KLICKITAT COUNTY

PUBLIC WORKS DEPARTMENT

115 WEST COURT STREET, BOX 303, GOLDENDALE , WASHINGTON 98620 • FAX 509 773-5713 • VOICE 509 773-4616
JEFF HUNTER - PUBLIC WORKS DIRECTOR

Addendum No. 1

BID SET
Goldendale Fuel Facility

Issued: March 17, 2026
Bid Opening Date: March 24, 2026

The Contract Documents for this project are amended as follows:

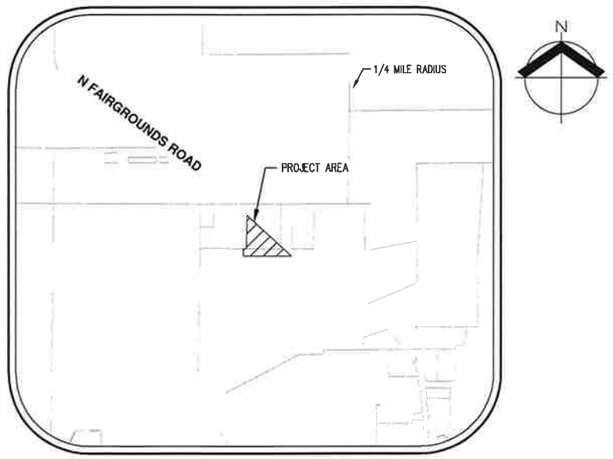
1. In the Construction Plans remove the Civil set, pages C000–C501 and replace it with the attached revised Civil set pages C000–C501.
2. In the Construction Plans remove Electrical pages E1.1, E1.3, E1.4, and E1.5 and replace them with the attached revised sheets E1.1, E1.3, E1.4, and E1.5 respectively.
3. In the Construction Plans remove Mechanical pages M0.2 and M2.1 and replace them with the attached revised sheets Mo.2 and M2.1 respectively.
4. In the Proposal for Bidding remove Bid Sheets 1-2 and replace them with the attached Bid Sheets 1-2.

All Bidders shall acknowledge receipt of this addendum by filling in the number "1" at the appropriate space on the Proposal Signature page. Failure to do so will result in an irregular proposal and will be rejected. This addendum will be incorporated in the contract when awarded and when formally executed.

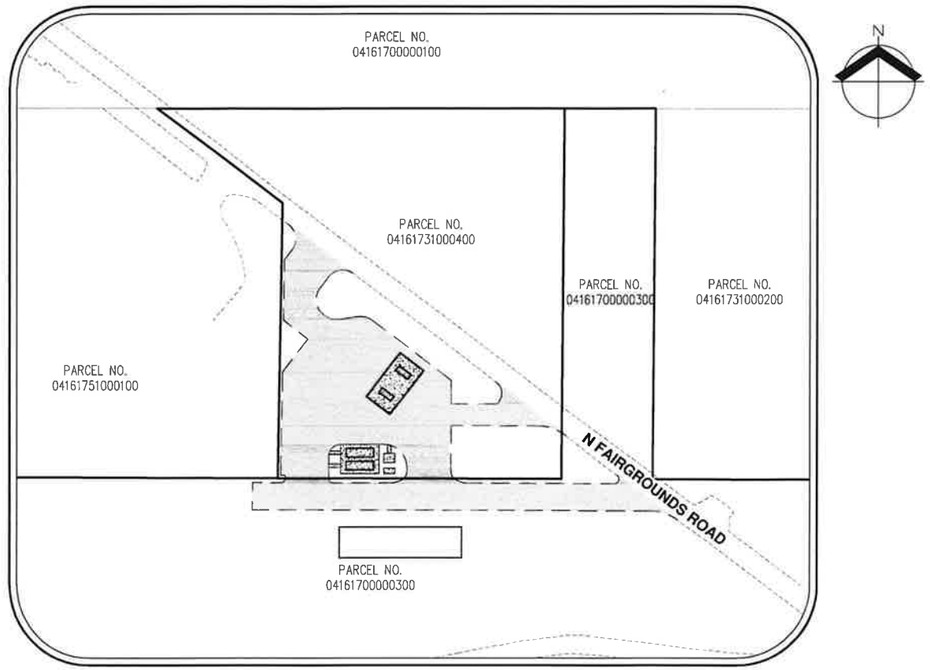
Rick Millliren
Deputy Director of Facilities
Phone – 509.773.2375
Cell – 509.250.1300
Email – rickm@klickitatcounty.org

GOLDENDALE FUEL FACILITY

CONSTRUCTION PLANS



VICINITY MAP
N.T.S.



SITE MAP
N.T.S.

UTILITY CONTACTS

GAS
AVISTA UTILITIES
1411 E. MISSION AVENUE
SPOKANE, WA 98252
PH: 800-939-6629

POWER/WATER/SEWER
KLICKITAT COUNTY PUBLIC UTILITY DIST #1
1313 S COLUMBUS AVE
GOLDENDALE, WA 98620-9578
PH: 509-773-5891

EXISTING LAND USE
VACANT LOT; LAND USE CODE 67: SERVICE - GOVERNMENT.

ARCHAEOLOGICAL NOTE
IF ANY CULTURAL RESOURCES AND/OR HUMAN REMAINS ARE DISCOVERED IN THE COURSE OF UNDERTAKING THE DEVELOPMENT ACTIVITY, THE DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION IN OLYMPIA AND KLICKITAT COUNTY PUBLIC WORKS SHALL BE NOTIFIED. FAILURE TO COMPLY WITH THESE STATE REQUIREMENTS MAY CONSTITUTE A CLASS C FELONY, SUBJECT TO IMPRISONMENT AND/OR FINES.

PROJECT PURPOSE
SITE IMPROVEMENTS TO SUPPORT THE DEVELOPMENT OF THE KLICKITAT COUNTY PUBLIC WORKS GOLDENDALE FUELING FACILITY

SITE AREA
2.79 AC (121,532 SF)

DATUM
VERTICAL DATUM: ELEVATIONS ARE BASED ON NAVD88 NGS BENCHMARK NO. AF9794, LOCATED NEAR THE INTERSECTION OF COLUMBUS AVENUE AND MCKINNEY STREET. ELEVATION 1704.07 (NAVD 88).

APPLICANT/OWNER
KLICKITAT COUNTY PUBLIC WORKS
CONTACT: JEFF HUNTER
115 WEST COURT STREET, ROOM 302
GOLDENDALE, WA 98620
PHONE: 509-773-4616
EMAIL: JEFFH@KLICKITATCOUNTY.ORG

CIVIL/STRUCTURAL ENGINEERING
AKS ENGINEERING & FORESTRY, LLC
CONTACT: MICHAEL SUMMERS, P.E.
9600 NE 126TH AVENUE, SUITE 2520
VANCOUVER, WA 98682
PHONE: 360-882-0419
EMAIL: SUMMERSM@AKS-ENG.COM

MEP ENGINEERING
R&W ENGINEERING INC.
CONTACT: JONATHAN LILLY, P.E.
9615 SW ALLEN BLVD, SUITE 107
BEAVERTON, OR 97005
PHONE: 503-292-6000
EMAIL: JLILLY@RWENG.COM

PROPERTY DESCRIPTION
LOCATED IN THE SW 1/4,
SECTION 17, TOWNSHIP 4 NORTH,
RANGE 16 EAST,
WILLAMETTE MERIDIAN
GOLDENDALE, WA 98620
PROPERTY PARCEL NO. 04161731000400, 04161700000300

CIVIL SHEET INDEX

STRUCTURAL SHEET INDEX

ELECTRICAL SHEET INDEX

MECHANICAL SHEET INDEX

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

AKS ENGINEERING & FORESTRY, LLC
9600 NE 126TH AVE, STE 2520
VANCOUVER, WA 98682
360.882.0419
WWW.AKS-ENG.COM

ENGINEERING · SURVEYING · NATURAL RESOURCES
FORESTRY · PLANNING · LANDSCAPE ARCHITECTURE

KLICKITAT COUNTY PUBLIC WORKS
GOLDENDALE FUEL FACILITY
GOLDENDALE WASHINGTON
PARCEL NO. 04161700000100, 04161731000400 — SW 1/4, S17, T4N, R16E, W.M.

COVER SHEET

DESIGNED BY: MJS
DRAWN BY: EMJ
MANAGED BY: MJS
CHECKED BY: DWL
DATE: 03/16/2026

Michael J Summers [illegible]

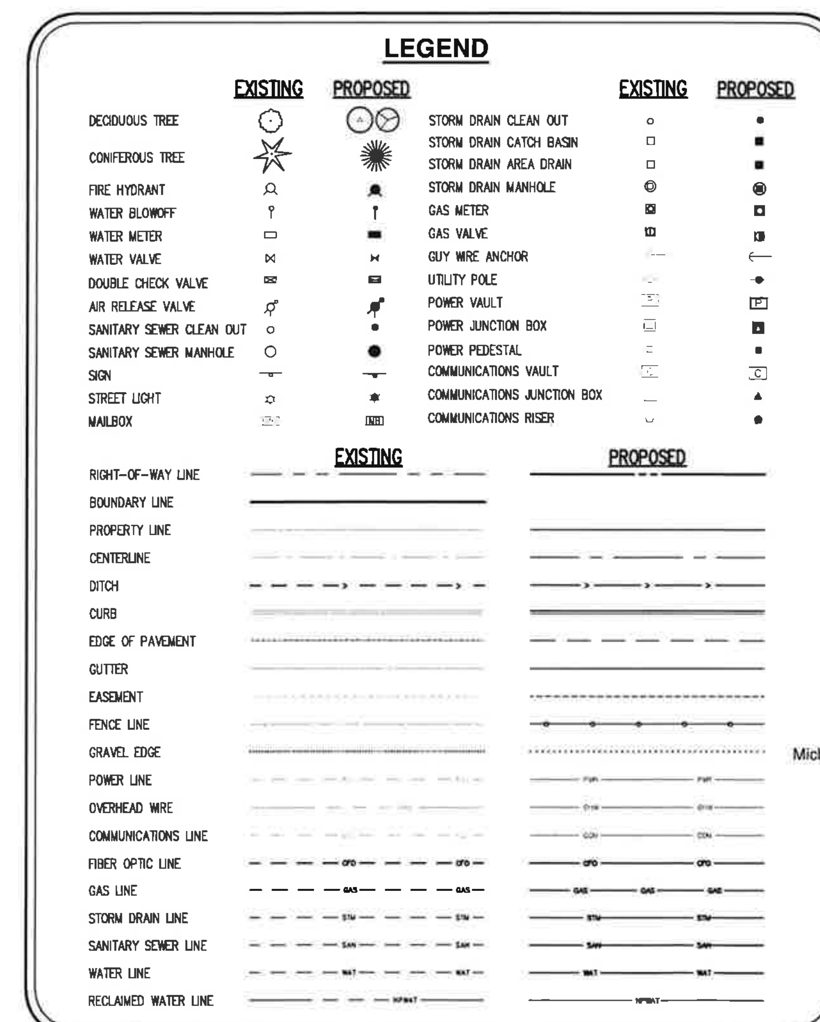
REVISIONS
ADDENDUM #1 03/16/2026

JOB NUMBER 9978
SHEET C000

AKS DRAWING FILE: 9978 C000 COVER.DWG | LAYOUT: C000

GENERAL NOTES

1. AKS ENGINEERING & FORESTRY, LLC SHALL BE RETAINED TO PROVIDE CONSTRUCTION / CONSULTATION SERVICES DURING CONSTRUCTION OF ALL IMPROVEMENTS. SUFFICIENT INSPECTION/OBSERVATION AND CONSULTATION SERVICES BY THE PROJECT ENGINEER ARE NECESSARY TO ENSURE THAT CONSTRUCTION IS CONSISTENT WITH THE INTENT OF THE PLANS AND TO ADDRESS ANY CHANGES THAT ARE DETERMINED NECESSARY DURING CONSTRUCTION. AKS DOES NOT ACCEPT ANY RESPONSIBILITY OR LIABILITY FOR ITEMS CONSTRUCTED BASED ON MISINTERPRETATIONS OF ITEMS SHOWN ON THESE PLANS.
2. ALL WORK AND MATERIAL SHALL CONFORM TO THESE PLANS, PROJECT SPECIFICATIONS, GENERAL CONDITIONS, AND THE APPLICABLE PROVISIONS OF THE AUTHORITIES HAVING JURISDICTION. THE FOLLOWING STANDARD SPECIFICATIONS ARE INCORPORATED BY REFERENCE. ALL MATERIALS SHALL CONFORM TO APPLICABLE REQUIREMENTS OF THE UNIFORM PLUMBING CODE (UPC) AND ANY WASHINGTON STATE AMENDMENTS, INTERNATIONAL BUILDING CODE (IBC) AND ANY WASHINGTON STATE AMENDMENTS, AND THE AMERICAN PUBLIC WORKS ASSOCIATION.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DOCUMENTS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR THE RELATIVE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DOCUMENTS AND IN FULL COMPLIANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS AND CODES.
4. THE CONTRACTOR MUST BE A LICENSED CONTRACTOR.
5. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND LICENSES BEFORE STARTING CONSTRUCTION.
6. WASHINGTON LAW REQUIRES THAT THE RULES ADOPTED BY WASHINGTON UTILITIES UNDERGROUND LOCATION CENTER BE FOLLOWED. THOSE RULES ARE SET FORTH IN RCW CHAPTER 19.122.033. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER OR ACCESSING VIA INTERNET AT HTTPS://WASHINGTON811.COM CALL BEFORE YOU DIG – 800–424–5555 OR 811.
7. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND APPLICABLE JURISDICTION SEVEN (7) DAYS IN ADVANCE OF THE BEGINNING OF CONSTRUCTION.
8. BEFORE INITIATING ANY CONSTRUCTION ACTIVITY, THERE SHALL BE A PRE–CONSTRUCTION CONFERENCE BETWEEN PRINCIPAL REPRESENTATIVES OF THE PROJECT ENGINEER, CONTRACTOR, OWNER, AND APPLICABLE JURISDICTION. THE CONTRACTOR SHALL PRESENT AT THE PRE–CONSTRUCTION MEETING A LIST OF SUBCONTRACTORS, A PROJECT SCHEDULE, A TRAFFIC CONTROL PLAN, AND AN EMERGENCY CONTACT NAME AND PHONE NUMBER.
9. THE LOCATIONS, DEPTHS, AND DESCRIPTIONS OF EXISTING UTILITIES SHOWN ARE COMPILED FROM AVAILABLE RECORDS AND/OR FIELD SURVEYS AND SHOWN FOR INFORMATION PURPOSES ONLY. THE PROJECT ENGINEER OR UTILITY COMPANIES DO NOT GUARANTEE THE ACCURACY OR THE COMPLETENESS OF SUCH RECORDS. ADDITIONAL UTILITIES MAY EXIST WITHIN THE WORK AREA.
10. CONTRACTOR MUST VERIFY ALL EXISTING UTILITIES FOR BOTH VERTICAL ELEVATION AND HORIZONTAL LOCATION PRIOR TO COMMENCING CONSTRUCTION (POTHOLE BEFORE DIGGING IF NECESSARY). CHANGES MUST BE APPROVED BY THE PROJECT ENGINEER AND APPLICABLE JURISDICTION IN ADVANCE OF WORK. CONTRACTOR SHALL COORDINATE THE WORK WITH ALL APPLICABLE UTILITY AGENCIES.
11. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH UTILITY COMPANIES FOR ALL DRY UTILITIES AND RELOCATION OF POWER POLES, VAULTS, ETC.
12. NOTIFY THE UTILITY PROVIDER IMMEDIATELY OF ALL UTILITIES EXPOSED. UNIDENTIFIED UTILITIES SHALL NOT BE DISRUPTED OR CUT UNTIL THE UTILITY PROVIDER HAS APPROVED THE CUT OR DISRUPTION. UTILITIES OR INTERFERING PORTIONS OF UTILITIES THAT ARE ABANDONED IN PLACE SHALL BE REMOVED BY THE CONTRACTOR TO THE EXTENT NECESSARY TO ACCOMPLISH THE WORK.
13. TRENCHES WITHIN RIGHTS–OF–WAY, PAVEMENT, OR CONCRETE AREAS SHALL BE BACKFILLED WITH APPROVED CRUSHED ROCK (PER APPLICABLE BACKFILL AND COMPACTION REQUIREMENTS), AS SPECIFIED ON THESE PLANS. TRENCHES OUTSIDE OF THE RIGHTS–OF–WAY, PAVEMENT, OR CONCRETE AREAS MAY BE BACKFILLED WITH NATIVE MATERIAL (PER APPLICABLE BACKFILL AND COMPACTION REQUIREMENTS). IF QUESTIONS ARISE, CONTRACTOR SHALL CHECK WITH PROJECT ENGINEER AND VERIFY.
14. ALL TRENCHES SHALL BE PROPERLY SHORED AND BRACED TO PREVENT CAVING.
15. NO TRENCHES IN RIGHT–OF–WAY WILL BE ALLOWED TO REMAIN OPEN OVERNIGHT. A TEMPORARY HARD–SURFACE PATCH (HOT MIX BASE PAVING) OR STEEL PLATES SECURED WITH PINS OR COLD MIX RAMPS SHALL BE PLACED ON TRENCHES WITHIN EXISTING ROADWAYS AT THE END OF EACH DAY'S WORK. NO TRENCH, ON–SITE OR OFF–SITE, SHALL BE LEFT AT ANY TIME IN AN UNSAFE CONDITION. THE CONTRACTOR IS RESPONSIBLE AND LIABLE FOR HAZARDS OR DAMAGE RESULTING FROM THE PROSECUTION OF THE WORK.
16. THE CONTRACTOR SHALL CONTROL TRAFFIC THROUGH THE PROJECT SITE IN CONFORMANCE WITH THE LATEST EDITION OF "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES," "WASHINGTON STATE MODIFICATIONS," AND LOCAL JURISDICTIONAL REQUIREMENTS. THE CONTRACTOR SHALL AT ALL TIMES MAINTAIN LOCAL ACCESS AROUND THE PROJECT SITE. THE CONTRACTOR SHALL HAVE A PROJECT SPECIFIC TRAFFIC CONTROL PLAN, APPROVED BY THE APPLICABLE JURISDICTION, AND AVAILABLE ON THE PROJECT SITE.
17. TRAFFIC CONTROL DEVICES, FLAG PERSONS, ETC., SHALL BE IN PLACE PRIOR TO INITIATION OF CONSTRUCTION WORK AND SHALL BE EFFECTIVELY MAINTAINED. A TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE APPLICABLE JURISDICTION FOR APPROVAL PRIOR TO ANY CONSTRUCTION WORK.
18. THE CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL EARTHWORK, TRENCH BACKFILL, COMPACTION TESTS, REVIEWS, STAGED INSPECTIONS, AND OTHER GEOTECHNICAL RELATED ITEMS WITH THE KLICKITAT COUNTY PUBLIC WORKS.
19. THE CONTRACTOR SHALL MAINTAIN BENCHMARKS, PROPERTY CORNERS, MONUMENTS, AND OTHER REFERENCE POINTS. IF SUCH POINTS ARE DISTURBED OR DESTROYED BY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND PAY FOR THEIR REPLACEMENT BY ENGAGING A PROFESSIONAL LAND SURVEYOR TO RESET PROPERTY CORNERS AND OTHER SUCH MONUMENTS.
20. PRIOR TO FINAL ACCEPTANCE AND PAYMENT, THE CONTRACTOR SHALL CLEAN THE WORK SITE AND ADJACENT AREAS OF ANY DEBRIS, DISCARDED ASPHALTIC CONCRETE MATERIAL, OR OTHER ITEMS DEPOSITED BY THE CONTRACTOR'S PERSONNEL DURING THE PERFORMANCE OF THIS CONTRACT.
21. PUBLIC ROADWAYS SHALL NOT BE CLOSED TO TRAFFIC, AT ANY TIME, WITHOUT HAVING FIRST OBTAINED WRITTEN APPROVAL FROM THE APPLICABLE JURISDICTION. THE CONTRACTOR IS RESPONSIBLE FOR PROVISION OF TIMELY NOTIFICATION OF TRAFFIC FLOW DISRUPTIONS TO AREA WIDE EMERGENCY SERVICES AND OTHER APPLICABLE ENTITIES.
22. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND ALL APPLICABLE JURISDICTIONS FORTY–EIGHT (48) HOURS PRIOR TO ANY STAGED INSPECTION.
23. A COPY OF THE PERMIT WITH ALL ATTACHMENTS, A COPY OF THE APPROVED CONSTRUCTION PLANS, AND ALL AMENDMENTS SHALL BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. ALL WORK SHALL CONFORM TO THE PERMIT TERMS, CONDITIONS/PROVISIONS, APPROVED CONSTRUCTION PLANS, APPROVED PLAN AMENDMENTS, AND THESE GENERAL CONDITIONS. CHANGES TO ANY OF THE AFORESAID MUST BE APPROVED BY THE PROJECT ENGINEER AND APPLICABLE JURISDICTION, IN ADVANCE OF WORK PERFORMANCE.
24. ELECTRONIC FILES ARE NOT CONSTRUCTION DOCUMENTS. DIFFERENCES MAY EXIST BETWEEN ELECTRONIC FILES AND CORRESPONDING HARD–COPY CONSTRUCTION DOCUMENTS. CONSTRUCTION SHALL BE BASED ON THE STAMPED HARD–COPY DESIGN DRAWINGS AND TECHNICAL SPECIFICATIONS PRODUCED BY AKS. IN THE EVENT THAT A CONFLICT ARISES BETWEEN THE SIGNED OR SEALED HARD–COPY CONSTRUCTION DOCUMENTS AND OR TECHNICAL SPECIFICATIONS PREPARED BY AKS, AND THE ELECTRONIC FILES, THE SIGNED OR SEALED HARD–COPY CONSTRUCTION DOCUMENTS SHALL GOVERN. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING IF ANY CONFLICTS EXIST. USE OF THE ELECTRONIC FILES DOES NOT RELIEVE YOU OF YOUR DUTY TO FULLY COMPLY WITH THE CONTRACT DOCUMENTS INCLUDING, AND WITHOUT LIMITATION, THE NEED TO CHECK, CONFIRM AND COORDINATE ALL DIMENSIONS AND DETAILS, TAKE FIELD MEASUREMENTS, VERIFY FIELD CONDITIONS, AND COORDINATE YOUR WORK WITH THAT OF OTHER CONTRACTORS FOR THE PROJECT. NO REVISIONS SHALL BE MADE TO THE DESIGN WITHOUT THE EXPRESS WRITTEN CONSENT OF THE DESIGN ENGINEER WHOSE STAMP IS ON THE HARD–COPY DESIGN DRAWINGS AND TECHNICAL SPECIFICATIONS.
25. MAINTENANCE OF THE WORK AREA AND APPROACH ROADS IS THE RESPONSIBILITY OF THE CONTRACTOR. THE WORK AREA AND APPROACH ROADS SHALL BE MAINTAINED IN A CLEAN AND SANITARY CONDITION, FREE FROM OBSTRUCTIONS, HAZARDS, DEBRIS, AND TRASH AT ALL TIMES. A COPY OF THE CONTRACTOR'S CERTIFICATE OF INSURANCE SHALL BE AVAILABLE AT THE PROJECT SITE.
26. THE SPREADING OF MUD OR DEBRIS OR STORAGE OF MATERIAL OR EQUIPMENT OF ANY KIND UPON ANY PUBLIC ROADWAY IS STRICTLY PROHIBITED AND VIOLATION SHALL BE CAUSE FOR IMMEDIATE SUSPENSION OF THE PERMIT. THE PROJECT ENGINEER AND/OR APPLICABLE JURISDICTION MAY AT ANY TIME ORDER IMMEDIATE CLEAN UP AND STOPPAGE OF WORK TO ACCOMPLISH CLEAN UP.
27. EFFECTIVE EROSION CONTROL IS REQUIRED. EROSION CONTROL DEVICES MUST BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION. EROSION CONTROL MEASURES SHALL BE APPROVED BY THE APPLICABLE JURISDICTION.
28. THESE PLANS AND SPECIFICATIONS ASSUME "DRY WEATHER" CONSTRUCTION. ADDITIONAL MEASURES MAY BE REQUIRED FOR "WET WEATHER" CONSTRUCTION.
29. PROPERTY DISTURBED BY CONSTRUCTION ACTIVITY SHALL BE SEEDED. SHRUBS, FLOWERS, BARK DUST, EXISTING SIGNS, PAVEMENT MARKINGS, MAILBOXES, ETC. DISTURBED BY CONSTRUCTION ACTIVITY SHALL BE RE–ESTABLISHED, REINSTALLED, OR REPLACED, WITH LIKE KIND AND MATERIAL.
30. WORK PROVIDED FOR UNDER THE PERMIT SHALL INCLUDE REPAIR OF EXISTING FACILITIES (ROADS, DITCHES, ETC.) AS MAY BE NECESSARY, IN THE PROJECT ENGINEER'S OPINION, TO OVERCOME DETERIORATION OR DAMAGE WHICH OCCURRED IN CONJUNCTION WITH THE WORK AUTHORIZED BY THE PERMIT. CORRECTIVE WORK SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.
31. THE CONTRACTOR SHALL PROVIDE ALL THE "MEANS AND METHODS" NECESSARY TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE APPROVED DRAWINGS AND DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS AND DAMAGE TO ALL ITEMS THAT ARE TO REMAIN. ALL REPAIRS SHALL USE NEW MATERIAL. REPAIRS SHALL RESTORE THE DAMAGED ITEM TO THE PRE–EXISTING CONDITION OR BETTER. SUCH REPAIRS SHALL BE PERFORMED AT THE CONTRACTOR'S SOLE EXPENSE.
32. UNTIL ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL AT ALL TIMES PROTECT FROM DAMAGE ALL PUBLIC PROPERTY AND PRIVATE PROPERTY WHICH MAY BE AFFECTED BY THE WORK AND PRESERVE ALL MATERIALS, SUPPLIES, AND EQUIPMENT, AND ALL WORK ALREADY PERFORMED, FROM THE NATURE OF THE WORK, THE ACTION OF THE ELEMENTS, AND DAMAGE BY ANY PERSON OR PERSONS OR FROM ANY OTHER CAUSE. ANY WORK OR MATERIALS LOST, REMOVED OR DAMAGED BY ANY CAUSE OR FOR ANY REASON SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR UNTIL SUCH TIME AS THE APPLICABLE JURISDICTION HAS INDICATED ACCEPTANCE AND APPROVAL OF THE SAME. THE CONTRACTOR SHALL FURNISH EITHER HARD COPY OR DIGITAL PHOTOS/VIDEOS OF ALL PUBLIC/PRIVATE EXISTING SITE PROJECT SURROUNDINGS, TO PROJECT ENGINEER, PRIOR TO START OF WORK.
33. EFFECTIVE DRAINAGE CONTROL IS REQUIRED. DRAINAGE SHALL BE CONTROLLED WITHIN THE SITE AND SHALL BE ROUTED SO THAT ADJACENT PRIVATE PROPERTY, PUBLIC PROPERTY, AND THE RECEIVING SYSTEM ARE NOT ADVERSELY IMPACTED. THE PROJECT ENGINEER AND/OR APPLICABLE JURISDICTION MAY AT ANY TIME ORDER CORRECTIVE ACTION AND STOPPAGE OF WORK TO ACCOMPLISH EFFECTIVE DRAINAGE CONTROL.
34. THE PROJECT ENGINEER OR JURISDICTIONAL INSPECTOR MAY, AT THEIR DISCRETION, REQUIRE PROVISION OF TESTS AND OR REPORTS FROM THE CONTRACTOR TO VALIDATE CLAIMS OF MATERIAL OR CONSTRUCTION ADEQUACY/COMPLIANCE. SUCH TESTS/REPORTS SHALL BE PROVIDED AT THE CONTRACTOR'S EXPENSE.
35. THE PROJECT ENGINEER RESERVES THE RIGHT TO ADJUST GRADES OR ALIGNMENT AS NECESSARY; SUCH ADJUSTMENTS OR REVISIONS SHALL BE REVIEWED BY THE APPLICABLE JURISDICTIONAL ENGINEERING STAFF AND APPROVED PRIOR TO COMMENCEMENT OF WORK.
36. PIPE LENGTHS SHOWN ARE APPROXIMATE. FINAL LENGTHS SHALL BE DETERMINED BY FIELD CONDITIONS. PIPE SLOPES LISTED ARE BASED ON HORIZONTAL LENGTHS FROM CENTER OF STRUCTURE (E.G. MANHOLE) TO CENTER OF STRUCTURE (E.G. MANHOLE). INVERT ELEVATIONS (IES) LISTED AT STRUCTURES ARE BASED ON THE "THEORETICAL" IE AT THE CENTER OF THE STRUCTURE. FIELD STAKING IS BASED ON THESE PIPE SLOPES AND INVERT ELEVATIONS. FOR PIPES WITH STEEP SLOPES AND/OR SHORT PIPE RUNS, THE CONTRACTOR NEEDS TO MAKE ADJUSTMENTS FOR THE ACTUAL SLOPE FROM EDGE OF STRUCTURE TO EDGE OF STRUCTURE AND/OR ENSURE PRE–CAST STRUCTURES (E.G. MANHOLE BASE) ACCOMMODATES THE ACTUAL IE AT THE EDGE OF THE STRUCTURE.
37. CATCH BASIN AND CURB INLET LEAD LENGTHS NOTED ARE TO THE CENTER (MIDPOINT) OF STRUCTURE AT FACE OF CURB. FIELD STAKING IS BASED ON CENTER (MIDPOINT) OF STRUCTURE AT FACE OF CURB UNLESS OTHERWISE NOTED OR OTHER ARRANGEMENTS ARE MADE WITH THE PROJECT SURVEYOR.
38. PROPERTY AND RIGHT–OF–WAY LINES SHOWN ARE APPROXIMATE. THESE PLANS ARE NOT MEANT TO SERVE BOUNDARY SURVEY PURPOSES.
39. THERE SHALL BE NO ALTERATION OR VARIANCE FROM THE APPROVED PLANS WITHOUT APPROVAL OF THE PROJECT ENGINEER.
40. SAWCUT STRAIGHT MATCH LINES WHERE EXISTING PAVEMENT MEETS NEW PAVEMENT. SAND AND SEAL JOINT (TYPICAL).
41. THE SAWCUT LINES SHOWN ON THE DRAWINGS ARE SCHEMATIC AND NOT INTENDED TO SHOW THE EXACT ALIGNMENT OF SUCH CUTS.
42. NEW PAVEMENT SHALL MATCH EXISTING PAVEMENT AS REQUIRED TO PROVIDE A SMOOTH, FREE DRAINING SURFACE.
43. EXISTING BURIED UTILITIES, WHICH ARE TO BE ABANDONED, SHOULD BE ABANDONED AND/OR REMOVED AS REQUIRED BY THE PROJECT ENGINEER AND APPLICABLE JURISDICTION.
44. DUST SHALL BE CONTROLLED WITHIN THE DEVELOPMENT DURING CONSTRUCTION AND SHALL NOT BE PERMITTED TO DRIFT ONTO ADJACENT PROPERTIES.
45. CONTRACTOR SHALL CONFORM TO OSHA REQUIREMENTS AT ALL TIMES.
46. STORMWATER LINES SHALL BE LAID IN A STRAIGHT ALIGNMENT AND A UNIFORM GRADE BETWEEN MANHOLES AND CLEANOUTS. STORMWATER LINES SHALL BE INSTALLED SO THAT THE PIPE BELL IS POSITIONED AT THE UPSTREAM END OF THE LINE AND THE PIPE SPIGOT IS POSITIONED AT THE DOWNSTREAM END OF THE LINE.
47. CONTRACTOR IS RESPONSIBLE FOR SITE JOB SAFETY, WHICH SHALL INCLUDE BUT NOT BE LIMITED TO THE INSTALLATION AND MAINTENANCE OF BARRIERS, FENCING, AND OTHER APPROPRIATE SAFETY ITEMS NECESSARY TO PROTECT THE PUBLIC FROM AREAS OF CONSTRUCTION AND CONSTRUCTION ACTIVITY.
48. THE PROJECT ENGINEER IS NOT RESPONSIBLE FOR REVIEWING THE CONTRACTOR'S SAFETY PRECAUTIONS OR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES REQUIRED FOR THE CONTRACTOR TO PERFORM HIS WORK.
49. COUNTY IS RESPONSIBLE FOR ALL COMPACTION TESTING, CONCRETE BREAK TESTS, AND BOLT TORQUE TESTING. CONTRACTOR IS RESPONSIBLE FOR ALL INSPECTIONS AND TESTING OF FUEL PUMPS AND FUEL SYSTEM.
50. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL REQUIRED OR NECESSARY INSPECTIONS ARE COMPLETED BY AUTHORIZED INSPECTORS PRIOR TO PROCEEDING WITH SUBSEQUENT WORK WHICH COVERS OR THAT IS DEPENDENT ON THE WORK TO BE INSPECTED. FAILURE TO OBTAIN NECESSARY INSPECTION(S) AND APPROVAL(S) SHALL RESULT IN THE CONTRACTOR BEING FULLY RESPONSIBLE FOR ALL PROBLEMS AND/OR CORRECTIVE MEASURES ARISING FROM UNINSPECTED WORK.
51. TESTING DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF OBTAINING ALL NECESSARY INSPECTIONS OR OBSERVATIONS FOR ALL WORK PERFORMED, REGARDLESS OF WHO IS RESPONSIBLE FOR PAYMENT. COST FOR RETESTING SHALL BE BORNE BY THE CONTRACTOR.
52. ANY INSPECTION/OBSERVATION BY THE PROJECT ENGINEER OR PROJECT INSPECTOR SHALL NOT IN ANY WAY RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN COMPLIANCE WITH THE APPLICABLE CODES, REGULATIONS, STANDARDS, PLANS, SPECIFICATIONS, AND PROJECT CONTRACT DOCUMENTS.
53. DEBRIS AND TRASH SHALL NOT BE BURIED OR STOCKPILED ON THE SUBJECT SITE. ALL DEMOLITION WASTES AND DEBRIS SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS. THE CONTRACTOR SHALL MAINTAIN RECORDS TO DEMONSTRATE PROPER DISPOSAL ACTIVITIES, TO BE PROVIDED TO THE OWNER OR PROJECT ENGINEER UPON REQUEST.
54. CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS AND APPROVALS FOR OFF–SITE DISPOSAL FACILITIES AND SUPPLY A COPY OF APPROVALS TO THE OWNER'S REPRESENTATIVE UPON REQUEST.
55. CONTRACTOR SHALL MONITOR THE HAULING OF DEBRIS TO ENSURE THAT ALL SPILLAGE FROM TRUCKS IS PROMPTLY AND COMPLETELY REMOVED AND CLEANED UP.
56. CONTRACTOR SHALL CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT, AND DEBRIS CAUSED BY DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITIONS EXISTING PRIOR TO THE START OF THE WORK.
57. NOISE SHALL BE KEPT AT THE MINIMUM LEVEL POSSIBLE DURING CONSTRUCTION. THE CONTRACTOR SHALL AGREE TO AGGRESSIVELY ENSURE ALL VEHICLES WORKING ON THE DEVELOPMENT SHALL HAVE ADEQUATE AND FULLY FUNCTIONING SOUND SUPPRESSION DEVICES INSTALLED AND MAINTAINED AT ALL TIMES.
58. THE CONTRACTOR SHALL CONSULT RURAL #7 FIRE CHIEF FOR A FIRE PREVENTION AND CONTROL PLAN DURING THE PERIOD OF SITE DEVELOPMENT. IF THE FIRE CHIEF DETERMINES A PLAN IS REQUIRED, THE CONTRACTOR SHALL PREPARE A PLAN THAT MEETS REQUIREMENTS AND SPECIFICATIONS OF RURAL 7 FIRE AND SHALL FILE A COPY WITH THE COUNTY.
59. ALL FACILITIES SHALL BE MAINTAINED IN–PLACE BY THE CONTRACTOR UNLESS OTHERWISE SHOWN OR DIRECTED. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO SUPPORT, MAINTAIN, OR OTHERWISE PROTECT EXISTING UTILITIES AND OTHER FACILITIES AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR SHALL LEAVE EXISTING FACILITIES IN AN EQUAL OR BETTER–THAN–ORIGINAL CONDITION.
60. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF TREES, STUMPS, BRUSH, ROOTS, TOPSOIL, AND OTHER MATERIAL IN THE PUBLIC RIGHT–OF–WAY AND WHERE INDICATED ON THE PLANS. MATERIAL SHALL BE DISPOSED OF IN SUCH A MANNER AS TO MEET ALL APPLICABLE REGULATIONS.
61. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT "REDLINE DRAWINGS" TO THE PROJECT ENGINEER. "REDLINE DRAWINGS" DOCUMENT ALL DEVIATIONS AND REVISIONS TO THE APPROVED PLANS. THEY ALSO RECORD A DESCRIPTION OF CONSTRUCTION MATERIALS ACTUALLY USED (PIPE MATERIAL, ETC).
62. THE CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO COMPLETE THIS PROJECT IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS INCLUDING SUCH INCIDENTALS, AS MAY BE NECESSARY TO MEET THE INTENT OF THE PROJECT CONTRACT DOCUMENTS, APPLICABLE AGENCY REQUIREMENTS, AND OTHER WORK AS NECESSARY TO PROVIDE A COMPLETE PROJECT.
63. THE CONTRACTOR SHALL MAINTAIN AND COORDINATE ACCESS TO ALL AFFECTED PROPERTIES.
64. IF GROUND WATER SPRINGS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL TAKE MEASURES TO ENSURE THAT THE WATER IS NOT CONVEYED THROUGH UTILITY TRENCHES, AND THE NATURAL FLOW PATH OF THE SPRING IS ALTERED AS LITTLE AS PRACTICABLE.
65. CONTRACTOR SHALL PROVIDE ALL BONDS AND INSURANCE REQUIRED BY PUBLIC AND/OR PRIVATE AGENCIES HAVING JURISDICTION.
66. ALL MATERIALS AND WORKMANSHIP FOR FACILITIES IN STREET RIGHT–OF–WAY OR EASEMENTS SHALL CONFORM TO APPROVING AGENCIES' CONSTRUCTION SPECIFICATIONS WHEREIN EACH HAS JURISDICTION.
67. CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND OWNER OF ANY SEPTIC TANKS, WELLS, OR FUEL TANKS ENCOUNTERED DURING CONSTRUCTION.
68. ANY SEPTIC TANKS ENCOUNTERED DURING CONSTRUCTION SHALL BE PUMPED OUT. CONTRACTOR SHALL REMOVE TANK OR BREAK BOTTOM OF TANK OUT AND BACKFILL WITH PEA GRAVEL UNLESS OTHERWISE REQUIRED BY PUBLIC AGENCIES HAVING JURISDICTION. SEPTIC TANK DECOMMISSION/REMOVAL/ABANDONMENT TO BE IN ACCORDANCE AND COUNTY HEALTH DEPARTMENT REGULATIONS WITH FINAL PAPERWORK PROVIDED TO OWNER AND THE APPROPRIATE GOVERNMENTAL AGENCY.
69. ANY WELLS ENCOUNTERED SHALL BE ABANDONED PER STATE OF WASHINGTON DEPARTMENT OF ECOLOGY REQUIREMENTS.
70. ANY FUEL TANKS ENCOUNTERED SHALL BE REMOVED AND DISPOSED OF PER STATE OF WASHINGTON OF ECOLOGY REQUIREMENTS. BACKFILL WITH COMPACTED GRANULAR MATERIAL.
71. ALL EXISTING OR CONSTRUCTED MANHOLES, CLEANOUTS, MONUMENTS, GAS VALVES, WATER VALVES AND SIMILAR STRUCTURES SHALL BE ADJUSTED TO MATCH FINISH GRADE OF THE SURFACE MATERIAL WHEREIN THEY LIE.
72. ALL PIPED UTILITIES ABANDONED IN–PLACE SHALL HAVE ALL OPENINGS CLOSED WITH CONCRETE PLUGS WITH A MINIMUM LENGTH EQUAL TO 2 TIMES THE DIAMETER OF THE ABANDONED PIPE.
73. IF DRAINAGE FIELD TILE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND THE INSPECTOR. THE INTENT WILL BE TO CONNECT ANY FUNCTIONING DRAIN TILE SYSTEM TO THE STORM DRAIN SYSTEM IN AN APPROPRIATE MANNER. SUCH CONNECTION MUST BE NOTED ON THE AS–BUILT DRAWINGS BE APPROVED PRIOR TO BEGINNING WORK.
74. THE CONTRACTOR SHALL VACUUM SAWCUT SLURRY AS SAWCUTTING IS BEING PERFORMED.
75. PRIOR TO ORDERING ANY MATERIALS, THE CONTRACTOR SHALL PROVIDE MANUFACTURER'S SPECIFICATION SHEETS FOR ALL MATERIALS TO BE USED AND RECEIVE A APPROVAL/POSITIVE RESPONSE FROM THE PROJECT ENGINEER.
76. PLEASE NOTE THAT AKS IS NOT A SAFETY INSPECTION COMPANY. AKS HAS NOT BEEN RETAINED TO PROVIDE ANY SAFETY RELATED SERVICES FOR THIS PROJECT.



