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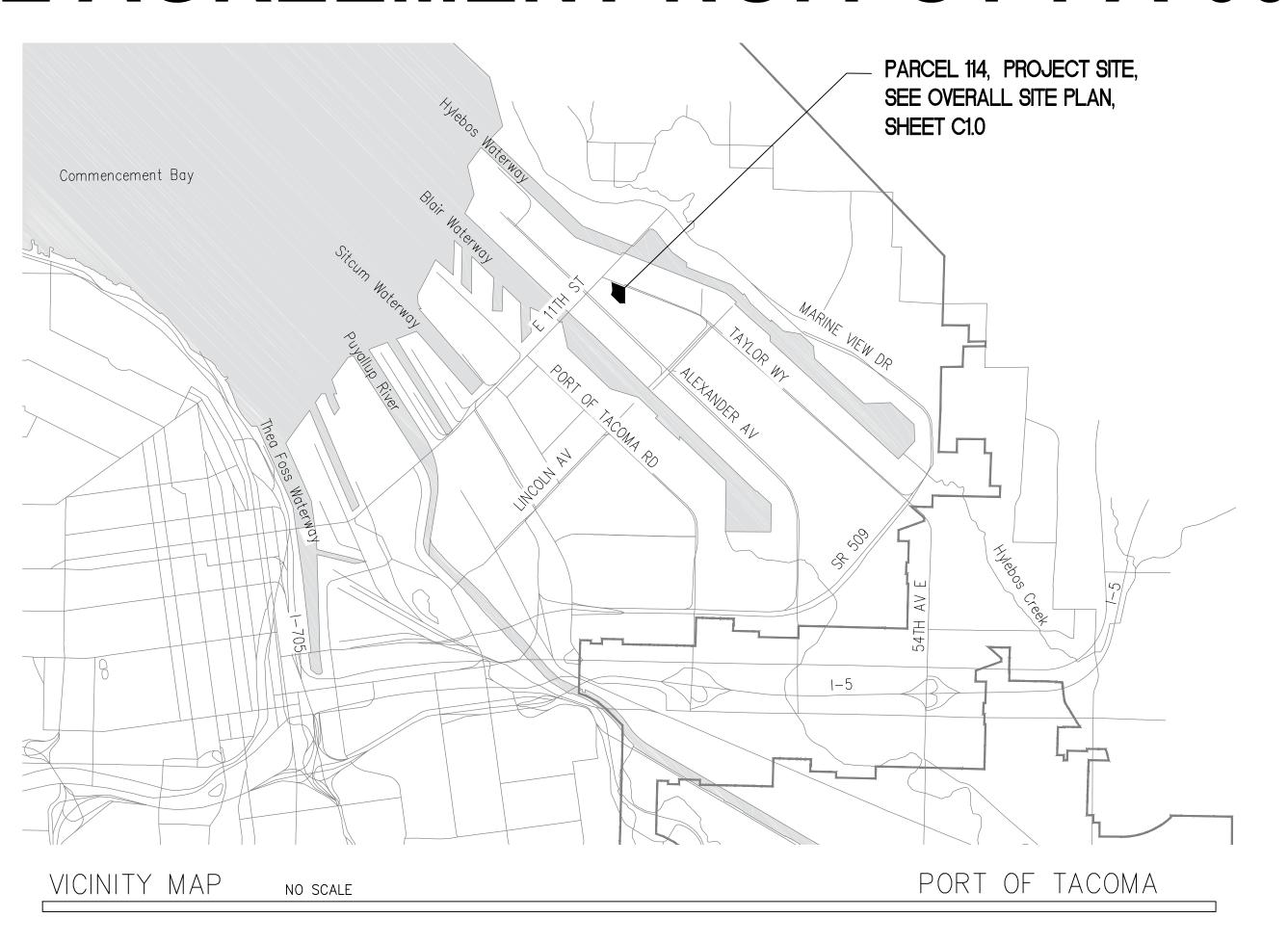
## PORT PARCEL 114 SITE CLEANUP INTERIM ACTION EXCAVATION PROJECT ID NO. 92839 PURCHASE AGREEMENT NO. POT-PA-00000343

## PORT COMMISSIONERS:

RICHARD P. MARZANO **DON MEYER** JOHN MCCARTHY **KRISTIN ANG DEANNA KELLER** 

### **PORT STAFF:**

**ERIC JOHNSON Port of Tacoma Executive Director** THAIS HOWARD, P.E. Director of Engineering **ELLY BULEGA, P.E. Project Manager** 



#### PROJECT INFORMATION:

SITE ADDRESS: 1202 TAYLOR WAY, TACOMA, WA 98401-1837 SITE PARCEL: PIERCE COUNTY TPN 0321263016 PROPERTY OWNER: P.O. BOX 1837 TACOMA. WA 98401-1837 ZONING: EXCAVATE AND DISPOSE CONTAMINATED SOIL BENEATH PQ CORPORATION SITE. BACKFILL WITH CLEAN FILL MATCH PRE-EXCAVATION ELEVATIONS. SCOPE OF WORK: MATERIAL TO 174,020 S.F. (3.99 ACRES) TOTAL PARCEL AREA: 97,200 S.F. TOTAL PROJECT AREA: NEW AND REPLACED HARD SURFACE: VEGETATION CONVERTED TO LAWN/LANDSCAPE 69,120 S.F. EXISTING HARD SURFACE CONVERTED TO VEGETATION 28,080 S.F.

