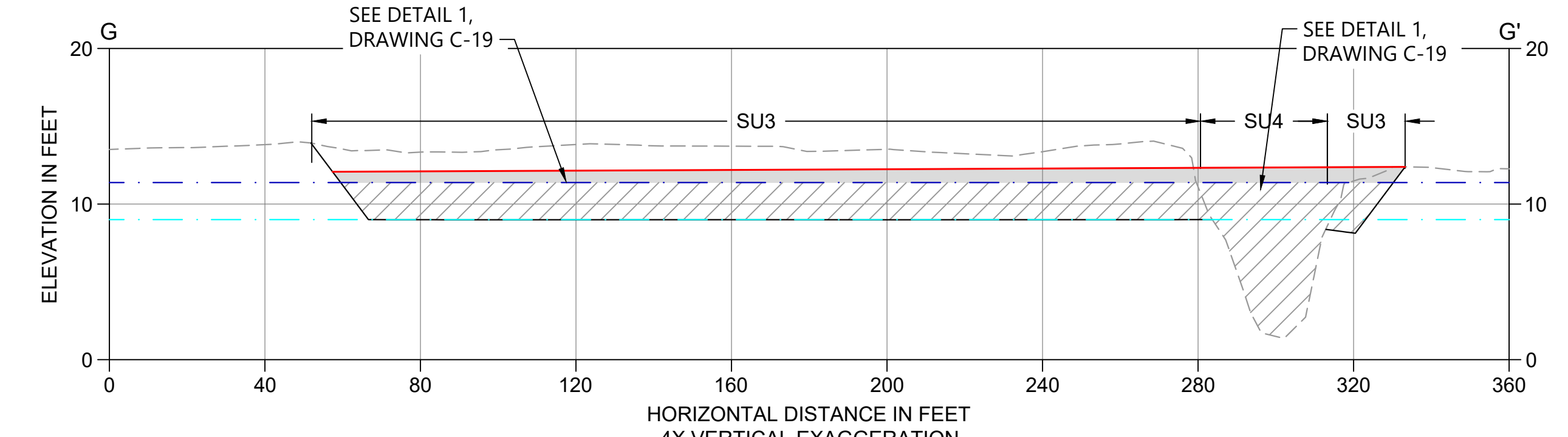
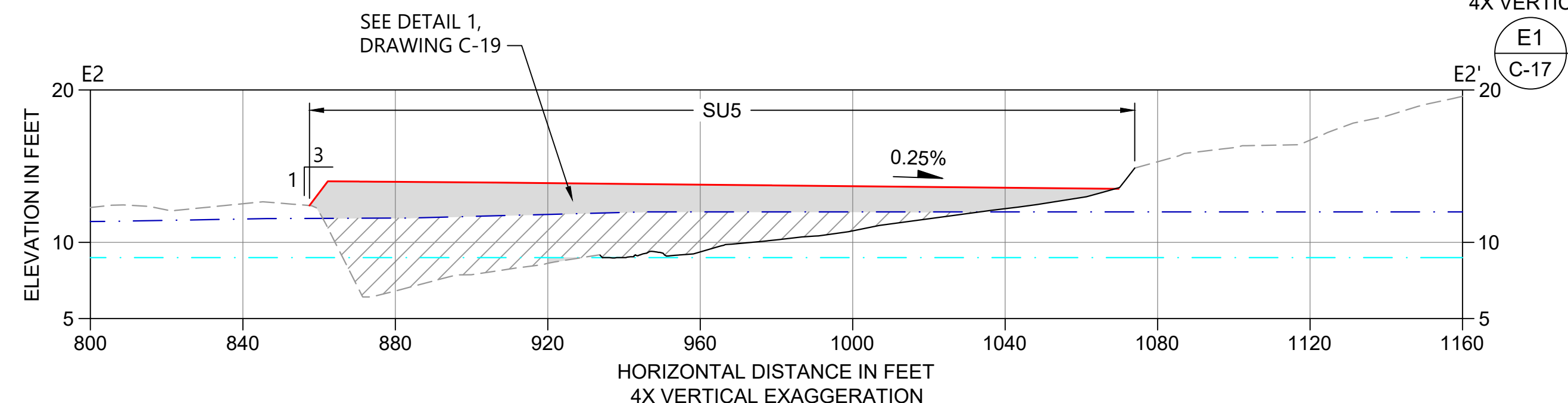
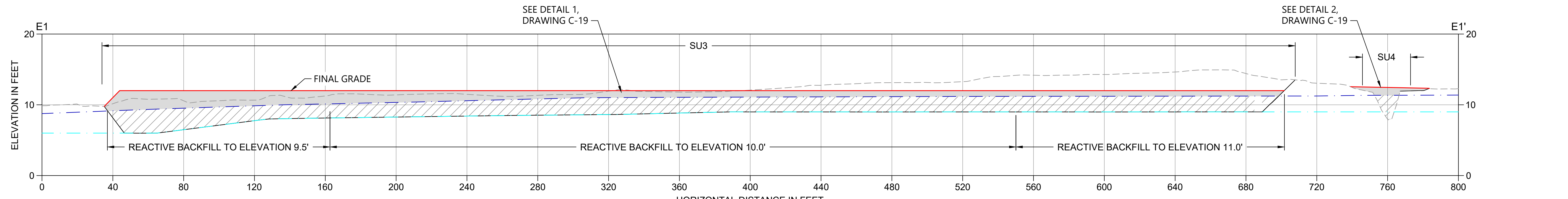
**C-17**

SHEET # 45 OF 114



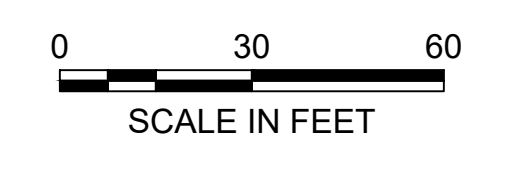






NOTE:  
1. SELECT BACKFILL PLACED ABOVE OBSERVED GROUNDWATER LEVEL MUST BE COMPACTED PER TECHNICAL SPECIFICATIONS.

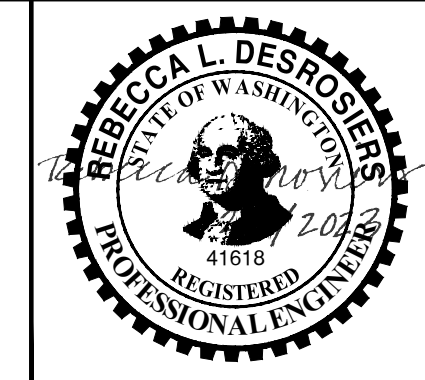
**LEGEND:**  
 - - - - - EXISTING GRADE  
 - - - - - PROPOSED EXCAVATION GRADE  
 - - - - - PROPOSED SELECT BACKFILL AND GRADE  
 / / / / / PROPOSED REACTIVE BACKFILL  
 - - - - - SEASONAL HIGH GROUNDWATER CONDITIONS  
 - - - - - SEASONAL LOW GROUNDWATER CONDITIONS



PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" SCALE ACCORDINGLY

**ISSUED FOR CONSTRUCTION**

0730-PL-007 (Backfill Plans and Sections).dwg C-19 Jan 31, 2023 10:55pm chewett



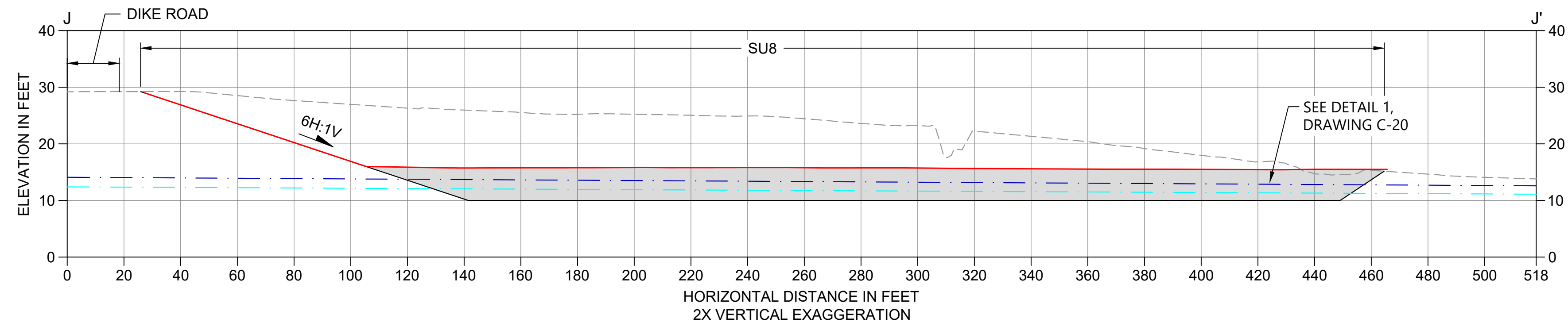
REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

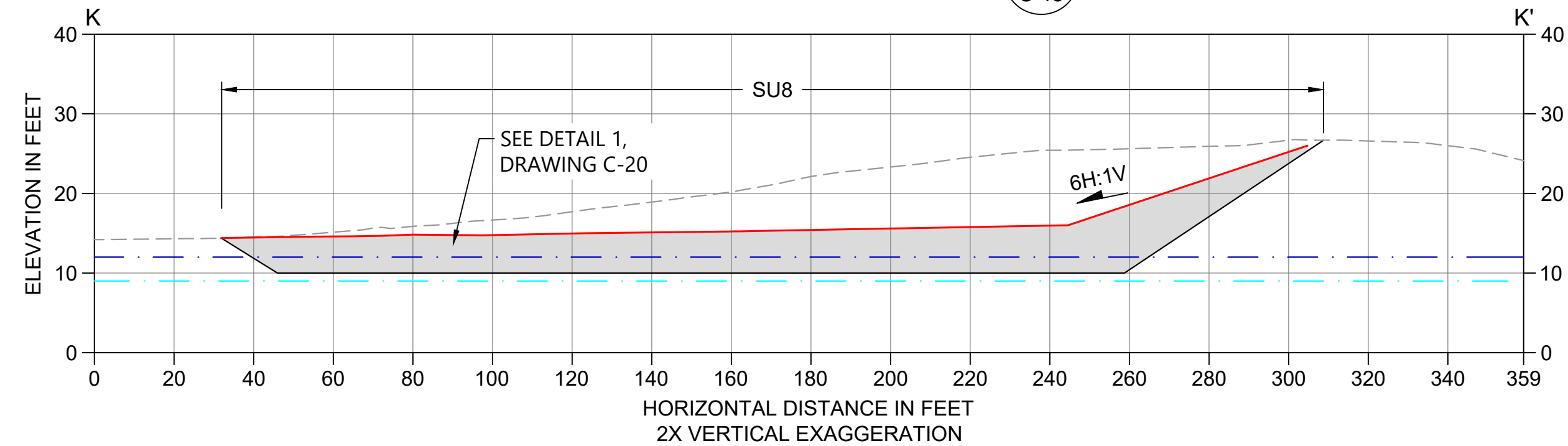
**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**  
**BACKFILL SECTIONS AND DETAILS - SU3, SU4, SU5**

**C-19**  
 SHEET # 47 OF 114

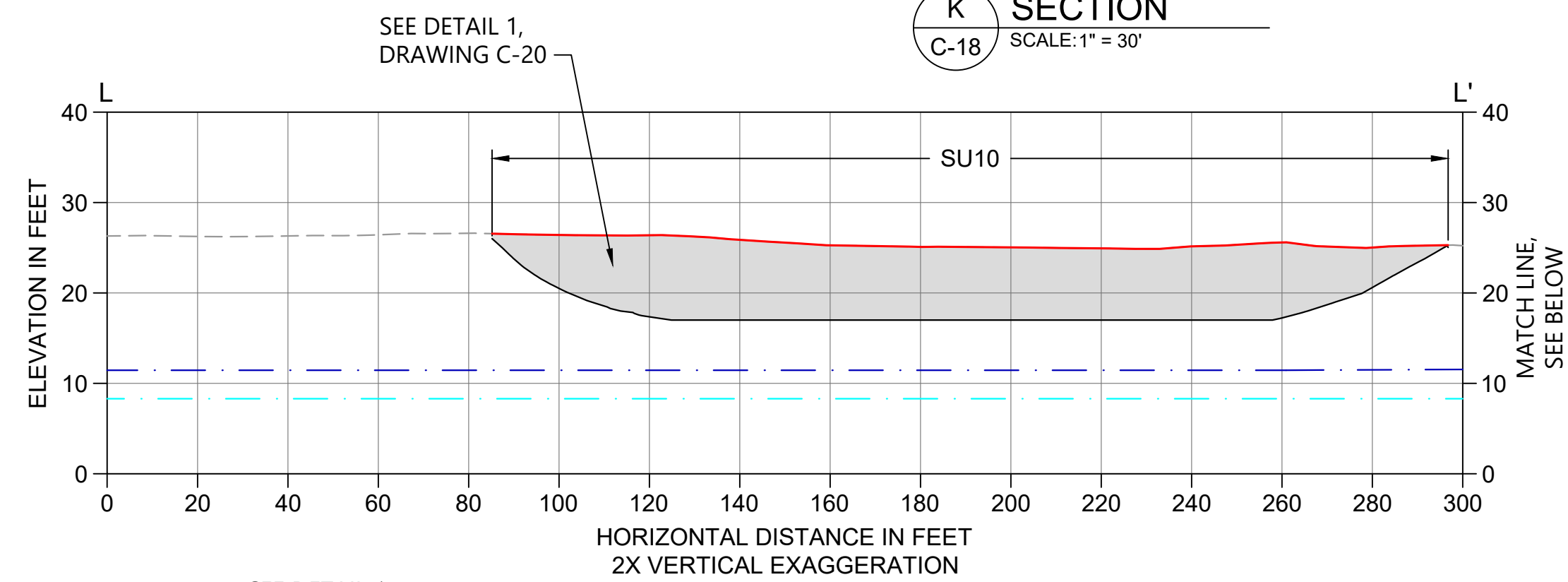




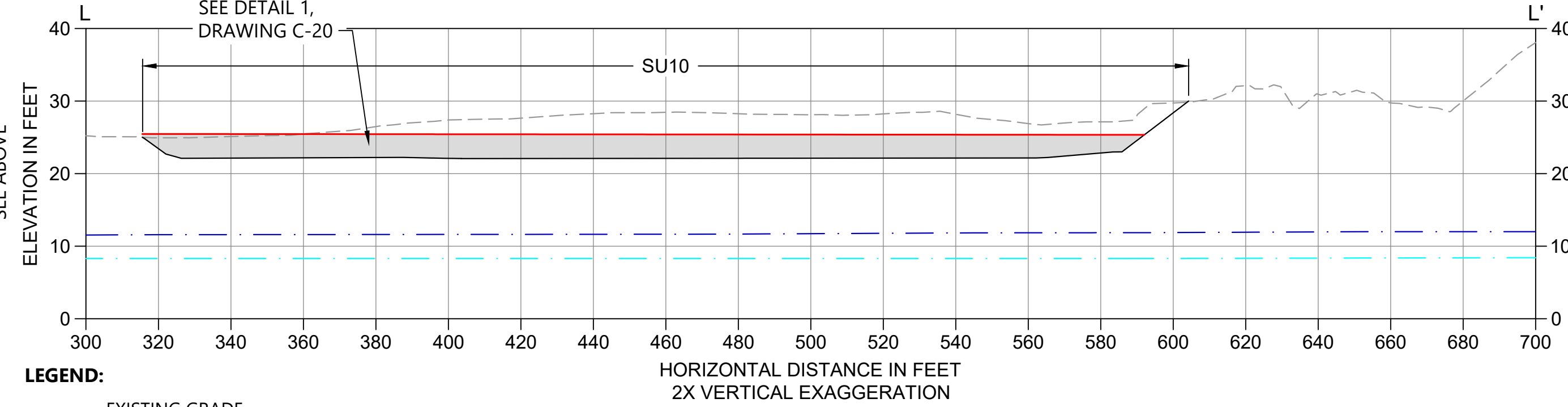
**J SECTION**  
C-18 SCALE: 1" = 30'