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KLICKITAT COUNTY PUBLIC WORKS
GOLDENDALE FUEL FACILITY
GOLDENDALE WASHINGTON
PARCEL NO. 04161700000100, 04161731000400 SW 1/4, S17, T4N, R16E, W.M.

GENERAL NOTES AND LEGEND

DESIGNED BY:	MJS
DRAWN BY:	EMJ
MANAGED BY:	MJS
CHECKED BY:	DWL

DATE: 03/16/2026

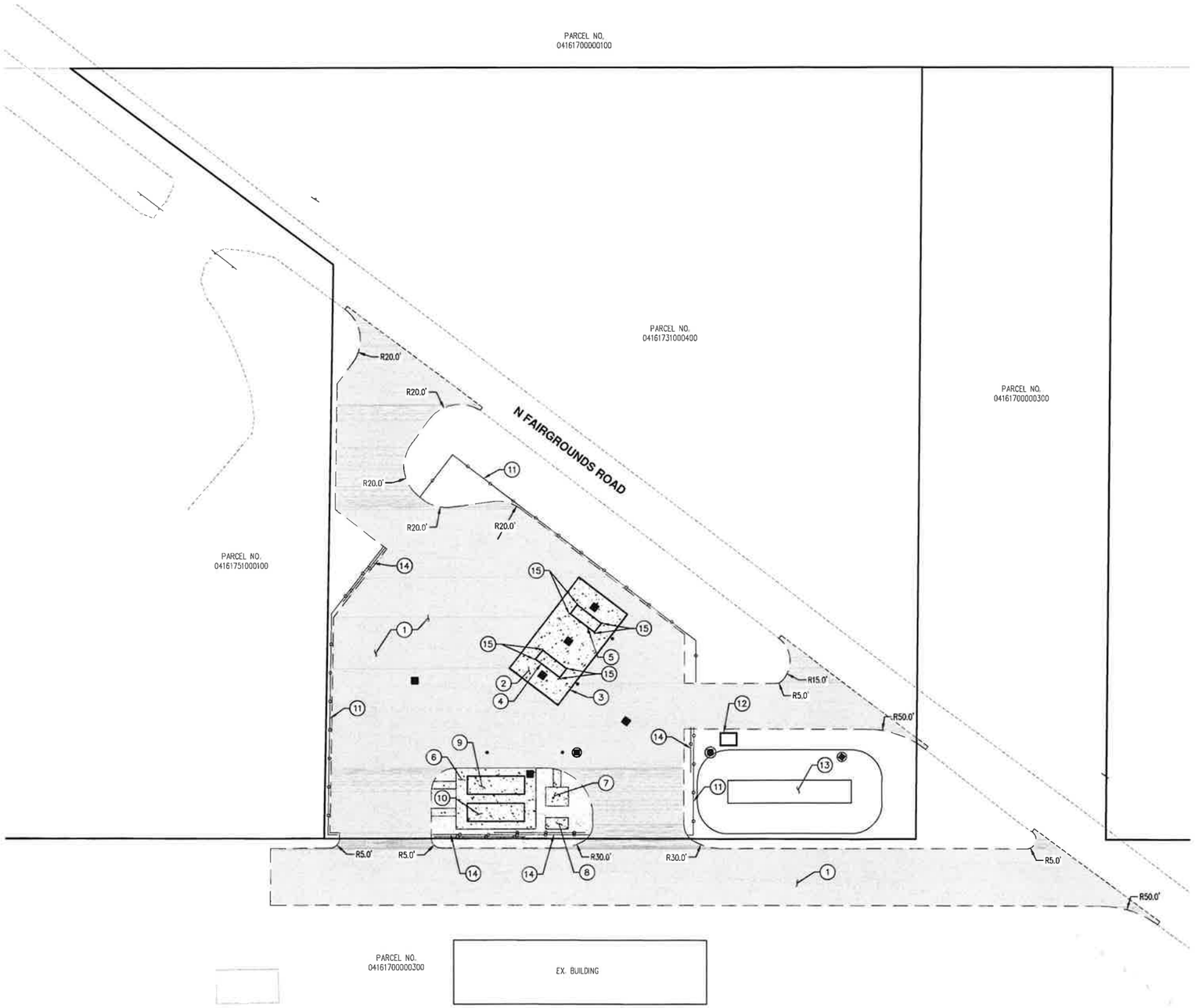
MICHAEL J. SUMMERS, STATE OF WASHINGTON, 20101016, REGISTERED PROFESSIONAL ENGINEER
Michael J Summers

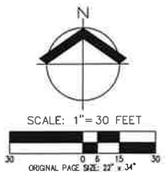
REVISIONS
ADDENDUM #1 03/16/2026

JOB NUMBER
9978

SHEET
C001

AKS DRAWING FILE: 9978 C000 COVER.DWG | LAYOUT: C001





CONSTRUCTION KEYED NOTES (#)

1. INSTALL COMMERCIAL ASPHALT PAVEMENT, SEE SHEET C500 FOR DETAILED SECTION.
2. INSTALL CONCRETE FUEL STATION PAD, SEE SHEET S101 FOR DETAILS.
3. CANOPY STRUCTURE ROOF LINE 32' X 60' LOCATION, DESIGNED BY CONTRACTOR, SEE S102 FOR DETAILS.
4. DIESEL FUEL DISPENSER W/DEF DISPENSER LOCATION, DISPENSER DESIGNED BY CONTRACTOR.
5. GASOLINE FUEL DISPENSER LOCATION, DISPENSER DESIGNED BY CONTRACTOR.
6. CONCRETE FUEL TANK PAD LOCATION, SEE SHEET S101 FOR DETAIL.
7. CONTROL PANEL SHED LOCATION, SEE SHEET S201 FOR DETAILS.
8. PERMANENT STANDBY EMERGENCY GENERATOR LOCATION, SEE ELECTRICAL PLANS FOR DETAILS.
9. 15,000 GALLON DIESEL FUEL TANK LOCATION, FUEL TANK BY CONTRACTOR.
10. 15,000 GALLON GASOLINE FUEL TANK, FUEL TANK BY CONTRACTOR.
11. INSTALL 8' TALL CHAIN LINK FENCE W/ SECURITY TOP. SEE SHEET C501 FOR DETAILS.
12. OIL/WATER SEPARATOR VAULT, SEE SHEET C251 FOR DETAIL.
13. STORMWATER FACILITY, SEE SHEET C200 FOR DESIGN AND DETAILS.
14. INSTALL ROLLING GATE SEE SHEET C501 FOR DETAIL.
15. INSTALL 6" DIA. BOLLARD PER DETAIL 1/SITE ON SHEET C500.

GENERAL NOTES

1. CONTRACTOR TO REVIEW AND FOLLOW RECOMMENDATIONS FROM PROJECT GEOTECHNICAL ENGINEERING REPORT PREPARED BY GN NORTHERN, INC.
2. KLICKITAT COUNTY TO COMPLETE BOUNDARY LINE ADJUSTMENT BETWEEN PARCELS 04161731000400 AND 04161700000300.
3. STORMWATER PIPES AND FACILITIES PER STORMWATER PLAN AND DETAILS, SHEETS C200–C250.

ARCHAEOLOGICAL NOTE

IF ANY CULTURAL RESOURCES AND/OR HUMAN REMAINS ARE DISCOVERED IN THE COURSE OF UNDERTAKING THE DEVELOPMENT ACTIVITY, THE DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION IN OLYMPIA AND KLICKITAT COUNTY PUBLIC WORKS SHALL BE NOTIFIED. FAILURE TO COMPLY WITH THESE STATE REQUIREMENTS MAY CONSTITUTE A CLASS C FELONY, SUBJECT TO IMPRISONMENT AND/OR FINES.

HATCH LEGEND

PROPOSED CONCRETE PER DETAIL 2/SRF SHEET C500

PROPOSED ASPHALT PER DETAIL 1/SRF SHEET C500

PROPOSED GRAVEL PER DETAIL 3/SRF SHEET C500

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GOLDENDALE FUEL FACILITY
GOLDENDALE WASHINGTON
SW 1/4, S17, T4N, R16E, W.M.
PARCEL NO. 04161700000100, 04161731000400

SITE PLAN

DESIGNED BY: MJS
DRAWN BY: EMJ
MANAGED BY: MJS
CHECKED BY: DWL
DATE: 03/16/2026

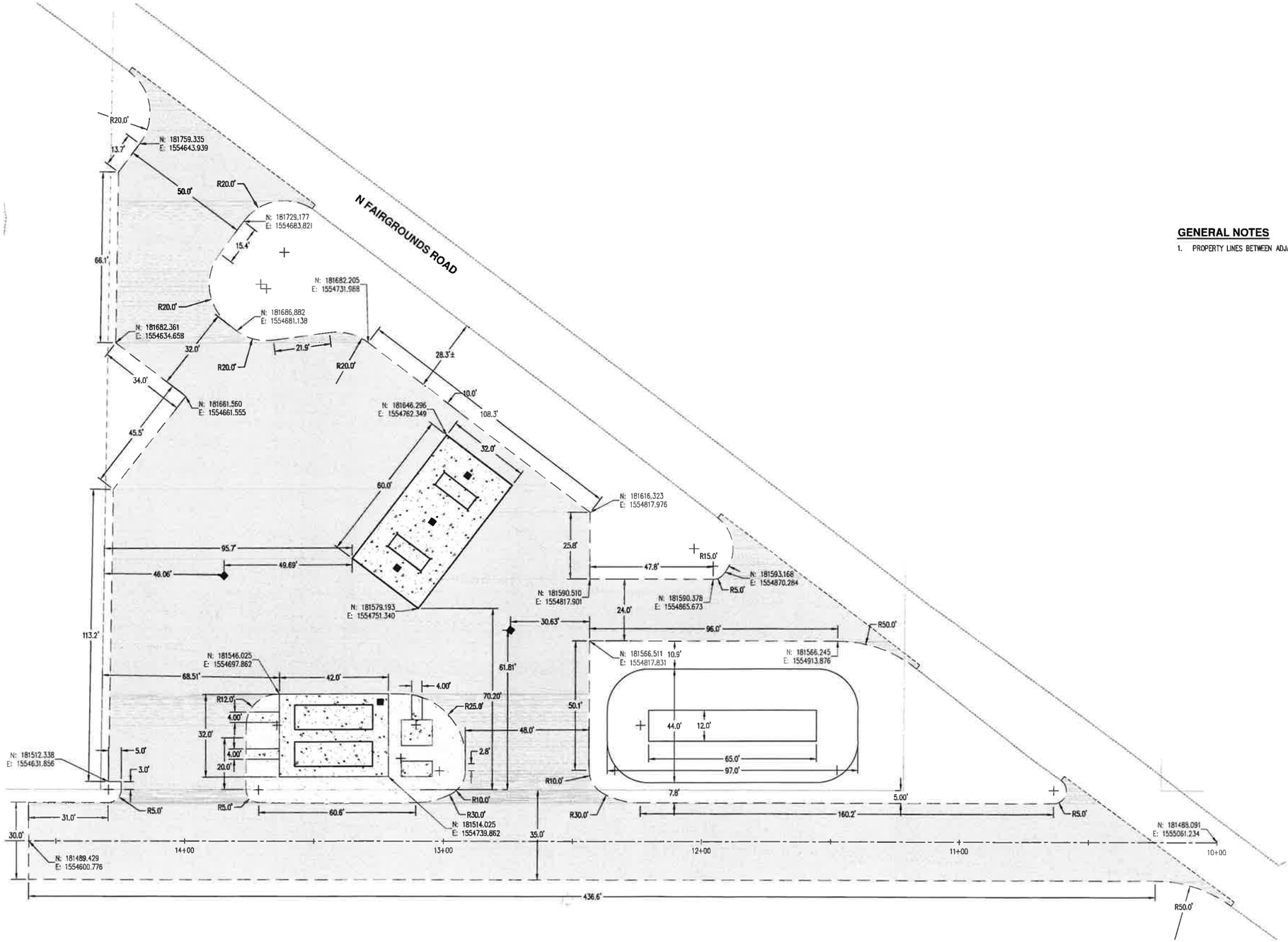
Michael J Summers

REVISIONS
ADDENDUM #1 03/16/2026

JOB NUMBER 9978

SHEET C010

AKS DRAWING FILE: 9978 C010 SITE.DWG | LAYOUT: C010



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SCALE: 1"= 20 FEET

20 0 4 10 20

ORIGINAL PAGE SIZE: 22" x 34"