#### INDEX OF DRAWINGS

COVER SHEET

ESTIMATED EARTHWORK:

GENERAL CIVIL NOTES ENLARGED DEMOLITION AND TESC PLAN OVERALL SITE PLAN ENLARGED CONCEPTUAL EXCAVATION GRADING PLAN ENLARGED FINAL GRADING AND SURFACING PLAN

MISC. SECTIONS AND DETAILS

BID SET

12,200 CY CUT (12,200 CY EXPORT) 11,700 CY FILL (11,700 CY IMPORT) 23,900 CY TOTAL (500 CY NET CUT)



Project Mgr.:

Call 811 two business days before you dig

AUGUST 16, 2025

CIVIL | STRUCTURAL | ARCHITECTURAL | SURVEY **TACOMA, WA. 98409** PHONE: (253) 474-9449 FAX: (253) 474-0153

sitts&hill

http://www.sittshill.com/ Contact: Don Davis, P.E. Email: dond@sittshill.com

#### HORIZONTAL DATUM

WASHINGTON PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 83/2011 (PER PORT OF TACOMA SURVEY CONTROL MAP - 2016)

MEASURED NORTH 45°53'30" WEST BETWEEN TWO FOUND MONUMENTS ALONG ALEXANDER AVE AS SHOWN

#### VERTICAL DATUM

MLLW (PER PORT OF TACOMA 2016 SURVEY CONTROL MAP)

TIDE 22 1933 BENCHMARK: LOCATED AT NE CORNER OF 11TH ST. BRIDGE AT THE INTERSECTION OF E. 11TH ST. AND MILWAUKEE WAY ELEVATION = 19.18

(BASED ON 1983-2001 TIDAL EPOCH)

TO CONVERT TO NGVD29 VALUES, REDUCE ALL ELEVATIONS BY 5.96 FEET (-5.96)

PORT OF TACOMA MONUMENT NO. 121 T.B.M. ELEVATION: 17.22 3" BRASS DISK WITH RED "X" DOWN 0.7'± IN CASE VISITED 07/30/2024

PORT OF TACOMA MONUMENT NO. 184 T.B.M. ELEVATION: 17.82 3" BRASS DISK WITH "X" DOWN 0.3'± IN CASE VISITED 07/30/2024

#### PROJECT NOTES

- SPOT ELEVATIONS, UNDERGROUND UTILITIES, AND SURFACE FEATURES SHOWN ON THESE PLANS ARE AS SHOWN ON TOPOGRAPHIC MAPS PREPARED BY SITTS AND HILL ENGINEERS INC. FROM FIELD WORK GATHERED IN JULY THROUGH OCTOBER 2024 UNDER JOB #20,618. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING FEATURES, ELEVATIONS, AND PROPERTY LINES SHOWN. IF DISCREPANCIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SURVEY MONUMENTS AND OTHER SURVEY MARKERS DURING CONSTRUCTION. ALL SUCH MONUMENTS OR MARKERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL ON-SITE AND SHALL COORDINATE HIS ACTIVITIES WITH THE ENGINEER A MINIMUM OF THREE (3) DAYS IN ADVANCE OF THE BEGINNING OF WORK. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL TRAFFIC CONTROL SIGNS. SAFE VEHICULAR AND PEDESTRIAN ACCESS SHALL BE PROVIDED AT ALL TIMES DURING CONSTRUCTION. SHUTDOWN OF OWNER OPERATION OR ACCESS WILL NOT BE PERMITTED. A MINIMUM OF ONE LANE SHALL REMAIN OPEN AT ALL TIMES DURING CONSTRUCTION.
- THE BURIED UTILITIES ON THIS PROJECT ARE SHOWN IN THEIR APPROXIMATE LOCATION WHERE KNOWN. OTHER EXISTING BURIED UTILITIES MAY NOT BE SHOWN ON THESE PLANS. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND HAVE THEIR LOCATION MARKED ON THE GROUND PRIOR TO CONSTRUCTION. THE CONTRACTOR WILL PROTECT, OR IMMEDIATELY REPAIR, ANY DAMAGED UTILITY "DISCOVERED" ON THIS PROJECT WITHOUT ADDITIONAL COSTS.
- CALL THE UNDERGROUND LOCATE LINE 1-800-424-5555, AND A PRIVATE UTILITY LOCATE. A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATIONS.
- WHERE CONFLICTS OCCUR BETWEEN EXISTING FEATURES AND THE PLACEMENT OF NEW FACILITIES, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BY THE CONTRACTOR, AND WILL BE RESOLVED BY THE ENGINEER.
- THE CONTRACTOR FOR THIS PROJECT SHALL MAINTAIN A CLEAN, LEGIBLE SET OF THESE PLANS AND NOTE ALL DEVIATIONS THEREON. UPON COMPLETION OF CONSTRUCTION, THESE DRAWINGS SHALL BE DELIVERED TO THE ENGINEER FOR THE PREPARATION OF RECORD DRAWINGS.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT TO PREVENT UTILITY INTERRUPTION.
- PRIOR TO BIDDING, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO MAKE ALL NECESSARY SITE INSPECTIONS AND DETERMINATIONS OF ITEMS AND QUANTITIES OF WORK TO ENSURE THAT ALL ITEMS OF WORK NECESSARY TO PERFORM A COMPLETE AND ACCEPTABLE JOB HAVE BEEN TAKEN INTO CONSIDERATION.

#### STOCKPILE NOTES

- 1. TEMPORARY STOCKPILING OF MATERIALS SHALL FOLLOW BMPS ESTABLISHED IN SWPPP.
- 2. PLACE STOCKPILES ON LAYERED PLASTIC SHEETS WITH A COMBINED THICKNESS OF NO LESS THAN 6 MILS.
- STOCKPILES SHALL BE STABILIZED (WITH PLASTIC COVERING OR OTHER APPROVED DEVICE) WHEN
- IN ANY SEASON, SEDIMENT LEACHING FROM STOCK PILES MUST BE PREVENTED.
- TOPSOIL SHALL NOT BE PLACED WHILE IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBGRADE IS EXCESSIVELY WET OR WHEN CONDITIONS EXIST THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING OR PROPOSED SODDING OR SEEDING.
- PREVIOUSLY ESTABLISHED GRADES ON THE AREAS TO BE TOPSOILED SHALL BE MAINTAINED ACCORDING TO THE APPROVED PLAN.