**K SECTION**  
C-18 SCALE: 1" = 30'



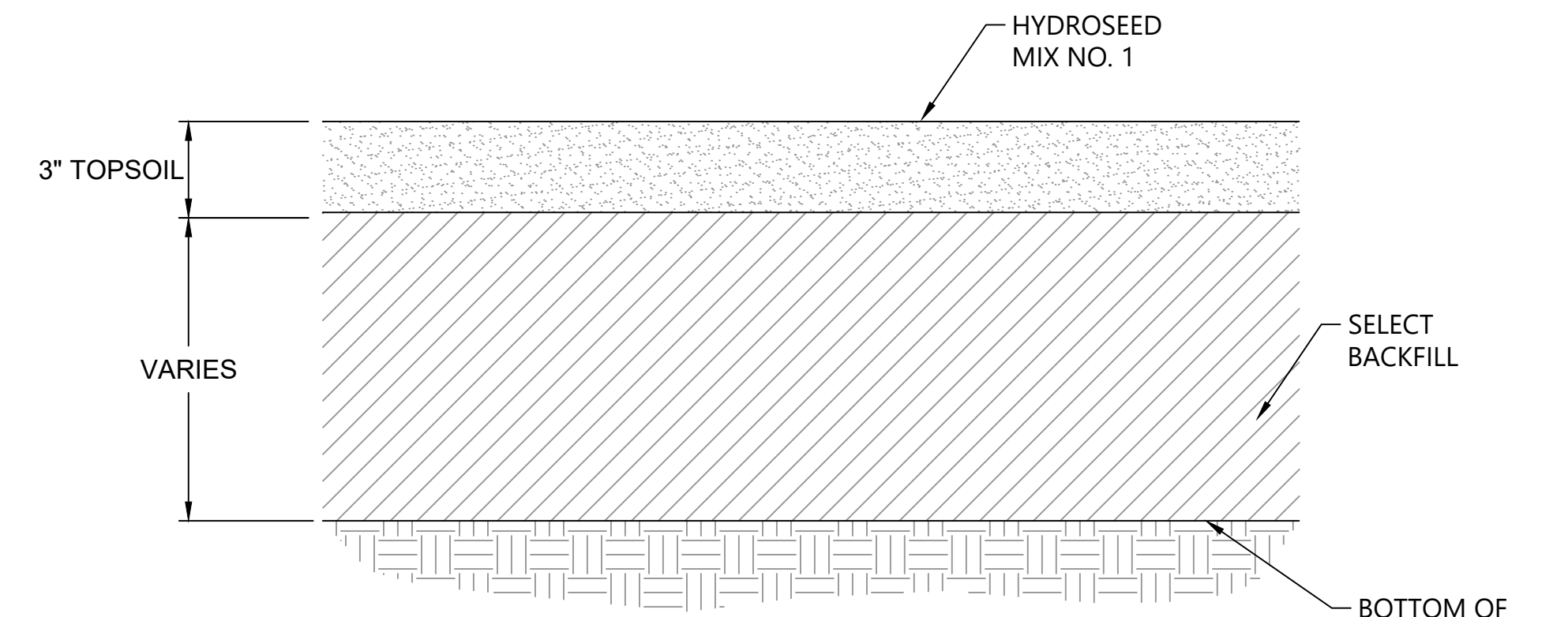
**L SECTION**  
C-18 SCALE: 1" = 30'



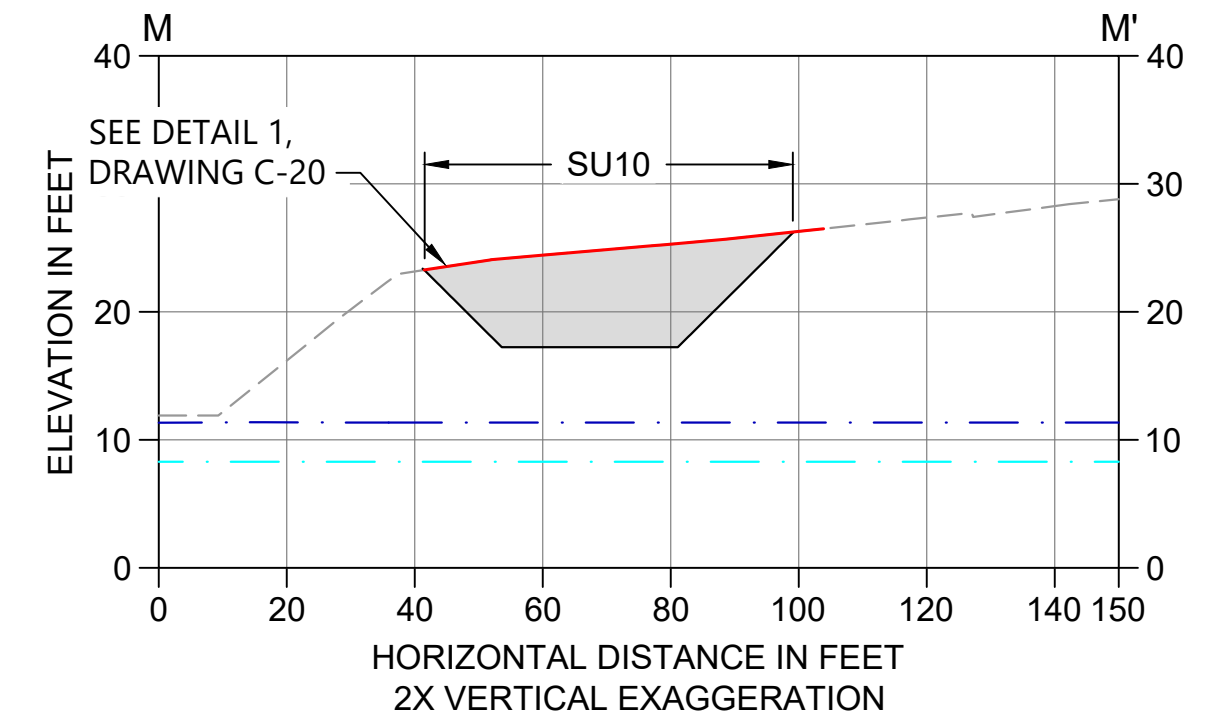
**M SECTION**  
C-18 SCALE: 1" = 30'

- LEGEND:**
- - - EXISTING GRADE
  - PROPOSED EXCAVATION GRADE
  - █ PROPOSED SELECT BACKFILL MATERIAL AND GRADE
  - - - SEASONAL HIGH GROUNDWATER CONDITIONS
  - - - SEASONAL LOW GROUNDWATER CONDITIONS

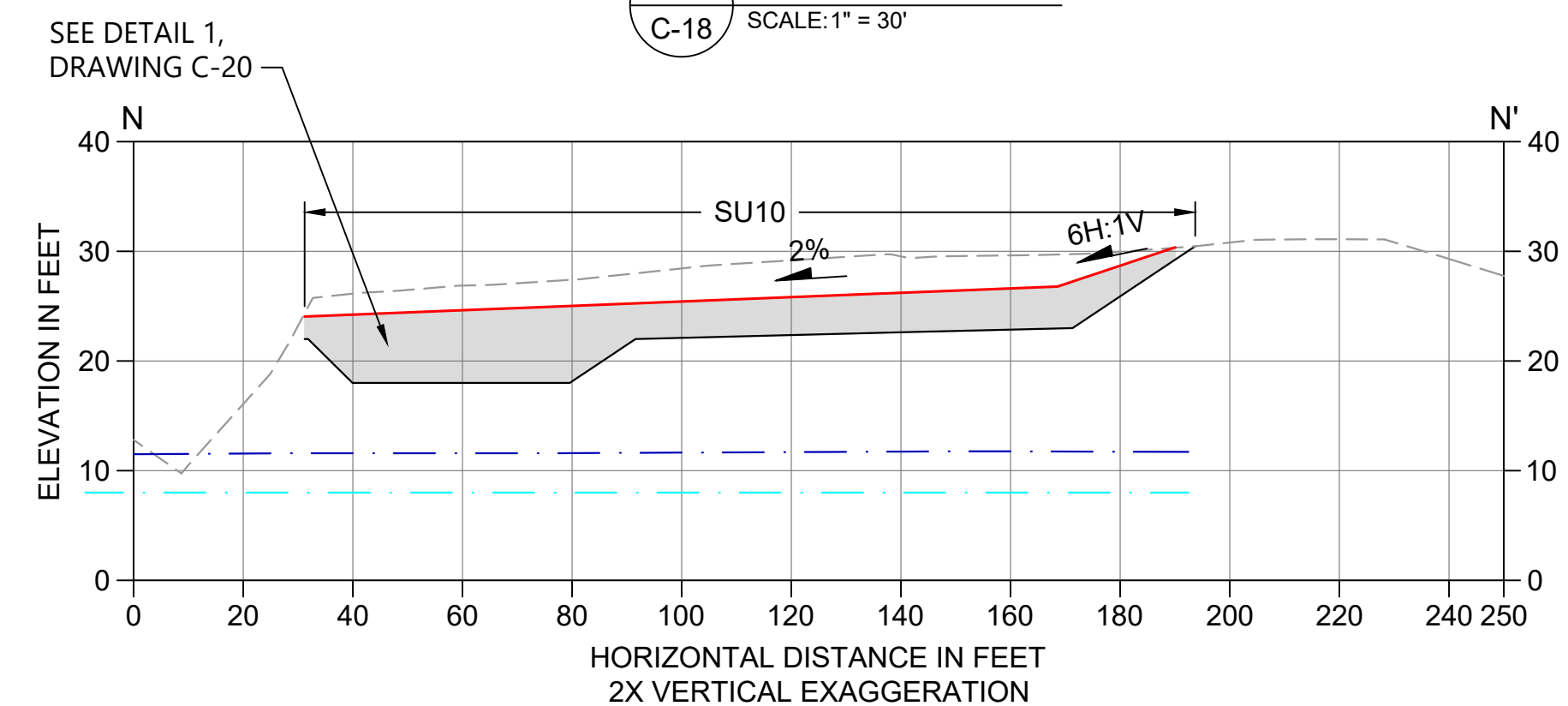
NOTE:  
1. SELECT BACKFILL PLACED ABOVE OBSERVED GROUNDWATER LEVEL MUST BE COMPACTED PER TECHNICAL SPECIFICATIONS.



**1 TYPICAL BACKFILL DETAIL (SU8 AND SU10)**  
C-20 SCALE: NTS



**N SECTION**  
C-18 SCALE: 1" = 30'



**O SECTION**  
C-18 SCALE: 1" = 30'



ONE INCH  
↑  
AT FULL SIZE, IF NOT ONE  
INCH SCALE ACCORDINGLY  
↓  
PLAN INTENDED TO BE VIEWED  
IN COLOR, ADJACENT BLOCK IS  
"BLUE"

**ISSUED FOR CONSTRUCTION**

0730-PL-007 (Backfill Plans and Sections).dwg C-20 Jan 31, 2023 10:56pm chewett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
DRAWN BY: C. HEWETT  
CHECKED BY: K. SKELLENGER  
APPROVED BY: R. DESROSIERS  
SCALE: AS NOTED  
DATE: FEBRUARY 2023

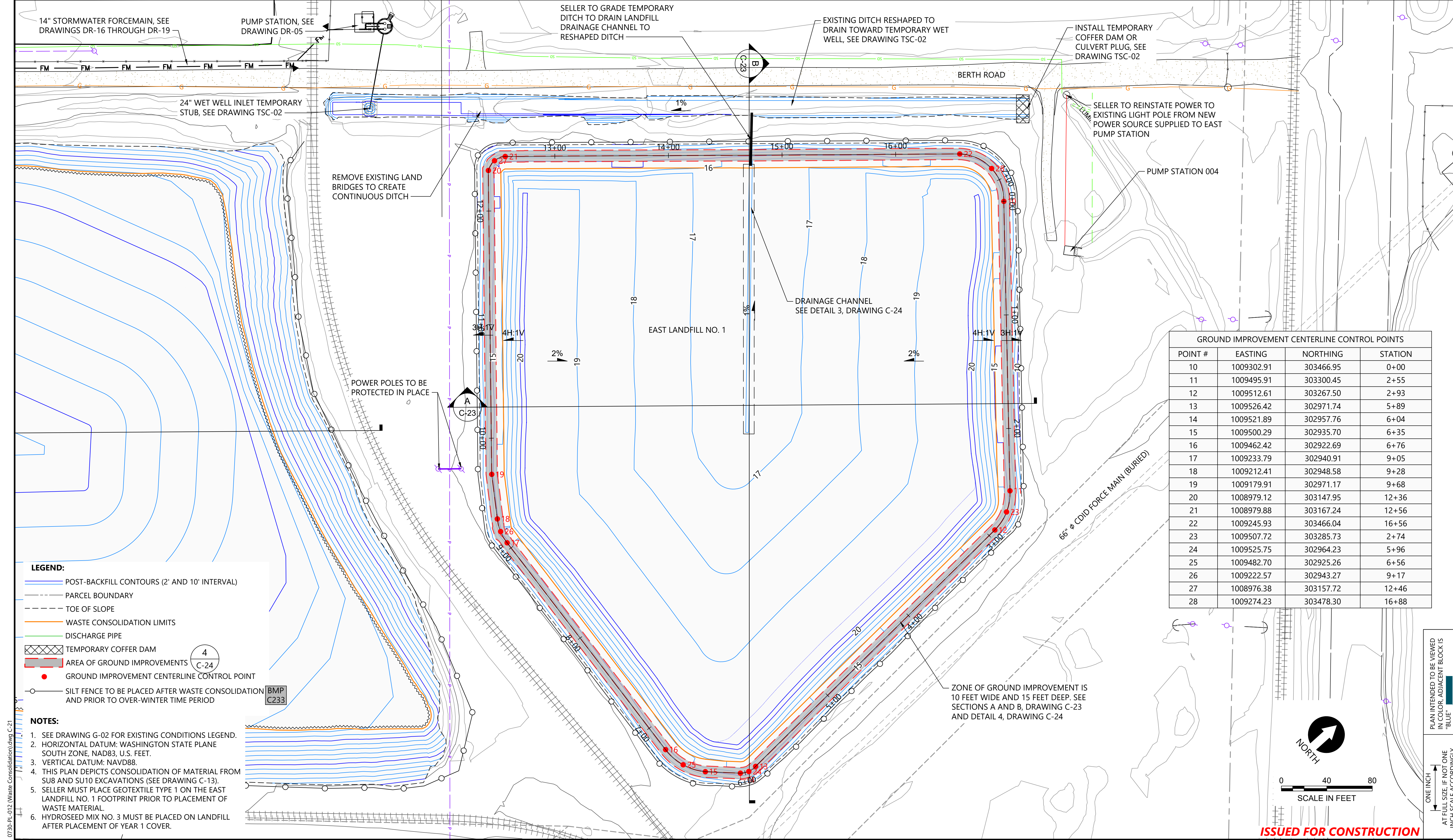
**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**

**BACKFILL SECTIONS AND DETAILS - SU8 AND SU10**

**C-20**

SHEET # **48** OF **114**

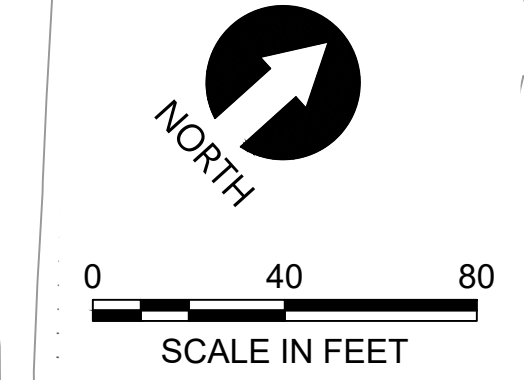




GROUND IMPROVEMENT CENTERLINE CONTROL POINTS			
POINT #	EASTING	NORTHING	STATION
10	1009302.91	303466.95	0+00
11	1009495.91	303300.45	2+55
12	1009512.61	303267.50	2+93
13	1009526.42	302971.74	5+89
14	1009521.89	302957.76	6+04
15	1009500.29	302935.70	6+35
16	1009462.42	302922.69	6+76
17	1009233.79	302940.91	9+05
18	1009212.41	302948.58	9+28
19	1009179.91	302971.17	9+68
20	1008979.12	303147.95	12+36
21	1008979.88	303167.24	12+56
22	1009245.93	303466.04	16+56
23	1009507.72	303285.73	2+74
24	1009525.75	302964.23	5+96
25	1009482.70	302925.26	6+56
26	1009222.57	302943.27	9+17
27	1008976.38	303157.72	12+46
28	1009274.23	303478.30	16+88

- LEGEND:**
- POST-BACKFILL CONTOURS (2' AND 10' INTERVAL)
  - PARCEL BOUNDARY
  - TOE OF SLOPE
  - WASTE CONSOLIDATION LIMITS
  - DISCHARGE PIPE
  - TEMPORARY COFFER DAM
  - AREA OF GROUND IMPROVEMENTS
  - GROUND IMPROVEMENT CENTERLINE CONTROL POINT
  - SILT FENCE TO BE PLACED AFTER WASTE CONSOLIDATION AND PRIOR TO OVER-WINTER TIME PERIOD

- NOTES:**
1. SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
  2. HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
  3. VERTICAL DATUM: NAVD88.
  4. THIS PLAN DEPICTS CONSOLIDATION OF MATERIAL FROM SU8 AND SU10 EXCAVATIONS (SEE DRAWING C-13).
  5. SELLER MUST PLACE GEOTEXTILE TYPE 1 ON THE EAST LANDFILL NO. 1 FOOTPRINT PRIOR TO PLACEMENT OF WASTE MATERIAL.
  6. HYDROSEED MIX NO. 3 MUST BE PLACED ON LANDFILL AFTER PLACEMENT OF YEAR 1 COVER.



PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY

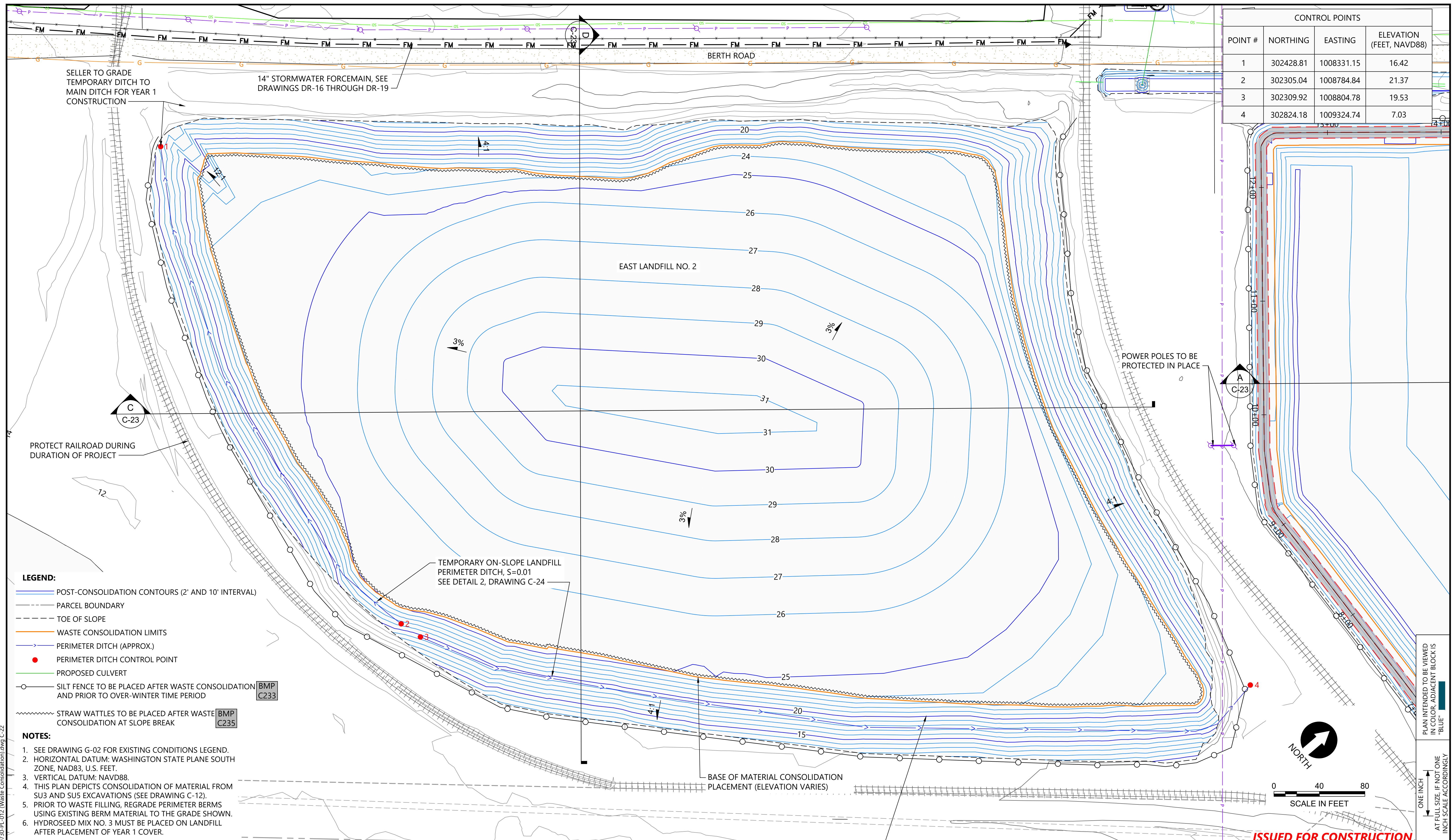
**ISSUED FOR CONSTRUCTION**

0730-PL-012 (Waste Consolidation) (Rev. C-21) Jan 31, 2023 10:56pm chevett

			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="5">REVISIONS</th> </tr> <tr> <th>REV</th> <th>DATE</th> <th>BY</th> <th>APP'D</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>02/01/23</td> <td>CH</td> <td>RD</td> <td>ISSUED FOR CONSTRUCTION</td> </tr> </tbody> </table>	REVISIONS					REV	DATE	BY	APP'D	DESCRIPTION	1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION	<p>DESIGNED BY: D. ORMEROD          DRAWN BY: K. HEWETT          CHECKED BY: C. SKELLENGER          APPROVED BY: R. DESROSIERS</p> <p>SCALE: AS NOTED          DATE: FEBRUARY 2023</p>	<p><b>FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW</b></p> <p><b>WASTE CONSOLIDATION GRADING AND YEAR 1 COVER PLAN EAST LANDFILL NO. 1</b></p>	<p><b>C-21</b></p> <p>SHEET # 49 OF 114</p>
REVISIONS																					
REV	DATE	BY	APP'D	DESCRIPTION																	
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION																	



CONTROL POINTS			
POINT #	NORTHING	EASTING	ELEVATION (FEET, NAVD88)
1	302428.81	1008331.15	16.42
2	302305.04	1008784.84	21.37
3	302309.92	1008804.78	19.53
4	302824.18	1009324.74	7.03

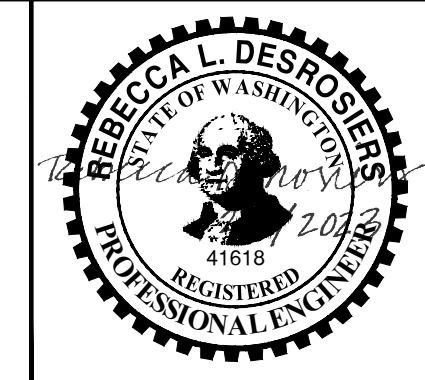


- LEGEND:**
- POST-CONSOLIDATION CONTOURS (2' AND 10' INTERVAL)
  - - - PARCEL BOUNDARY
  - - - TOE OF SLOPE
  - WASTE CONSOLIDATION LIMITS
  - PERIMETER DITCH (APPROX.)
  - PERIMETER DITCH CONTROL POINT
  - PROPOSED CULVERT
  - SILT FENCE TO BE PLACED AFTER WASTE CONSOLIDATION AND PRIOR TO OVER-WINTER TIME PERIOD
  - STRAW WATTLES TO BE PLACED AFTER WASTE CONSOLIDATION AT SLOPE BREAK

- NOTES:**
1. SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
  2. HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
  3. VERTICAL DATUM: NAVD88.
  4. THIS PLAN DEPICTS CONSOLIDATION OF MATERIAL FROM SU3 AND SU5 EXCAVATIONS (SEE DRAWING C-12).
  5. PRIOR TO WASTE FILLING, REGRADE PERIMETER BERMS USING EXISTING BERM MATERIAL TO THE GRADE SHOWN.
  6. HYDROSEED MIX NO. 3 MUST BE PLACED ON LANDFILL AFTER PLACEMENT OF YEAR 1 COVER.

**ISSUED FOR CONSTRUCTION**

0730-PL-012 (Waste Consolidation).dwg C-22 Jan 31, 2023 10:56pm chewett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

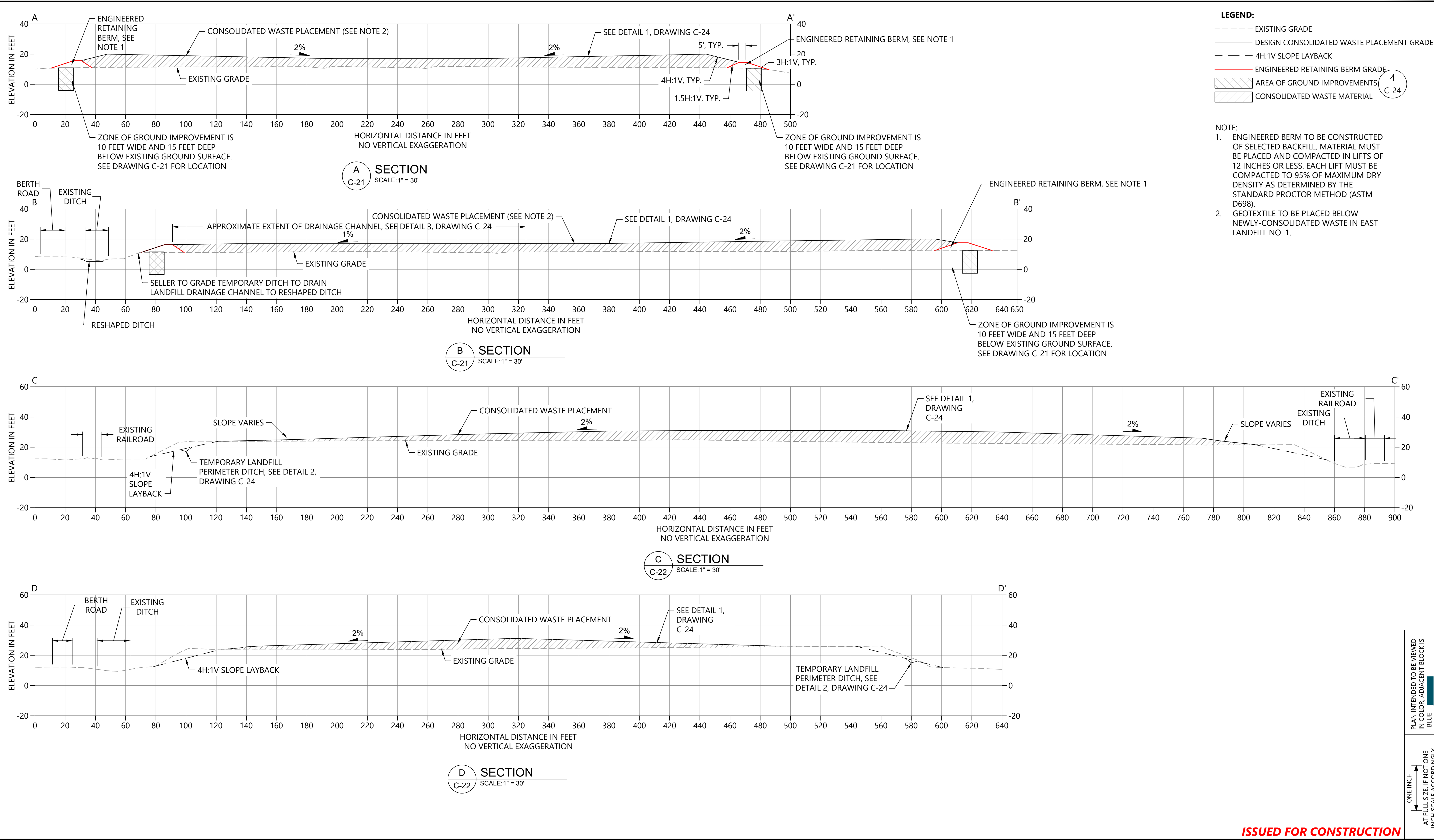
DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**  
**WASTE CONSOLIDATION GRADING AND YEAR 1 COVER PLAN - EAST LANDFILL NO. 2**

**C-22**  
 SHEET # 50 OF 114

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY





- LEGEND:**
- EXISTING GRADE
  - DESIGN CONSOLIDATED WASTE PLACEMENT GRADE
  - - - 4H:1V SLOPE LAYBACK
  - ENGINEERED RETAINING BERM GRADE
  - ▨ AREA OF GROUND IMPROVEMENTS
  - ▩ CONSOLIDATED WASTE MATERIAL

- NOTE:**
1. ENGINEERED BERM TO BE CONSTRUCTED OF SELECTED BACKFILL MATERIAL. MATERIAL MUST BE PLACED AND COMPACTED IN LIFTS OF 12 INCHES OR LESS. EACH LIFT MUST BE COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR METHOD (ASTM D698).
  2. GEOTEXTILE TO BE PLACED BELOW NEWLY-CONSOLIDATED WASTE IN EAST LANDFILL NO. 1.