GENERAL NOTES

1. PROPERTY LINES BETWEEN ADJACENT COUNTY PROPERTIES NOT SHOWN FOR CLARITY.

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GOLDENDALE FUEL FACILITY

GOLDENDALE WASHINGTON

SW 1/4, S17, T4N, R16E, WM

PARCEL NO. 04161700000100, 04161730000400

SITE DIMENSION PLAN

DESIGNED BY:	MJS
DRAWN BY:	EMJ
MANAGED BY:	MJS
CHECKED BY:	DWL

DATE: 03/16/2026

MICHAEL J. SUMMERS — STATE OF WASHINGTON — 20101016 — REGISTERED PROFESSIONAL ENGINEER

Michael J Summers

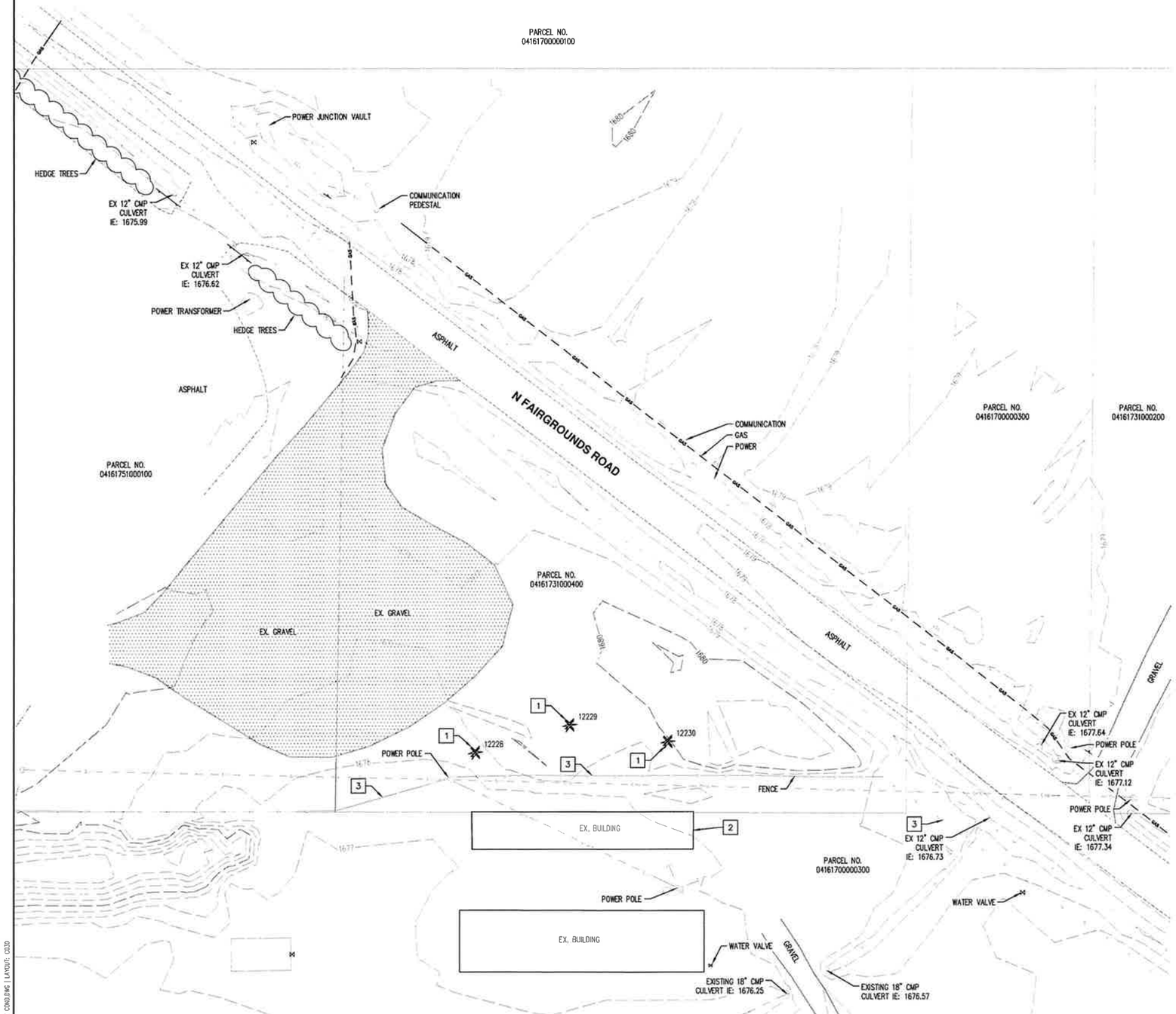
REVISIONS

ADDENDUM #1 03/16/2026

JOB NUMBER
9978

SHEET
C011

AKS DRAWING FILE: 9978 C011 SITE DIM.DWG | LAYOUT: C011



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SCALE: 1" = 30 FEET

30 0 15 30

ORIGINAL PAGE SIZE: 22" x 34"

GENERAL NOTES

1. TOPOGRAPHIC SURVEY COMPLETED BY KLICKITAT COUNTY PUBLIC WORKS.
2. UTILITIES SHOWN ARE BASED ON UNDERGROUND UTILITY LOCATE MARKINGS AS PROVIDED BY OTHERS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND LOCATES REPRESENT THE ONLY UTILITIES IN THE AREA. CONTRACTORS ARE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS PRIOR TO BEGINNING CONSTRUCTION.
3. FIELD WORK WAS CONDUCTED MARCH 2023.
4. THIS IS NOT A BOUNDARY SURVEY TO BE RECORDED WITH THE COUNTY. BOUNDARIES MAY BE PRELIMINARY OR APPROXIMATE AND SHOULD BE CONFIRMED WITH THE STAMPING SURVEYOR PRIOR TO RELYING ON FOR DETAILED DESIGN OR CONSTRUCTION.
5. CONTOUR INTERVAL IS 1 FOOT.
6. TREES WITH DIAMETER OF 6" AND GREATER ARE SHOWN. TREE DIAMETERS WERE DETERMINED BY VISUAL INSPECTION. TREE INFORMATION IS SUBJECT TO CHANGE UPON ARBORIST INSPECTION.
7. THE TOTAL SITE AREA IS APPROXIMATELY 121,532 SQUARE FEET (2.79 AC).
8. THE SITE IS COMPRISED OF PARCEL SERIAL NO 04161731000400.
9. EXISTING ZONE DESIGNATION IS SERVICE-GOVERNMENT ACCORDING TO KLICKITAT COUNTY RECORDS.
10. NO WATER COURSES, WATER BODIES, 100-YEAR FLOODPLAINS, DESIGNATED SHORELINE AREAS, UNSTABLE SLOPES AND LANDSLIDE HAZARD AREAS, AND SIGNIFICANT HISTORIC RESOURCES ARE KNOWN TO EXIST ON SITE OR WITHIN 100 FEET OF THE SITE ACCORDING TO KLICKITAT COUNTY RECORDS.
11. ACCORDING TO KLICKITAT COUNTY GIS, THERE ARE NO WELLS OR SEPTIC SYSTEMS ON SITE OR WITHIN 100' OF THE SITE.
12. THE EXISTING SURFACE MATERIAL OF N FAIRGROUNDS ROAD IS ASPHALT.

VERTICAL DATUM

VERTICAL DATUM: ELEVATIONS ARE BASED ON NAVD88 NGS BENCHMARK NO. AF9794, LOCATED NEAR THE INTERSECTION OF COLUMBUS AVENUE AND MCKINNEY STREET. ELEVATION 1704.07 (NAVD 88).

DEMOLITION KEYED NOTES [#]

1. REMOVE EXISTING TREE
2. EXISTING BUILDING TO BE REMOVED (BY OTHERS)
3. REMOVE 435 LF OF EXISTING BARBED WIRE FENCE

TREE TABLE		
TREE NUMBER	TYPE	DBH (IN.)
12228	CONIFEROUS	24
12229	CONIFEROUS	24
12230	CONIFEROUS	24

LEGEND

EXISTING GROUND CONTOUR (1 FT) — — 1681 — —

EXISTING GROUND CONTOUR (5 FT) — — 1680 — —

HATCH LEGEND

EXISTING ASPHALT

EXISTING GRAVEL

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GOLDENDALE FUEL FACILITY

GOLDENDALE WASHINGTON

PARCEL NO. 04161700000100, 04161731000400

SW 1/4, ST. 7, T4N, R16E, W.M.

DEMOLITION PLAN

DESIGNED BY: MJS
DRAWN BY: EMJ
MANAGED BY: MJS
CHECKED BY: DWL
DATE: 03/16/2026

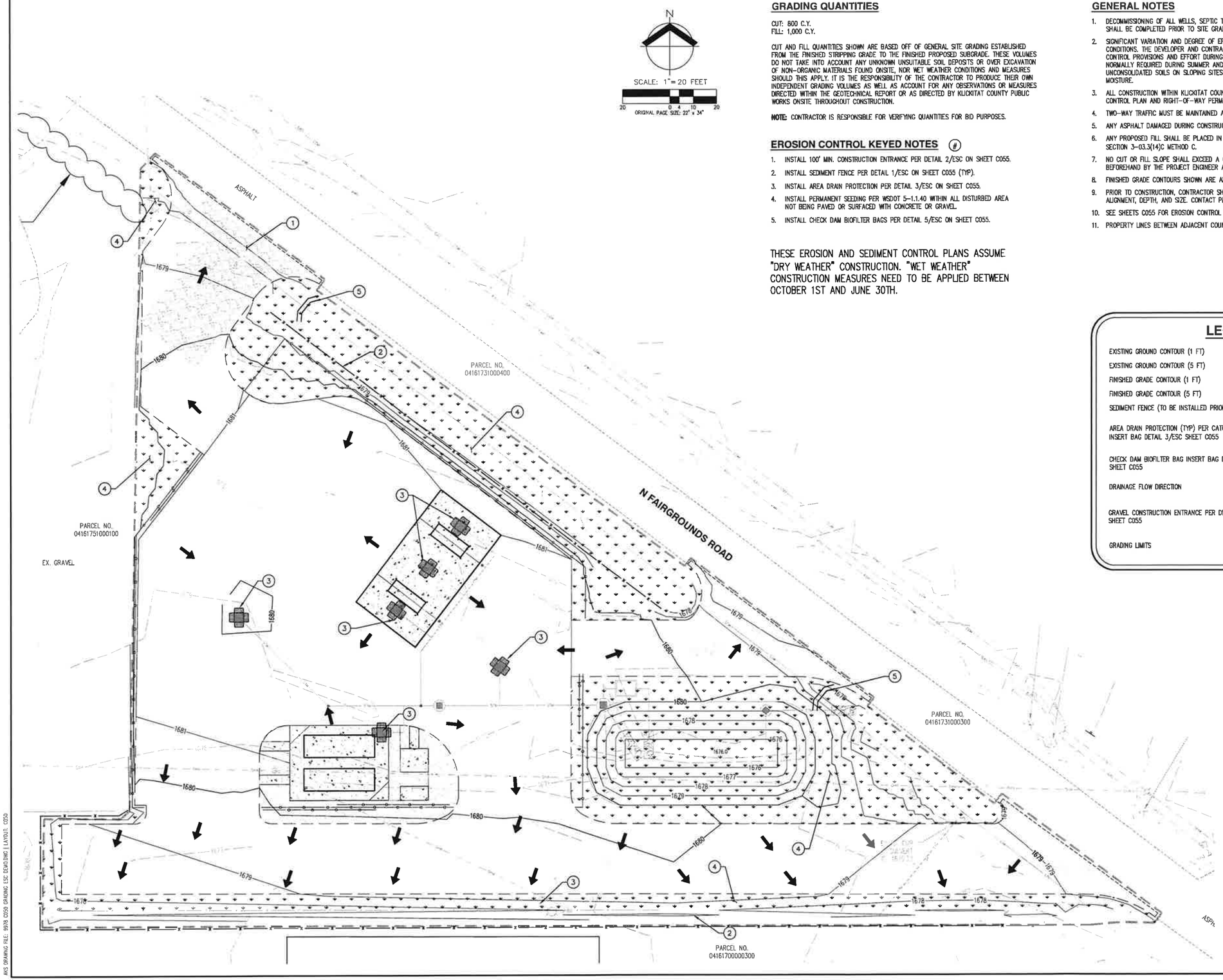
Michael J Summers [illegible]

REVISIONS
ADDENDUM #1 03/16/2026

JOB NUMBER
9978

SHEET
C030

AKS DRAWING FILE: 9978 C002 EX COND.DWG | LAYOUT: C030



GRADING QUANTITIES

CUT: 800 C.Y.
FILL: 1,000 C.Y.

CUT AND FILL QUANTITIES SHOWN ARE BASED OFF OF GENERAL SITE GRADING ESTABLISHED FROM THE FINISHED STRIPPING GRADE TO THE FINISHED PROPOSED SUBGRADE. THESE VOLUMES DO NOT TAKE INTO ACCOUNT ANY UNKNOWN UNSUITABLE SOIL DEPOSITS OR OVER EXCAVATION OF NON-ORGANIC MATERIALS FOUND ONSITE, NOR WET WEATHER CONDITIONS AND MEASURES SHOULD THIS APPLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PRODUCE THEIR OWN INDEPENDENT GRADING VOLUMES AS WELL AS ACCOUNT FOR ANY OBSERVATIONS OR MEASURES DIRECTED WITHIN THE GEOTECHNICAL REPORT OR AS DIRECTED BY KLICKITAT COUNTY PUBLIC WORKS ONSITE THROUGHOUT CONSTRUCTION.

NOTE: CONTRACTOR IS RESPONSIBLE FOR VERIFYING QUANTITIES FOR BID PURPOSES.

EROSION CONTROL KEYED NOTES (#)

1. INSTALL 100' MIN. CONSTRUCTION ENTRANCE PER DETAIL 2/ESC ON SHEET C055.
2. INSTALL SEDIMENT FENCE PER DETAIL 1/ESC ON SHEET C055 (TYP).
3. INSTALL AREA DRAIN PROTECTION PER DETAIL 3/ESC ON SHEET C055.
4. INSTALL PERMANENT SEEDING PER WSDOT 5-1.1.40 WITHIN ALL DISTURBED AREA NOT BEING PAVED OR SURFACED WITH CONCRETE OR GRAVEL.
5. INSTALL CHECK DAM BIOFILTER BAGS PER DETAIL 5/ESC ON SHEET C055.

THESE EROSION AND SEDIMENT CONTROL PLANS ASSUME "DRY WEATHER" CONSTRUCTION. "WET WEATHER" CONSTRUCTION MEASURES NEED TO BE APPLIED BETWEEN OCTOBER 1ST AND JUNE 30TH.

GENERAL NOTES

1. DECOMMISSIONING OF ALL WELLS, SEPTIC TANKS, AND UNDERGROUND STORAGE TANKS (IF ANY EXIST) SHALL BE COMPLETED PRIOR TO SITE GRADING.
2. SIGNIFICANT VARIATION AND DEGREE OF EROSION CONTROL EFFORT WILL BE DICTATED BY WEATHER CONDITIONS. THE DEVELOPER AND CONTRACTOR SHOULD BE PREPARED TO PROVIDE EXTRA EROSION CONTROL PROVISIONS AND EFFORT DURING WINTER AND WET WEATHER CONDITIONS BEYOND THAT NORMALLY REQUIRED DURING SUMMER AND DRY WEATHER CONDITIONS. FINE GRAINED AND UNCONSOLIDATED SOILS ON SLOPING SITES MAY BECOME UNSTABLE WHEN SUBJECT TO EXCESSIVE MOISTURE.
3. ALL CONSTRUCTION WITHIN KLICKITAT COUNTY RIGHT-OF-WAY SHALL HAVE AN APPROVED TRAFFIC CONTROL PLAN AND RIGHT-OF-WAY PERMIT PRIOR TO ANY CONSTRUCTION ACTIVITY.
4. TWO-WAY TRAFFIC MUST BE MAINTAINED AT ALL TIMES ON THE ADJACENT PUBLIC STREETS.
5. ANY ASPHALT DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO KLICKITAT COUNTY STANDARDS.
6. ANY PROPOSED FILL SHALL BE PLACED IN ACCORDANCE WITH 2025 WSDOT STANDARD SPECIFICATIONS SECTION 3-03.3(14)C METHOD C.
7. NO CUT OR FILL SLOPE SHALL EXCEED A GRADE OF 2 HORIZONTAL TO 1 VERTICAL UNLESS APPROVED BEFOREHAND BY THE PROJECT ENGINEER AND THE JURISDICTION.
8. FINISHED GRADE CONTOURS SHOWN ARE APPROXIMATE FINAL GRADE ELEVATIONS.
9. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL POTHOLE EXISTING UTILITIES TO VERIFY EXACT LOCATION, ALIGNMENT, DEPTH, AND SIZE. CONTACT PROJECT ENGINEER IF ADJUSTMENT IS REQUIRED.
10. SEE SHEETS C055 FOR EROSION CONTROL DETAILS.
11. PROPERTY LINES BETWEEN ADJACENT COUNTY OWNED PARCELS NOT SHOWN FOR CLARITY.

LEGEND

- EXISTING GROUND CONTOUR (1 FT)
- EXISTING GROUND CONTOUR (5 FT)
- FINISHED GRADE CONTOUR (1 FT)
- FINISHED GRADE CONTOUR (5 FT) — 1670
- SEDIMENT FENCE (TO BE INSTALLED PRIOR TO GRADING)
- AREA DRAIN PROTECTION (TYP) PER CATCH BASIN INSERT BAG DETAIL 3/ESC SHEET C055
- CHECK DAM BIOFILTER BAG INSERT BAG DETAIL 5/ESC SHEET C055
- DRAINAGE FLOW DIRECTION
- GRAVEL CONSTRUCTION ENTRANCE PER DETAIL 2/ESC SHEET C055
- GRADING LIMITS

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SW 1/4, S17, T4N, R16E, W.M.
PARCEL NO. 04161700000100, 04161731000400

GRADING AND EROSION AND SEDIMENT CONTROL PLAN

DESIGNED BY:	MJS
DRAWN BY:	EMJ
MANAGED BY:	MJS
CHECKED BY:	DWL
DATE: 03/16/2026	

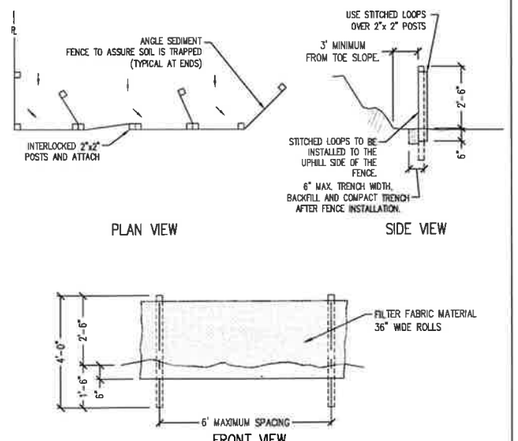
Michael J Summers

REVISIONS
ADDENDUM #1 03/16/2026

JOB NUMBER 9978

SHEET C050

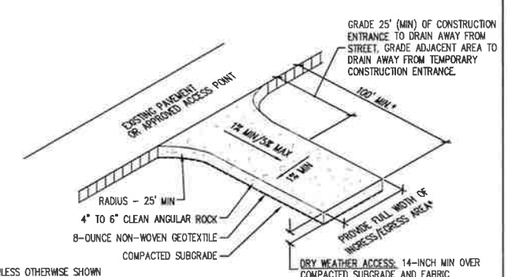
AKS DRAWING FILE: 9978 C050 GRADING ESC DEMO.DWG | LAYOUT: C050



NOTES:
1. BURY BOTTOM OF FILTER FABRIC 6" VERTICALLY BELOW FINISHED GRADE.
2. 2" x 2" FIR, PINE OR STEEL FENCE POSTS. POSTS TO BE INSTALLED ON UPHILL SIDE OF SLOPE.
3. SEDIMENT FENCE SHALL BE CONSTRUCTED OF CONTINUOUS FILTER FABRIC TO MINIMIZE USE OF JOINTS.
4. WHEN A JOINT IS REQUIRED, FABRIC SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST WITH A MINIMUM 6-INCH OVERLAP AND BOTH ENDS SECURELY FASTENED TO A POST.

MAINTENANCE NOTES:
1. SEDIMENT BARRIERS SHALL BE MAINTAINED UNTIL UPHILL AREA IS PERMANENTLY STABILIZED.
2. AT NO TIME SHALL MORE THAN 10 INCHES OF SEDIMENT BE ALLOWED TO ACCUMULATE UPHILL OF SEDIMENT FENCES.
3. NEW SEDIMENT BARRIERS SHALL BE INSTALLED UPHILL AS REQUIRED TO CONTROL SEDIMENT TRANSPORT.
4. SEDIMENT FENCE MUST BE ADEQUATELY SUPPORTED AS REQUIRED TO CONTROL SEDIMENT TRANSPORT.
5. FENCE SHALL NOT BE STAPLED TO EXISTING TREES.
6. CONTRACTOR SHALL REMOVE AND HAUL OFF SITE FOR DISPOSAL UPON PROJECT COMPLETION.

SEDIMENT FENCE
NTS
1 ESC

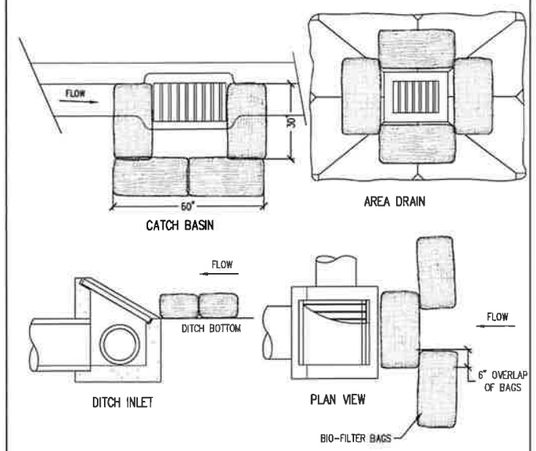


*UNLESS OTHERWISE SHOWN ON APPROVED DRAWINGS.

DRY WEATHER ACCESS: 14-INCH MIN OVER COMPACTED SUBGRADE AND FABRIC
WET WEATHER ACCESS: 24-INCH MIN OVER UNDISTURBED SUBGRADE AND FABRIC

NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS OR ADJACENT PROPERTIES. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
4. WHERE RUNOFF CONTAINING SEDIMENT LADEN WATER IS LEAVING THE SITE VIA THE CONSTRUCTION ENTRANCE, OTHER MEASURES SHALL BE IMPLEMENTED TO DIVERT RUNOFF THROUGH AN APPROVED FILTERING SYSTEM.
5. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
6. ALL TRUCKS TRANSPORTING SATURATED SOILS SHALL BE WELL SEALED. WATER DRIPPAGE FROM TRUCKS MUST BE REDUCED TO ONE GALLON PER HOUR PRIOR TO LEAVING SITE.
7. THE AREA OF THE CONSTRUCTION ENTRANCE SHALL BE STRIPPED OF ALL TOPSOIL, VEGETATION, ROOTS, AND OTHER NON-COMPACTABLE MATERIAL.
8. SUBGRADE SHALL BE COMPACTED AND PROOFROLLED PRIOR TO PLACEMENT OF GRANULAR MATERIAL. FAILURE TO PASS PROOFROLL WILL REQUIRE USE OF WET WEATHER SECTION.
9. FAILURE OR PUMPING OF THE DRY WEATHER SECTION WILL REQUIRE REMOVAL OF THE GRANULAR MATERIAL AND INSTALLATION OF THE WET WEATHER SECTION.

GRAVEL CONSTRUCTION ENTRANCE
NTS
2 ESC

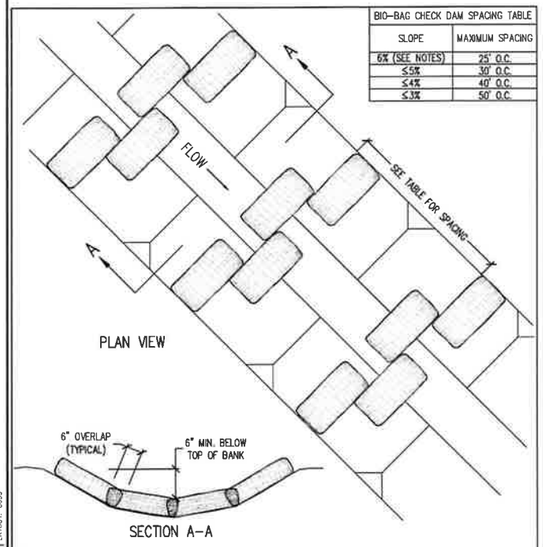


NOTES:
1. ADDITIONAL MEASURES MUST BE CONSIDERED DEPENDING ON SOIL TYPES.
2. BIO-FILTER BAGS SHOULD BE STAKED WHERE APPLICABLE USING (2) 1"x2"x3' WOOD STAKES OR APPROVED EQUAL PER BAG.
3. WHEN USING 30" BIO-BAGS TO PROTECT A CATCH BASIN, 4 BAGS SHALL BE USED AND OVERLAPPED BY 6" MINIMUM.
4. BIO-FILTER BAGS MUST BE REMOVED AND HAULED OFF-SITE FOR DISPOSAL BY THE CONTRACTOR UPON PROJECT STABILIZATION.
5. BIO-FILTER BAGS MAY BE USED SHORT TERM WITH UTILITY WORK AND WITH PHASING OF DEVELOPMENT.

MAINTENANCE NOTES:
1. SEDIMENT BARRIERS SHALL BE MAINTAINED UNTIL UPHILL AREA AS PERMANENTLY STABILIZED.
2. AT NO TIME SHALL MORE THAN 2-INCHES OF SEDIMENT BE ALLOWED TO ACCUMULATE BEHIND BIO-FILTER BAGS.
3. NEW SEDIMENT BARRIERS SHALL BE INSTALLED UPHILL AS REQUIRED TO CONTROL SEDIMENT TRANSPORT.

INLET PROTECTION (BIO-FILTER BAG)
NTS
3 ESC

BIO-BAG CHECK DAM SPACING TABLE	
SLOPE	MAXIMUM SPACING
6% (SEE NOTES)	25' O.C.
≤5%	30' O.C.
≤4%	40' O.C.
≤3%	50' O.C.



NOTES:
1. STAKING OF BAGS REQUIRED USING TWO (2) 1"x2"x3' WOOD STAKES OR APPROVED EQUAL PER BAG.
2. SURFACE MUST BE SMOOTH BEFORE APPLICATION.
3. CHECK DAMS CAN BE CONSTRUCTED USING BIO-FILTER BAGS OR OTHER MATERIALS AS APPROVED BY THE LOCAL JURISDICTION.
4. SLOPES MORE THAN 6% WILL REQUIRE ROCK CHECK DAMS.