#### PLASTIC COVERING NOTES

- PLASTIC SHEETING SHALL HAVE A MINIMUM THICKNESS OF 6 MILS AND SHALL MEET THE REQUIREMENTS OF THE PROJECT SPECIFICATIONS.
- COVERING SHALL BE INSTALLED AND MAINTAINED TIGHTLY IN PLACE BY USING SANDBAGS OR TIRES ON ROPES WITH A MAXIMUM 10-FOOT GRID SPACING IN ALL DIRECTIONS. ALL SEAMS SHALL BE TAPED OR WEIGHTED DOWN FULL LENGTH AND THERE SHALL BE AT LEAST A 12-INCH OVERLAP OF ALL SEAMS.
- CLEAR PLASTIC COVERING SHALL BE INSTALLED IMMEDIATELY ON AREAS SEEDED BETWEEN NOVEMBER 1 AND MARCH 31 AND REMAIN UNTIL VEGETATION IS FIRMLY ESTABLISHED.
- WHEN THE COVERING IS USED ON UN-SEEDED SLOPES, IT SHALL BE KEPT IN PLACE UNTIL THE NEXT SEEDING PERIOD.
- PLASTIC COVERING SHEETS SHALL BE BURIED TWO FEET AT THE TOP OF SLOPES IN ORDER TO PREVENT SURFACE WATER FLOW BENEATH SHEETS.
- PROPER MAINTENANCE INCLUDES REGULAR CHECKS FOR RIPS AND DISLODGED ENDS.

#### SEASONAL LIMITATIONS ON CONSTRUCTION ACTIVITIES

THE FOLLOWING SHALL BE ADHERED TO ON ALL CONSTRUCTION SITES WITH EROSIVE SOILS AND/OR A GRADIENT OF GREATER THAN TWO PERCENT FOR LIMITING EXPOSED SOILS TO EROSIVE PROCESSES.

#### MAY 1ST TO SEPTEMBER 30TH (DRY SEASON)

THE CLEARING OF LAND, INCLUDING THE REMOVAL OF EXISTING VEGETATION OR OTHER GROUND COVER, MUST BE LIMITED TO ONLY AS MUCH LAND AREA AS CAN RECEIVE APPROPRIATE PROTECTIVE COVER OR BE OTHERWISE STABILIZED AFTER HAVING BEEN CLEARED OR OTHERWISE DISTURBED BY NO LATER THAN SEPTEMBER 30TH OF A GIVEN YEAR. UNLESS IMMEDIATE STABILIZATION IS SPECIFIED IN THE EROSION AND SEDIMENTATION CONTROL PLAN. ALL AREAS CLEARED OR OTHERWISE DISTURBED MUST BE APPROPRIATELY STABILIZED THROUGH THE USE OF MULCHING, NETTING, PLASTIC SHEETING, EROSION BLANKETS, FREE DRAINING MATERIALS, ETC.

IN THE EVENT THAT CONSTRUCTION ACTIVITIES OR OTHER SITE DEVELOPMENT ACTIVITIES ARE DISCONTINUED FOR FOUR CONSECUTIVE DAYS OR MORE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSPECTION OF ALL EROSION AND SEDIMENTATION CONTROL FACILITIES IMMEDIATELY AFTER STORM EVENTS AND AT LEAST ONCE EVERY WEEK. THE CONTRACTOR SHALL BE RESPONSIBLE TO THE MAINTENANCE AND REPAIR OF ALL EROSION AND SEDIMENTATION CONTROL FACILITIES.

THE CONTRACTOR SHALL PROVIDE MATERIALS ONSITE READILY AVAILABLE TO IMMEDIATELY STABILIZE DENUDED AREAS DURING PERIODS OF INCLEMENT WEATHER WHICH RESULT IN EROSION AND SEDIMENT TRANSPORT OFFSITE.

THE CONTRACTOR SHALL ENSURE THE PROPER CONTINUED FUNCTIONING OF THE ESC FACILITIES BY PROMPT CLEANING AND MAINTENANCE AFTER EACH EROSION AND SEDIMENT PRODUCING RAINFALL EVENT.

#### OCTOBER 1ST TO APRIL 30TH (WET SEASON)

ON SITES WHERE UNINTERRUPTED CONSTRUCTION ACTIVITY IS IN PROGRESS, THE CLEARING OF LAND, INCLUDING THE REMOVAL OF EXISTING VEGETATION OR OTHER GROUND COVER, SHALL BE LIMITED TO ONLY AS MUCH LAND AREA AS CAN BE COVERED OR STABILIZED WITHIN 24 HOURS IN THE EVENT A MAJOR STORM IS PREDICTED AND/OR EROSION/SEDIMENT TRANSPORT OFFSITE IS OBSERVED.

ADDITIONALLY, ALL CLEARED OR DISTURBED AREAS WILL RECEIVE APPROPRIATE PROTECTIVE COVER OR BE OTHERWISE STABILIZED (SUCH AS MULCHING, NETTING, PLASTIC SHEETING, EROSION BLANKETS, FREE DRAINING MATERIAL, ETC.,) WITHIN FIVE DAYS AFTER HAVING BEEN CLEARED OR OTHERWISE DISTURBED IF NOT BEING ACTIVELY WORKED. FILTER FABRIC FENCING, SEDIMENT TRAPS, SEDIMENT PONDS, ETC., WILL NOT BE VIEWED AS ADEQUATE COVER IN AND OF THEMSELVES. IN THE EVENT THAT ANY LAND AREA NOT BEING ACTIVELY WORKED REMAINS UNPROTECTED OR HAS NOT BEEN APPROPRIATELY STABILIZED FIVE DAYS AFTER HAVING BEEN CLEARED, ALL CONSTRUCTION ACTIVITY ON THE SITE, EXCEPT FOR APPROVED EROSION AND SEDIMENTATION CONTROL ACTIVITY, SHALL IMMEDIATELY CEASE UNTIL SUCH A TIME AS SAID LAND HAS BEEN APPROPRIATELY PROTECTED OR STABILIZED.

THE CONTRACTOR SHALL AT ALL TIMES HAVE AVAILABLE FOR THE PROJECT SUFFICIENT QUANTITIES OF PROTECTIVE COVERING MATERIALS TO IMMEDIATELY STABILIZE ALL DISTURBED AREAS IN CASE THE PROJECT ENGINEER OR CITY DIRECTS THEM TO COVER DUE TO OBSERVED MIGRATION OF SOILS OR INCLEMENT WEATHER.