0730-PL-012 (Waste Consolidation).dwg C-23

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

**ISSUED FOR CONSTRUCTION**



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

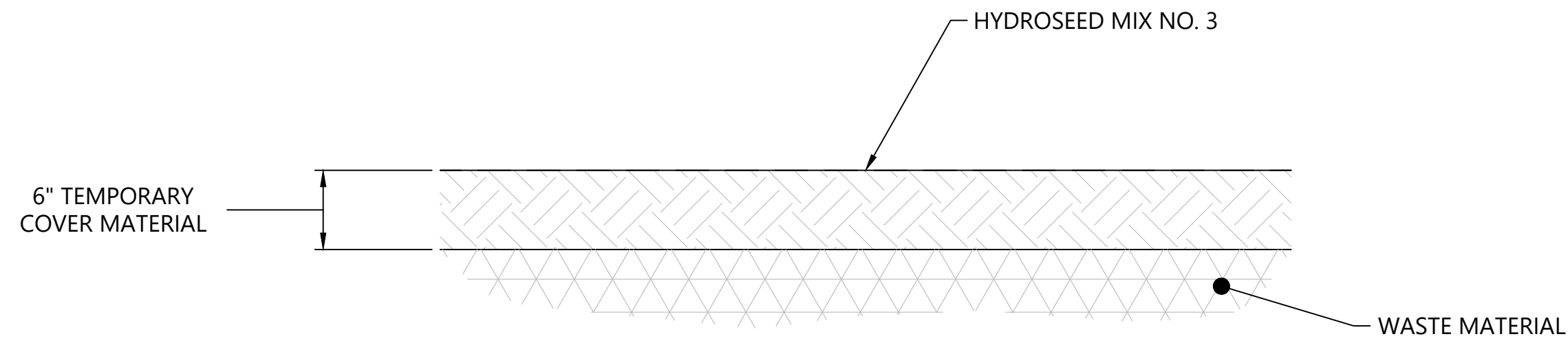
**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**

**WASTE CONSOLIDATION GRADING AND YEAR 1 COVER SECTIONS - EAST LANDFILL NO. 1 AND 2**

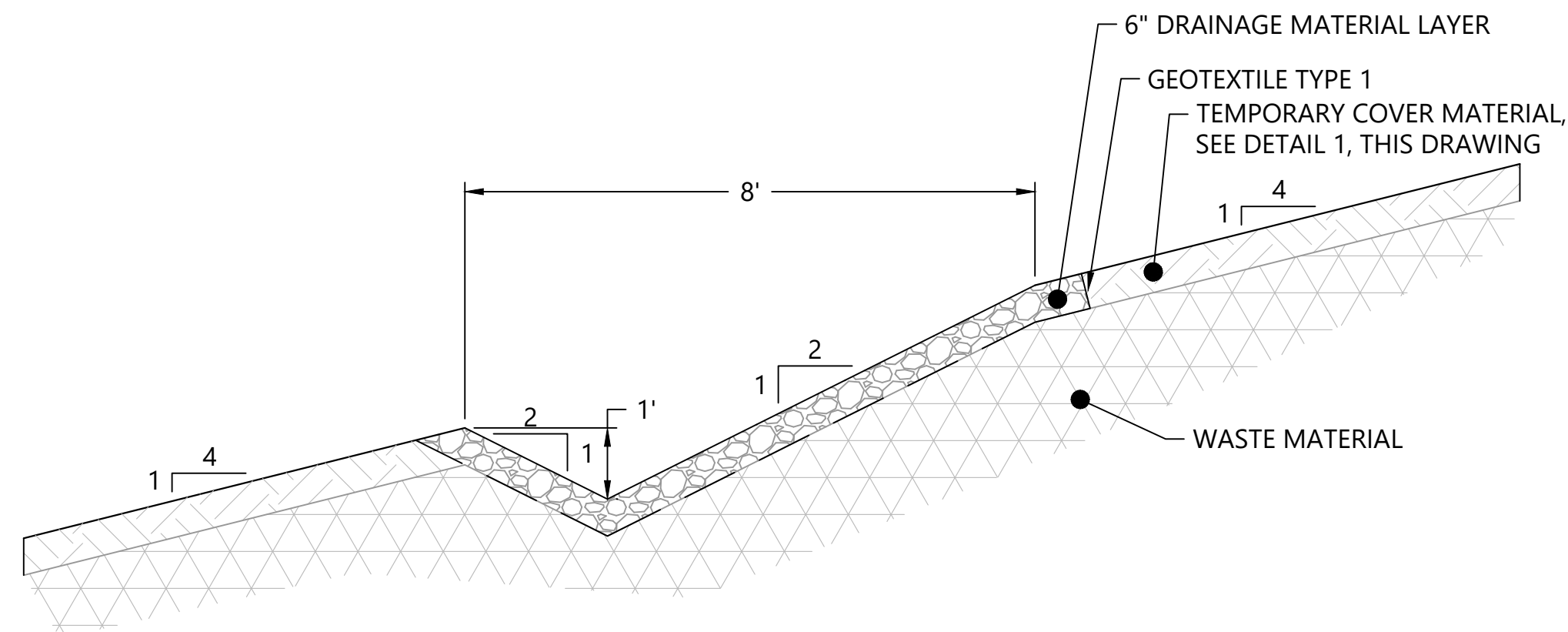
**C-23**

SHEET # **51** OF **114**

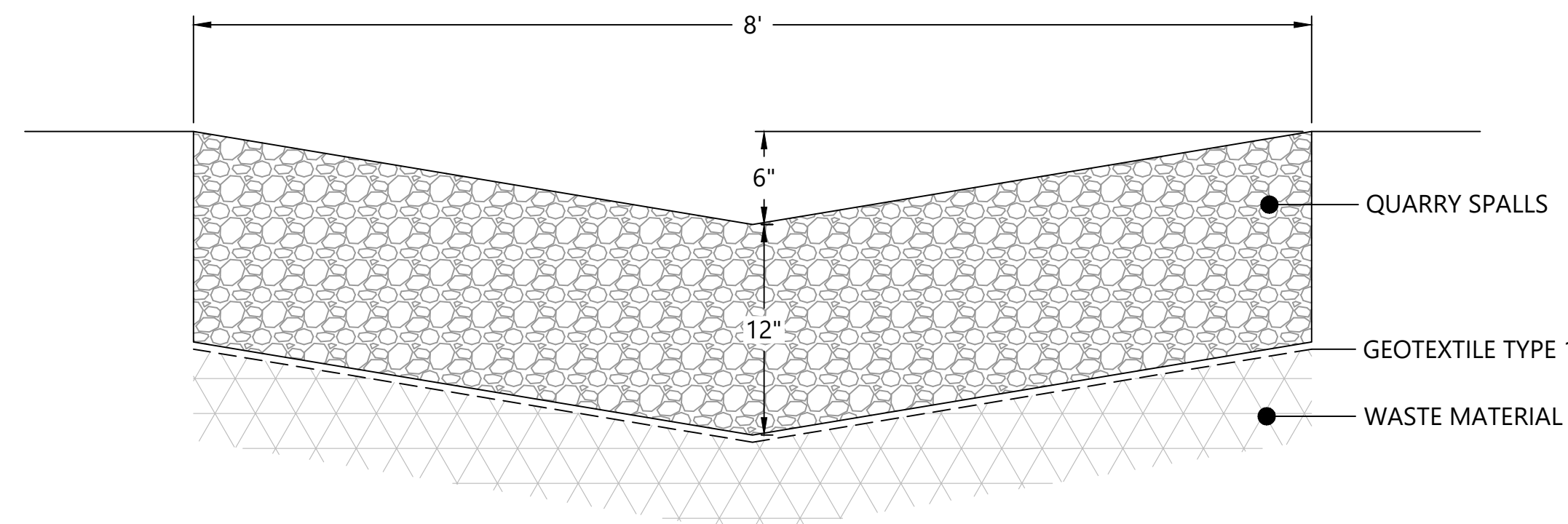




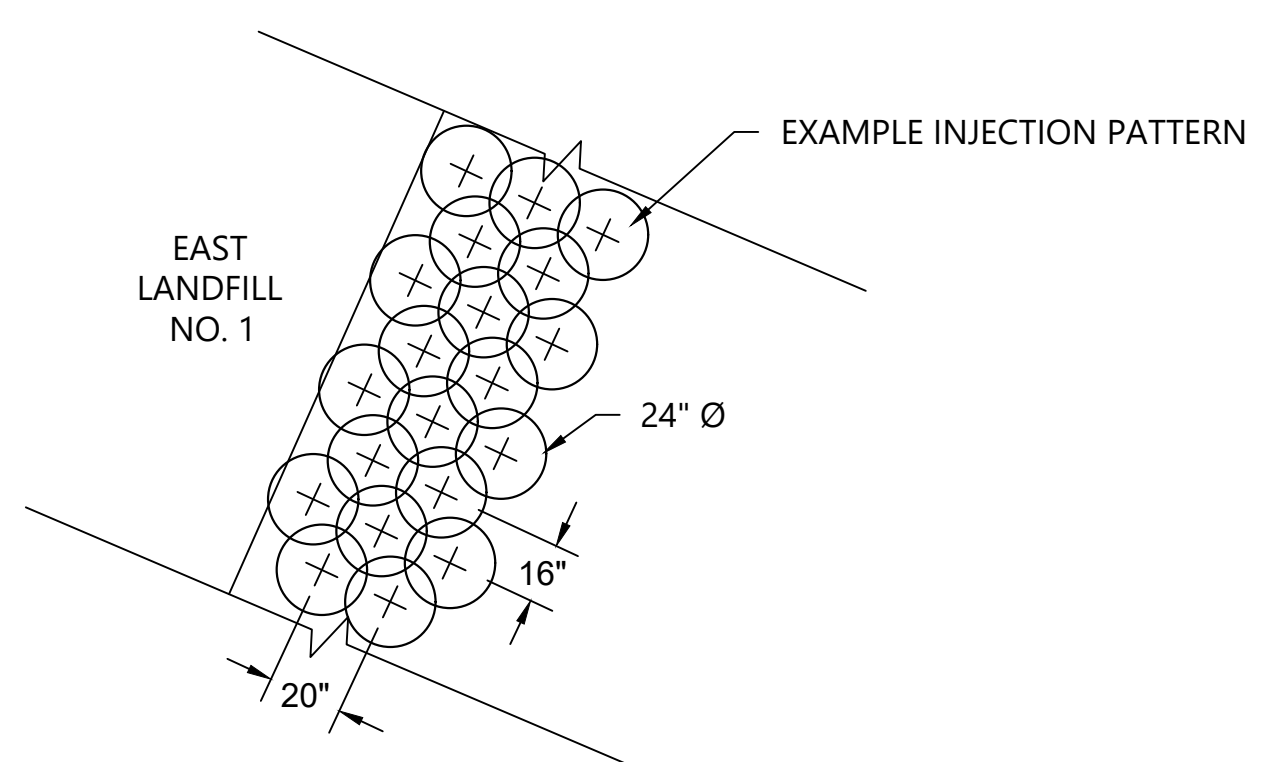
**1 TYPICAL YEAR 1 COVER MATERIAL**  
 SCALE: NTS  
 NOTE: HYDROSEED MIX NO. 3  
 CONSISTS OF BONDED FIBER MATRIX



**2 TEMPORARY ON-SLOPE EAST LANDFILL NO. 2 PERIMETER DITCH**  
 SCALE: NTS



**3 EAST LANDFILL NO. 1 YEAR 1 DRAINAGE CHANNEL**  
 SCALE: NTS



**4 SPACING FOR 100% OVERLAP FOR GROUND IMPROVEMENT**  
 SCALE: NTS  
 NOTE: ADJACENT INJECTION HOLES SHALL NOT BE DRILLED BEFORE 24-HOUR WAIT PERIOD TO ALLOW INITIAL CURING OF THE CEMENT. SELLER SHALL SUBMIT SEQUENCE PLAN FOR REVIEW. IF AN ALTERNATIVE INJECTION METHOD IS USED, SELLER MUST SUBMIT PLAN TO DEMONSTRATE APPROPRIATE OVERLAP.

0730-PL-012 (Waste Consolidation) (Rev. C-24) Jan 31, 2023 10:57pm chewett

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY

**ISSUED FOR CONSTRUCTION**



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

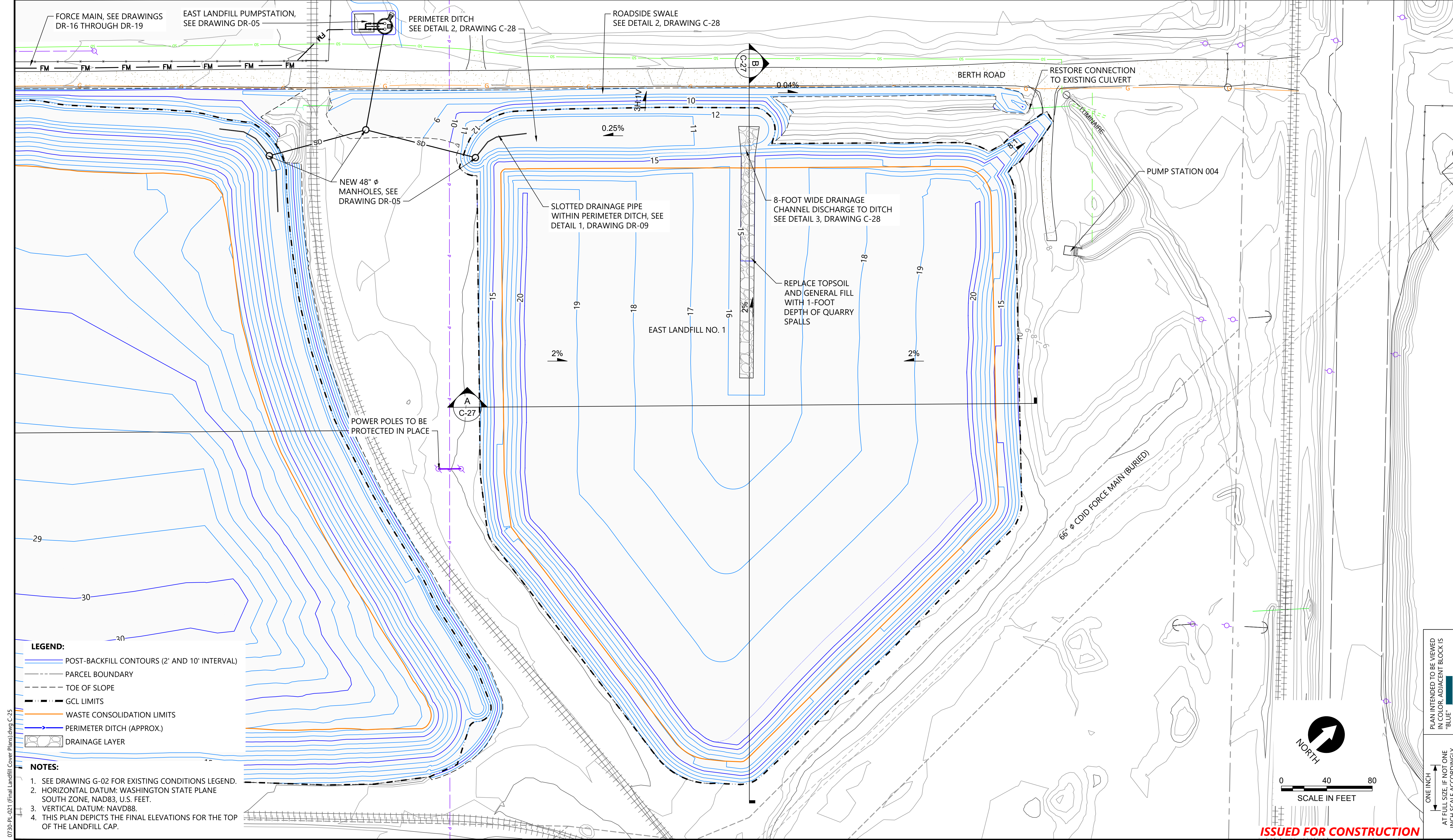
DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**  
**WASTE CONSOLIDATION GRADING AND YEAR 1 COVER DETAILS - EAST LANDFILL NO. 1 AND 2**

**C-24**

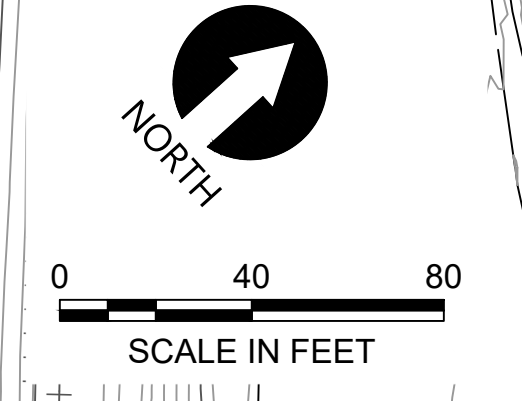
SHEET # **52** OF **114**





- LEGEND:**
- POST-BACKFILL CONTOURS (2' AND 10' INTERVAL)
  - PARCEL BOUNDARY
  - TOE OF SLOPE
  - GCL LIMITS
  - WASTE CONSOLIDATION LIMITS
  - PERIMETER DITCH (APPROX.)
  - DRAINAGE LAYER

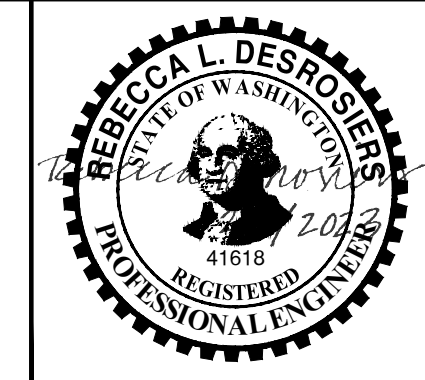
- NOTES:**
1. SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
  2. HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
  3. VERTICAL DATUM: NAVD88.
  4. THIS PLAN DEPICTS THE FINAL ELEVATIONS FOR THE TOP OF THE LANDFILL CAP.