MAINTENANCE NOTES:
1. SEDIMENT BARRIERS SHALL BE MAINTAINED UNTIL UP-SLOPE AREA IS PERMANENTLY STABILIZED.
2. AT NO TIME SHALL MORE THAN 2 INCHES OF SEDIMENT BE ALLOWED TO ACCUMULATE BEHIND BIO-FILTER BAGS.
3. NEW SEDIMENT BARRIERS SHALL BE INSTALLED UPHILL AS REQUIRED TO CONTROL SEDIMENT TRANSPORT.
4. CONTRACTOR SHALL REMOVE AND HAUL OFF SITE FOR DISPOSAL UPON PROJECT COMPLETION.

BIO-FILTER BAG CHECK DAM
NTS
5 ESC

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FORESTRY · PLANNING · LANDSCAPE ARCHITECTURE

KLICKITAT COUNTY PUBLIC WORKS
GOLDENDALE FUEL FACILITY
GOLDENDALE WASHINGTON
SW 1/4, S17, T4N, R18E, W.M.
PARCEL NO. 04161700000100, 04161730000400

GRADING AND EROSION AND SEDIMENT CONTROL DETAILS

DESIGNED BY:	MJS
DRAWN BY:	EMJ
MANAGED BY:	MJS
CHECKED BY:	DWL

DATE: 03/16/2026

STATE OF WASHINGTON MICHAEL J. SUMMERS 20101016 REGISTERED PROFESSIONAL ENGINEER 03/16/2026

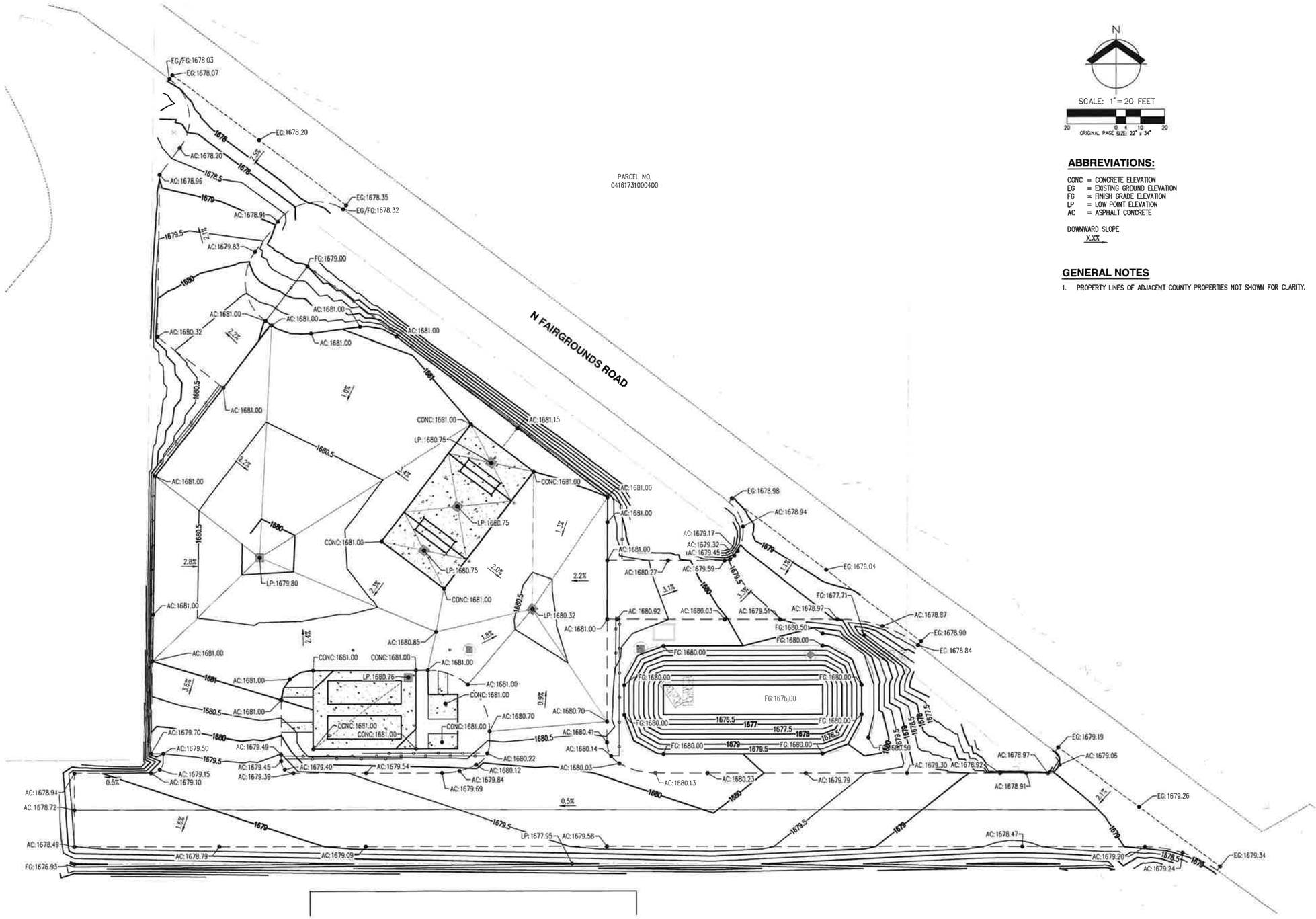
Michael J Summers

REVISIONS
ADDENDUM #1 03/16/2026

JOB NUMBER
9978

SHEET
C055

AKS DRAWING FILE: 9978 C055 GRADING & ESC DETAILS.DWG | LAYOUT: C055



ABBREVIATIONS:

CONC = CONCRETE ELEVATION
EG = EXISTING GROUND ELEVATION
FG = FINISH GRADE ELEVATION
LP = LOW POINT ELEVATION
AC = ASPHALT CONCRETE

DOWNWARD SLOPE
X.X%

GENERAL NOTES

1. PROPERTY LINES OF ADJACENT COUNTY PROPERTIES NOT SHOWN FOR CLARITY.

AKS ENGINEERING & FORESTRY, LLC
9600 NE 126TH AVE., STE 2520
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GOLDENDALE WASHINGTON
SW 1/4, S17, T4N, R18E, W.M.
PARCEL NO. 04161700000100, 04161731000400

SPOT ELEVATION PLAN

DESIGNED BY:	MJS
DRAWN BY:	EMJ
MANAGED BY:	MJS
CHECKED BY:	DW
DATE: 03/16/2026	

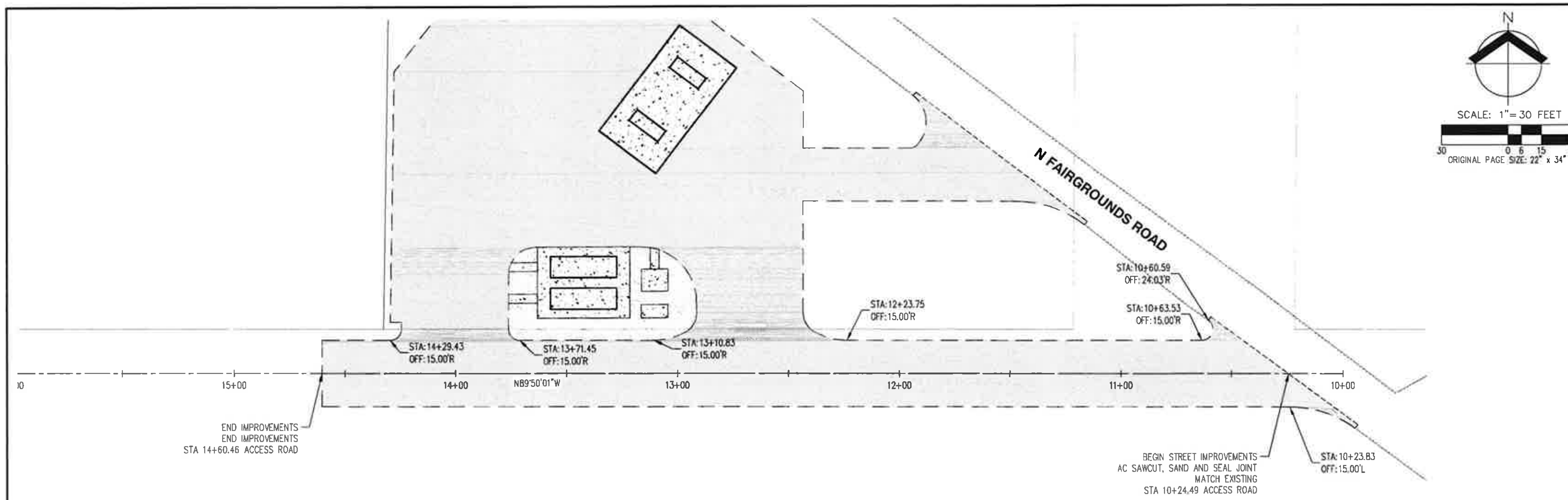
Michael J Summers

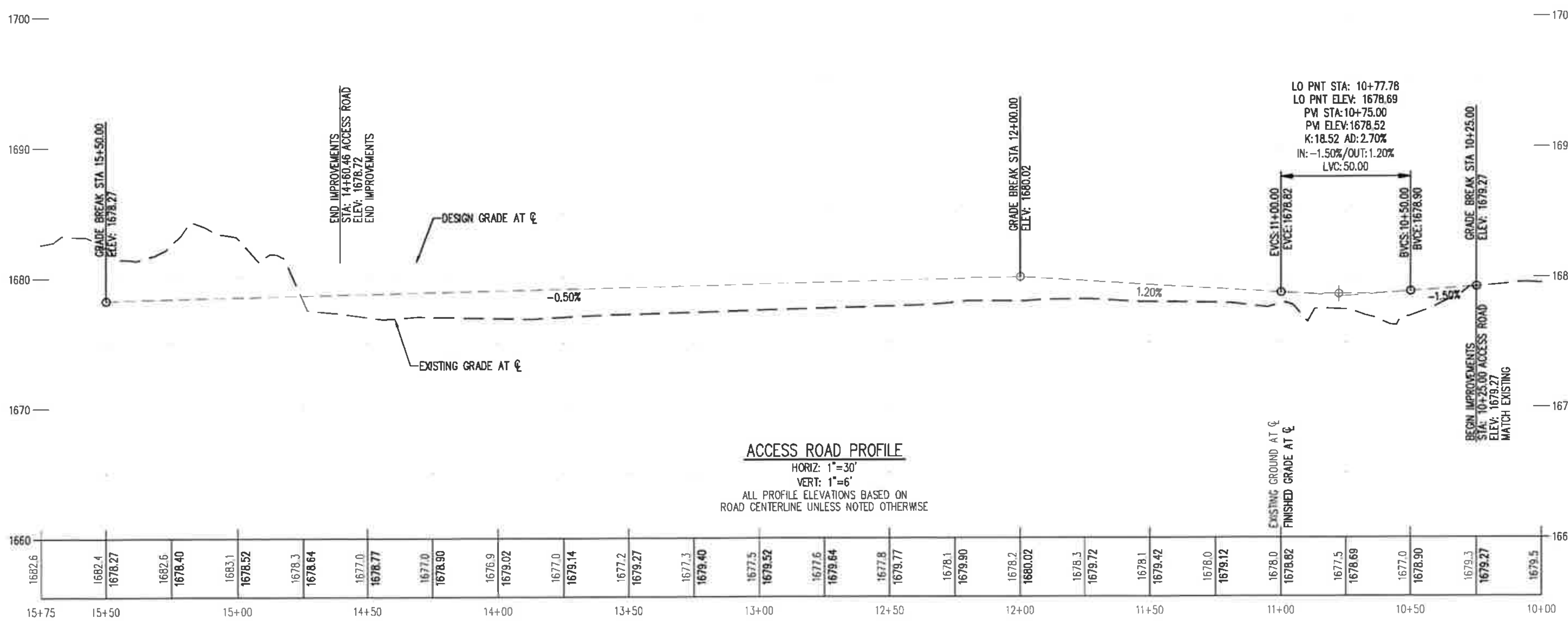
REVISIONS
ADDENDUM #1 03/16/2026

JOB NUMBER
9978

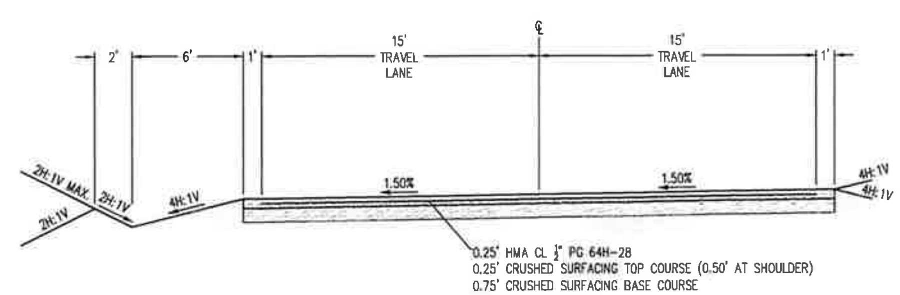
SHEET
C060

AKS DRAWING FILE: 9978 C060 SPOT ELEMS | LAYOUT: C060





ACCESS ROAD PROFILE
HORIZ: 1"=30'
VERT: 1"=6'
ALL PROFILE ELEVATIONS BASED ON ROAD CENTERLINE UNLESS NOTED OTHERWISE



ACCESS ROAD TYPICAL SECTION

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ACCESS ROAD PLAN AND PROFILE

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DATE: 03/16/2026

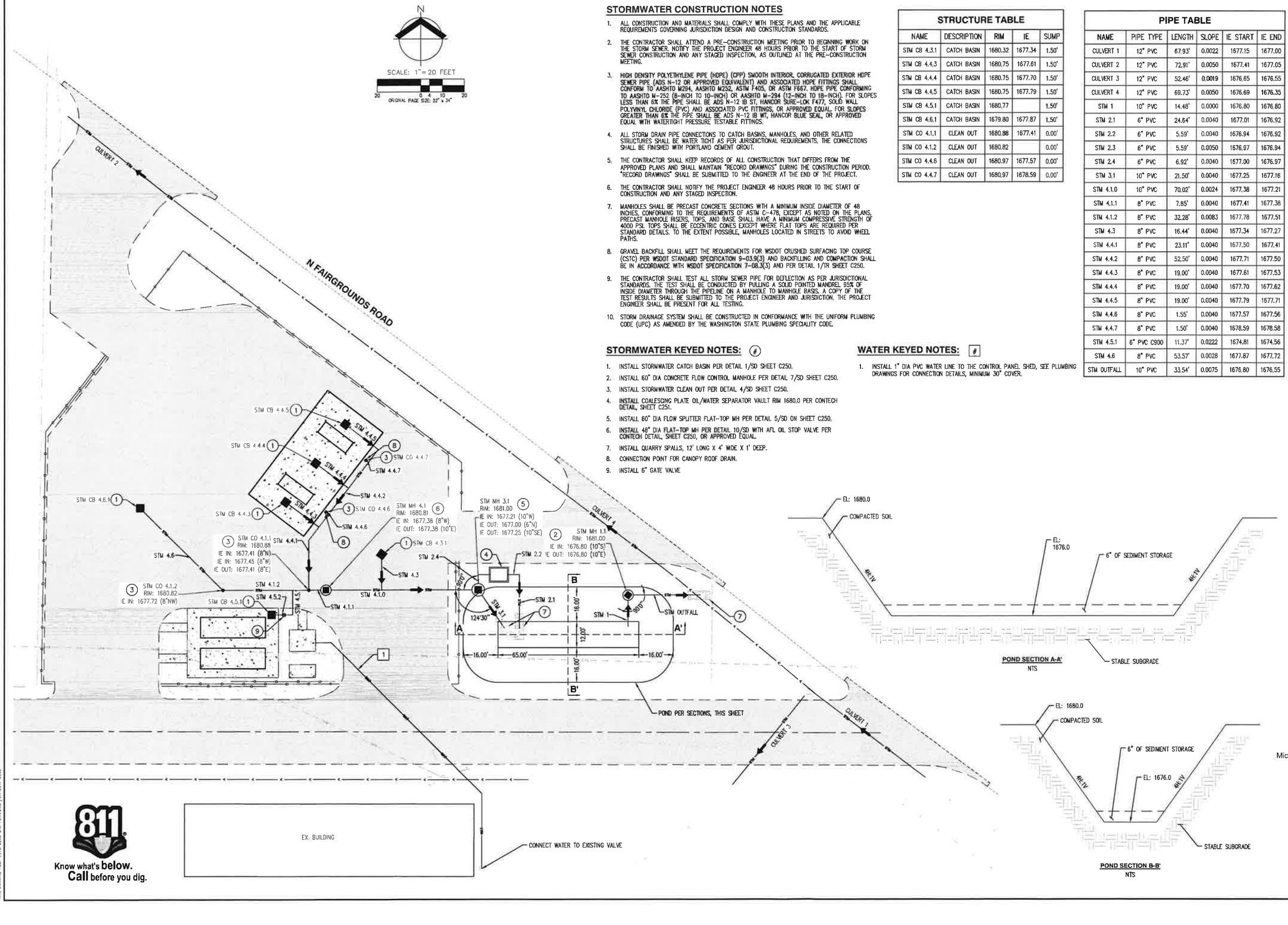
Michael J Summers — MICHAEL J. SUMMERS, STATE OF WASHINGTON, 20101016, REGISTERED PROFESSIONAL ENGINEER

REVISIONS
ADDENDUM #1 03/16/2026

JOB NUMBER
9978

SHEET
C100

AKS DRAWING FILE: 9978 C100 ACCESS ROAD PLAN PROFILE VIEW.DWG | LAYOUT: C100



STORMWATER CONSTRUCTION NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL COMPLY WITH THESE PLANS AND THE APPLICABLE REQUIREMENTS GOVERNING JURISDICTION DESIGN AND CONSTRUCTION STANDARDS.
2. THE CONTRACTOR SHALL ATTEND A PRE-CONSTRUCTION MEETING PRIOR TO BEGINNING WORK ON THE STORM SEWER. NOTIFY THE PROJECT ENGINEER 48 HOURS PRIOR TO THE START OF STORM SEWER CONSTRUCTION AND ANY STAGED INSPECTION, AS OUTLINED AT THE PRE-CONSTRUCTION MEETING.
3. HIGH DENSITY POLYETHYLENE PIPE (HDPE) (CPP) SMOOTH INTERIOR, CORRUGATED EXTERIOR HDPE SEWER PIPE (ADS N-12 OR APPROVED EQUIVALENT) AND ASSOCIATED HDPE FITTINGS SHALL CONFORM TO AASHTO M294, AASHTO M252, ASTM F405, OR ASTM F667. HDPE PIPE CONFORMING TO AASHTO M-252 (8-INCH TO 10-INCH) OR AASHTO M-294 (12-INCH TO 18-INCH). FOR SLOPES LESS THAN 6% THE PIPE SHALL BE ADS N-12 IB ST, HANCOR SURE-LOK F477, SOLID WALL POLYVINYL CHLORIDE (PVC) AND ASSOCIATED PVC FITTINGS, OR APPROVED EQUAL. FOR SLOPES GREATER THAN 6% THE PIPE SHALL BE ADS N-12 IB WT, HANCOR BLUE SEAL, OR APPROVED EQUAL WITH WATERTIGHT PRESSURE TESTABLE FITTINGS.
4. ALL STORM DRAIN PIPE CONNECTIONS TO CATCH BASINS, MANHOLES, AND OTHER RELATED STRUCTURES SHALL BE WATER TIGHT AS PER JURISDICTIONAL REQUIREMENTS. THE CONNECTIONS SHALL BE FINISHED WITH PORTLAND CEMENT GROUT.
5. THE CONTRACTOR SHALL KEEP RECORDS OF ALL CONSTRUCTION THAT DIFFERS FROM THE APPROVED PLANS AND SHALL MAINTAIN "RECORD DRAWINGS" DURING THE CONSTRUCTION PERIOD. "RECORD DRAWINGS" SHALL BE SUBMITTED TO THE ENGINEER AT THE END OF THE PROJECT.
6. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER 48 HOURS PRIOR TO THE START OF CONSTRUCTION AND ANY STAGED INSPECTION.
7. MANHOLES SHALL BE PRECAST CONCRETE SECTIONS WITH A MINIMUM INSIDE DIAMETER OF 48 INCHES, CONFORMING TO THE REQUIREMENTS OF ASTM C-478, EXCEPT AS NOTED ON THE PLANS. PRECAST MANHOLE RISERS, TOPS, AND BASE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI. TOPS SHALL BE ECCENTRIC CONES EXCEPT WHERE FLAT TOPS ARE REQUIRED PER STANDARD DETAILS. TO THE EXTENT POSSIBLE, MANHOLES LOCATED IN STREETS TO AVOID WHEEL PATHS.
8. GRAVEL BACKFILL SHALL MEET THE REQUIREMENTS FOR WSDOT CRUSHED SURFACING TOP COURSE (CSTC) PER WSDOT STANDARD SPECIFICATION 9-03.9(3) AND BACKFILLING AND COMPACTION SHALL BE IN ACCORDANCE WITH WSDOT SPECIFICATION 7-08.3(3) AND PER DETAIL 1/TR SHEET C250.
9. THE CONTRACTOR SHALL TEST ALL STORM SEWER PIPE FOR DEFLECTION AS PER JURISDICTIONAL STANDARDS. THE TEST SHALL BE CONDUCTED BY PULLING A SOLID POINTED MANDREL 95% OF INSIDE DIAMETER THROUGH THE PIPELINE ON A MANHOLE TO MANHOLE BASIS. A COPY OF THE TEST RESULTS SHALL BE SUBMITTED TO THE PROJECT ENGINEER AND JURISDICTION. THE PROJECT ENGINEER SHALL BE PRESENT FOR ALL TESTING.
10. STORM DRAINAGE SYSTEM SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE UNIFORM PLUMBING CODE (UPC) AS AMENDED BY THE WASHINGTON STATE PLUMBING SPECIALITY CODE.

STORMWATER KEYED NOTES: (#)

1. INSTALL STORMWATER CATCH BASIN PER DETAIL 1/SD SHEET C250.
2. INSTALL 60" DIA CONCRETE FLOW CONTROL MANHOLE PER DETAIL 7/SD SHEET C250.
3. INSTALL STORMWATER CLEAN OUT PER DETAIL 4/SD SHEET C250.
4. INSTALL COALESCING PLATE OIL/WATER SEPARATOR VAULT RIM 1680.0 PER CONTECH DETAIL, SHEET C251.
5. INSTALL 60" DIA FLOW SPLITTER FLAT-TOP MH PER DETAIL 5/SD ON SHEET C250.
6. INSTALL 48" DIA FLAT-TOP MH PER DETAIL 10/SD WITH AFL OIL STOP VALVE PER CONTECH DETAIL, SHEET C250, OR APPROVED EQUAL.
7. INSTALL QUARRY SPALLS, 12' LONG X 4' WIDE X 1' DEEP.
8. CONNECTION POINT FOR CANOPY ROOF DRAIN.
9. INSTALL 6" GATE VALVE

WATER KEYED NOTES: [#]

1. INSTALL 1" DIA PVC WATER LINE TO THE CONTROL PANEL SHED, SEE PLUMBING DRAWINGS FOR CONNECTION DETAILS, MINIMUM 30" COVER.

STRUCTURE TABLE

NAME	DESCRIPTION	RIM	IE	SUMP
STM CB 4.3.1	CATCH BASIN	1680.32	1677.34	1.50'
STM CB 4.4.3	CATCH BASIN	1680.75	1677.61	1.50'
STM CB 4.4.4	CATCH BASIN	1680.75	1677.70	1.50'
STM CB 4.4.5	CATCH BASIN	1680.75	1677.79	1.50'
STM CB 4.5.1	CATCH BASIN	1680.77		1.50'
STM CB 4.6.1	CATCH BASIN	1679.80	1677.87	1.50'
STM CO 4.1.1	CLEAN OUT	1680.88	1677.41	0.00'
STM CO 4.1.2	CLEAN OUT	1680.82		0.00'
STM CO 4.4.6	CLEAN OUT	1680.97	1677.57	0.00'
STM CO 4.4.7	CLEAN OUT	1680.97	1678.59	0.00'

PIPE TABLE

NAME	PIPE TYPE	LENGTH	SLOPE	IE START	IE END
CULVERT 1	12" PVC	67.93'	0.0022	1677.15	1677.00
CULVERT 2	12" PVC	72.91'	0.0050	1677.41	1677.05
CULVERT 3	12" PVC	52.46'	0.0019	1676.65	1676.55
CULVERT 4	12" PVC	69.73'	0.0050	1676.69	1676.35
STM 1	10" PVC	14.48'	0.0000	1676.80	1676.80
STM 2.1	6" PVC	24.64'	0.0040	1677.01	1676.92
STM 2.2	6" PVC	5.59'	0.0040	1676.94	1676.92
STM 2.3	6" PVC	5.59'	0.0050	1676.97	1676.94
STM 2.4	6" PVC	6.92'	0.0040	1677.00	1676.97
STM 3.1	10" PVC	21.50'	0.0040	1677.25	1677.16
STM 4.1.0	10" PVC	70.02'	0.0024	1677.38	1677.21
STM 4.1.1	8" PVC	7.85'	0.0040	1677.41	1677.38
STM 4.1.2	8" PVC	32.28'	0.0083	1677.78	1677.51
STM 4.3	8" PVC	16.44'	0.0040	1677.34	1677.27
STM 4.4.1	8" PVC	23.11'	0.0040	1677.50	1677.41
STM 4.4.2	8" PVC	52.50'	0.0040	1677.71	1677.50
STM 4.4.3	8" PVC	19.00'	0.0040	1677.61	1677.53
STM 4.4.4	8" PVC	19.00'	0.0040	1677.70	1677.62
STM 4.4.5	8" PVC	19.00'	0.0040	1677.79	1677.71
STM 4.4.6	8" PVC	1.55'	0.0040	1677.57	1677.56
STM 4.4.7	8" PVC	1.50'	0.0040	1678.59	1678.58
STM 4.5.1	6" PVC C900	11.37'	0.0222	1674.81	1674.56
STM 4.6	8" PVC	53.57'	0.0028	1677.87	1677.72
STM OUTFALL	10" PVC	33.54'	0.0075	1676.80	1676.55

POND SECTION A-A'
NTS

POND SECTION B-B'
NTS

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PARCEL NO. 04167000000100, 04167310000400

STORMWATER PLAN

DESIGNED BY: MJS
DRAWN BY: EMJ
MANAGED BY: MJS
CHECKED BY: DWL
DATE: 03/16/2026

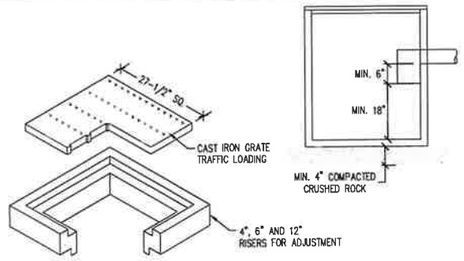
Michael J Summers 03/16/2026

REVISIONS
ADDENDUM #1 03/16/2026

JOB NUMBER 9978

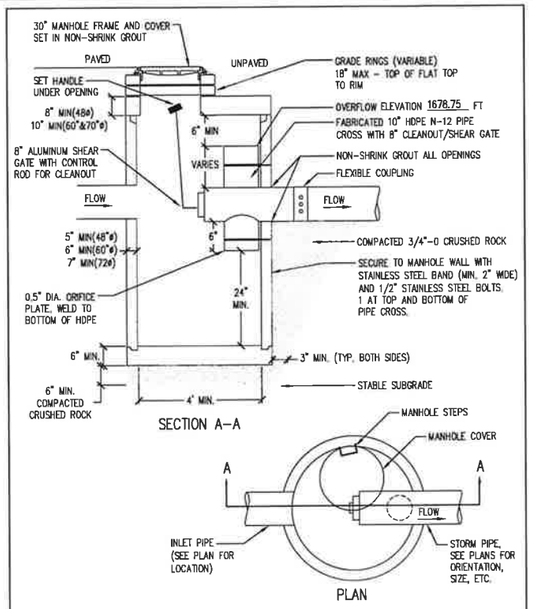
SHEET C200

AKS DRAWING FILE: 9978 C200 STM PLANDWG | LAYOUT: C200



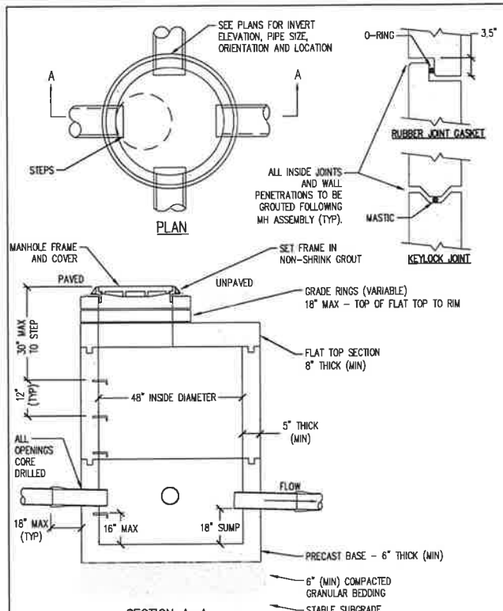
NOTES:
1. SEE CONSTRUCTION DRAWINGS FOR PIPE SIZE, LOCATION AND INVERT ELEVATION.
2. CONCRETE SHALL BE 4000 PSI @ 28 DAYS.
3. AS MANUFACTURED BY ADVANTAGE PRECAST, OR APPROVED EQUAL.

