

BRIGHAM CITY, UTAH

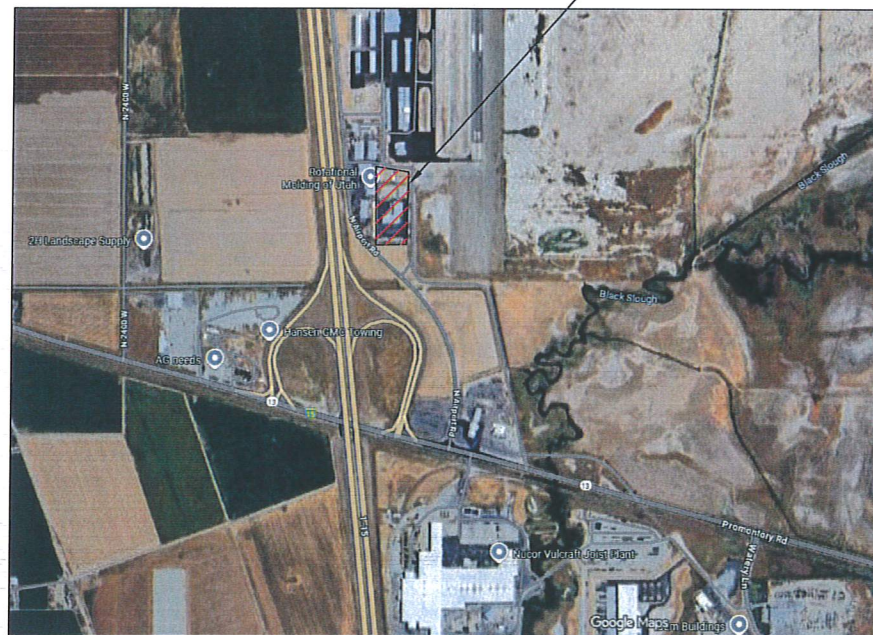
INDEX SHEET



**ALLIANCE CONSULTING
ENGINEERS**
150 E 200 N SUITE P
LOGAN, UTAH 84321
(435)755-5121
allianceengr@qwestoffice.net



PROJECT LOCATION



VICINITY MAP

SHEET INDEX	
SHEET NO.	SHEET DESCRIPTION
1	INDEX SHEET
2	CONSTRUCTION PLAN

OWNER _____
Box Elder School District

CONTRACTOR
DWA Construction
Shane Wilde
435-760-4756

CIVIL ENGINEER
ALLIANCE CONSULTING
ENGINEERS, INC.
150 E 200 N SUITE P
LOGAN, UTAH 84321
435-755-5121

GENERAL NOTES (APPLICABLE TO ALL CIVIL SHEETS):