**ISSUED FOR CONSTRUCTION**

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY

0730-PL-021 (Final Landfill Cover Plans) dwg C-25  
Jan 31, 2023 10:57pm chevett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

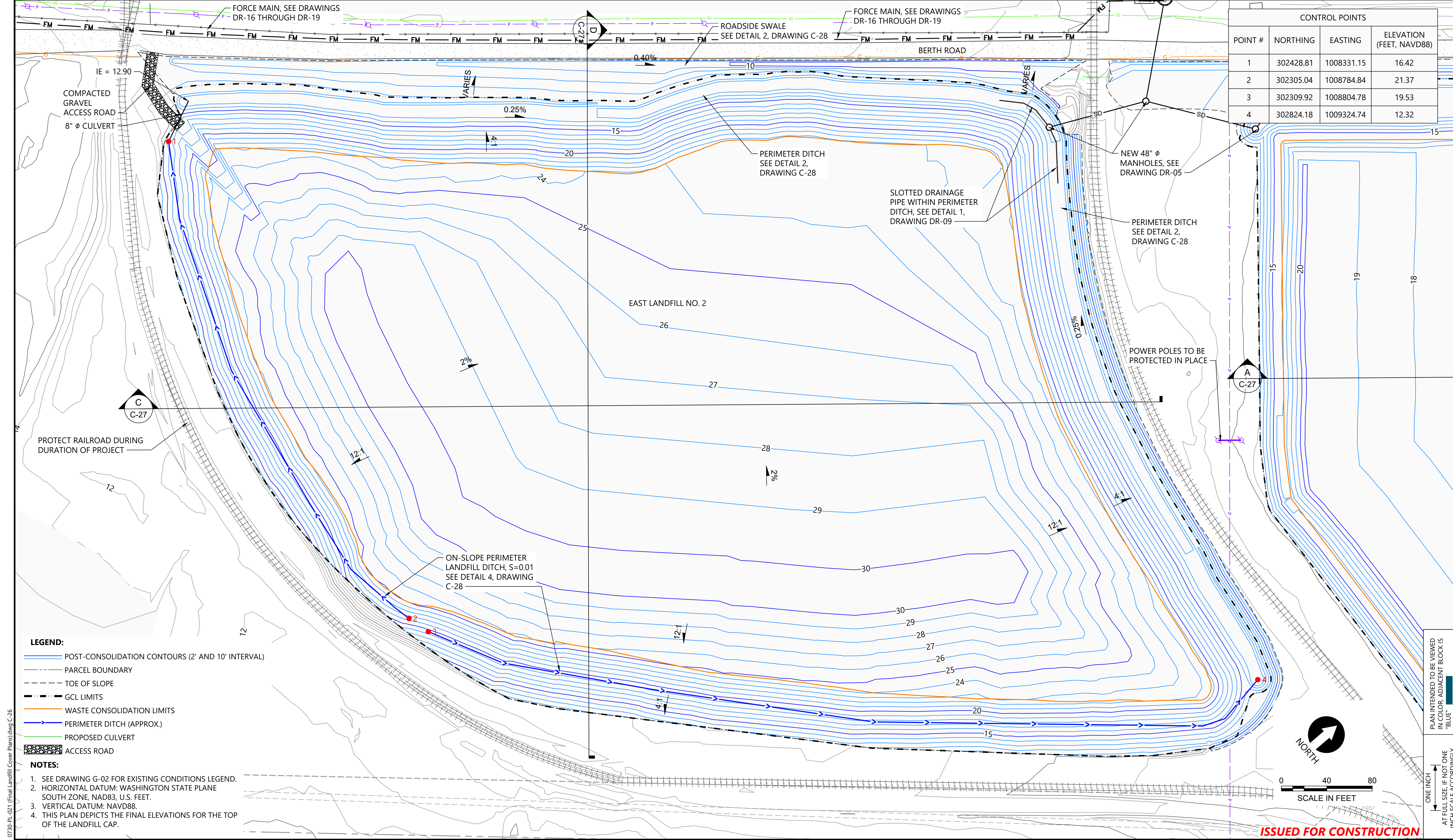
**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**

**FINAL COVER AND DRAINAGE PLAN - EAST LANDFILL NO.1**

**C-25**

SHEET # **53** OF 114

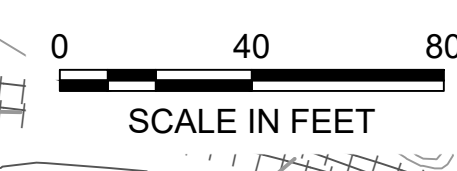




CONTROL POINTS			
POINT #	NORTHING	EASTING	ELEVATION (FEET, NAVD88)
1	302428.81	1008331.15	16.42
2	302305.04	1008784.84	21.37
3	302309.92	1008804.78	19.53
4	302824.18	1009324.74	12.32

- LEGEND:**
- POST-CONSOLIDATION CONTOURS (2' AND 10' INTERVAL)
  - - - - - PARCEL BOUNDARY
  - - - - - TOE OF SLOPE
  - - - - - GCL LIMITS
  - - - - - WASTE CONSOLIDATION LIMITS
  - - - - - PERIMETER DITCH (APPROX.)
  - - - - - PROPOSED CULVERT
  - ▨ ACCESS ROAD

- NOTES:**
1. SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
  2. HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
  3. VERTICAL DATUM: NAVD88.
  4. THIS PLAN DEPICTS THE FINAL ELEVATIONS FOR THE TOP OF THE LANDFILL CAP.



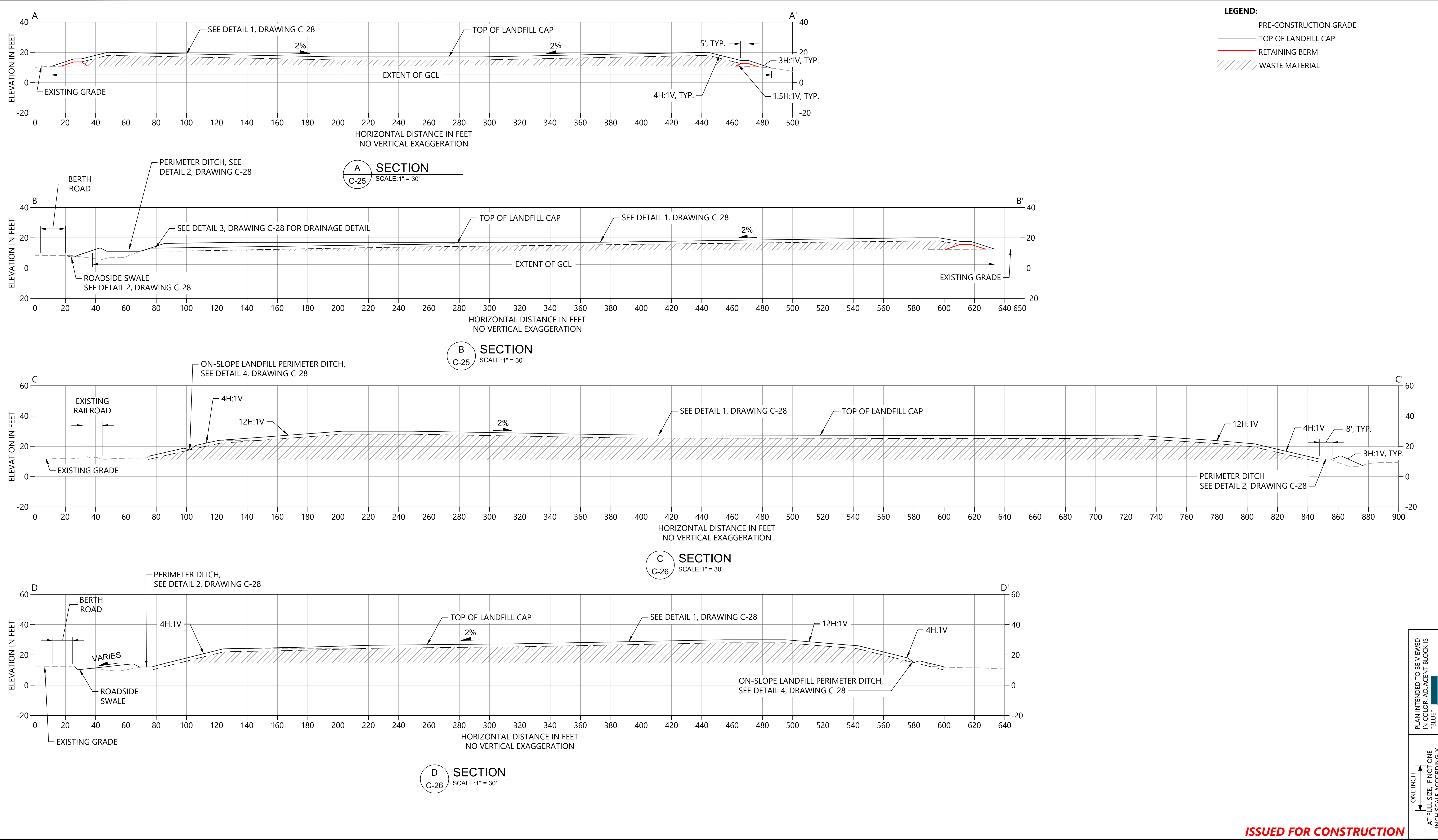
PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY

0730-PL-021 (Final Landfill Cover Plans) dwg C-26  
 Jan 31, 2023 10:57pm chevett

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REVISIONS																															
REV	DATE	BY	APP'D	DESCRIPTION																											
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION																											

ISSUED FOR CONSTRUCTION





**ISSUED FOR CONSTRUCTION**

0730-PL-021 (Final Landfill Cover Plans) dwg C-27

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

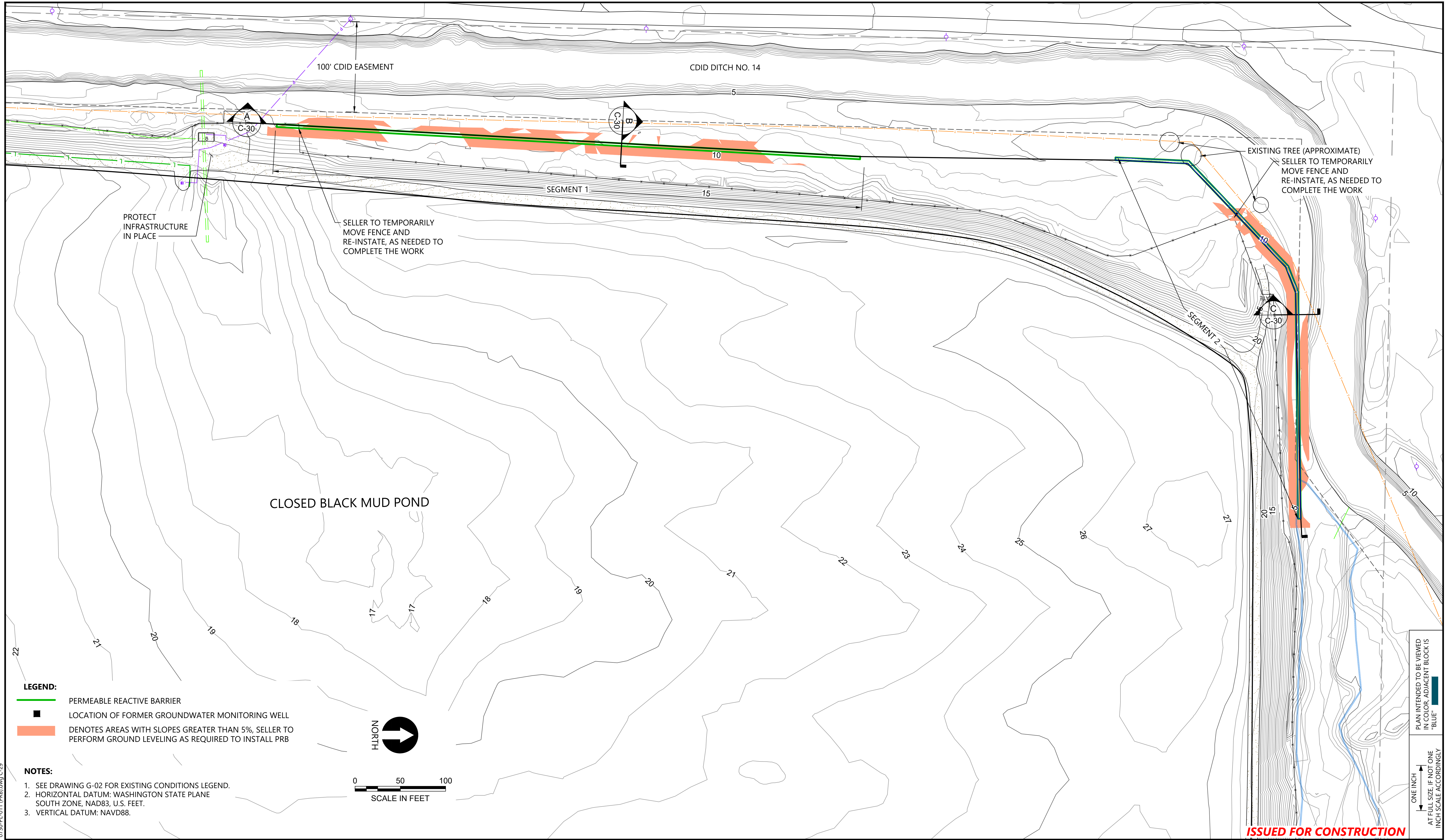
**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**  
**FINAL COVER SECTIONS - EAST LANDFILL NO. 1 AND 2**

**C-27**  
 SHEET # **55** OF **114**



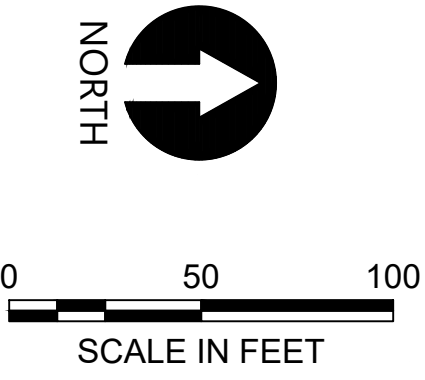






- LEGEND:**
- PERMEABLE REACTIVE BARRIER
  - LOCATION OF FORMER GROUNDWATER MONITORING WELL
  - DENOTES AREAS WITH SLOPES GREATER THAN 5%, SELLER TO PERFORM GROUND LEVELING AS REQUIRED TO INSTALL PRB

- NOTES:**
1. SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
  2. HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
  3. VERTICAL DATUM: NAVD88.