#### POLLUTION PREVENTION NOTES

- PREVENT OILS AND FUELS FROM ENTERING THE STORM DRAINAGE SYSTEM AND WATERWAYS WITH PROPER CONTAINMENT DEVICES.
- ACCESS TO CONSTRUCTION IS VIA ADJACENT EXISTING PAVED STREETS OR THE PROPOSED CONSTRUCTION ENTRANCE. SWEEP DIRT FROM PAVING DAILY OR AS NEEDED. THE INTENT IS TO PREVENT DIRT AND DEBRIS FROM VEHICLES AND EQUIPMENT FROM BEING DEPOSITED ON PUBLIC
- 3. SPILL CLEANUP PROCEDURES SHALL BE POSTED ON-SITE. IN CASE OF A SPILL THAT MAY ENTER GROUNDWATER, SURFACE WATER, OR STORM DRAIN SYSTEM, CONTACT THE DIVISION OF EMERGENCY MANAGEMENT AT (800) 258-5990. SPILLS SHALL BE CLEANED UP IMMEDIATELY AND CONTAMINATED MATERIAL DISPOSED OF PROPERLY.
- THE CONTRACTOR SHALL PREVENT ALL MATERIAL USED OR GENERATED ON-SITE FROM ENTERING THE STORM DRAINAGE SYSTEM AND SHALL PREVENT ALL STORMWATER RUNOFF AND/OR SEDIMENT FROM LEAVING THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADEQUATE CONTAINMENT/SEPARATION AT ALL TIMES. ALL STORMWATER POLLUTION PREVENTION MEASURES SHALL BE COORDINATED WITH ENGINEER TO ENSURE COMPLIANCE WITH APPLICABLE STORMWATER PERMITS. CONTACT PORT OF TACOMA A MINIMUM OF TWO (2) WEEKS PRIOR TO THE START OF CONSTRUCTION.
- 5. THE CONTRACTOR SHALL SUBMIT DOCUMENTATION SUPPORTING THE CURRENT CERTIFICATION OF THE CONTRACTOR'S DESIGNATED CERTIFIED EROSION AND SEDIMENT CONTROL LEAD (CESCL). THE DOCUMENT SHALL CONTAIN AT A MINIMUM THE FOLLOWING INFORMATION: NAME, CESCL NUMBER, AND EXPIRATION DATE.
- THE CONTRACTOR SHALL SUBMIT FOR APPROVAL A SAMPLE OF THE SITE LOG BOOK TO BE USED ON THE PROJECT FOR MAINTAINING EROSION CONTROL INSPECTION, OBSERVATION, CHECKLIST, AND CORRECTION REPORTS. UPON APPROVAL THE CONTRACTOR SHALL KEEP AND MAINTAIN THE SITE LOG BOOK ON-SITE DURING CONSTRUCTION.
- THE CONTRACTOR SHALL COMPLETE AN EROSION CONTROL CHECKLIST, CAREFULLY REVIEW, AND MAINTAIN ALL STORMWATER POLLUTION PREVENTION MEASURES DAILY BETWEEN NOVEMBER 1 AND MARCH 31 AND WEEKLY DURING ALL OTHER CONSTRUCTION SEASONS. SCOPE OF DAILY INSPECTION SHALL BE COORDINATED WITH THE ENGINEER.
- CHECKLISTS AND MAINTENANCE INFORMATION SHALL BE KEPT IN THE SITE LOG BOOK (MAINTAINED BY THE CESCL DESIGNATED BY THE CONTRACTOR) AND BE AVAILABLE FOR REVIEW BY THE ENGINEER AND/OR GOVERNING AGENCY.
- MONTHLY DURING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT A COPY OF ALL RECENT INSPECTION, OBSERVATION, CHECKLIST, AND CORRECTION REPORTS TO THE ENGINEER.

#### **DEMOLITION NOTES**

- REMOVE ALL DELETERIOUS MATERIAL FOUND WITHIN THE AREA OF DISTURBANCE, INCLUDING VEGETATION, SCRAP WOOD, TRASH, ETC., AND DISPOSE OF AT AN APPROVED OFF-SITE LOCATION.
- AT ALL TIMES THE CONTRACTOR SHALL MAINTAIN SIGNS, BARRICADES, FENCING, OR OTHER MEASURES TO ENSURE CONTINUOUS PROTECTION OF THE PUBLIC AND TO PREVENT UNAUTHORIZED ENTRY TO THE CONSTRUCTION AREA. AT A MINIMUM FENCING SHALL BE 6.0 FEET HIGH. COORDINATE SAFETY AND SECURITY MEASURES WITH PORT OF TACOMA.
- DAMAGE TO ANY PROPERTY, INCLUDING BUT NOT LIMITED TO, BUILDINGS, UTILITIES, VEHICLES, FENCING, OR LANDSCAPING AS A RESULT OF CONTRACTORS ACTIVITIES WILL BE REPAIRED OR REPLACED AT THE CONTRACTORS EXPENSE.
- 4. THE CONTRACTOR IS FINANCIALLY RESPONSIBLE FOR THE MAINTENANCE AND/OR REPAIR OF OFF-SITE AND ON-SITE PAVED SURFACES WHERE DAMAGE HAS BEEN SUSTAINED DUE TO THE DEVELOPMENT'S CONSTRUCTION TRAFFIC.

#### **EXCAVATION NOTES**

- 1. EXCAVATE TO ELEVATIONS, LINES AND GRADES INDICATED TO NOT MORE THAN 1/2-INCH ABOVE OR BELOW THAT REQUIRED.
- 2. SLOPE SIDES OF EXCAVATION AS INDICATED OR COMPLY WITH LOCAL CODES AND ORDINANCES HAVING JURISDICTION, WHICHEVER IS MORE STRINGENT. SHORE AND BRACE WHERE SLOPING IS NOT POSSIBLE BECAUSE OF SPACE RESTRICTIONS OR STABILITY OF MATERIAL EXCAVATED. CONTRACTOR SHALL MAXIMIZE THE SLOPE OF EXCAVATION SIDEWALLS TO THE EXTENT PRACTICAL, SUBJECT TO MAINTAINING SLOPE STABILITY AND SAFE WORKING CONDITIONS.
- 3. STOCKPILE EXCAVATED MATERIALS LOADED FOR OFF-SITE DISPOSAL. PLACE, GRADE AND SHAPE STOCKPILES FOR PROPER DRAINAGE. LOCATE AND RETAIN SOIL MATERIALS AWAY FROM EDGE OF EXCAVATIONS AND NO CLOSER THAN 25 FEET FROM PROJECT LIMITS.
- 4. DISPOSE OF ALL EXCAVATED MATERIAL OFF-SITE AS DIRECTED.
- 5. DEWATERING WILL LIKELY BE REQUIRED DURING EXCAVATION AND CONSTRUCTION
- 6. FINAL EXTENTS OF EXCAVATION WILL BE DETERMINED BY ENGINEER'S SAMPLING, EXTENTS SHOWN ON THIS PLAN SET ARE MINIMUM EXTENTS.