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, SWPA STANDARDS, STATE OF UTAH AND ANY OTHER APPLICABLE STANDARDS ISSUED BY THE CONTROLLING AGENCY.
2. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS BEFORE CONSTRUCTION. ANY DISCREPANCIES BETWEEN CONSTRUCTION DOCUMENTS AND FIELD CONDITIONS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE OWNER.
3. CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY AREAS AND/OR MATERIALS DAMAGED DURING CONSTRUCTION.
4. CONTRACTOR SHALL MAINTAIN ALL ADJACENT PROPERTY (PUBLIC & PRIVATE) FROM ALL CONSTRUCTION DEBRIS.
5. CONTRACTOR SHALL PROVIDE SMOOTH TRANSITION FROM ALL NEW CONSTRUCTION TO EXISTING CONDITIONS.
6. CONTRACTOR SHALL PROVIDE ALL NECESSARY AUTOMOBILE AND PEDESTRIAN TRAFFIC CONTROL DEVICES REQUIRED BY LOCAL, STATE, AND FEDERAL CODES AND ORDINANCES.
7. CONTRACTOR SHALL REPLACE SURVEY MONUMENTS DAMAGED DURING CONSTRUCTION. SURVEY MONUMENTS TO BE REPLACED BY A REGISTERED, LICENSED LAND SURVEYOR.
8. CONTRACTOR TO LOCATE ALL EXISTING UTILITIES, INCLUDING FIBER OPTIC. ANY DAMAGES TO EXISTING UTILITIES WILL BE REPAIRED AT CONTRACTORS EXPENSE.
9. DIMENSIONS SHOWN ARE TO THE CENTER OF THE PIPELINE UNLESS OTHERWISE NOTED.
10. DISTANCES SHOWN ALONG PIPELINES ARE HORIZONTAL DISTANCES AND NOT ACTUAL PIPE LENGTHS. MORE PIPE MAY BE REQUIRED TO COMPLETE CONSTRUCTION THAN IS DIMENSIONED IN THE PLANS.
11. THRUST BLOCKS SHALL BE PLACED ON WATERLINES AT ALL DIRECTION CHANGES, FITTINGS, BENDS, ELBOWS, FIRE HYDRANTS AND GATES VALVES AS SHOWN IN THE PROJECT PLANS.
12. CONTRACTOR IS REQUIRED TO HAVE A SET OF PLANS ON THE SITE AT ALL TIMES. ANY WORK COMPLETED WITHOUT A SET PRESENT IS DONE SO AT THE CONTRACTORS RISK AND EXPENSE IF ERRORS OCCUR.
13. CONTRACTOR IS RESPONSIBLE FOR PROVIDING WATER NECESSARY FOR DUST ABATEMENT, COMPACTION, ETC.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING SOURCES FOR GRANULAR MATERIALS, WATER, WASTE SITES, AND ANY OTHER MATERIALS SOURCES AS REQUIRED FOR PROJECT COMPLETION.
15. ANY WORK DONE WITHIN A PUBLIC RIGHT-OF-WAY SHALL BE COORDINATED WITH THAT APPROPRIATE TRANSPORTATION AGENCY AND SHALL MEET THE REQUIREMENTS OF THAT AGENCY AND THE REQUIREMENTS OF ANY RIGHT-OF-WAY OR SPECIAL USE PERMITS.
16. THE CONTRACTOR SHALL COORDINATE ALL LIVE TAPS AND ANY OTHER WORK OR MANIPULATION OF THE EXISTING WATER SYSTEM WITH THE CITY.
17. ON SLOPING AREAS THE CONTRACTOR SHALL TAKE PRECAUTIONS TO MITIGATE ANY POSSIBLE EROSION PROBLEMS IN THE TRENCHES DUE TO STORM WATER THAT MIGHT OCCUR DURING OR AFTER CONSTRUCTION AS DIRECTED OR APPROVED BY ENGINEER.
18. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL EROSION CONTROL MEASURES AS DETAILED IN THE PROJECT PLANS UNTIL FINAL ACCEPTANCE OF THIS PROJECT.
19. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONS NECESSARY TO INSURE THAT ALL STORM WATER/SEDIMENT AND/OR CONSTRUCTION DEBRIS ARE RELEASED FROM THE SITE. ANY RELEASES SHALL BE CLEANED AND MITIGATED AT THE CONTRACTOR'S EXPENSE.
20. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACCESS AND RELATED TRAFFIC CONTROL WITH THE COUNTY, CITY, AND STATE ROADWAY DEPARTMENTS. THE ENGINEER SHALL REVIEW ALL TRAFFIC CONTROL PLANS.
22. ALL GATE VALVES SHALL BE LOCATED NEAR TO TEES OR CROSSES AND THEIR ASSOCIATED REDUCERS AS SHOWN ON THE PROJECT PLANS.
23. CONTRACTOR SHALL PROVIDE ALL NECESSARY FITTINGS, HARDWARE, LABOR, ETC. TO CONSTRUCT VERTICAL AND HORIZONTAL BENDS IN PIPE AS NEEDED TO MEET THE REQUIRED GRADES, ALIGNMENTS AND COVER REQUIREMENTS.
24. ALL AIR RELEASE VALVES SHALL BE INSTALLED AT THE CREST OF THE VERTICAL CURVATURE OF THE WATER LINE. CONTRACTOR SHALL RECORD ACTUAL LOCATION OF VALVES ON FIELD RECORD DRAWINGS.