CATCH BASIN (PRECAST CONCRETE)
NTS — 1 SD



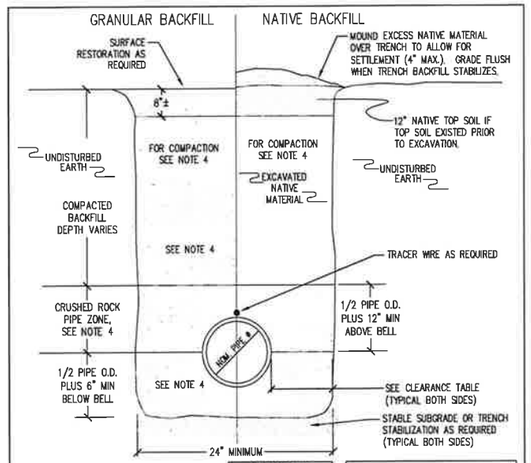
NOTES:
1. ALL STAINLESS STEEL PARTS SHALL BE A-304 GRADE.
2. 8" SHEAR GATE MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS (ADS) 1-800-733-8523, OR APPROVED EQUAL.
3. ALL PRECAST SECTIONS SHALL CONFORM TO ASTM C-478.

FLOW CONTROL MANHOLE WITH OVERFLOW
NTS — 7 SD



NOTES:
1. PRECAST SECTIONS SHALL MEET OR EXCEED ASTM C-478.
2. WATERTIGHT O-RING OR MASTIC KEYLOCK JOINTS REQUIRED.
3. STEPS TO BE FACTORY INSTALLED POLYPROPYLENE PLASTIC WITH GRADE 60 REINFORCING ROD.

48" STORM DRAIN FLAT-TOP MANHOLE
NTS — 10 SD

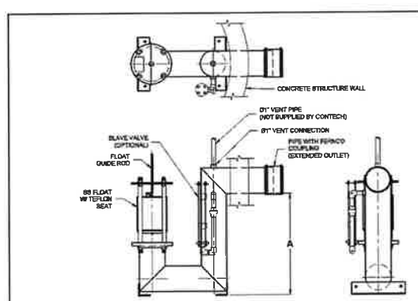


CLEARANCE TABLE	
NOM. PIPE DIAMETER	MIN/MAX CLEARANCE
≤10"	10"/18"
12"-18"	12"/18"
18"-24"	16"/24"
24"-36"	18"/30"
>36"	24"/36"

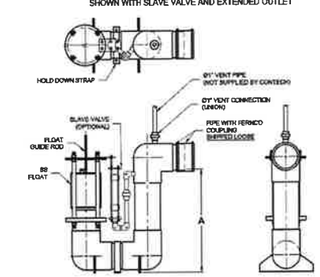
MULTIPLE PIPE INSTALLATIONS	
DIAMETER	SPACE BETWEEN PIPES
6ø TO 24"	8" MIN / 12" MAX

NOTES:
1. GRANULAR BACKFILL REQUIRED UNDER ALL EXISTING OR FUTURE IMPROVED AREAS INCLUDING SIDEWALKS.
2. WHERE NEW PIPING IS IN SAME ALIGNMENT AS EXISTING PIPING, THE PIPE EMBEDMENT SHALL EXTEND TO A MINIMUM OF 6" BELOW THE NEW PIPING OR 6" BELOW EXISTING PIPING, WHICHEVER IS DEEPER.
3. FOR FLEXIBLE PIPE, BOTTOM OF TRENCH SHORING SHALL BE ABOVE SPRINGLINE AND UNDER THE PIPE HAUNCHES.
4. ALL CRUSHED ROCK AND PIPE BEDDING SHALL MEET THE REQUIREMENTS FOR WSDOT CRUSHED SURFACING TOP COURSE (CSTC) PER WSDOT STANDARD SPECIFICATION 9-03.9(3) AND BACKFILLING AND COMPACTION SHALL BE IN ACCORDANCE WITH WSDOT SPECIFICATION 7-08.3(3).

TRENCH BACKFILL
NTS — 1 TR



STAINLESS STEEL
SHOWN WITH SLAVE VALVE AND EXTENDED OUTLET



PVC
SHOWN WITH SLAVE VALVE

OSV MODEL TYPES AND SIZES

OIL STOP VALVE		VALVE MATERIAL	(MIN) DEPTH BELOW OUTLET INVERT (A)		MAX. CAPACITY	
TYPE	INCH		FT	mm	GPM	L/s
STANDARD	OSV-4SS	STAINLESS STEEL	2'-3"	686	160	10.1
	OSV-6SS	STAINLESS STEEL	2'-6"	762	350	22.1
	OSV-8SS	STAINLESS STEEL	2'-10 1/2"	876	600	37.9
	OSV-10SS	STAINLESS STEEL	3'-1"	940	900	56.8
	OSV-12SS	STAINLESS STEEL	3'-6"	1042	1400	88.3
	OSV-4	PVC	2'-3"	686	160	10.1
	OSV-6	PVC	2'-6"	762	350	22.1
	OSV-8	PVC	2'-10 1/2"	876	600	37.9
EXTENDED OUTLET*	OSV-4SST	STAINLESS STEEL	2'-3"	686	160	10.1
	OSV-6SST	STAINLESS STEEL	2'-6"	762	350	22.1
	OSV-8SST	STAINLESS STEEL	2'-10 1/2"	876	600	37.9
	OSV-10SST	STAINLESS STEEL	3'-1"	940	900	56.8
	OSV-12SST	STAINLESS STEEL	3'-6"	1042	1400	88.3
SLAVE VALVE**	OSV-4SSTV	STAINLESS STEEL	2'-3"	686	160	10.1
	OSV-6SSTV	STAINLESS STEEL	2'-6"	762	350	22.1
	OSV-8SSTV	STAINLESS STEEL	2'-10 1/2"	876	600	37.9
	OSV-10SSTV	STAINLESS STEEL	3'-1"	940	900	56.8
	OSV-12SSTV	STAINLESS STEEL	3'-6"	1042	1400	88.3
	OSV-4SV	PVC	2'-3"	686	160	10.1
	OSV-6SV	PVC	2'-6"	762	350	22.1
	OSV-8SV	PVC	2'-10 1/2"	876	600	37.9
EXTENDED OUTLET W/ SLAVE VALVE	OSV-4SSTV	STAINLESS STEEL	2'-3"	686	160	10.1
	OSV-6SSTV	STAINLESS STEEL	2'-6"	762	350	22.1
	OSV-8SSTV	STAINLESS STEEL	2'-10 1/2"	876	600	37.9
	OSV-10SSTV	STAINLESS STEEL	3'-1"	940	900	56.8
	OSV-12SSTV	STAINLESS STEEL	3'-6"	1042	1400	88.3

*A STAINLESS STEEL EXTENDED OUTLET (SST) IS RECOMMENDED WHEN PIPE IS A STEEL POSSIBILITY. THIS FEATURE INCLUDES AN EXTENDED PIPE THROUGH THE OUTLET WALL OF THE STRUCTURE SO THERE IS NO CONNECTION INSIDE TO MELT AND POSSIBLY FAIL.

**A SLAVE VALVE (SV) IS RECOMMENDED IF EVAPORATION OR LEAKING MANHOLES COULD ALLOW THE STANDING WATER LEVEL TO DROP AND THE MAIN FLOAT TO CLOSE PREMATURELY. ONCE WATER ENTERS THE MANHOLE, THE SLAVE'S VALVE WILL OPEN AND EQUALIZE THE PRESSURE ALLOWING THE MAIN FLOAT TO RESPOND.

GENERAL NOTES
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. NUMERICAL COMPONENT OF OSV SIZE INDICATES THE INLET/OUTLET PIPE DIAMETER.
3. ALL OSV UNITS ARE SHIPPED COMPLETE AND FULLY ASSEMBLED.
4. AN OPTIONAL HOUSING STRUCTURE MAY BE REQUESTED. STRUCTURE SHALL BE MANUFACTURED FROM PRECAST CONCRETE AND MAY BE EITHER ROUND OR SQUARE. OSV-4 UNITS MAY BE HOUSED IN EITHER 48-INCH OR 60-INCH DIAMETER(SQUARE) STRUCTURE. ALL OTHER OSV UNITS MAY BE HOUSED IN EITHER 60-INCH OR 72-INCH STRUCTURES.
5. FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.ContechES.com
6. STRUCTURE SHALL MEET H20 AASHTO LOADING AND CASTINGS SHALL MEET AASHTO M306 LOAD RATING. ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.
7. CONTRACTOR TO PROVIDE AND INSTALL THE VENT PIPE, WHICH MUST EXTEND ABOVE CONTAINMENT AREA.
8. AFTER THE OIL STOP VALVE IS INSTALLED, THE STRUCTURE MUST BE FILLED WITH WATER UNTIL THE LIQUID LEVEL IS AT THE INVERT OF THE OUTLET PIPE.
9. FOR ADDITIONAL INFORMATION REFER TO THE CONTECH INSTALLATION MANUAL WHICH IS AVAILABLE UPON REQUEST.

INSTALLATION NOTES (IF HOUSING STRUCTURE IS INCLUDED)
A. ANY SITE SPECIFIC BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE OIL STOP VALVE HOUSING STRUCTURE.
C. CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE. (PROVIDED BY CONTECH)
D. CONTRACTOR TO PROVIDE INSTALL AND GROUT INLET PIPE, AND CONNECT OUTLET PIPE TO SOOT (PROVIDED). MATCH PIPE INVERT WITH ELEVATIONS SHOWN ON APPROVED CONTRACT DRAWINGS.

CONTECH ENGINEERED SOLUTIONS LLC
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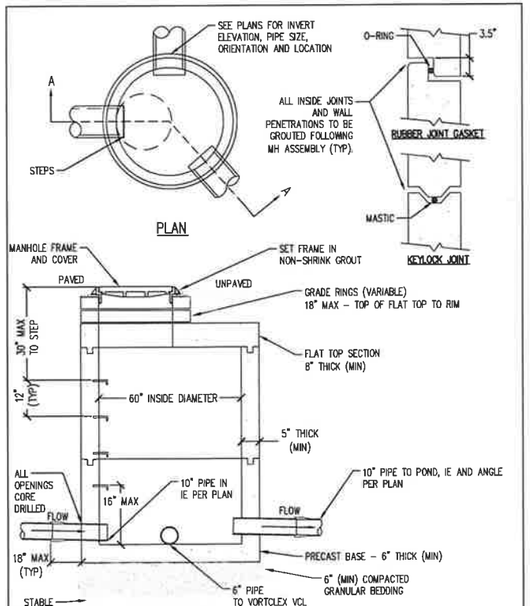
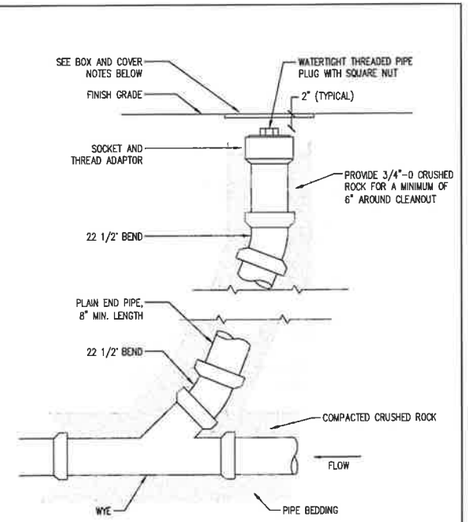
800-338-1122 513-645-7000 513-645-7993 Fax

AFL OIL STOP VALVE
STANDARD DETAIL



NOTES:
1. PRECAST SECTIONS SHALL MEET OR EXCEED ASTM C-478.
2. WATERTIGHT O-RING OR MASTIC KEYLOCK JOINTS REQUIRED.
3. STEPS TO BE FACTORY INSTALLED POLYPROPYLENE PLASTIC WITH GRADE 60 REINFORCING ROD.

60" STORM DRAIN FLOW SPLITTER FLAT-TOP MANHOLE
NTS — 5 SD



NOTES:
1. CLEANOUT RISER SHALL BE SAME SIZE (6" MAX RISER DIAMETER) AND MATERIAL AS LATERAL PIPE.
2. CLEANOUT PIPE SHALL BE LEFT 18" ABOVE EXISTING GRADE UNTIL ALL CURBS ARE INSTALLED AND PRIVATE UTILITY TRENCHES ARE BACKFILLED. CLEANOUTS SHALL THEN BE SET FLUSH WITH FINISH GRADE.
3. TRAFFIC AREA CLEANOUT SHALL BE 6"X4" CAST IRON FRAME AND COVER, OLYMPIC M1007 OR APPROVED EQUAL.
5. NON-TRAFFIC AREA CLEANOUT: CARSON MODEL 910 T-COVER OR APPROVED EQUAL (GREEN FOR SEWER, GRAY FOR STORM)
6. ALL STORM SEWER LIDS TO READ "STORM" OR "C/O".
7. ALL SANITARY SEWER LIDS TO READ "SEWER"

CLEANOUT
NTS — 4 SD

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KLICKITAT COUNTY PUBLIC WORKS
GOLDENDALE FUEL FACILITY
GOLDENDALE WASHINGTON
PARCEL NO. 04161700000100, 04161310090400
SW 1/4, S17, T4N, R16E, W.M.

STORMWATER DETAILS

DESIGNED BY:	MJS
DRAWN BY:	EMJ
MANAGED BY:	MJS
CHECKED BY:	DWL
DATE: 03/16/2026	

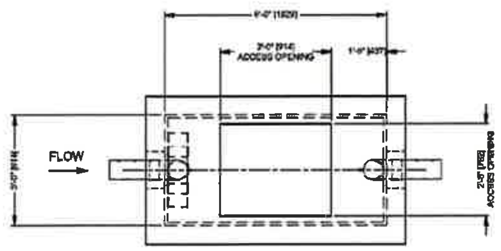
Michael J Summers

REVISIONS
ADDENDUM #1 03/16/2026

JOB NUMBER
9978

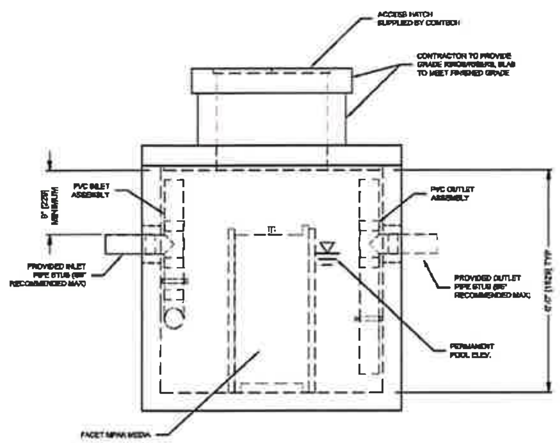
SHEET
C250

AKS DRAWING FILE: 9978 C250 STM DETAILS.DWG | LAYOUT: C250



PLAN VIEW

(MEDIA NOT SHOWN FOR CLARITY)



ELEVATION VIEW

VortClarex®

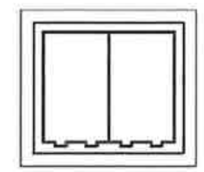
VCL30 DESIGN NOTES

VCL30 RATED TREATMENT CAPACITY IS 110 GPM [6.93 l/s], OR PER LOCAL REGULATIONS. IF THE SITE CONDITIONS EXCEED RATED TREATMENT CAPACITY, AN UPSTREAM BYPASS STRUCTURE IS REQUIRED.

THE VORTCLAREX SYSTEM SHALL REMOVE ESSENTIALLY ALL FREE AND DISPERSED NON-EMULSIFIED OIL FROM THE WATER STREAM AND PRODUCE A DESIRED EFFLUENT BASED ON AN OIL DROPLET TYPICAL OF THE SITE.

THE VORTCLAREX SYSTEM SHALL BE DESIGNED IN ACCORDANCE WITH STOKES LAW AND API BULLETIN NO. 421.

THE STANDARD INLET/OUTLET CONFIGURATION IS SHOWN. FOR OTHER CONFIGURATION OPTIONS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.ContechES.com



30" x 36" [762 x 914] ACCESS HATCH

(ACTUAL PRODUCT MAY VARY)
N.T.S

GENERAL NOTES

1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.ContechES.com
3. VORTCLAREX WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
4. STRUCTURE SHALL MEET AASHTO HS20 AND CASTINGS SHALL MEET AASHTO M306 LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION
5. INLET AND OUTLET PIPES MUST BE PERPENDICULAR TO THE VAULT TO ALLOW CONNECTION WITH PROVIDED PIPE STUBS.
6. FLOW LINE IN AND OUT OF THE VORTCLAREX IS RECOMMENDED TO BE AT THE SAME ELEVATION.
7. ALTERNATE UNITS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

INSTALLATION NOTES

1. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
2. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE VORTCLAREX STRUCTURE (LIFTING CLUTCHES PROVIDED).
3. CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE.
4. CONTRACTOR TO PROVIDE AND INSTALL FERNCO, OR EQUIVALENT, COUPLER TO MATE EXISTING TRUNKLINE TO THE PROVIDED PIPE STUBS. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN

CONTECH ENGINEERED SOLUTIONS LLC
www.ContechES.com
9025 Centre Pointe Dr., Suite 400 West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

VORTCLAREX VCL30
STANDARD DETAIL

AKS ENGINEERING & FORESTRY, LLC
9600 NE 126TH AVE, STE 2520
VANCOUVER, WA 98682
360.882.0419
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GOLDENDALE WASHINGTON
PARCEL NO. 04161700000100, 04161731000400
SW 1/4, S17, T4N, R16E, W.M.

STORMWATER DETAILS

DESIGNED BY: MJS
DRAWN BY: EMJ
MANAGED BY: MJS
CHECKED BY: DWL
DATE: 03/16/2026

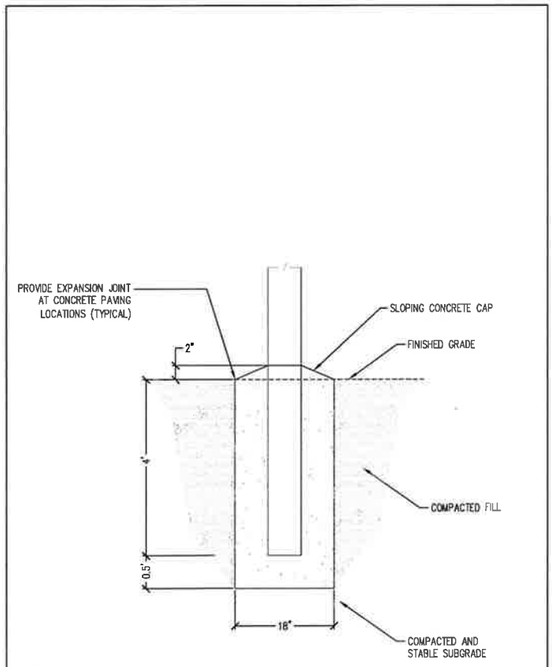
Michael J Summers

REVISIONS
ADDENDUM #1 03/16/2026

JOB NUMBER
9978

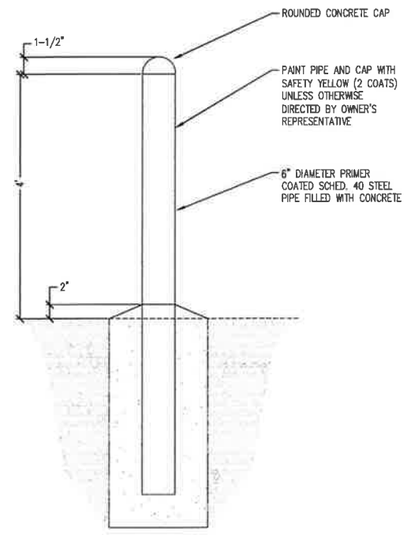
SHEET
C251

AKS DRAWING FILE: 9978 C250 STM DETAILS.DWG | LAYOUT: C251



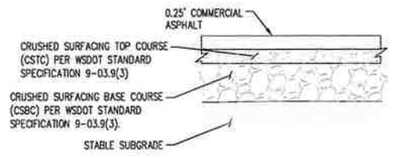
NOTES:
1. CONCRETE SHALL BE MIN. 3300 PSI @ 28 DAYS.
2. VERIFY LOCATION OF UNDERGROUND UTILITIES BEFORE INSTALLING.

CONCRETE FOOTING
NTS
2/SITE



NOTES:
1. FOOTING PER DETAIL 2/SITE, SHEET C500.

6-INCH BOLLARD
NTS
1/SITE

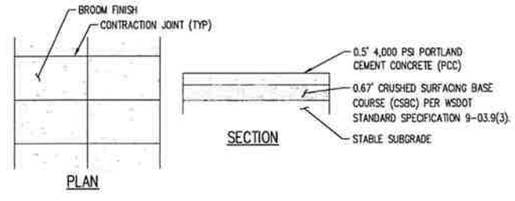


PAVEMENT & BASEROCK SECTIONS:

HEAVY DUTY PAVEMENT
0.25' COMMERCIAL GRADE PAVEMENT
0.25' CRUSHED SURFACING TOP COURSE
0.75' CRUSHED SURFACING BASE COURSE

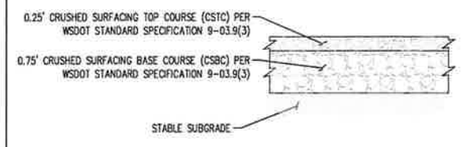
NOTES:
1. SEE PLANS FOR LOCATION OF ASPHALT SECTION(S).
2. DESIGN SUBGRADES SHALL BE COMPACTED PER WSDOT STANDARD SPECIFICATION SECTION 3-03.3(14)C, METHOD C. COMPACTION FOR CSTC AND CSBC SHALL BE PER WSDOT STANDARD SPECIFICATION SECTION 4-05.3(5).

COMMERCIAL ASPHALT SECTION
NTS
1/SRF



NOTES:
1. PCC CONSTRUCTION SHALL CONFORM TO PORTLAND CEMENT ASSOCIATION (PCA) SPECIFICATIONS, UNLESS OTHERWISE SPECIFIED.
2. MAXIMUM JOINT SPACING IS 15 FEET BY 15 FEET.
3. PROPOSED JOINT PATTERN SHALL BE PREPARED BY CONTRACTOR AND SUBMITTED TO OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO PLACING PCC.
4. DEPTH OF JOINTS SHALL BE MINIMUM OF 1/3 TO MAXIMUM 1/2 THE PAVEMENT THICKNESS.
5. SUBGRADE COMPACTION SHALL BE PER WSDOT STANDARD SPECIFICATIONS SECTION 3-03.3(14)C, METHOD C. COMPACTION FOR CSBC SHALL BE PER WSDOT STANDARD SPECIFICATION SECTION 4-05.3(5).

CONCRETE SECTION
NTS
2/SRF



NOTES:
1. SEE PLANS FOR LOCATION OF GRAVEL SECTION(S).
2. STABLE SUBGRADES SHALL BE COMPACTED PER WSDOT STANDARD SPECIFICATION SECTION 3-03.3(14)C, METHOD C. COMPACTION FOR CSTC AND CSBC SHALL BE PER WSDOT STANDARD SPECIFICATION SECTION 4-05.3(5).