#### DEWATERING NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING ALL EXCAVATIONS. ALL WATER GENERATED FROM DEWATERING OPERATIONS SHALL BE DISPOSED OF IN A MANNER AND LOCATION APPROVED BY THE TESC PLAN, CITY OF TACOMA, AND THE ENGINEER. CONTRACTOR SHALL PREPARE AND SUBMIT A DEWATERING PLAN PRIOR TO COMMENCING CONSTRUCTION.
- CONTRACTOR TO ANTICIPATE GROUNDWATER AND PROVIDE ALL EQUIPMENT NECESSARY TO DEWATER EXCAVATIONS AS DESCRIBED IN THE SPECIFICATIONS, SO AS TO MAINTAIN UNSATURATED CONDITIONS (NO STANDING WATER) AND ALLOW HANDLING OF UNSATURATED SOILS, AND TO THEN HANDLE, PRE-TREAT, AND DISCHARGE THE EXTRACTED WATER TO MEET WATER QUALITY REQUIREMENTS OF THE CITY OF TACOMA'S SPECIAL AUTHORIZATION TO DISCHARGE OBTAINED FOR THE PROJECT.
- CONTRACTOR TO ANTICIPATE GROUNDWATER IS CONTAMINATED, INCLUDING POTENTIAL PRESENCE OF PETROLEUM SHEEN.
- 4. ALL GROUNDWATER OR INCIDENTAL SURFACE RUNOFF COLLECTED SHALL BE DISCHARGED TO THE CITY OF TACOMA SANITARY SEWER SYSTEM IN ACCORDANCE WITH ALL REQUIREMENTS OF THE CITY'S SPECIAL AUTHORIZATION TO DISCHARGE PERMIT OBTAINED FOR THE PROJECT BY PORT OF TACOMA.
- NO SEDIMENT, TURBID WATER, OR OTHER POLLUTANTS (HEAVY METALS, OIL SHEEN, ETC.) SHALL BE DISCHARGED TO THE CITY OF TACOMA SANITARY SEWER SYSTEM. ANY TREATMENT OF COLLECTED WATER SHALL BE PROPOSED IN THE CONTRACTOR'S DEWATERING PLAN AND APPROVED BY THE ENGINEER PRIOR TO DISCHARGE.
- A LOG OF ALL DISCHARGED WATER SHALL BE KEPT ON-SITE AT ALL TIMES DURING CONSTRUCTION. AT A MINIMUM, THE LOG SHALL CONTAIN THE FOLLOWING ITEMS:
- DATE DISCHARGED
- SOURCE OF WATER METHOD OF COLLECTION (PUMP TO TANK, ETC.)
- METHOD OF DISCHARGE (DRAIN FROM TANK, PUMPED DISCHARGE, ETC.) VOLUME OF WATER DISCHARGED AND MAXIMUM RATE OF DISCHARGE
- DISCHARGE LOCATION DURATION OF DISCHARGE
- 7. THE CONTRACTOR SHALL OBTAIN PRIOR APPROVAL FROM THE ENGINEER FOR ANY OFF-SITE DISPOSAL OF WATER, SEDIMENT, OR DEBRIS.

#### GRAVEL BORROW BACKFILL NOTES

GRAVEL BORROW BACKFILL SHALL CONSIST OF GRAVEL BORROW PER WSDOT 9-03.14 (1) MODIFIED FROM 7% TO 5% PASSING THE NO. 200 SIEVE, COMPACTED TO A MINIMUM DENSITY OF 90% (BASED ON ASTM D-1557). FILL SHALL BE PLACED IN HORIZONTAL LIFTS NOT EXCEEDING 12" IN LOOSE THICKNESS, AND EACH LIFT SHALL BE THOROUGHLY COMPACTED WITH A MECHANICAL COMPACTOR. COMPACTION OF BACKFILL SHALL BE VERIFIED BY MEANS OF IN-PLACE DENSITY TESTS BY THE SPECIAL INSPECTOR, PERFORMED DURING FILL PLACEMENT.

WHERE SUBGRADE OR LAYER OF SOIL MATERIAL MUST BE MOISTURE CONDITIONED BEFORE COMPACTION. UNIFORMLY APPLY WATER TO SURFACE OF SUBGRADE OR LAYER OF SOIL MATERIAL TO PREVENT FREE WATER APPEARING ON SURFACE DURING OR SUBSEQUENT TO COMPACTION OPERATIONS. REMOVE AND REPLACE, OR SCARIFY AND AIR DRY, SOIL MATERIAL THAT IS TOO WET TO PERMIT COMPACTION TO SPECIFIED DENSITY. SOIL MATERIAL THAT HAS BEEN REMOVED BECAUSE IT IS TOO WET TO PERMIT COMPACTION MAY BE STOCKPILED OR SPREAD AND ALLOWED TO DRY. ASSIST DRYING BY DISKING, HARROWING OR PULVERIZING UNTIL MOISTURE CONTENT IS REDUCED TO SATISFACTORY VALUE.

EXCAVATION BACKFILL SHALL NOT BE STOCKPILED OR STAGED IN THE WETLAND BUFFER.