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PROJECT TITLE
*BESD Brigham City Transportation Hub
Parking Lot Expansion*

BRIGHAM CITY, UTAH

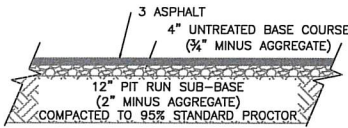
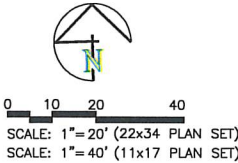
INDEX SHEET

DATE : sept,2025

DRAWING No.

BESD Brigham City Transportation Hub
Parking Lot Expansion

BRIGHAM CITY, UTAH
CONSTRUCTION PLAN



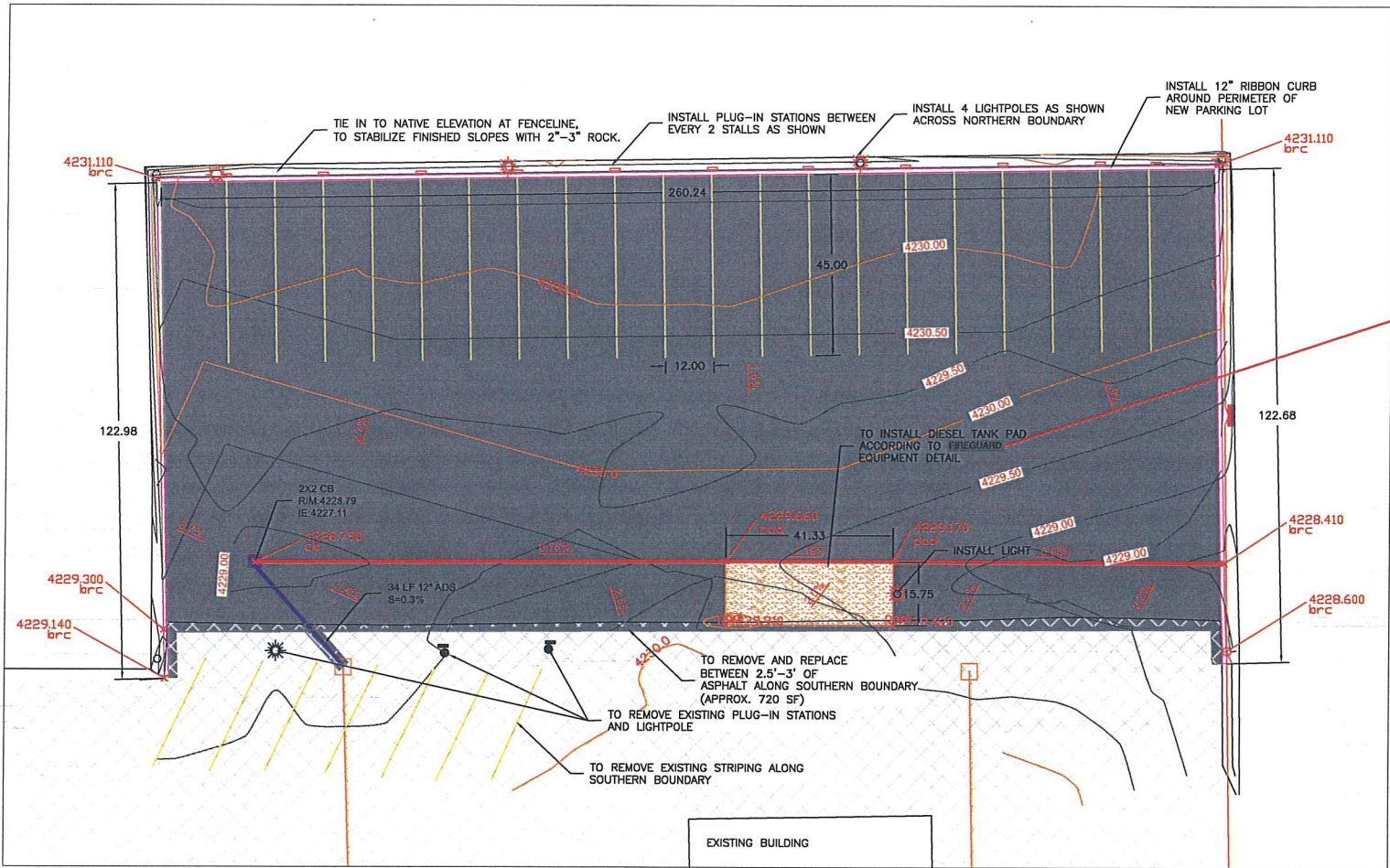
PARKING PAVEMENT SECTION
NOT TO SCALE
TO CORE EXISTING GRADE TO DETERMINE EXISTING
UNTREATED BASE COURSE/PIT RUN DEPTH