GRAVEL SECTION
NTS
3/SRF

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GOLDENDALE WASHINGTON
SW 1/4, S17, T4N, R16E, W.M.
PARCEL NO. 04167000010D, 04167310004I0

SITE DETAILS

DESIGNED BY:	MJS
DRAWN BY:	EMJ
MANAGED BY:	MJS
CHECKED BY:	DWL

DATE: 03/16/2026

MICHAEL J. SUMMERS · STATE OF WASHINGTON · 20101016 · REGISTERED PROFESSIONAL ENGINEER

Michael J Summers | 03-07-26

REVISIONS:
ADDENDUM #1 03/16/2026

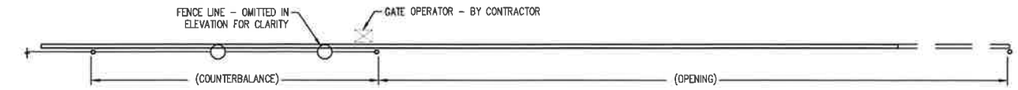
JOB NUMBER
9978

SHEET
C500

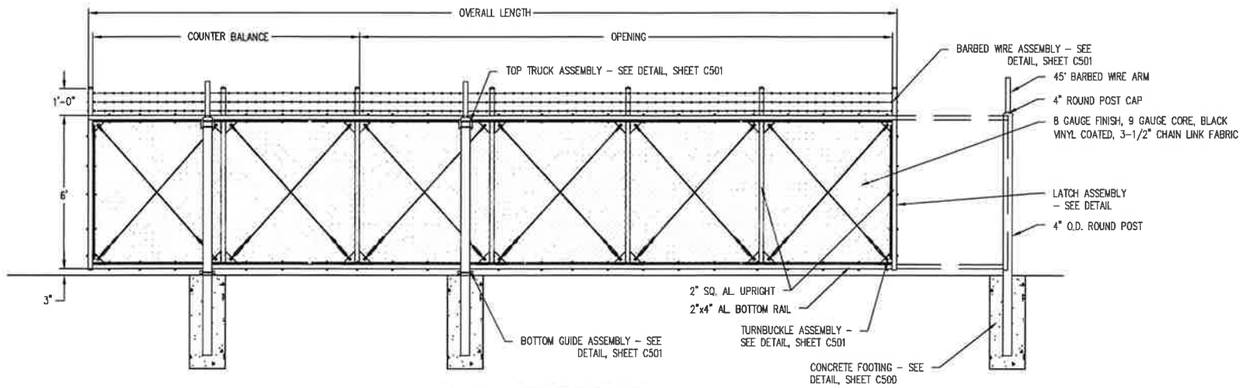
AKS DRAWING FILE: 9978 C500 SITE DETAILS.DWG | LAYOUT: C500

OPENING	OVERALL LENGTH	COUNTERBALANCE
INSIDE FACE OF POST TO INSIDE FACE OF POST	OUTSIDE OF FRAME TO OUTSIDE OF FRAME	OUTSIDE FACE OF POST TO OUTSIDE FACE OF POST
6'-0"	11'-4"	2'-8"
8'-0"	13'-4"	2'-8"
10'-0"	15'-4"	2'-8"
12'-0"	17'-4"	2'-8"
14'-0"	19'-4"	2'-8"
16'-0"	21'-4"	2'-8"
18'-0"	23'-4"	2'-8"
20'-0"	25'-4"	2'-8"
22'-0"	27'-4"	2'-8"
24'-0"	29'-4"	2'-8"
26'-0"	31'-4"	2'-8"
28'-0"	33'-4"	2'-8"
30'-0"	35'-4"	2'-8"
32'-0"	37'-4"	2'-8"
34'-0"	39'-4"	2'-8"
36'-0"	41'-4"	2'-8"
38'-0"	43'-4"	2'-8"
40'-0"	45'-4"	2'-8"
24'-0"	36'-4"	12'-0"
26'-0"	38'-4"	12'-0"
28'-0"	40'-4"	12'-0"
30'-0"	42'-4"	12'-0"
32'-0"	44'-4"	12'-0"
34'-0"	46'-4"	12'-0"
36'-0"	48'-4"	12'-0"
38'-0"	50'-4"	12'-0"
40'-0"	52'-4"	12'-0"

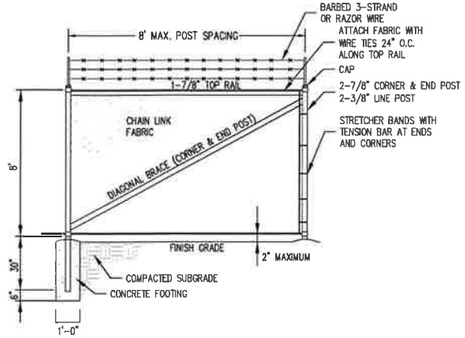
NOTES:
1. ALL COMPONENTS OF THE PANEL TO BE BLACK POWDER COATED.
2. GATE UPRIGHTS, RAILS, AND TRACKS TO BE ALUMINUM.
3. 4" O.D. ROUND POSTS TO BE GALVANIZED SCH. 40 STEEL.
4. GATE WILL BE HUNG ON THE INSIDE OF THE FENCE LINE, WHERE APPLICABLE.
5. BARBED WIRE ARMS ARE 1'-0" HIGHER THAN THE GATE HEIGHT.
6. CONTRACTOR SHALL SUBMIT SHOP DRAWING TO OWNER'S REPRESENTATIVE FOR REVIEW PRIOR TO ORDERING MATERIALS AND INSTALLING.
7. RE-APPLY BLACK POWDER COAT UPON INSTALLATION AS NECESSARY TO PROVIDE CLEAN FINISH.



ROLLING CANTILEVER SLIDE GATE PLAN

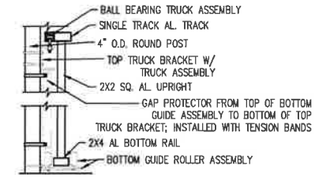


ROLLING CANTILEVER SLIDE GATE
ELEVATION - OUTSIDE LOOKING IN
NTS

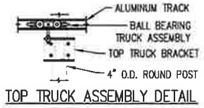


CHAIN LINK FENCE
NTS

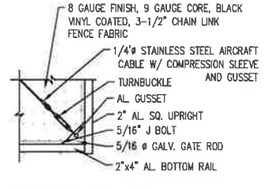
NOTES:
1. FENCE MATERIAL SHALL BE NO. 9 GAUGE GALVANIZED STEEL FABRIC WITH BONDED VINYL COATING (BLACK).
2. FENCE POSTS SHALL BE GALVANIZED STEEL, WITH TOP CAPS, AND SET 30" DEEP IN CONCRETE.
3. CROSS BARS SHALL CONNECT ADJACENT FENCE POSTS WITH DIAGONAL BRACES AT CORNERS AND ENDS.
4. SEE SITE PLAN FOR LOCATION OF FENCE AND GATE OPENING WIDTH.
5. ALL FENCING MATERIALS (INCLUDING CHAIN LINK FABRIC, POSTS, RAILS, ETC.) SHALL BE COVERED WITH BLACK-COLORED VINYL COATING. THE COLOR SHOULD BE THE SAME FOR ALL FENCING MATERIALS.
6. 8' HIGH FENCE: CONCRETE POST BASE SHALL BE 12" MINIMUM DIAMETER X 36" DEEP, 3,000 PSI CONCRETE.
7. INSTALL SECURITY TOP ON ENTIRE FENCE AND GATE.
8. GATE TO BE CANTILEVERED, SEE ELECTRICAL PLANS FOR ELECTRICAL REQUIREMENTS.



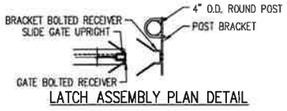
BOTTOM GUIDE ASSEMBLY DETAIL



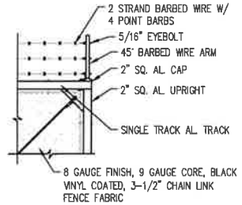
TOP TRUCK ASSEMBLY DETAIL



TURNBUCKLE ASSEMBLY DETAIL



LATCH ASSEMBLY PLAN DETAIL



BARBED WIRE ASSEMBLY DETAIL

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360.882.0419
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GOLDENDALE FUEL FACILITY

GOLDENDALE WASHINGTON
PARCEL NO. 04161708000100, 04161710000400 SW 1/4, S17, T4N, R16E, W.M.

SITE DETAILS

DESIGNED BY: MJS
DRAWN BY: EMJ
MANAGED BY: MJS
CHECKED BY: DWL
DATE: 03/16/2026

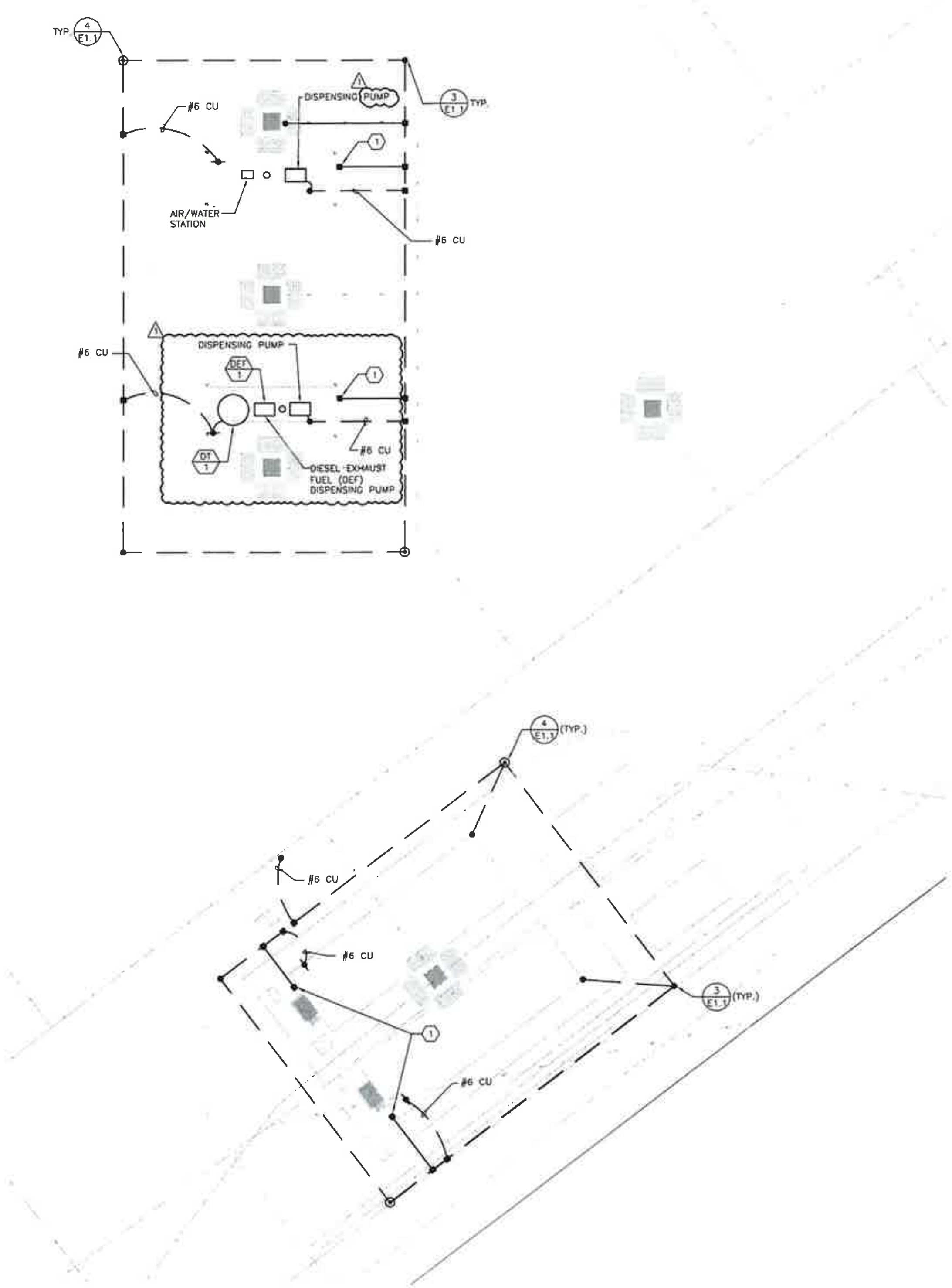
Michael J Summers

REVISIONS
ADDENDUM #1 03/16/2026

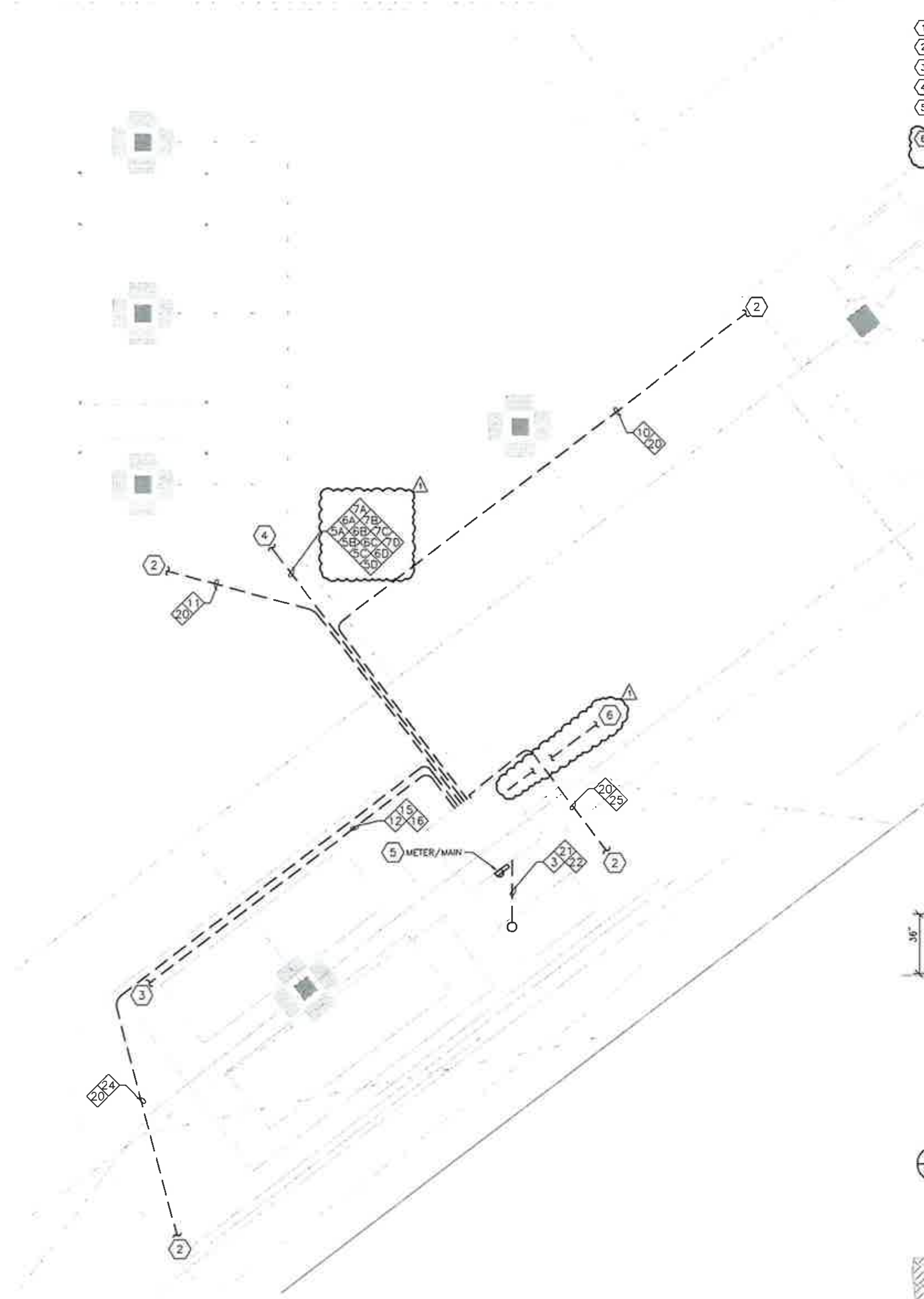
JOB NUMBER 9978

SHEET C501

AKS DRAWING FILE: 9978 C500 SITE DETAILS.DWG | LAYOUT: C501



1 E1.1 PARTIAL SITE PLAN - GROUNDING
SCALE: 1/8" = 1'-0"



2 E1.1 PARTIAL SITE PLAN - ELECTRICAL
SCALE: 1/8" = 1'-0"

GENERAL NOTES

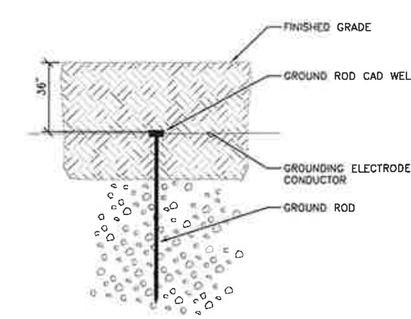
A. SEE DRAWING E1.1 FOR GROUNDING.

B. SEE DRAWING E0.1 FOR LEGEND AND ABBREVIATIONS.

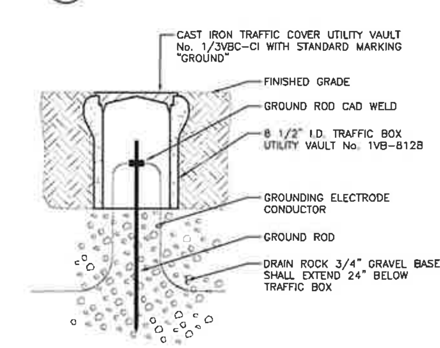
C. GROUND LOOP CONDUCTOR TO BE 2/0 AWG UNLESS OTHERWISE NOTED.

NOTES THIS SHEET

1. HAND CLAMP GROUNDING FOR BOND TO VEHICLES.
2. SEE SHEET E1.0 FOR EQUIPMENT LAYOUT.
3. SEE SHEET E1.2 FOR EQUIPMENT LAYOUT.
4. SEE SHEET E1.3 FOR EQUIPMENT LAYOUT.
5. CONTRACTOR TO COORDINATE WITH OWNER AND ELECTRIC UTILITY FOR RELOCATION OF OVERHEAD POWER LINES AWAY FROM FUEL TANKS.
6. PROVIDE (1) 2" CONDUIT FOR TELECOM. ELECTRICAL CONTRACTOR TO COORDINATE WITH TELECOM UTILITY FOR INTERCONNECTION.



3 E1.1 GROUND ROD (TYP)
SCALE: NONE



4 E1.1 GROUND TEST WELL
SCALE: NONE

R&W ENGINEERING, INC.
"Engineering Integrated Solutions"
9615 S.W. Allen Blvd. Suite 107
E-mail: rweng@rweng.com

THIS LINE IS 2 INCHES AT FULL SCALE. IF IT DOES NOT MEASURE 2 INCHES SCALE ACCORDINGLY

REV	DATE	DESCRIPTION	BY
1	03/16/2026	ADDENDUM #1	GEM

GOLDENDALE FUEL FACILITY
GOLDENDALE, WASHINGTON

ELECTRICAL PARTIAL SITE PLAN - GROUNDING & POWER

DESIGNED	M. PARKER
DRAWN	R&W
CONTACT	M. PARKER
PROJECT #	1311.024.001
DATE	05/19/2025

DRAWING NO.
E1.1
SHEET 3 OF 7

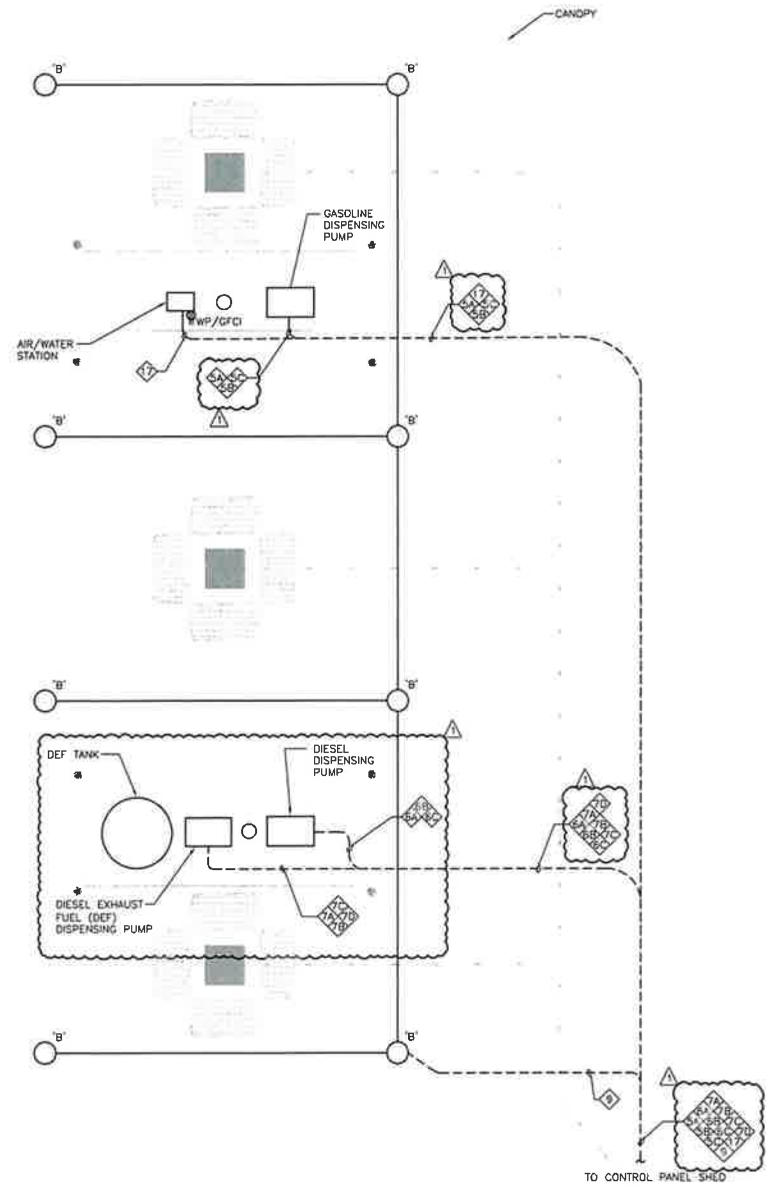
GENERAL NOTES

A. SEE DRAWING E1.1 FOR GROUNDING.

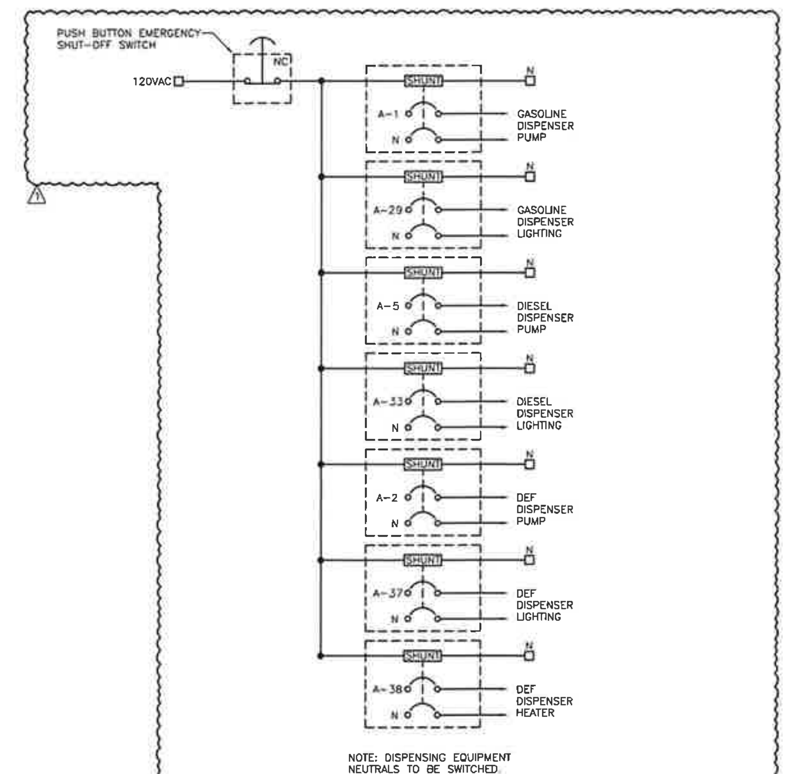
B. SEE DRAWING E0.1 FOR LEGEND AND ABBREVIATIONS

LUMINAIRE SCHEDULE

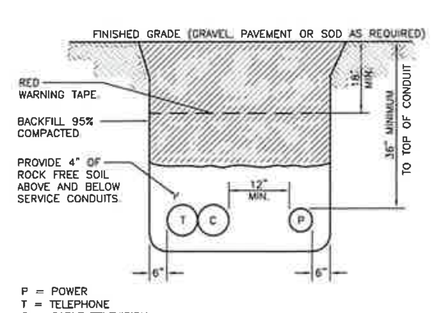
FIXTURE TYPE	DESCRIPTION	LAMP TYPE	BALLAST/ DRIVER	LOCATION	MANUFACTURER AND MODEL NUMBER	INPUT WATTS
'A'	21.8" LONG, 13.3" WIDE, 3" HIGH, TYPE 3 DISTRIBUTION, DARK BRONZE, DIECAST ALUMINUM HOUSING, ACRYLIC LENS, 1 LUMINAIRE MOUNTED 20' ABOVE GROUND ON POLE POLE TO BE STRAIGHT SQUARE STEEL. DARK BRONZE FINISH	(20) LED 7096 LUMENS 4000K, 70 CRI	DRIVER 525mA MVOLT	POLE MOUNTED	LITHONIA LIGHTING: RSX1-LED-P1-40K-R3 POLE: VALMONT DS330 SERIES	51
'B'	3.75" X 19" SURFACE MOUNTED PARKING GARAGE LED LUMINAIRE. P5 PEFORMANCE PACKAGE, TYPE 5 WIDE DISTRIBUTION, SURFACE MT. STANDARD, MOTION/AMBIENT SENSOR FOR 8-15' MOUNTING HEIGHT, DIM TO 35% WHEN NOT OCCUPIED.	LED 10,887 LUMENS 4,000K, 80CRI	DRIVER DIMMING 0-10Vdc MVOLT	SURFACE CANOPY	LITHONIA LIGHTING: VCPG SERIES OR APPROVED.	76
'C'	4-FOOT LINEAR LED WRAP. MEDIUM BODY, FLAT MICROPRISMATIC DIFFUSER, ADJUSTABLE LUMEN OUTPUT (4000, 5000, 6000), WHITE BODY FINISH	LED 6000 LUMENS 4,000K, 80CRI	DRIVER DIMMING 0-10Vdc MVOLT	SURFACE WRAP	LITHONIA LIGHTING: TRUM-48-AL06-FMP-8SWW2-ZT-MVOLT OR APPROVED.	53
'CE'	SAME AS TYPE 'C' EXCEPT WITH INTEGRAL 90-MINUTE EMERGENCY BACKUP BATTERY PACK. LUMINAIRE TO OPERATE DURING LOSS OF BUILDING POWER. PROVIDE WITH TEXT BUTTON AND LED.	LED 6000 LUMENS 4,000K, 80CRI	DRIVER DIMMING 0-10Vdc MVOLT	SURFACE WRAP	LITHONIA LIGHTING: TRUM-48-AL06-FMP-8SWW2-ZT-MVOLT OR APPROVED. EM BATTERY PACK: IOTA IIS-25-1 OR APPROVED.	53
'F'	11.5" WIDE, 7" DEEP, 9" HIGH, FORWARD THROW DISTRIBUTION DIECAST ALUMINUM HOUSING ACRYLIC LENS, DARK BRONZE FINISH	LED 2000 LUMENS 4000K, 80 CRI	DRIVER DIMMING 0-10Vdc MVOLT	WALL MOUNTED	LITHONIA LIGHTING: WDGE2-LED-P2-40K-80CRI-VF-MVOLT-SMR-DDBXD OR APPROVED.	18
'X'	SINGLE FACE EXIT SIGN WITH RED LETTERS, LED, THERMOPLASTIC BODY, WHITE FINISH, FACE PLATE WITH KNOCK OUT DIRECTIONAL CHEVRONS, NICKEL CADIUM BATTERY, SELF DIAGNOSTICS, TEST SWITCH, UNIVERSAL MOUNTING, DAMP LOCATION RATED.	LED RED	MVOLT	UNIVERAL WALL SURFACE/ PENDANT	LITHONIA: LQM SERIES OR APPROVED.	1
	NOTE: 1. VERIFY ALL LUMINAIRE FINISHES WITH OWNER PRIOR TO BID.					