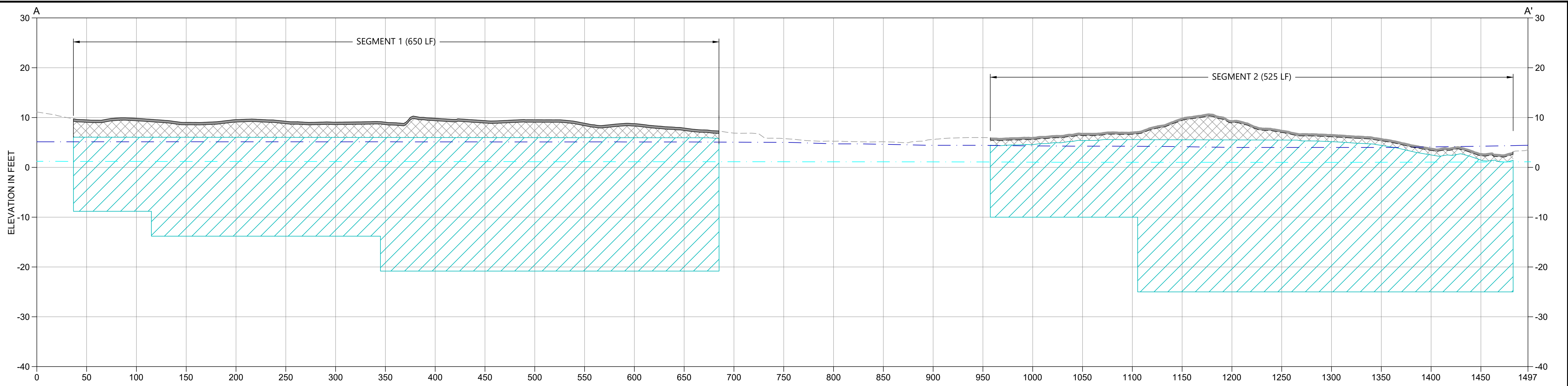
PLAN INTENDED TO BE VIEWED IN COLOR, ADJACENT BLOCK IS "BLUE"  
 ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

**ISSUED FOR CONSTRUCTION**

0730-PL-011 (PRB).dwg C-29 Jan 31, 2023 10:58pm chewett

			<b>REVISIONS</b>	DESIGNED BY: C. JANISCH DRAWN BY: C. HEWETT CHECKED BY: K. SKELLENGER APPROVED BY: R. DESROSIERS SCALE: AS NOTED DATE: FEBRUARY 2023	<b>FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW</b>	<b>C-29</b>																
			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>BY</th> <th>APP'D</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>02/01/23</td> <td>CH</td> <td>RD</td> <td>ISSUED FOR CONSTRUCTION</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REV	DATE	BY	APP'D	DESCRIPTION	1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION									
REV	DATE	BY	APP'D	DESCRIPTION																		
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION																		



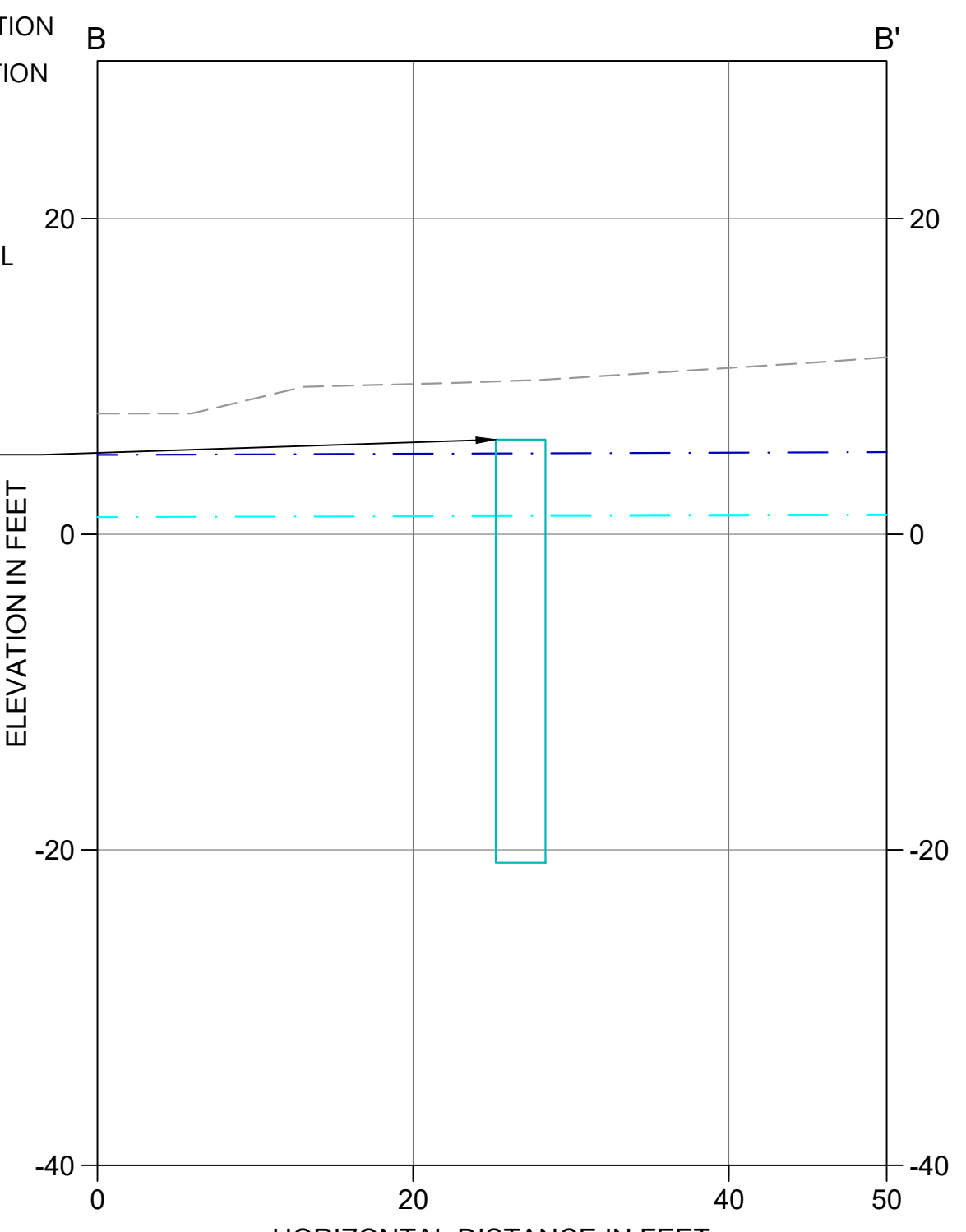


**A PROFILE A**  
 HORIZ. SCALE: 1" = 50'  
 VERT. SCALE: 1" = 10'

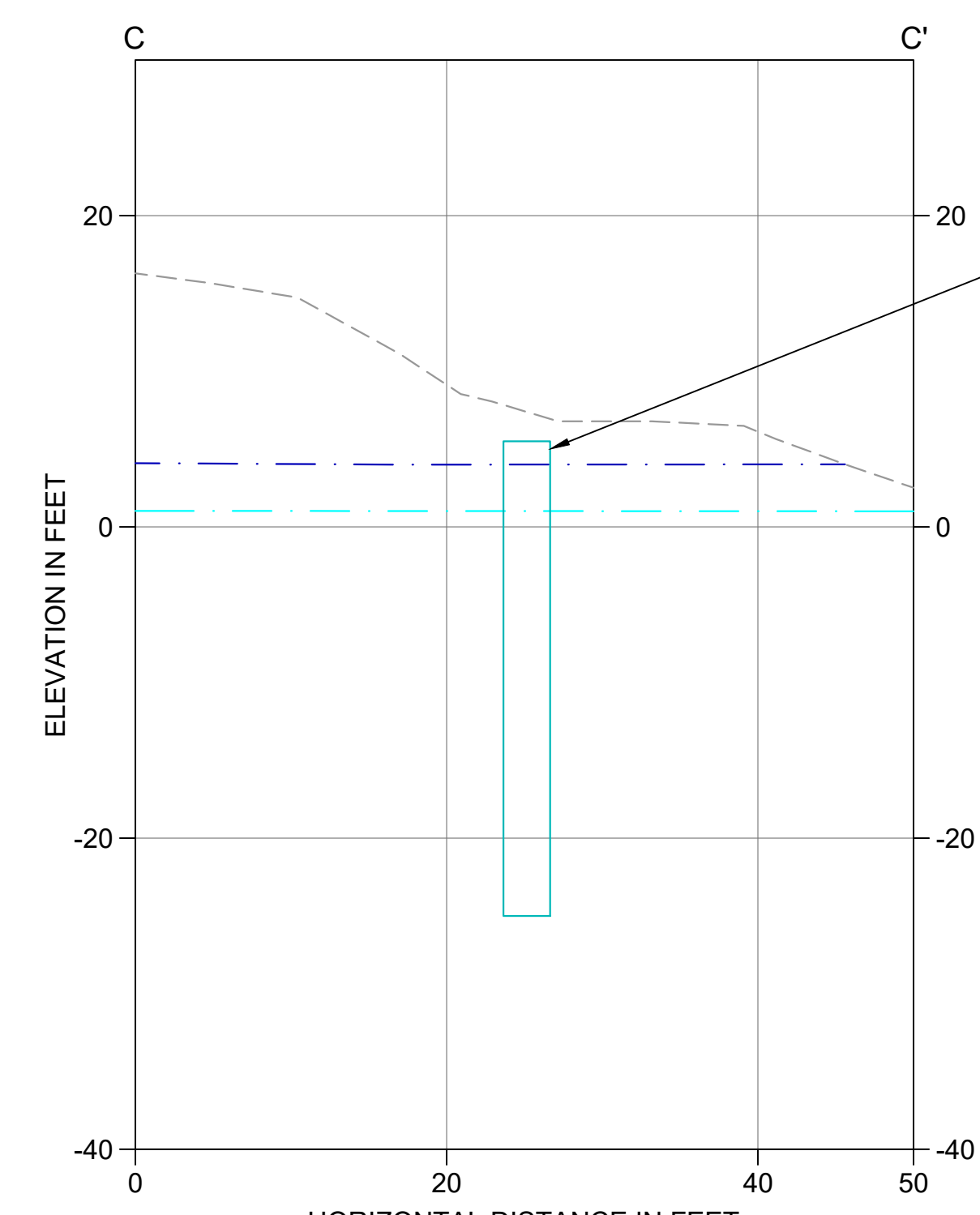
- LEGEND:**
- - - - - EXISTING GRADE
  - ▨ PRB MEDIA EXTENTS
  - ▩ GENERAL BACKFILL
  - TOPSOIL OR GRAVEL
  - - - - - SEASONAL HIGH GROUNDWATER ELEVATION
  - - - - - SEASONAL LOW GROUNDWATER ELEVATION

SELLER TO LEVEL GROUND AS REQUIRED TO INSTALL PRBS.  
 AFTER INSTALLATION, SELLER MUST RESTORE GENERAL AREA WITH COMPACTED GENERAL FILL AND EITHER TOPSOIL AND HYDROSEED OR COMPACTED GRAVEL SURFACE MATERIAL (DEPENDING ON IF LOCATION INTERSECTED CLOSED BLACK MUD POND PERIMETER ROAD) SEE DETAIL 1 FOR RESTORATION OF AREAS ABOVE PRB SEGMENTS

- NOTES:**
1. SELLER TO BACKFILL PRB MEDIA EXTENTS SUCH THAT THE MATERIAL EXTENDS TO ELEVATION +6' NAVD88 IN SEGMENT 1 AND +5.5' NAVD88 IN SEGMENT 2, OR ESTABLISH A MINIMUM 18" OF BACKFILL MATERIAL ABOVE THE PRB MEDIA IN AREAS WHERE EXISTING GROUND SURFACE DOES NOT ALLOW FOR FULL-HEIGHT PLACEMENT OF THE REACTIVE MATERIAL, AS SHOWN ON PROFILE A.

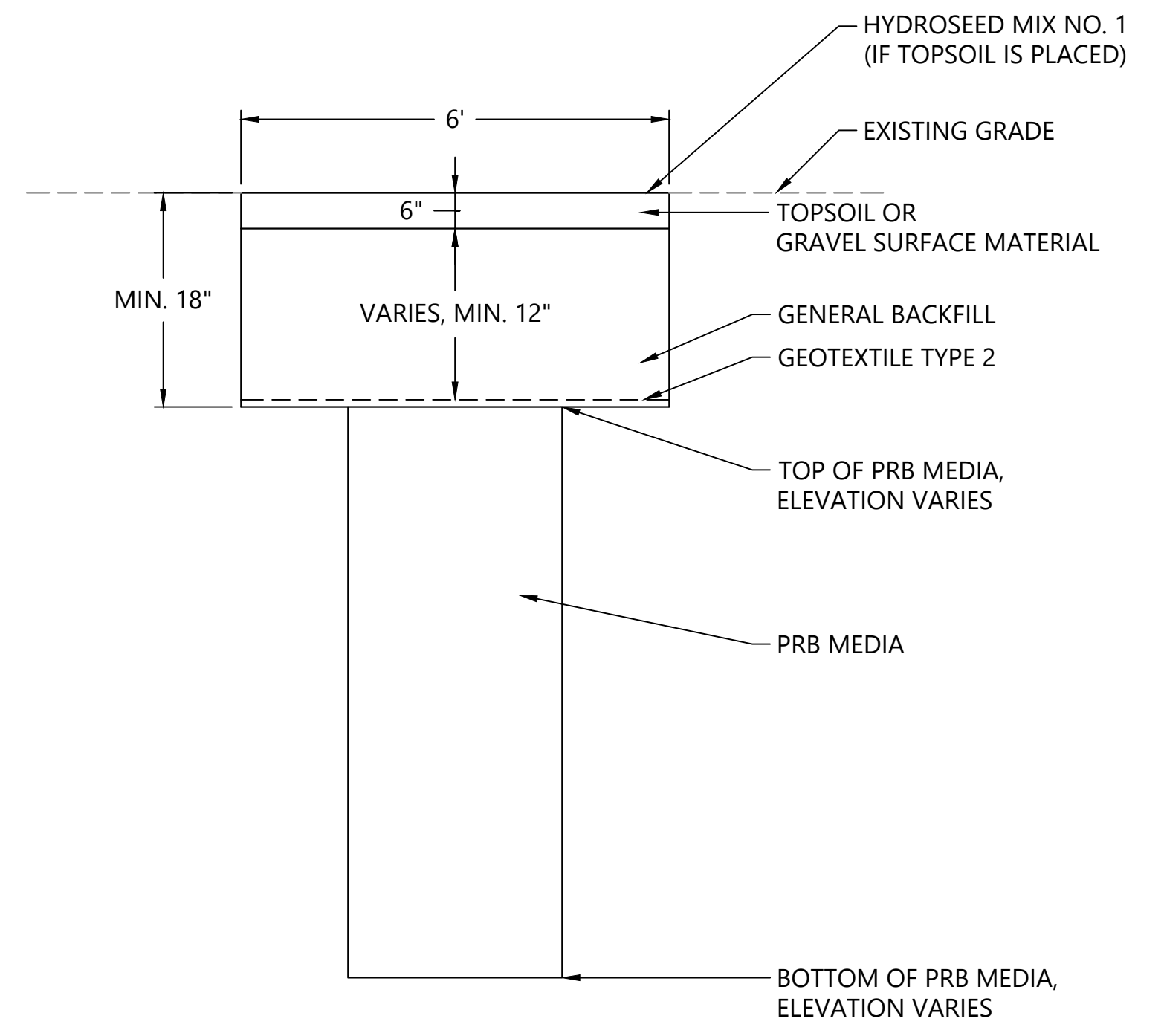


**B TYP. SECTION B**  
 HORIZ. SCALE: 1" = 10'  
 VERT. SCALE: 1" = 10'



**C TYP. SECTION C**  
 HORIZ. SCALE: 1" = 10'  
 VERT. SCALE: 1" = 10'

SELLER TO LEVEL GROUND AS REQUIRED TO INSTALL PRBS.  
 AFTER INSTALLATION, SELLER MUST RESTORE GENERAL AREA WITH COMPACTED GENERAL FILL AND EITHER TOPSOIL AND HYDROSEED OR COMPACTED GRAVEL SURFACE MATERIAL (DEPENDING ON IF LOCATION INTERSECTED CLOSED BLACK MUD POND PERIMETER ROAD) SEE DETAIL 1 FOR RESTORATION OF AREAS ABOVE PRB SEGMENTS



**1 RESTORATION ABOVE PRB SEGMENTS**  
 SCALE: 1" = 2'

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY

**ISSUED FOR CONSTRUCTION**

0730-PL-011 (PRB)dwg C-30



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: C. JANISCH  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