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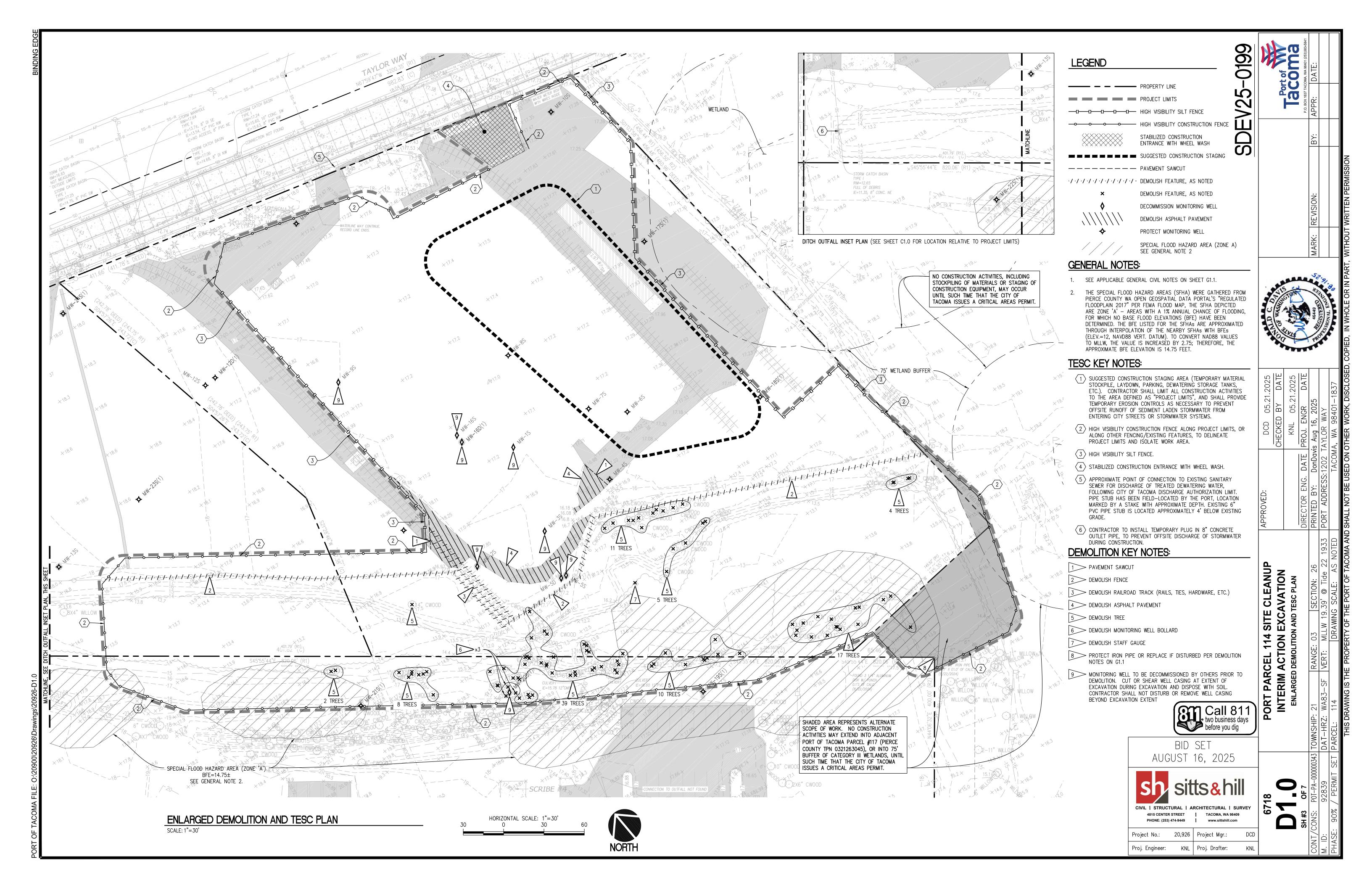
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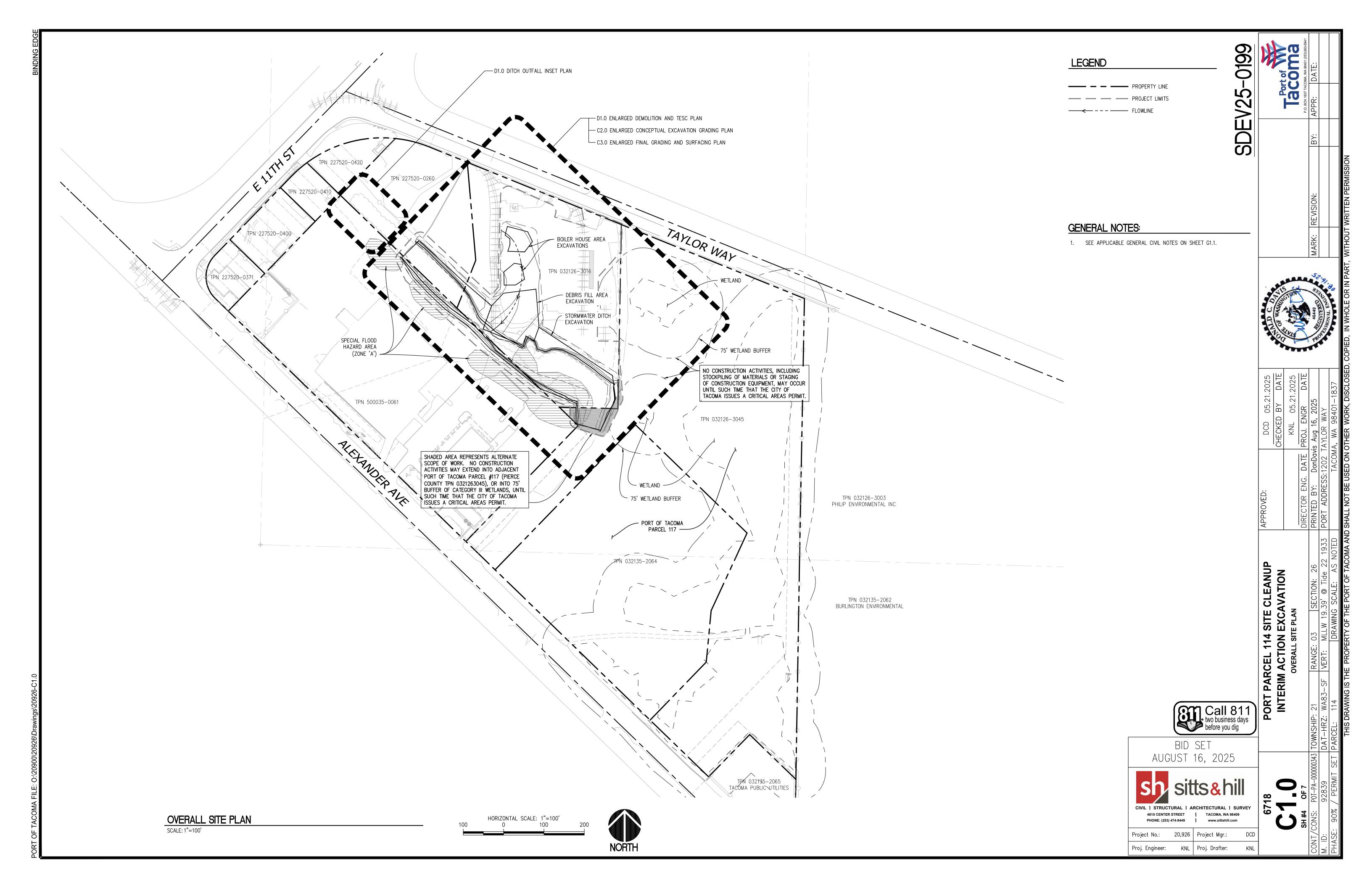
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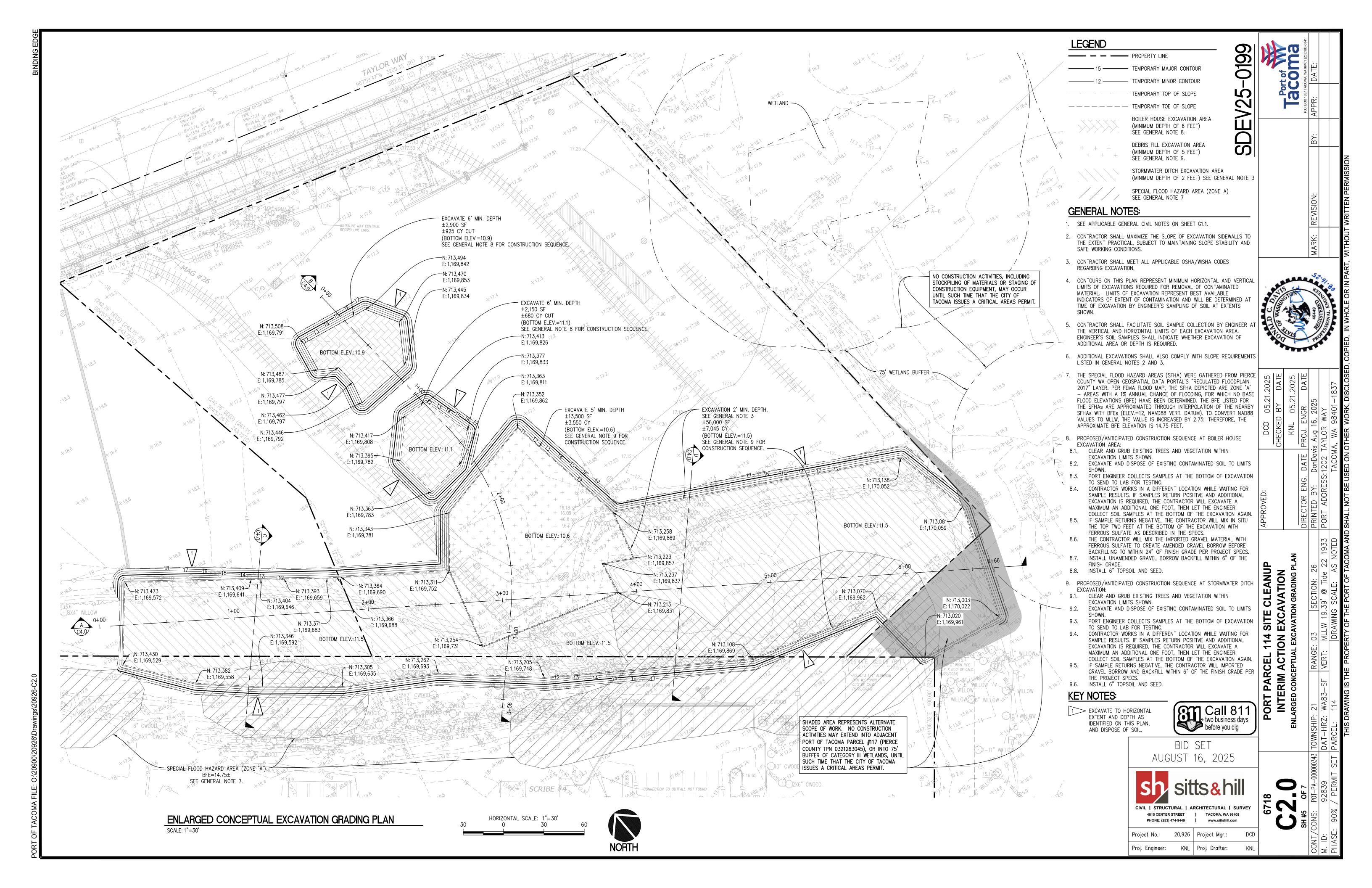
CIVIL | STRUCTURAL | ARCHITECTURAL | SURVEY 4815 CENTER STREET TACOMA. WA 98409 PHONE: (253) 474-9449