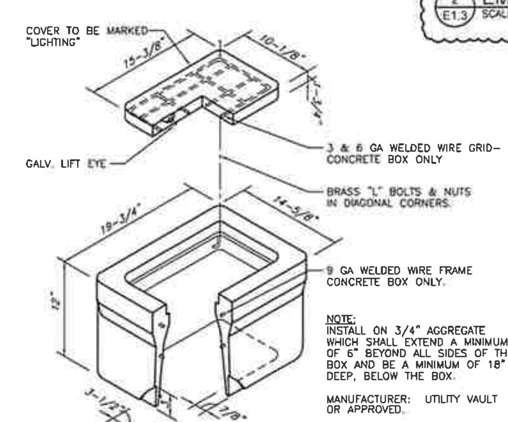
1 E1.3 DISPENSING ISLAND PARTIAL PLAN - ELECTRICAL AND LIGHTING
SCALE: 1/4" = 1'-0"



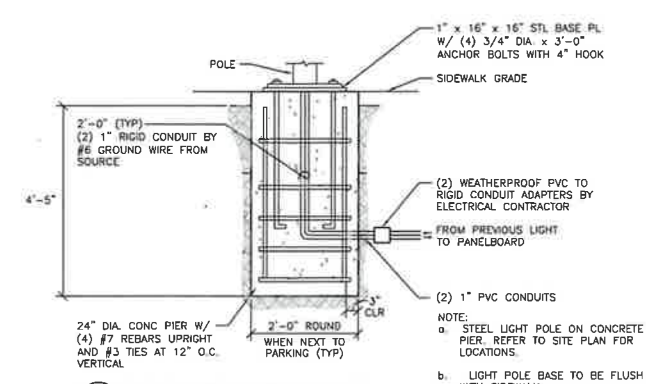
2 E1.3 EMERGENCY SHUT-OFF SWITCH WIRING DIAGRAM
SCALE: NTS



3 E1.3 TRENCHING SECTION
SCALE: NOT TO SCALE



4 E1.3 FLUSH HANDHOLE/SPLICE BOX
SCALE: NONE



5 E1.3 LIGHT POLE BASE DETAIL
NOT TO SCALE

JONATHAN P. LILLY, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER
R&W ENGINEERING, INC.
R&W ENGINEERING, INC.
"Engineering Integrated Solutions"

THIS LINE IS 2 INCHES AT FULL SCALE. IF IT DOES NOT MEASURE 2 INCHES, SCALE ACCORDINGLY

REV	DATE	DESCRIPTION	BY
1	03/16/2026	ADDENDUM #1	GEM

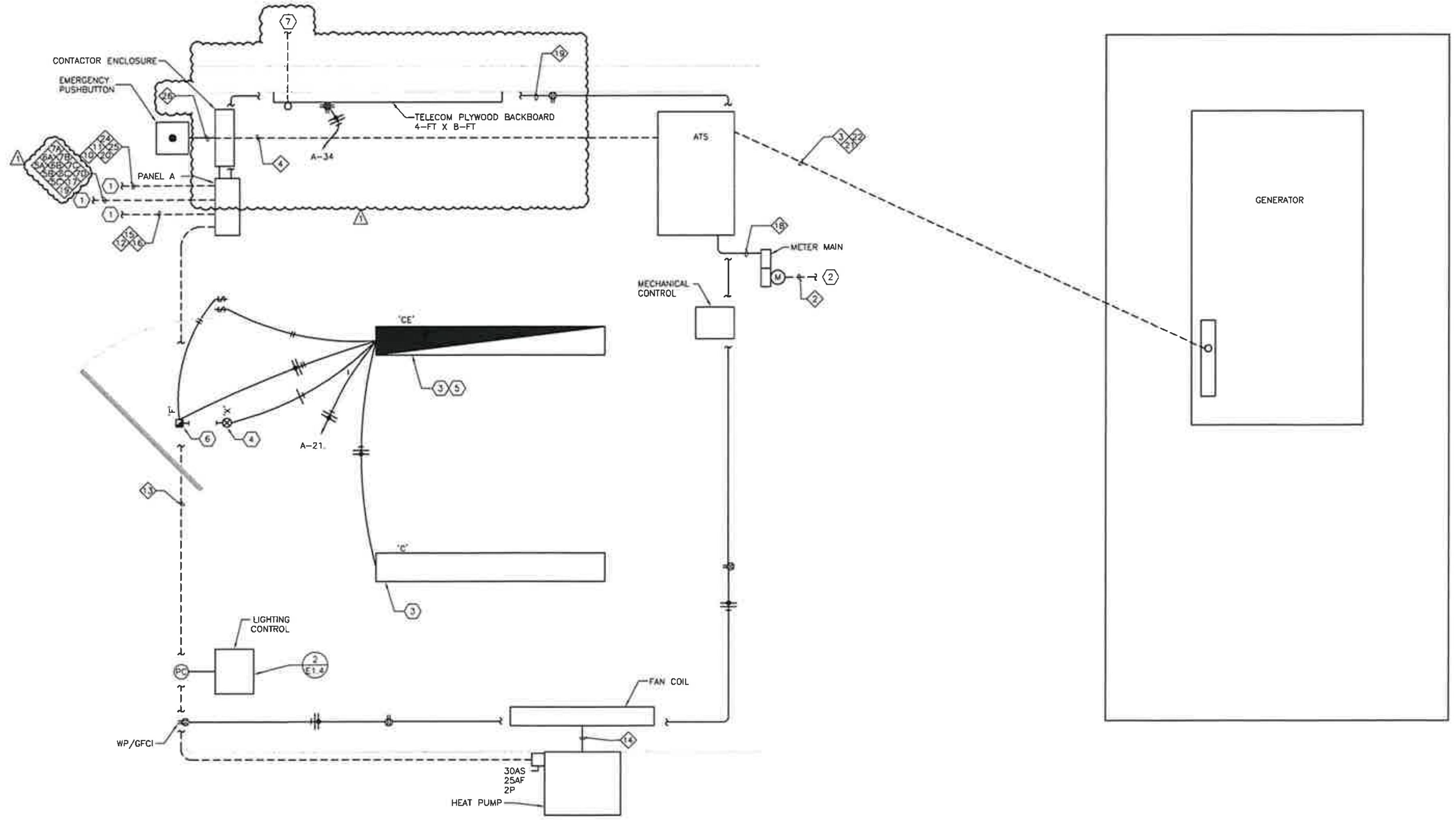
GOLDENDALE FUEL FACILITY
GOLDENDALE, WASHINGTON

ELECTRICAL PARTIAL SITE PLAN - DISPENSING ISLAND

DESIGNED	M. PARKER
DRAWN	R&W
CONTACT	M. PARKER
PROJECT #	1311.024.001
DATE	05/19/2025

DRAWING NO.
E1.3

SHEET 5 OF 7



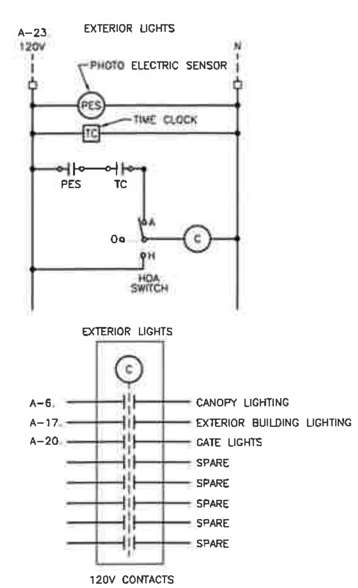
ELECTRICAL SHED PARTIAL PLAN - ELECTRICAL
(1/E1.4) SCALE: 1" = 1'-0"

GENERAL NOTES

A. SEE DRAWING E1.1 FOR GROUNDING
B. SEE DRAWING E0.1 FOR LEGEND AND ABBREVIATIONS
C. SEE ELECTRICAL ONE-LINE DIAGRAM ON DETAIL 2/E1.2
D. SEE DRAWING E1.3 FOR LUMINAIRE SCHEDULE

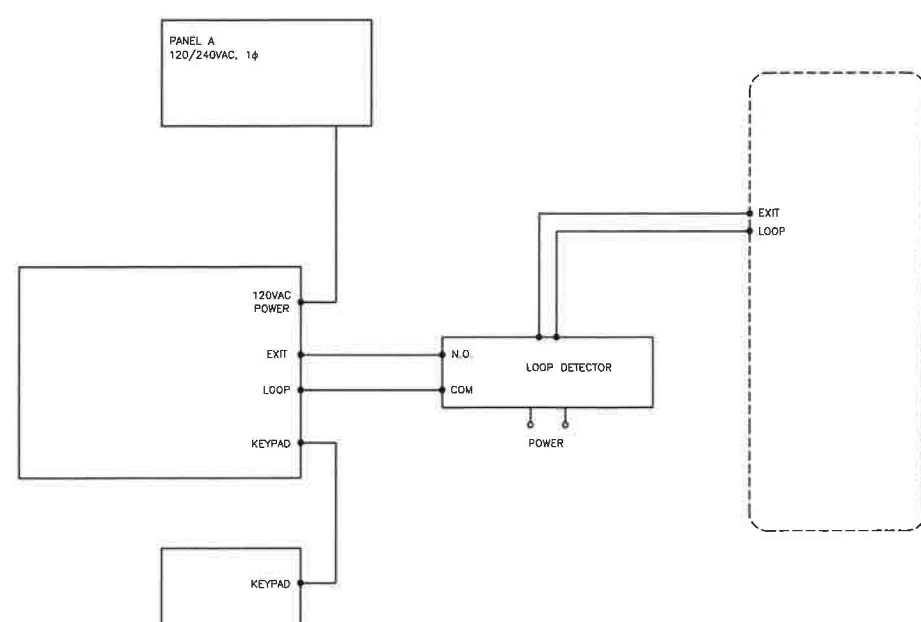
NOTES THIS SHEET

1. SEE SHEET E1.0 FOR EQUIPMENT LOCATIONS.
2. CONTRACTOR TO COORDINATE WITH ELECTRICAL UTILITY.
3. SEE LUMINAIRE SCHEDULE ON SHEET E1.3.
4. PROVIDE UNSWITCHED BRANCH CIRCUIT TO EXIT SIGN FOR BATTERY CHARGING. EXIT SIGNS TO OPERATE AT ALL TIMES.
5. PROVIDE UNSWITCHED BRANCH CIRCUIT TO EMERGENCY EGRESS LIGHT. LUMINAIRE TO OPERATE DURING LOSS OF BUILDING POWER.
6. PROVIDE UNSWITCHED BRANCH CIRCUIT TO EMERGENCY EXTERIOR EGRESS LIGHTING. LUMINAIRE TO OPERATE DURING LOSS OF BUILDING POWER. NORMAL OPERATION TO BE CONTROLLED BY THE EXISTING LIGHTING CONTROL.
7. PROVIDE (1) 2" CONDUIT FOR TELECOM. ELECTRICAL CONTRACTOR TO COORDINATE WITH TELECOM UTILITY FOR INTERCONNECTION.

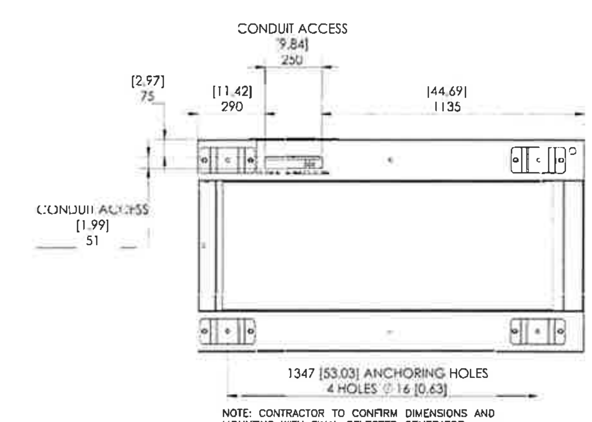


NOTES THIS DETAIL
1. SEE DETAIL 1/E1.4 FOR LOCATION OF CONTROLS.
2. MOUNT PHOTO CELL ON HIGHEST POINT OF NORTH EDGE OF BUILDING ROOF. AIM PHOTO CELL NORTH.

LIGHTING CONTROL DIAGRAM
(2/E1.4) NO SCALE



MOTORIZED GATE CONTROL DIAGRAM
(3/E1.4) NO SCALE



NOTE: CONTRACTOR TO CONFIRM DIMENSIONS AND MOUNTING WITH FINAL SELECTED GENERATOR

GENERATOR ANCHOR LAYOUT
(4/E1.4) SCALE: NTS

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REV	DATE	DESCRIPTION	BY
1	03/16/2026	ADDENDUM #1	GEM

GOLDENDALE FUEL FACILITY
GOLDENDALE, WASHINGTON

ELECTRICAL PARTIAL SITE PLAN - CONTROL PANEL SHED

DESIGNED	M. PARKER
DRAWN	R&W
CONTACT	M. PARKER
PROJECT #	1311.024.001
DATE	05/19/2025

DRAWING NO.
E1.4

SHEET 6 OF 7

PANEL: "A" BUS: 200 A DATE: 03/17/26 VOLTAGE: 120 / 240 VOLTS, 1 PHASE, 3 WIRE

FEEDER: SEE ONE-LINE DIAGRAM MAIN BRKR: 200 MOUNTING: SURFACE

CKT NO.	CIRCUIT DESCRIPTION	CKT BKR AMPS/POLE	LOAD TYPE	LOAD VA	PHASE	LOAD VA	LOAD TYPE	CKT BKR AMPS/POLE	CIRCUIT DESCRIPTION	CKT NO.
1	GASOLINE DISPENSER GAS-1 - PUMP	15/1	M	933	A	466	M	15/1	DEF TANK DEF-1 - PUMP	2
3	SHUNT TRIP	- - -			B			- - -	SHUNT TRIP	4
5	DIESEL DISPENSER DSL-1 - PUMP	15/1	M	933	A	720	R	20/1	RECEPTACLES	6
7	SHUNT TRIP	- - -			B	1216	L	20/1	EXTERIOR CANOPY LIGHTING	8
9	WEST GATE	20/2	M	233	A	1399	M	20/1	SUMP PUMP P-3	10
11	- - -	- - -	M	233	B	932	M	20/2	GASOLINE TANK PUMP P-2	12
13	HEAT PUMP (HP)	25/2	M	2367	A	932	M	- - -	- - -	14
15	- - -	- - -	M	2367	B	233	M	20/2	EAST GATE	16
17	DIESEL TANK PUMP P-1	20/2	M	932	A	233	M	- - -	- - -	18
19	- - -	- - -	M	932	B	699	M	20/1	AIR COMPRESSOR (AC)	20
21	BUILDING LIGHTING	20/1	L	126	A	380	R	20/1	GENERATOR LIGHTS/RECEPTACLE	22
23	GATE LIGHTS	30/2	L	153	B	1500	Z	20/1	GENERATOR CHARGER	24
25	- - -	- - -	L	153	A	233	M	20/2	SOUTHEAST GATE	26
27	LIGHTING CONTROL	20/1	Z	200	B	233	M	- - -	- - -	28
29	GASOLINE DISPENSER GAS-1 - LIGHTING	15/1	L	240	A	233	LM	20/2	SOUTHWEST GATE	30
31	SHUNT TRIP	- - -			B	233	LM	- - -	- - -	32
33	DIESEL DISPENSER DSL-1 - LIGHTING	15/1	L	240	A	360	R	20/1	TELECOM BACKBOARD RECEPTACLES	34
35	SHUNT TRIP	- - -			B	180	Z	15/1	EMERGENCY FUEL SHUT-OFF BUTTON	36
37	DEF TANK DEF-1 - LIGHTING	15/1	L	240	A	1200	Z	15/1	DEF TANK DEF-1 - HEATER	38
39	SHUNT TRIP	- - -			B			- - -	SHUNT TRIP	40
41	SPACE				A				SPACE	42

CONNECTED LOAD

LOAD PER PHASE (VA) A= 12,552 VA; B= 9,111 VA

LOAD PER PHASE (AMPS) A= 104.6 A; B= 75.9 A

TOTAL LOAD (KVA) 21.7 KVA

TOTAL LOAD AMPS 90.3 A

NOTES

1. CKT BREAKERS 1, 2, 5, 29, 33, 37, & 38 MUST BE SWITCHED NEUTRAL TYPE
2. CKT BREAKERS 1, 2, 5, 29, 33, 37, & 38 MUST HAVE A SHUNT TRIP UNIT CONNECTED TO EMERGENCY FUEL SHUT-OFF BUTTON
3.
4.
5.

LOAD SUMMARY

PANEL	RECEPTACLES	MOTOR	KITCHEN	LIGHTING	ELEC. HEAT	GENERAL/MISC.	LARGEST MOTOR	TOTAL (VA)
PANEL A	1,100	9,088	0	1,444	0	1,700	4,734	13,332
CONNECTED (VA)	1,100	9,088	0	1,444	0	1,700	4,734	18,066
CODE FACTOR	10K+50%	100%	100%	125%	100%	125%	125%	
CALCULATED (VA)	1,100	9,088	0	1,805	0	2,125	5,918	20,036

TOTAL CONNECTED LOAD @120/240V/1PH 18 KVA 75.3 AMPS

TOTAL DEMAND LOAD @120/240V/1PH 20 KVA 83.5 AMPS

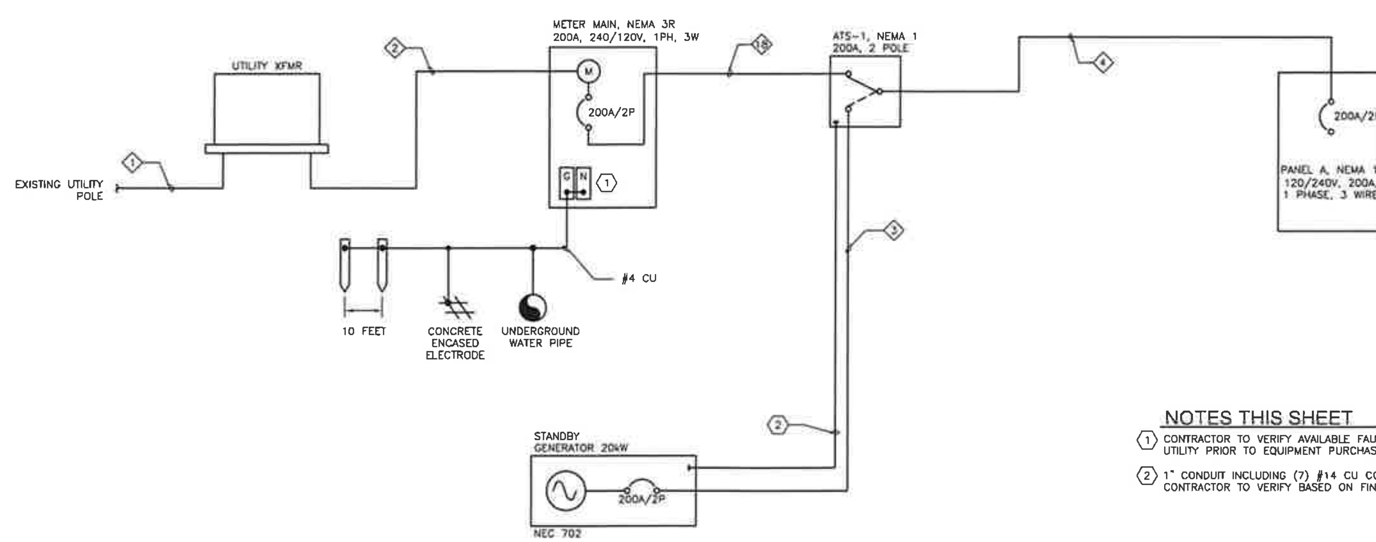
GOLDENDALE FUEL FACILITY
ELECTRICAL CIRCUIT SCHEDULE

ALL CIRCUITS ARE IDENTIFIED ON THE PLANS WITH THE DIAMOND SYMBOL. CONDUCTOR SIZES ARE BASED ON COPPER CONDUCTORS. CONDUIT SIZES ARE SHOWN FOR CASES WHEN CIRCUIT CONDUCTORS ARE RUN WITHOUT OTHER CIRCUITS. MULTIPLE CIRCUITS RUN IN COMMON CONDUITS ARE SHOWN ON PLANS AND SUPERSEDE THE BASIC CONDUIT SIZE SHOWN.

RACEWAY SIZES ARE IN INCHES WITH QUANTITIES IN EXCESS OF (1) SHOWN IN ADJACENT PARENTHESIS. CONDUCTOR CONFIGURATIONS ARE CODED AS FOLLOWS: P- FOR POWER CONDUCTORS, G - FOR GROUND CONDUCTORS, N - FOR NEUTRAL CONDUCTORS, C - FOR CONTROL CONDUCTORS, AND SP - FOR SPARE CONDUCTORS.

CIRCUITS REVISED SINCE LAST ISSUE ARE INDICATED BY AN ASTERISK(*).

CIRCUIT NUMBER	FROM	TO	CONDUCTORS	RACEWAY	NOTES
1	DISTRIBUTION POLE	UTILITY TRANSFORMER	BY UTILITY	3"	CONDUIT BY ELECTRICAL CONTRACTOR, CONDUCTORS BY UTILITY, VERIFY SIZE WITH FINAL UTILITY DESIGN
2	UTILITY TRANSFORMER	METER MAIN	BY UTILITY	3"	CONDUIT BY ELECTRICAL CONTRACTOR, CONDUCTORS BY UTILITY, VERIFY SIZE WITH FINAL UTILITY DESIGN
3	ATS	GENERATOR	(2) #3/0 AWG CU, P (1) #3/0 AWG CU, N (1) #6 AWG CU, G	2"	
4	ATS	PANEL A	(2) 3/0 AWG CU, P (1) #3/0 AWG CU, N (1) #6 AWG CU, G	2"	
5A	PANEL A	GASOLINE DISPENSER GAS-1 - PUMP	(1) #10 AWG CU, P (1) #10 AWG CU, N (1) #10 AWG CU, G	1"	MAY SHARE RACEWAY WITH DISPENSER LIGHTING CONDUCTORS.
5B	PANEL A	GASOLINE DISPENSER GAS-1 - LIGHTING	(1) #10 AWG CU, P (1) #10 AWG CU, N (1) #10 AWG CU, G	1"	MAY SHARE RACEWAY WITH DISPENSER PUMP CONDUCTORS.
5C	TELECOM BACKBOARD	GASOLINE DISPENSER GAS-1 - DATA	(1) #14 AWG CU UTP, C	1"	
6A	PANEL A	DIESEL DISPENSER DSL-1 - PUMP	(1) #10 AWG CU, P (1) #10 AWG CU, N (1) #10 AWG CU, G	1"	MAY SHARE RACEWAY WITH DISPENSER LIGHTING CONDUCTORS.
6B	PANEL A	DIESEL DISPENSER DSL-1 - LIGHTING	(1) #10 AWG CU, P (1) #10 AWG CU, N (1) #10 AWG CU, G	1"	MAY SHARE RACEWAY WITH DISPENSER PUMP CONDUCTORS.
6C	TELECOM BACKBOARD	DIESEL DISPENSER DSL-1 - DATA	(1) #14 AWG CU UTP, C	1"	
7A	PANEL A	DEF TANK PUMP DEF-1	(1) #10 AWG CU, P (1) #10 AWG CU, N (1) #10 AWG CU, G	1"	MAY SHARE RACEWAY WITH DISPENSER LIGHTING AND HEATING CONDUCTORS.
7B	PANEL A	DEF TANK LIGHTING DEF-1	(1) #10 AWG CU, P (1) #10 AWG CU, N (1) #10 AWG CU, G	1"	MAY SHARE RACEWAY WITH DISPENSER PUMP AND HEATING CONDUCTORS.
7C	PANEL A	DEF TANK HEATER DEF-1	(1) #10 AWG CU, P (1) #10 AWG CU, N (1) #10 AWG CU, G	1"	MAY SHARE RACEWAY WITH DISPENSER LIGHTING AND PUMP CONDUCTORS.
7D	TELECOM BACKBOARD	DEF TANK PUMP DEF-1	(1) #14 AWG CU UTP, C	1"	
8	PANEL A	INTERIOR LIGHTING	(1) #12 AWG CU, P (1) #12 AWG CU, N (1) #12 AWG CU, G	1"	
9	PANEL A	EXTERIOR LIGHTING	(1) #12 AWG CU, P (1) #12 AWG CU, N (1) #12 AWG CU, G	1"	
10	PANEL A	EAST GATE	(2) #10 AWG CU, P (1) #10 AWG CU, N (1) #10 AWG CU, G	1"	
11	PANEL A	NORTH GATE	(2) #10 AWG CU, P (1) #10 AWG CU, N (1) #10 AWG CU, G	1"	
12	PANEL A	P-3	(1) #10 AWG CU, P (1) #10 AWG CU, N (1) #10 AWG CU, G	1"	
13	PANEL A	HEAT PUMP (HP)	(1) #10 AWG CU, P (1) #10 AWG CU, N (1) #10 AWG CU, G	1"	
14	HEAT PUMP (HP)	FAN COIL (FC)	(2) #12 AWG CU, P (1) #12 AWG CU, N (1) #12 AWG CU, G	1"	
15	PANEL A	P-1	(2) #10 AWG CU, P (1) #10 AWG CU, N (1) #10 AWG CU, G	1"	
16	PANEL A	P-2	(2) #10 AWG CU, P (1) #10 AWG CU, N (1) #10 AWG CU, G	1"	
17	PANEL A	AIR COMPRESSOR (AC)	(1) #12 AWG CU, P (1) #12 AWG CU, N (1) #12 AWG CU, G	1"	
18	METER MAIN	ATS	(2) #3/0 AWG CU, P (1) #3/0 AWG CU, G (1) #6 AWG CU, G	2"	
19	PANEL A	RECEPTACLES	(1) #12 AWG CU, P (1) #12 AWG CU, N (1) #12 AWG CU, G	1"	
20	PANEL A	GATE LIGHTS	(2) #10 AWG CU, P (1) #10 AWG CU, G	1"	ROUTE THROUGH LIGHTING CONTROL
21	PANEL A	GENERATOR LIGHTS / RECEPTACLE	(2) #12 AWG CU, P (1) #12 AWG CU, N (1) #12 AWG CU, G	1"	
22	PANEL A	GENERATOR BATTERY CHARGER	(2) #12 AWG CU, P (1) #12 AWG CU, N (1) #12 AWG CU, G	0.75"	
23	PANEL A	LIGHTING CONTROL	(2) #12 AWG CU, P (1) #12 AWG CU, N (1) #12 AWG CU, G	0.75"	
24	PANEL A	SOUTHWEST GATE	(2) #10 AWG CU, P (1) #10 AWG CU, N (1) #10 AWG CU, G	1"	
25	PANEL A	SOUTHEAST GATE	(2) #10 AWG CU, P (1) #10 AWG CU, N (1) #10 AWG CU, G	1"	
26	PANEL A	EMERGENCY FUEL SHUT-OFF BUTTON	(1) #12 AWG CU, P (1) #12 AWG CU, N (1) #12 AWG CU, G	1"	



2 / E1.2 PUMP WIRING DIAGRAM
SCALE: NTS

NOTES THIS SHEET

1. CONTRACTOR TO VERIFY AVAILABLE FAULT CURRENT FROM ELECTRICAL UTILITY PRIOR TO EQUIPMENT PURCHASE.
2. 1" CONDUIT INCLUDING (7) #14 CU CONDUCTORS FOR CONTROL. CONTRACTOR TO VERIFY BASED ON FINAL EQUIPMENT SELECTION.