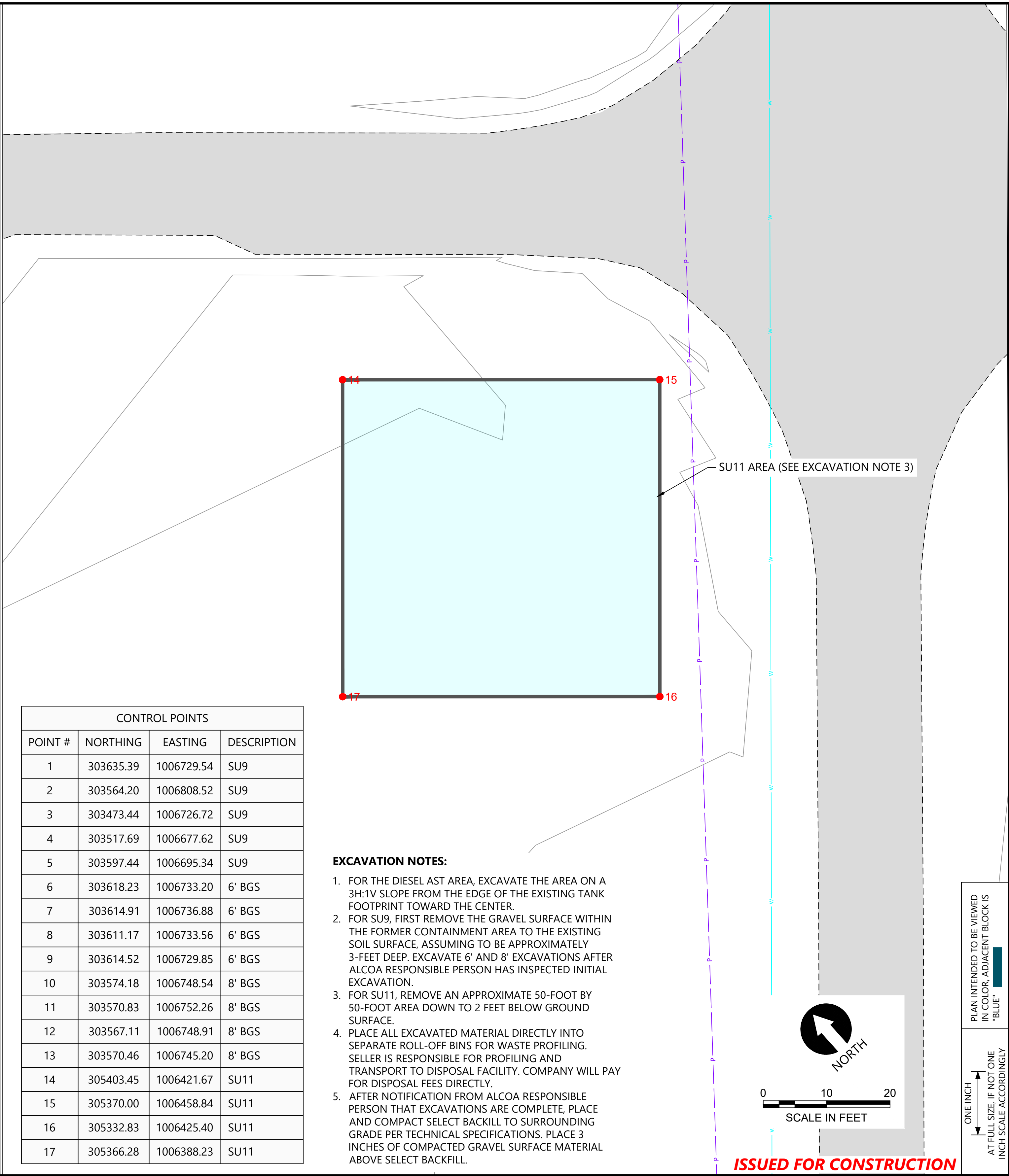
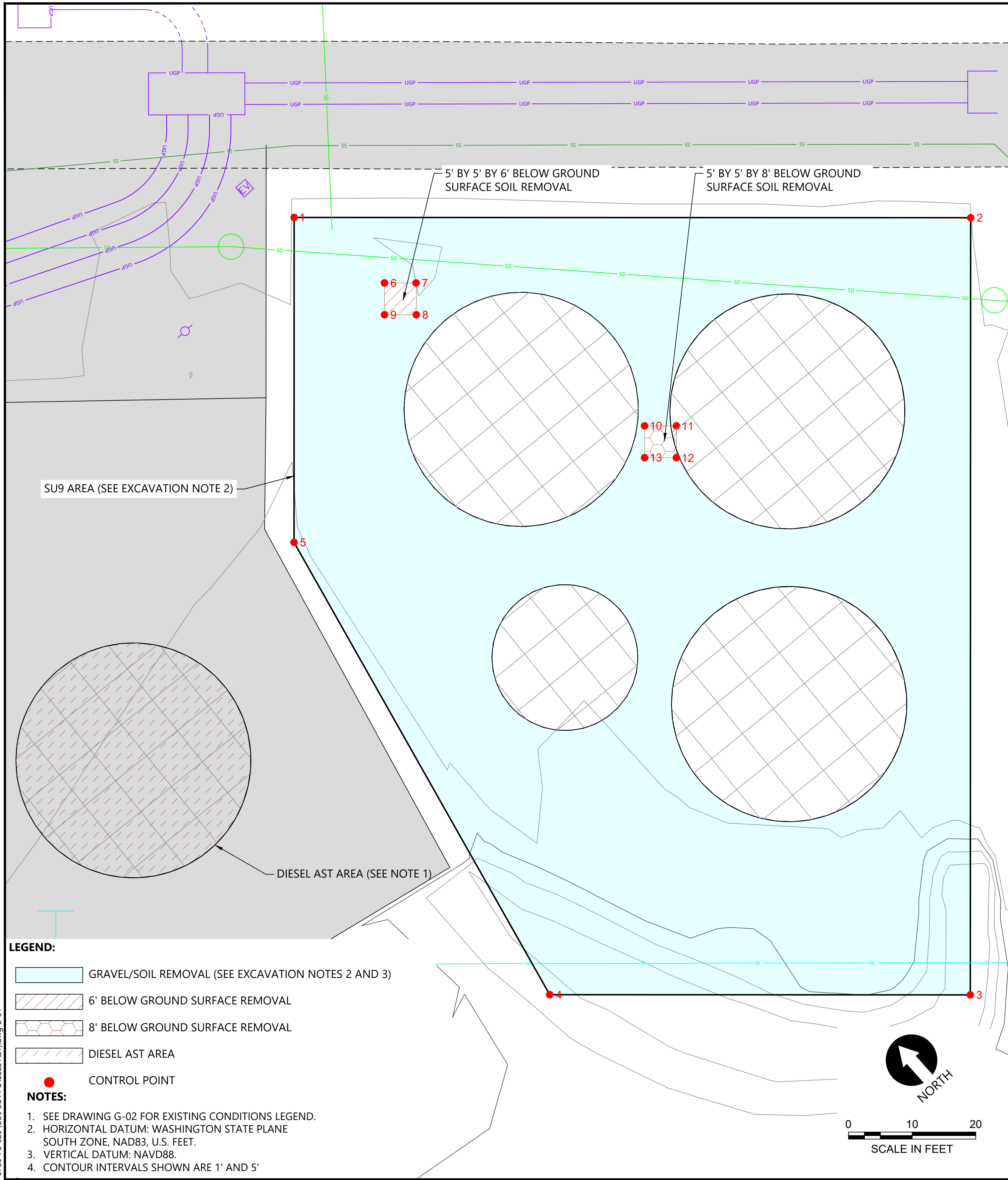
**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**

**PRB PROFILE AND TYPICAL SECTIONS**

**C-30**

SHEET # **58** OF **114**





**LEGEND:**

- GRAVEL/SOIL REMOVAL (SEE EXCAVATION NOTES 2 AND 3)
- 6' BELOW GROUND SURFACE REMOVAL
- 8' BELOW GROUND SURFACE REMOVAL
- DIESEL AST AREA
- CONTROL POINT

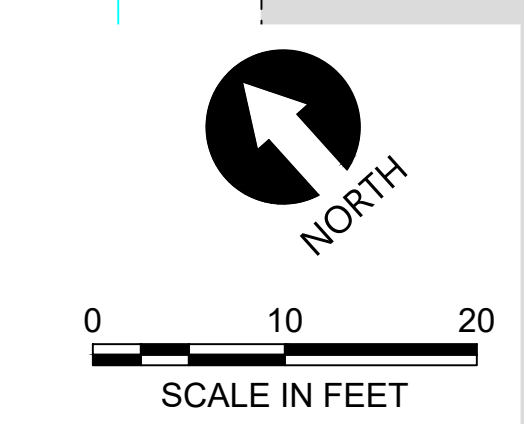
**NOTES:**

1. SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
2. HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
3. VERTICAL DATUM: NAVD88.
4. CONTOUR INTERVALS SHOWN ARE 1' AND 5'

CONTROL POINTS			
POINT #	NORTHING	EASTING	DESCRIPTION
1	303635.39	1006729.54	SU9
2	303564.20	1006808.52	SU9
3	303473.44	1006726.72	SU9
4	303517.69	1006677.62	SU9
5	303597.44	1006695.34	SU9
6	303618.23	1006733.20	6' BGS
7	303614.91	1006736.88	6' BGS
8	303611.17	1006733.56	6' BGS
9	303614.52	1006729.85	6' BGS
10	303574.18	1006748.54	8' BGS
11	303570.83	1006752.26	8' BGS
12	303567.11	1006748.91	8' BGS
13	303570.46	1006745.20	8' BGS
14	305403.45	1006421.67	SU11
15	305370.00	1006458.84	SU11
16	305332.83	1006425.40	SU11
17	305366.28	1006388.23	SU11

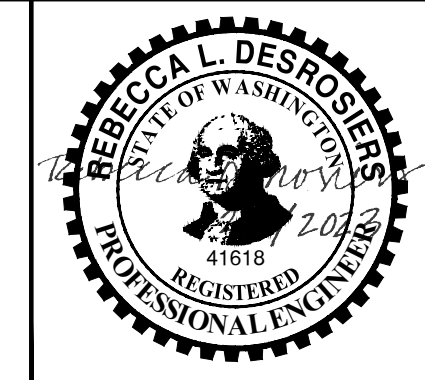
**EXCAVATION NOTES:**

1. FOR THE DIESEL AST AREA, EXCAVATE THE AREA ON A 3H:1V SLOPE FROM THE EDGE OF THE EXISTING TANK FOOTPRINT TOWARD THE CENTER.
2. FOR SU9, FIRST REMOVE THE GRAVEL SURFACE WITHIN THE FORMER CONTAINMENT AREA TO THE EXISTING SOIL SURFACE, ASSUMING TO BE APPROXIMATELY 3- FEET DEEP. EXCAVATE 6' AND 8' EXCAVATIONS AFTER ALCOA RESPONSIBLE PERSON HAS INSPECTED INITIAL EXCAVATION.
3. FOR SU11, REMOVE AN APPROXIMATE 50-FOOT BY 50-FOOT AREA DOWN TO 2 FEET BELOW GROUND SURFACE.
4. PLACE ALL EXCAVATED MATERIAL DIRECTLY INTO SEPARATE ROLL-OFF BINS FOR WASTE PROFILING. SELLER IS RESPONSIBLE FOR PROFILING AND TRANSPORT TO DISPOSAL FACILITY. COMPANY WILL PAY FOR DISPOSAL FEES DIRECTLY.
5. AFTER NOTIFICATION FROM ALCOA RESPONSIBLE PERSON THAT EXCAVATIONS ARE COMPLETE, PLACE AND COMPACT SELECT BACKFILL TO SURROUNDING GRADE PER TECHNICAL SPECIFICATIONS. PLACE 3 INCHES OF COMPACTED GRAVEL SURFACE MATERIAL ABOVE SELECT BACKFILL.



**ISSUED FOR CONSTRUCTION**

0720-PL-025, SU9, SU11, DIESEL AST.dwg C-31 Jan 31, 2023 10:59pm chevett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: D. ORMEROD  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERES  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**

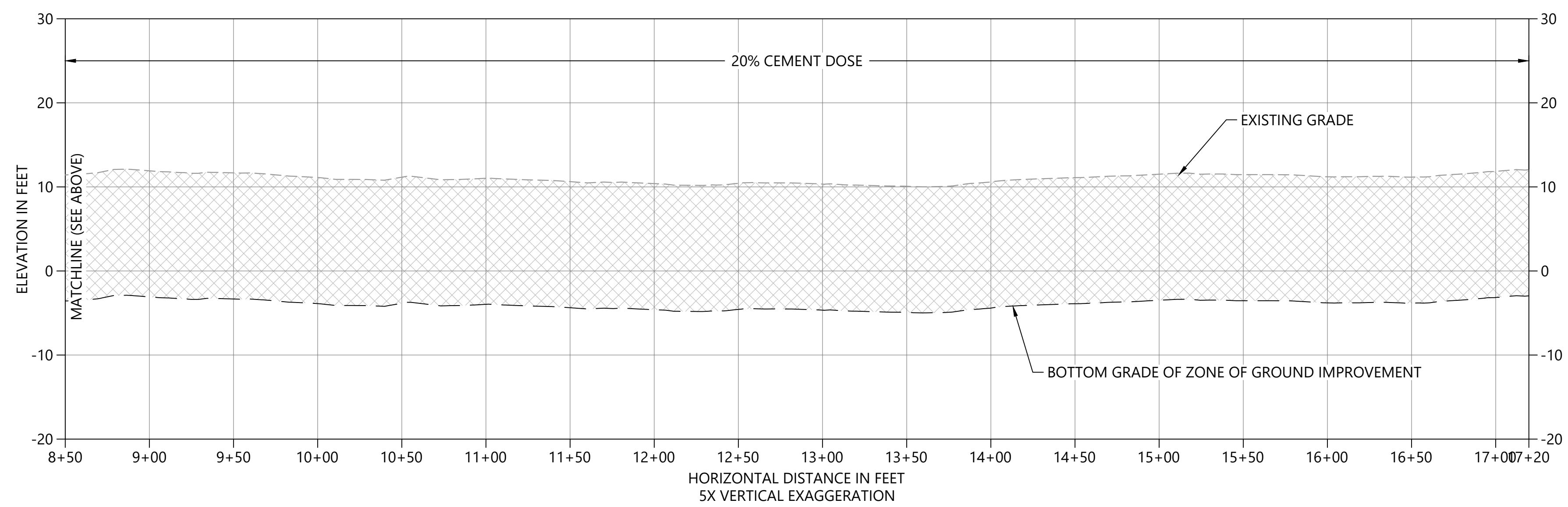
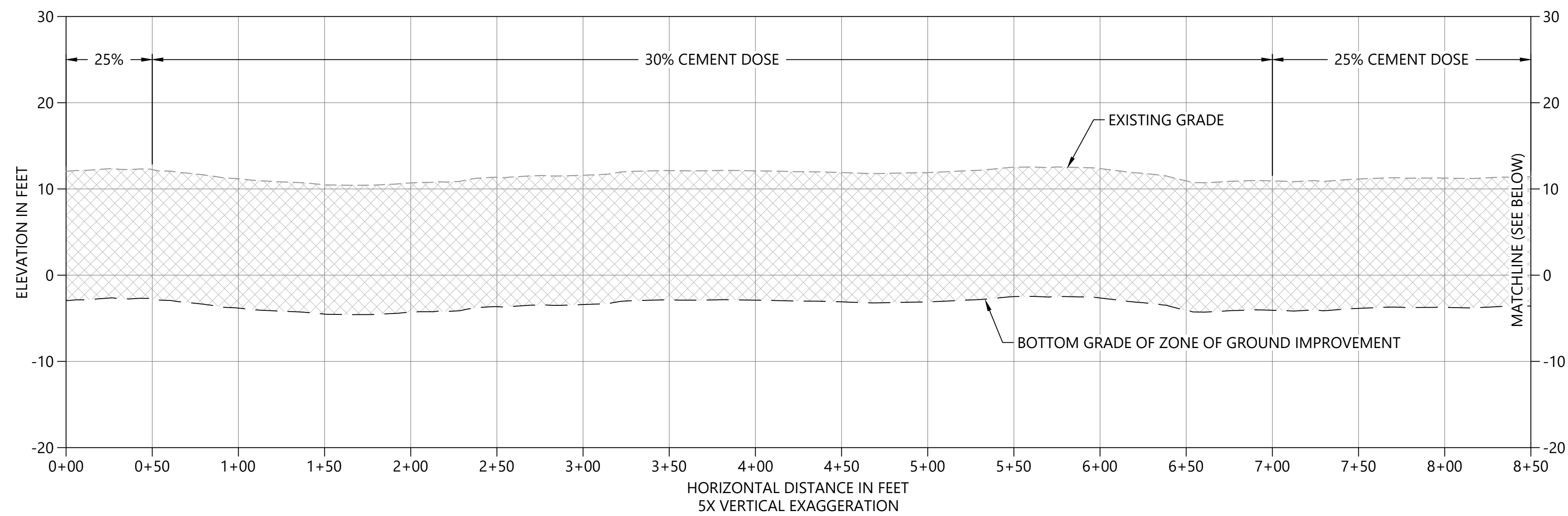
**EXCAVATION PLAN - SU9, SU11, AND DIESEL AST AREA**