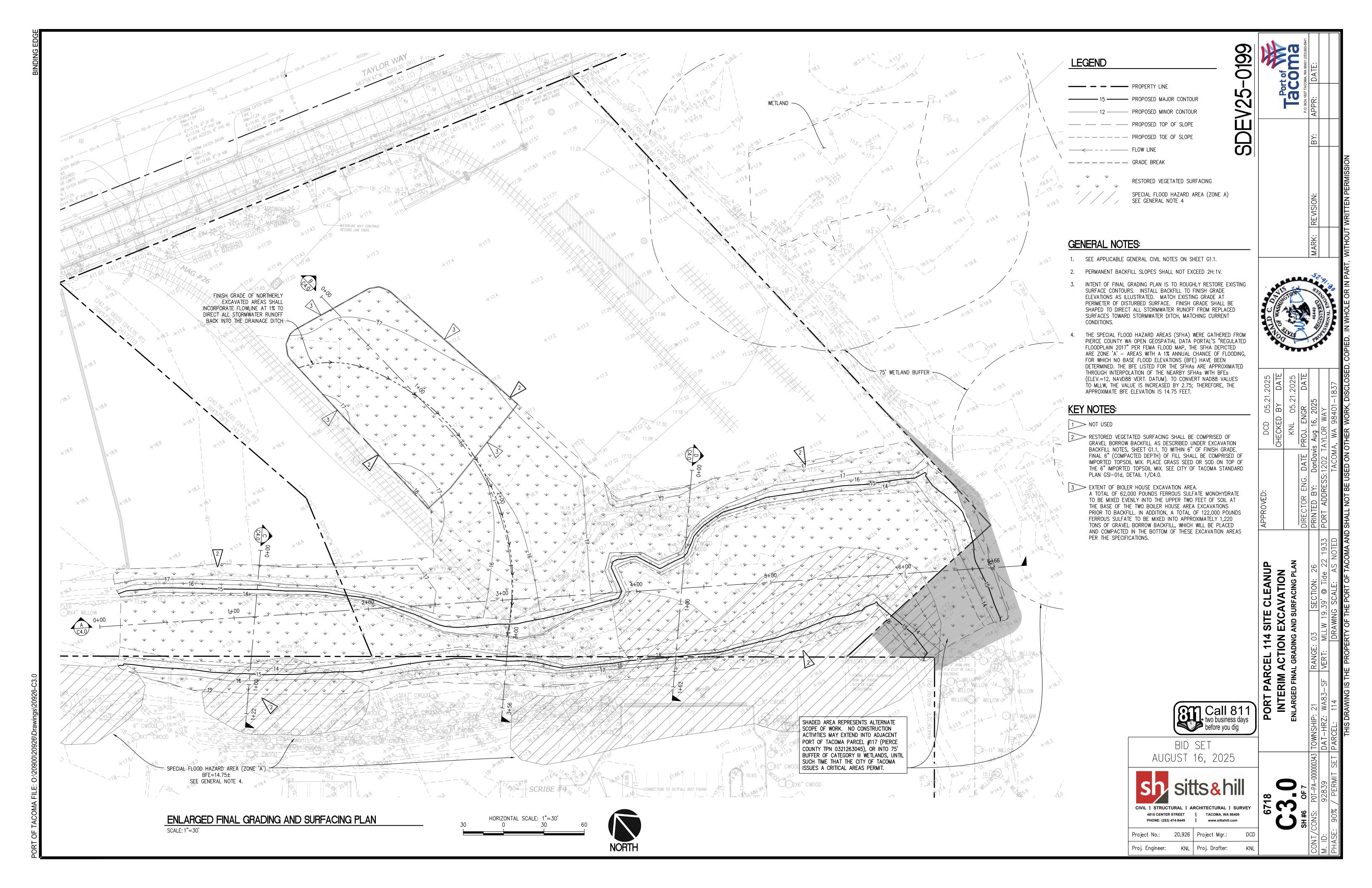
www.sittshill.com 20,926 | Project Mgr.: Project No.: Proj. Drafter: Proj. Engineer: KNL