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

TAG	DESCRIPTION	LOCATION	LOAD	VOLT/PH	CIRCUIT	DISCONNECT
DEF-1	DEF TANK DISPENSER	DISPENSING ISLAND	0.5HP	120V/1PH	7	20AS
DSL-1	DIESEL DISPENSER	DISPENSING ISLAND	1HP	115/230V/1PH	6	20AS
GAS-1	GAS DISPENSER	DISPENSING ISLAND	1HP	115/230V/1PH	5	20AS
AC	AIR COMPRESSOR	CONTROL SHED	0.75HP	120V/1PH	17	20AS
HP	HEAT PUMP	CONTROL SHED	5HP	208V/1PH	13	25AS
FC	FAN COIL	CONTROL SHED	5HP	208V / 1PH	14	20AS
P-3	SUMP PUMP	FUEL STORAGE	1.5HP	115V/1	12	20AS
P-1	DIESEL TANK PUMP	FUEL STORAGE	2HP	250V/1PH	15	20AS
P-2	GAS TANK PUMP	FUEL STORAGE	2HP	250V/1PH	16	20AS

JONATHAN P. LILLY, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER
2026.02.17 14:23:57-07'00'

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REV	DATE	DESCRIPTION	BY
1	03/16/2026	ADDENDUM #1	GEM

GOLDENDALE FUEL FACILITY
GOLDENDALE, WASHINGTON

ELECTRICAL SCHEDULES AND LOAD SUMMARY

DESIGNED	M. PARKER
DRAWN	R&W
CONTACT	M. PARKER
PROJECT #	1311.024.001
DATE	05/19/2025

DRAWING NO.
E1.5

PLUMBING FIXTURE CONNECTION SCHEDULE ①

MARK	FIXTURE	W	V	CW	HW	MANUFACTURER	REMARKS
HB-1	HOSE BIBB			3/4		SMITH 5509QT NON FREEZE	NON-FREEZE RECESSED WALL BOX
BFP-1	REDUCED PRESSURE	2	2	3/4		WATTS SERIES 009	DRAIN TO FLOOR SINK
FD-1	FLOOR DRAIN	3	2			SMITH 2005-A	PRIME

① BRANCH PIPE SIZE TO FIXTURE SAME AS CONNECTION SIZE SHOWN ABOVE UNLESS INDICATED OTHERWISE ON DRAWINGS.

VENT SCHEDULE

MARK NUMBER	TV-1	TV-2	TV-3
SYSTEM	ALL TANKS	ALL TANKS	ALL TANKS
TYPE	INTERSTITIAL	EMERGENCY	VENT
VENT DIA. (IN)	4	8	2
TOP/BODY	NOTE 1	N/A	NOTE 6
BASE	NOTE 2	N/A	N/A
POPPET	NOTE 2	N/A	N/A
SCREEN	NOTE 3	N/A	NOTE 3
GASKET	NOTE 4	YES	N/A
MOUNT	VERTICAL	VERTICAL	VERTICAL
THREAD (IN)	3	NOTE 5	NOTE 5
DESIGN WEIGHT (LBS)	2.2	N/A	1
NOTES	N/A	N/A	N/A
MANUFACTURER/ MODEL	OPW/ 623V-3203	MORRISON/ 244OF-08080	MORRISON/ 155---0500AV

NOTES:
1. POLYPROPYLENE
2. ANODIZED ALUMINUM
3. STAINLESS STEEL MESH
4. CLOSED CELL FOAM
5. PROVIDE WITH FLANGE ADAPTOR
6. ALUMINUM T-STYLE

PUMP SCHEDULE

MARK NUMBER	P-1	P-2	P-3
SYSTEM	GAS	DIESEL	SUMP
FLOW (GPM @ FT)	22 @ 128	22 @ 128	10 @ 40
CONNECTION SIZE (IN)	2	2	1 1/2
MOTOR (HP)	2	2	1 1/2
SPEED (RPM)	NOTE 5	NOTE 5	1750
VERTICAL DISCHARGE SIZE (IN)	2	2	2
SHUT OFF HEAD (FT)	130	130	42
ELECTRICAL (V-PH)	250-3	250-3	115-1
NOTES	4, 6	4, 6	1, 2, 3, 4
MANUFACTURER/ MODEL	FRANKLIN/ STPMVS2-VL2	FRANKLIN/ STPMVS2-VL2	ZOELLER/ NX292

NOTES:
1. EXPLOSION PROOF
2. NONATUOMATIC
3. 20FT. UL LISTED 5-WIRE NEOPRENE CORD
4. SUBMERSIBLE
5. PROVIDE WITH VARIABLE SPEED
6. PROVIDE VEEDER ROOT TLS-450PLUS WITH PUMP SMART CONTROLLER RED JACKET IQ2 SMART CONTROLLER

DISPENSER SCHEDULE

MARK NUMBER	DSL-1	GAS-1	DEF-1
SYSTEM	DIESEL	GAS	DEF
TYPE	SINGLE	SINGLE	SINGLE
NUMBER OF HOSES	1	1	1
FLOW (GPM)	22	22	15
MAX. WORKING PRESSURE (PSI)	50	50	30
INTERNAL FUEL PIPING (IN)	1	1	3/4
DISCHARGE HOSE CONN. (IN)	1	1	1
MOTOR (HP)	1	1	N/A
INLET ISLAND CONNECTION (IN)	1 1/2	1 1/2	1
ELECTRICAL (V-PH)	115/230-1	115/230-1	115/230-1
NOTES	1-4	1-4	3-5
MANUFACTURER/ MODEL	GASBOY/ ATLASX9853G	GASBOY/ ATLASX9853G	GASBOY/ ATLASX9862GX

NOTES:
1. PROVIDE WITH MECHANICAL 10-DIGIT TOTALIZER
2. FULL MODEL NUMBER ATLASX9853GXTW1
3. INTEGRATE WITH ATALAS PRIME FUEL MANAGEMENT CONTROLLER
4. PROVIDE WITH EKOS SOFTWARE
5. INTERLOCK WITH DT-1

TANK SCHEDULE

MARK NUMBER	TNK-1	TNK-2
SYSTEM	DIESEL	GAS
TYPE	DBL WALLED	DBL WALLED
EMERGENCY VENT DIA. (IN)	NOTE 1	NOTE 1
INLET DIA. (IN)	4	4
OUTLET DIA. (IN)	4	4
NUMBER OF VENTS	2	2
VENT DIA. (IN)	NOTE 1	NOTE 1
INTERSTITIAL VENT DIA. (IN)	NOTE 1	NOTE 1
LEAK DETECTION DIA. (IN)	2	2
MANWAY DIA. (IN)	20	20
CLOCK GAUGE	NOTE 2	NOTE 2
DESIGN WEIGHT (LBS)	57,316	57,316
NOTES	3	3
MANUFACTURER/ MODEL	EAGLE TANKS UL-2085	EAGLE TANKS UL-2085

NOTES:
1. SEE VENT SCHEDULE.
2. PROVIDE WITH MORRISON BROS 818 SERIES CLOCK GAUGE WITH DROP TUBE. 4" FLANGE.
3. PROVIDE WITH VEEDER ROOT TL450.
4. SEE STRUCTURAL FOR SEISMIC ATTACHMENT.

FILL BOX SCHEDULE

MARK NUMBER	FIL-1	FIL-2
SYSTEM	DIESEL	GAS
TYPE	SINGLE	SINGLE
CAPACITY (GALLONS)	15	15
CONNECTION TYPE	FEMALE	FEMALE
CONNECTION SIZE (IN)	4	4
DRAIN CONNECTION (IN)	1	1
DESIGN WEIGHT (LBS)	158	158
NOTES	1, 2, 3	1, 2, 3
MANUFACTURER/ MODEL	MORRISON B/ 515 SERIES	MORRISON B/ 515 SERIES

NOTES:
1. PROVIDE WITH WEATHER-TIGHT ENCLOSURE
2. PROVIDE WITH PEDESTAL MOUNT
3. PROVIDE WITH BACK PORT LOCATION

COMPRESSOR SCHEDULE

MARK NUMBER	CA-1
TYPE	AIR/WATER
AIR GAUGE (PSI)	90
MOTOR (HP)	3/4
ISOLATION TYPE	NOTE 1
ELECTRICAL (V-PH)	120-1
DESIGN WEIGHT (LBS)	125
NOTES	1 & 2
MANUFACTURER/ MODEL	J.E. ADAMS/ 8670-2WBGA

NOTES:
1. PROVIDE WITH OPTIONAL 6025 BASE
2. PROVIDE WITH RETRACTABLE HOSE

DEF TANK SCHEDULE

MARK NUMBER	DT-1
CAPACITY (GALLONS)	500
FLOW RATE (GPM)	15
PUMP MOTOR (HP)	1/2
ELECTRICAL (V-PH)	115-1
HOSE REEL (FT)	15
NOTES	1-6
MANUFACTURER/	FLUIDALL/ DEFPRO500

NOTES:
1. TANK MATERIAL SHALL BE CONSTRUCTED OF POLYETHYLENE
2. PROVIDE WITH SPF INSULATION AND UV PROTECTIVE COATING
3. PROVIDE WITH FLUID LEVEL LCD CONTROL
4. PROVIDE WITH HORNET W85 HYBRID PUMP
5. PROVIDE WITH SUCTION HOSE
6. PROVIDE WITH COMMERCIAL HEATER

OIL WATER SEPARATOR SCHEDULE

MARK NUMBER	OWS-1
DESIGN FLOW RATE (GPM)	105
MAX. PROCESS FLOW (GPM)	565
INLET PIPE SIZE (IN)	8
OUTLET PIPE SIZE (IN)	8
COALESCING PLATE AREA (SF)	444
DESIGN WEIGHT (LBS)	6460
NOTES	1
MANUFACTURER/ MODEL	OLDCASTLE/ 660-CPS

NOTES:
1. PROVIDE TRAFFIC RATED LIDS H-20

FAN COIL SCHEDULE

MARK NUMBER	FC-1
SYSTEM	EQPT SHED
TYPE	COOLING
MINIMUM AIRFLOW (CFM)	379
MAXIMUM AIRFLOW (CFM)	932
COOLING CAPACITY (BTU/H)	30,600
ELECTRICAL (V-PH)	208-1
DESIGN WEIGHT (LBS)	138
NOTES	1
MANUFACTURER/ MODEL	MITSUBISHI/ MSYGS30NA2

NOTES:
1. INDOOR UNIT IS POWERED BY OUTDOOR UNIT

HEAT PUMP SCHEDULE

MARK NUMBER	HP-1
SYSTEM	EQPT SHED
TYPE	COOLING
LOW AMBIENT CONTROL	YES
CAPACITY (TONS)	2.5
MIN. EFF. (SEER)	19.2
CONDENSER AIR (°F)	95
ELECTRICAL (MCA/MOCP)	22/25
ELECTRICAL (V-PH)	208/230-1
DESIGN WEIGHT (LBS)	121
NOTES	N/A
MANUFACTURER/ MODEL	MITSUBISHI/ MUYGS30NA2

NOTES:

R&W ENGINEERING, INC.

R&W ENGINEERING, INC.
"Engineering Integrated Solutions"
9615 S.W. Allen Blvd. Suite 107
Beaverton, Oregon 97005
Phone (503) 292-6000
Fax (503) 726-3320
E-mail rweng@rweng.com

THIS LINE IS 2 INCHES AT FULL SCALE. IF IT DOES NOT MEASURE 2 INCHES SCALE ACCORDINGLY

REV	DATE	DESCRIPTION	BY
1	[illegible]	ADDENDUM #1	DEM

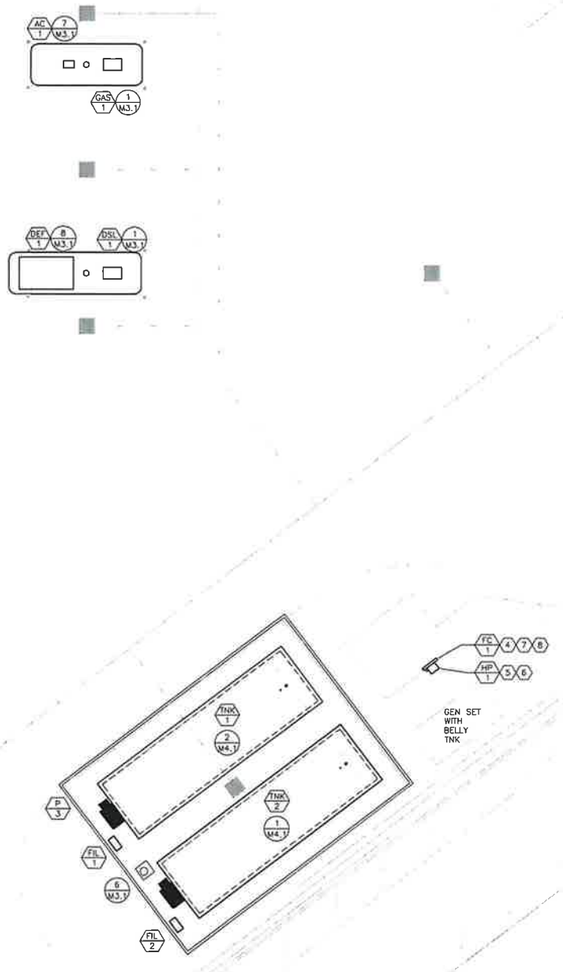
GOLDENDALE FUEL FACILITY
GOLDENDALE, WASHINGTON

MECHANICAL SCHEDULES AND NOTES

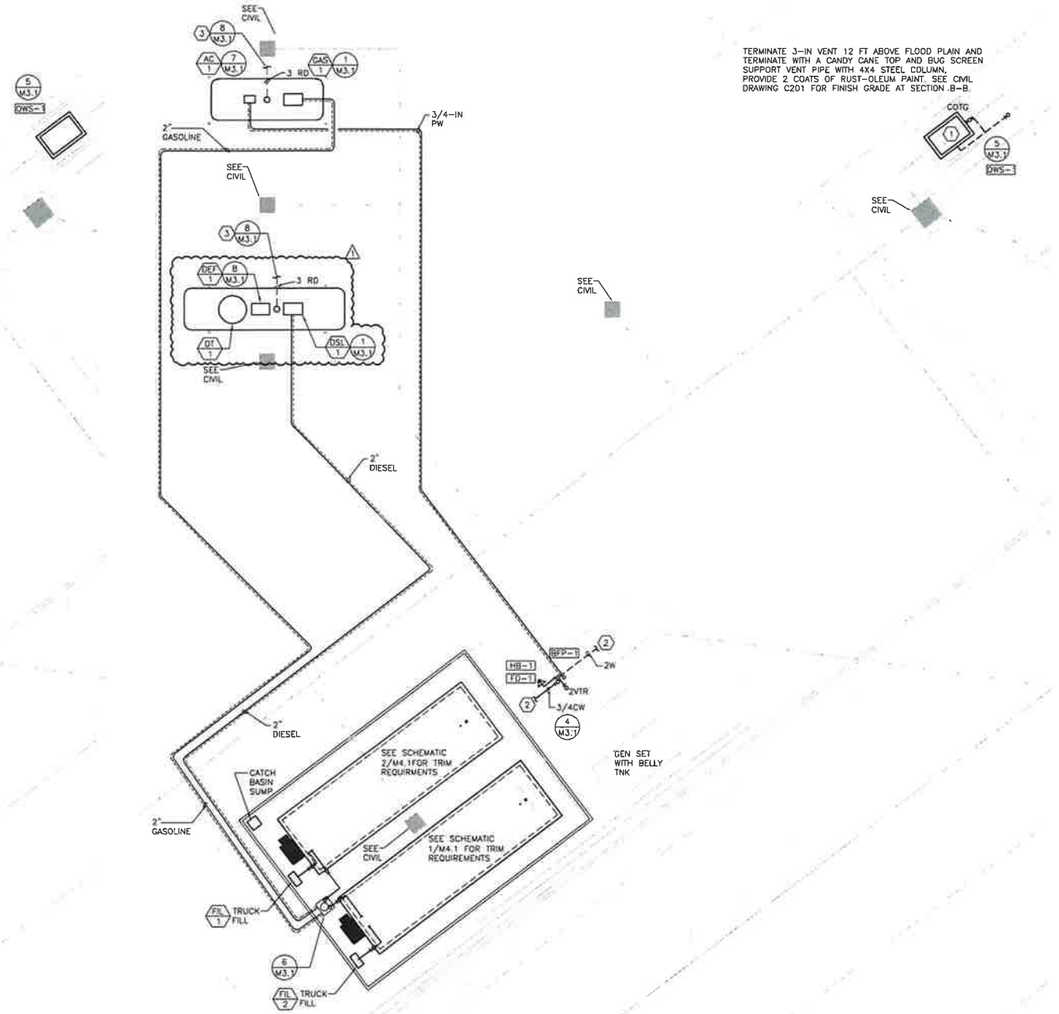
DESIGNED	R. MCDONALD
DRAWN	R&W
CONTACT	R. MCDONALD
PROJECT #	1311.021.001
DATE	[illegible]

DRAWING NO.

M0.2



1 YARD EQUIPMENT - MECHANICAL
M2.1 SCALE: 1/8" = 1'-0"



2 BELOW GRADE PIPING - MECHANICAL
M2.1 SCALE: 1/8" = 1'-0"

NOTES THIS SHEET

1. SEE CIVIL FOR ELEVATION OF OIL WATER SEPARATOR CONNECTIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WASTE AND WATER FOR THE NEW SITE CONNECTIONS WITH THE CIVIL ENGINEER.
3. RAIN DRAINS FROM CANOPY SHALL BE ROUTED TO STORMWATER FACILITY ALONG N FAIRGROUND ROAD. SEE CIVIL DRAWING FOR LOCATION.
4. MOUNT FAN COIL HIGH ON WALL, ABOVE DOOR, NEAR CEILING. MAINTAIN ALL MANUFACTURER'S CLEARANCES AROUND UNIT.
5. MOUNT HEAT PUMP ON MANUFACTURER'S RECOMMENDED CURB. MAINTAIN ALL MANUFACTURER'S CLEARANCES AROUND UNIT.
6. ROUTE REFRIGERANT PIPING FROM FAN COIL TO HEAT PUMP. EACH LINE SHOWN REPRESENTS A PAIR OF PIPE. INSULATE HOT GAS LINE WITH 1" ELASTOMERIC FOAM. PIPING TO BE SIZED PER MANUFACTURER'S RECOMMENDATIONS BASED ON FINAL ROUTING, DISTANCE, AND HEIGHT.
7. ROUTE CONDENSATE DRAIN PIPING THROUGH OUTSIDE WALL AT 36" ABOVE GRADE. SIZE PIPING PER MANUFACTURER'S RECOMMENDATIONS. TERMINATE PIPE WITH 90 DEG ELBOW DOWN AND DISCHARGE ONTO GRADE. DRAIN MUST NOT DISCHARGE ONTO SIDEWALK OR CONCRETE. SEE CONDENSATE TRAP DETAIL 1/M0.1.
8. HEAT TRACE AND INSULATE CONDENSATE DRAIN PIPING EXPOSED TO WEATHER OR UNCONDITIONED SPACES WITH SELF-REGULATING HEATING CABLE. RAYCHEM 5XL1-CR-CT OR APPROVED EQUAL. 120V-1PH, 5W/FT CABLE FURNISHED BY MECHANICAL, INSTALLED BY ELECTRICAL. PIPING INSULATION SHALL BE 1" ELASTOMERIC FOAM.

R&W ENGINEERING, INC.
"Engineering Integrated Solutions"
9815 S.W. Allen Blvd., Suite 120
Beaverton, Oregon 97005
Phone (503) 226-4000
Fax (503) 726-3326
E-mail rwengr@rwengr.com

THIS LINE IS 2 INCHES AT FULL SCALE
IF IT DOES NOT MEASURE 2 INCHES, SCALE ACCORDINGLY

REV	DATE	DESCRIPTION	BY
1	03/19/2026	ADDENDUM #1	GEM

GOLDENDALE FUEL FACILITY
GOLDENDALE, WASHINGTON

MECHANICAL
PARTIAL SITE PLAN

DESIGNED	R. MCDONALD
DRAWN	R&W
CONTACT	R. MCDONALD
PROJECT #	1311.024.001
DATE	05/19/2025

DRAWING NO.
M2.1
SHEET 4 OF 6

GOLDENDALE FUEL STATION

TO: The Board of County Commissioners
Klickitat County, Washington

Gentlemen:

The undersigned hereby certifies that he has examined the location of the GOLDENDALE FUEL STATION project, and has read and thoroughly understands the plans, specifications, and contract governing the work embraced in this improvement, and the method by which payment will be made for said work, and hereby proposes to undertake and complete the work included in the improvement, or as much thereof as can be completed with the money available, in accordance with the said plans, specifications, and contract and the following schedule of rates and prices.

(NOTE: Unit prices for all items, all extensions, and total amount of bid, shall be shown.)

Show unit prices in figures only

ITEM	APPROX.	UNIT	ITEM DESCRIPTION	UNIT PRICE		AMOUNT	
				DOLLARS	CENTS	DOLLARS	CENTS
PREPARATION							
1	1	L.S.	MOBILIZATION	PER L.S.			
2	1.1	ACRE	SITE CLEARING AND GRUBBING	PER ACRE			
3	1	EST.	ARCHAEOLOGICAL AND HISTORICAL SALVAGE	PER EST.		$ 1.00	
4	1	L.S.	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	PER L.S.			
GRADING							
5	800	C.Y.	SITE EXCAVATION INCL. HAUL	PER C.Y.			
6	1,400	C.Y.	EMBANKMENT	PER C.Y.			
DRAINAGE							
7	265	L.F.	12" POLYETHYLENE CULVERT PIPE	PER L.F.			
8	50	L.F.	6" STORM MAIN W/CRUSHED ROCK BACKFILL	PER L.F.			
9	143	L.F.	8" STORM MAIN W/CRUSHED ROCK BACKFILL	PER L.F.			
10	200	L.F.	10" STORM MAIN W/CRUSHED ROCK BACKFILL	PER L.F.			
11	50	L.F.	12" STORM MAIN W/CRUSHED ROCK BACKFILL	PER L.F.			
12	1	EACH	48" MANHOLE TYPE 3	PER EACH			
13	6	EACH	STORMWATER CATCH BASIN	PER EACH			
14	1	EACH	COALESCENING OIL/WATER SEPERATOR VAULT	PER EACH			
15	4	EACH	STORM CLEANOUT	PER EACH			
16	1	EACH	60" FLOW CONTROL MANHOLE	PER EACH			
17	1	EACH	60" FLOW SPLITTER FLAT-TOP MANHOLE	PER EACH			
18	1	L.S.	STORMWATER FACILITY	PER L.S.			
WATER LINES							
19	145	L.F.	1" WATER SERVICE WITH BALL VALVE	PER L.F.			
20	1	EACH	HOSE REEL AND SERVICE	PER EACH			
21	1	EACH	FROST FREE FAUCET	PER EACH			

ITEM	APPROX.	UNIT	ITEM DESCRIPTION	UNIT PRICE	AMOUNT
SURFACING					
22	820	TON	CRUSHED SURFACING TOP COURSE	PER TON	
23	2,620	TON	CRUSHED SURFACING BASE COURSE	PER TON	
24	205	TON	COMMERCIAL ASPHALT	PER TON	
EROSION CONTROL					
25	1.1	ACRE	EROSION CONTROL	PER ACRE	
26	1	L.F.	SEDIMENT FENCE	PER L.F.	
27	1	L.F.	WATTLE	PER L.F.	
TRAFFIC					
28	1	L.S.	PROJECT TEMPORARY TRAFFIC CONTROL	PER L.S.	
SITE WORK					
29	519	L.F.	8' CHAINLINK FENCE W/SECURITY TOP	PER L.F.	
30	4	EACH	ROLLING GATE WITH CONTROLLER	PER EACH	
31	1	EACH	10' x 12' CONTROL SHED	PER EACH	
32	1	L.S.	FUEL ISLAND CANOPY (PRE-ENGINEERED DESIGN-BUILD)	PER L.S.	
33	1	L.S.	FUEL SYSTEM (TANKS, DISPENSERS, CONTROLLERS, PIPING)	PER L.S.	
34	1	L.S.	ELECTRICAL (WIRING, CONTROLLERS, LIGHTING, LOW VOLTAGE)	PER L.S.	
35	1	L.S.	STANDBY GENERATOR/AUTOMATIC TRANSFER SWITCH	PER L.S.	
36	1	L.S.	CONCRETE (ISLAND PAD, FUEL TANK CONTAINMENT PAD)	PER L.S.	
OTHER WORK					
37	300	C.Y.	ROCK EXCAVATION	PER C.Y.	
38	1	C.Y.	OVER-EXCAVATION AND STRUCTURAL FILL	PER C.Y.	
39	1	MGAL	WATER	PER MGAL	
40	1	L.S.	TYPE B PROGRESS SCHEDULE	PER L.S.	
41	1	CALC	MINOR CHANGE	PER CALC	$1.00
42	1	L.S.	SPCC PLAN	PER L.S.	
			TOTAL BASE BID		
			SALES TAX 7.6%		
			TOTAL BID PRICE		