**C-31**

SHEET # **59** OF **114**

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY





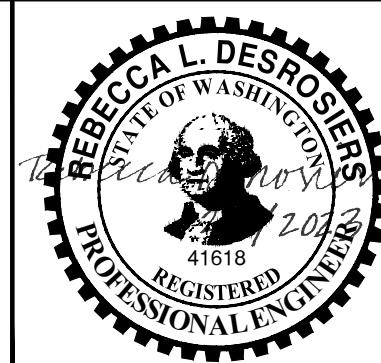
- LEGEND:**
- EXISTING GRADE
  - BOTTOM GRADE OF ZONE OF GROUND IMPROVEMENT
  - ▨ AREA OF GROUND IMPROVEMENTS

- NOTES:**
1. REFER TO DRAWING C-21 FOR GROUND IMPROVEMENT STATIONING.
  2. CEMENT SLURRY (GROUT) DOSES ARE BASED ON THE VOLUME OF IN SITU SOIL TO BE TREATED.
  3. REFER TO TECHNICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

**1** GROUND IMPROVEMENT PROFILE  
 C-21 HORIZ. SCALE: 1" = 50'  
 VERT. SCALE: 1" = 10'

**ISSUED FOR CONSTRUCTION**

0730-PL-012 (Waste Consolidation) Rev 114 C-32



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: K. SKELLENGER  
 DRAWN BY: C. HEWETT  
 CHECKED BY: K. SKELLENGER  
 APPROVED BY: R. DESROSIERS  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**

**GROUND IMPROVEMENT PROFILE**

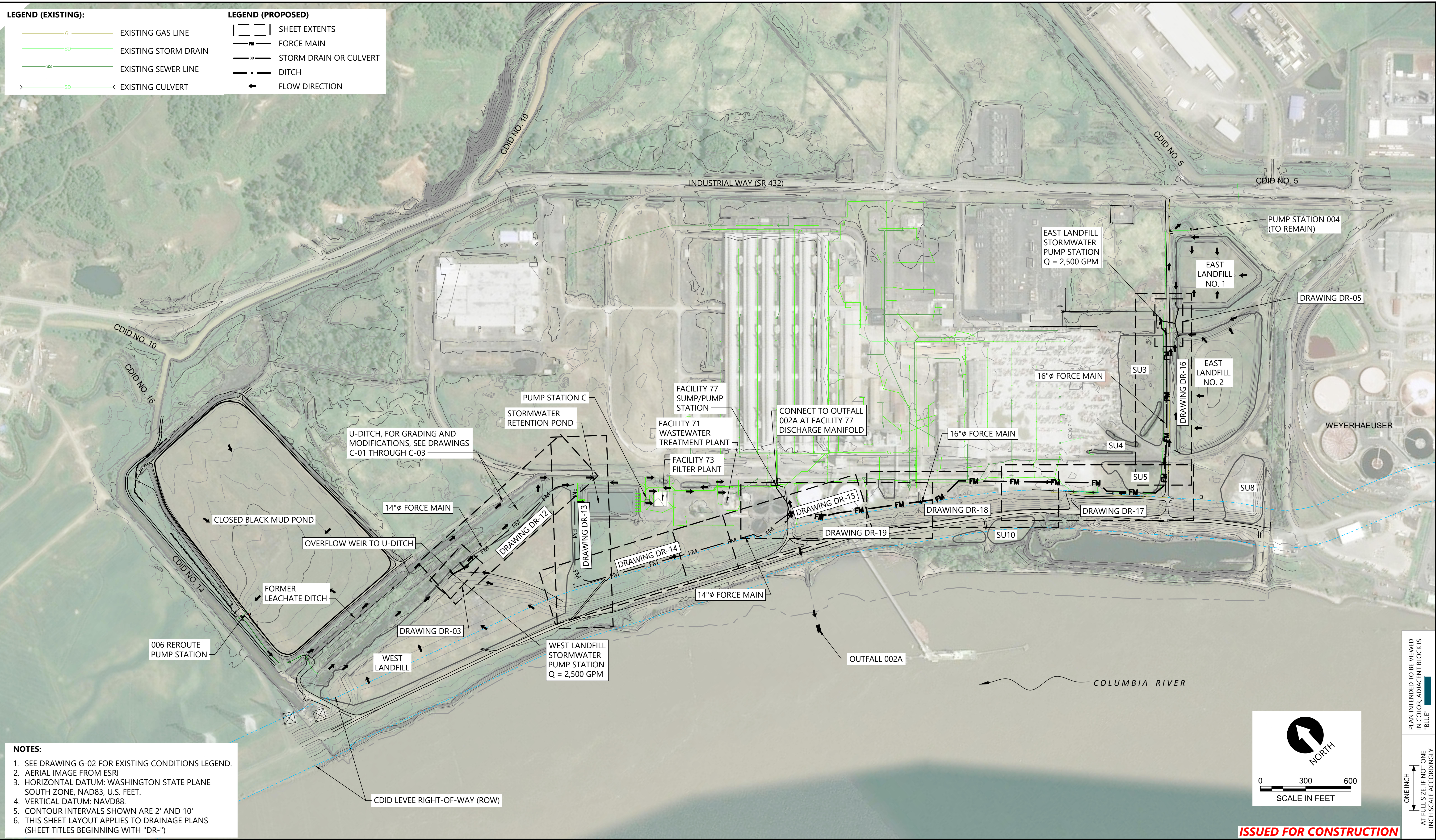
**C-32**

SHEET # **60** OF **114**

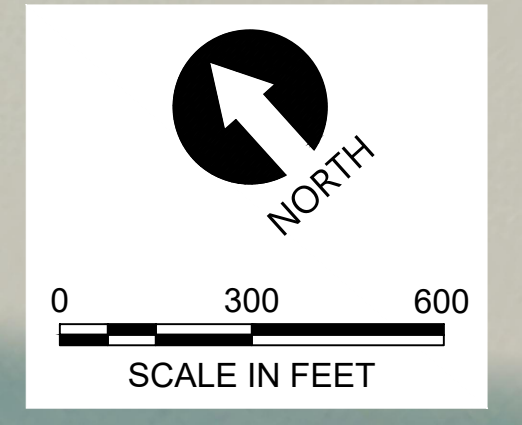
PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" ONE INCH AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY



LEGEND (EXISTING):		LEGEND (PROPOSED):	
	EXISTING GAS LINE		SHEET EXTENTS
	EXISTING STORM DRAIN		FORCE MAIN
	EXISTING SEWER LINE		STORM DRAIN OR CULVERT
	EXISTING CULVERT		DITCH
			FLOW DIRECTION



- NOTES:**
1. SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
  2. AERIAL IMAGE FROM ESRI
  3. HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
  4. VERTICAL DATUM: NAVD88.
  5. CONTOUR INTERVALS SHOWN ARE 2' AND 10'
  6. THIS SHEET LAYOUT APPLIES TO DRAINAGE PLANS (SHEET TITLES BEGINNING WITH "DR-")



**ISSUED FOR CONSTRUCTION**

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY

0730-PL-014 (Drainage-Overall).dwg 59 DR-01 Feb 01, 2023 10:23am chewett

			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="5">REVISIONS</th> </tr> <tr> <th>REV</th> <th>DATE</th> <th>BY</th> <th>APP'D</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>02/01/23</td> <td>CH</td> <td>RD</td> <td>ISSUED FOR CONSTRUCTION</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REVISIONS					REV	DATE	BY	APP'D	DESCRIPTION	1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION											DESIGNED BY: J. SEXTON DRAWN BY: C. HEWETT CHECKED BY: E. VOGES APPROVED BY: D. RICE SCALE: AS NOTED DATE: FEBRUARY 2023	<b>FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW</b>  <b>STORMWATER - OVERALL PLAN</b>	<b>DR-01</b>  SHEET # 61 OF 114
REVISIONS																															
REV	DATE	BY	APP'D	DESCRIPTION																											
1	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION																											

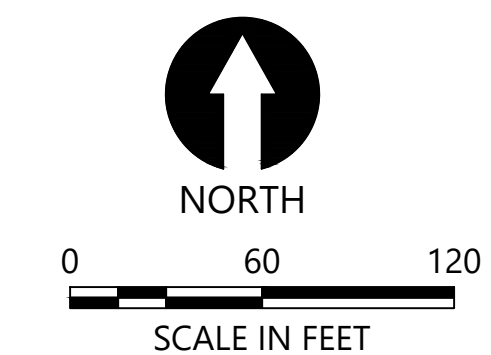


**LEGEND (PROPOSED):**

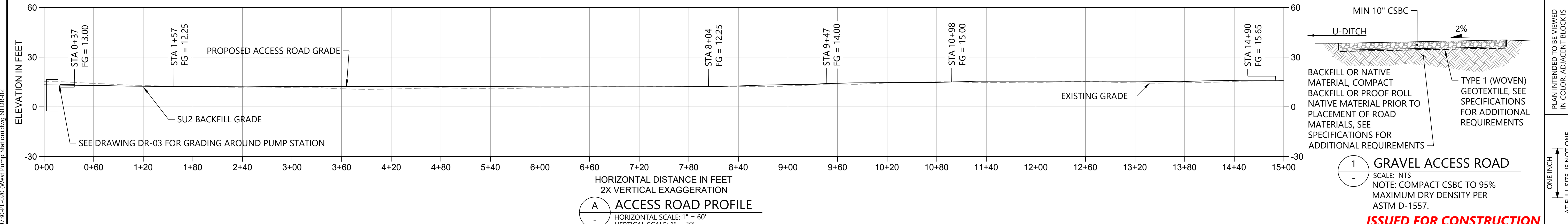
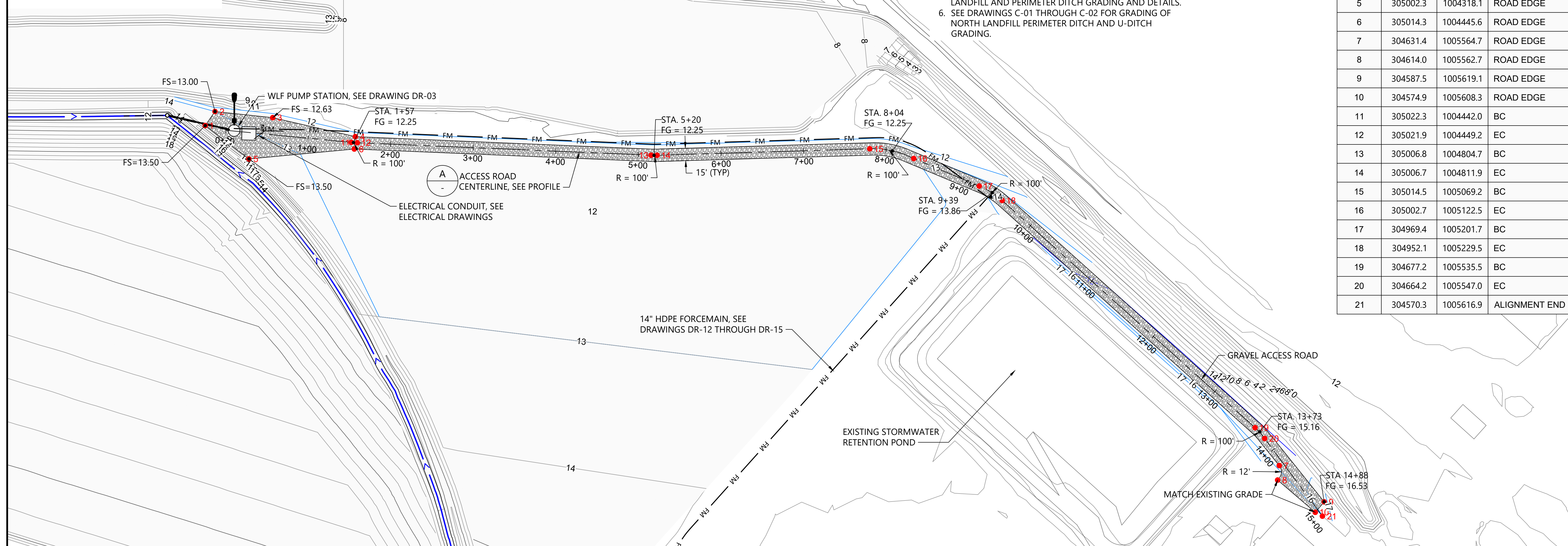
- FM — FORCE MAIN
- SD — STORM DRAIN OR CULVERT
- D — DITCH
- CRUSHED ROCK SURFACING
- CONTOURS (1' AND 5' INTERVALS, ACCESS ROAD FINISHED GRADING)
- CONTOURS (1' AND 5' INTERVALS, POST LANDFILL GRADING)

**NOTES:**

1. SEE DRAWING G-02 FOR EXISTING CONDITIONS LEGEND.
2. HORIZONTAL DATUM: WASHINGTON STATE PLANE SOUTH ZONE, NAD83, U.S. FEET.
3. VERTICAL DATUM: NAVD88.
4. EXISTING CONTOUR INTERVALS SHOWN ARE 2' AND 10', DRAWING DEPICTS PROPOSED FINAL LANDFILL GRADING, WHICH IS ANTICIPATED TO BE THE EXISTING GRADE CONDITION AT THE TIME THE ACCESS ROAD AND WLF PUMP STATION ARE CONSTRUCTED.
5. SEE DRAWINGS C-07 THROUGH C-11 FOR FINAL LANDFILL AND PERIMETER DITCH GRADING AND DETAILS.
6. SEE DRAWINGS C-01 THROUGH C-02 FOR GRADING OF NORTH LANDFILL PERIMETER DITCH AND U-DITCH GRADING.



CONTROL POINTS			
POINT #	NORTHING	EASTING	DESCRIPTION
1	305042.6	1004265.3	ROAD EDGE
2	305059.6	1004277.0	ROAD EDGE
3	305052.2	1004346.9	ROAD EDGE
4	305029.2	1004446.9	ROAD EDGE
5	305002.3	1004318.1	ROAD EDGE
6	305014.3	1004445.6	ROAD EDGE
7	304631.4	1005564.7	ROAD EDGE
8	304614.0	1005562.7	ROAD EDGE
9	304587.5	1005619.1	ROAD EDGE
10	304574.9	1005608.3	ROAD EDGE
11	305022.3	1004442.0	BC
12	305021.9	1004449.2	EC
13	305006.8	1004804.7	BC
14	305006.7	1004811.9	EC
15	305014.5	1005069.2	BC
16	305002.7	1005122.5	EC
17	304969.4	1005201.7	BC
18	304952.1	1005229.5	EC
19	304677.2	1005535.5	BC
20	304664.2	1005547.0	EC
21	304570.3	1005616.9	ALIGNMENT END

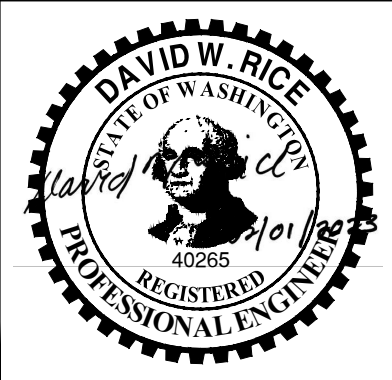


**A ACCESS ROAD PROFILE**  
 HORIZONTAL SCALE: 1" = 60'  
 VERTICAL SCALE: 1" = 30'

**1 GRAVEL ACCESS ROAD**  
 SCALE: NTS  
 NOTE: COMPACT CSBC TO 95% MAXIMUM DRY DENSITY PER ASTM D-1557.

**ISSUED FOR CONSTRUCTION**

0730-PL-020 (West Pump Station)dwg 60-DR-02  
 Feb 01, 2023 10:24am ch Hewett



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
Δ	02/01/23	CH	RD	ISSUED FOR CONSTRUCTION

DESIGNED BY: J. SEXTON  
 DRAWN BY: C. HEWETT  
 CHECKED BY: E. VOGES  
 APPROVED BY: D. RICE  
 SCALE: AS NOTED  
 DATE: FEBRUARY 2023

**FORMER REYNOLDS METALS REDUCTION PLANT - LONGVIEW**  
**WLF PUMP STATION: ACCESS PLAN**

**DR-02**  
 SHEET # 62 OF 114