**67** 









 $\pm$  1.5H:1V SLOPE MAX. (TYP.) - FINISH GRADE — EXCAVATION GRADE - EXISTING GRADE SITE PROFILE (LOOKING EAST) SEE ALIGNMENT 'C' ON SHEETS C2.0 AND C3.0.

SCALE: HORZ: 1"=30' VERT: 1"=5'

-1.5H:1V SLOPE MAX. (TYP.)—  $\overline{\phantom{m}}$  1.5H:1V SLOPE MAX. (TYP.) - FINISH GRADE EXCAVATION GRADE - EXISTING GRADE 2' AVG. DEPTH BOTTOM ELEV: 11.5 1+80 1+9Ŏ SITE PROFILE (LOOKING EAST) SEE ALIGNMENT 'D' ON SHEETS C2.0 AND C3.0.

SCALE: HORZ: 1"=30' VERT: 1"=5'

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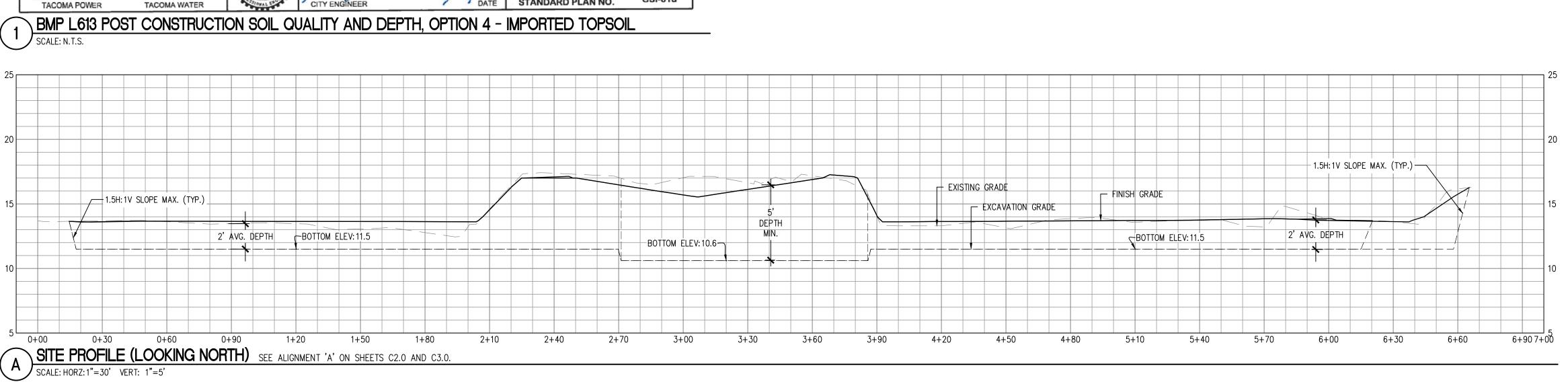
PORT PARCEL 114 SITE CLEANUP INTERIM ACTION EXCAVATION MISC. SECTIONS AND DETAILS

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1.5H:1V SLOPE MAX. (TYP.)

BOTTOM ELEV: 11.5

3+60 3+70

EXISTING GRADE

- EXCAVATION GRADE

FINISH GRADE

SITE PROFILE (LOOKING EAST)

SEE ALIGNMENT 'B' ON SHEETS C2.0 AND C3.0.

SCALE: HORZ: 1"=30' VERT: 1"=5'

BOTTOM ELEV: 11.1

 $\perp$  1.5H:1V SLOPE MAX. (TYP.)

BOTTOM ELEV: 10.9

HORIZONTAL SCALE: 1"=30'

VERTICAL SCALE: 1"=5"