LEGEND

- BOUNDARY FENCELINE
- PROPOSED CURBING
- PROPOSED STORM (AS NOTED)
- EXISTING STORM
- PROPOSED CONCRETE PAVING
- EXISTING ASPHALT
- EXISTING CONCRETE
- PROPOSED CONCRETE
- EXISTING MINOR CONTOUR (0.5')
- EXISTING MAJOR CONTOUR (2.5')
- PROPOSED MINOR CONTOUR (0.5')
- PROPOSED MAJOR CONTOUR (2.5')
- PROPOSED LIGHT POLE



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DIESEL TANK SPECIFICATIONS

1. 12,000 Gallon UL2085 Fireguard Tank
2. 1.5 HP Sub Pump
3. Parker Solenoid Valve
4. Quantity of 2 Benet Dispensers - One Product, 2 Hoses
5. Pneumatic Tank Level Indicator With Probe
6. Fuel Master FMU 2500
7. All Labor and Start-Up
8. Crane for Off Loading & Setting Tank

NOTE: These specifications are provided as a basis of design. Any other products or manufacturers must meet or exceed the specifications provided.

STRUCTURAL BASE FOR TANK:

Basis of design for tank slab is 12" thick concrete slab with #5 rebar at 18" on center each way with a top and bottom mat. If an alternate tank manufacturer is used, an alternate design for the tank slab must be provided.

NO.	REVISIONS / SUBMISSIONS	DATE
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PROJECT TITLE	BRIGHAM CITY, UTAH	CONSTRUCTION PLAN
BESD Brigham City Transportation Hub Parking Lot Expansion		



FIREGUARD® double-wall fire-protected aboveground storage tank features an inner and outer steel tank with a unique lightweight thermal insulation material that exceeds the UL 2-hour fire test. Insulating material is 75% lighter than concrete, reducing shipping, installation and relocation costs.



**Unique Thermal Insulating Material is
75% Lighter than Concrete**

FIREGUARD® features:

- Insulates product in tank from ambient temperature variations, reducing emissions to the environment
- Primary and secondary tank can be tightness tested on site with standard testing procedures, unlike other designs
- Steel outer wall provides low cost maintenance and protection from weathering
- Primary storage tank and secondary containment compatible with a wide range of fuels and chemicals, including biodiesel and ethanol
- Support designs available for all seismic requirements
- Interstitial space can be monitored for leak detection
- Meets temperature requirements when the furnace test was extended to 4 hours

FIREGUARD® The only tank that meets all of these standards:

- UL 2085 Listed "Protected" tank
- Ballistics and Impact protection per UL 2085
- Both the inner and outer steel tanks are built to UL standards
- National Fire Protection Association (NFPA) 30 & 30A
- International Fire Code (IFC)
- California Air Resources Board (CARB) Standing Loss Control testing requirements for air emissions
- Steel Tank Institute (STI) Standard F941 for Thermally Insulated Aboveground Storage Tanks

Additional features:

- Capacities range up to 75,000 gallons
- Steel construction allows for recycling
- Low cost compartments and customization
- Built to nationally-recognized STI standards with strict third-party quality control inspection program



**Compatible With a Wide Range of Fuels and
Chemicals, Including Biodiesel and Ethanol**

Available Designs:

- Horizontal
- Vertical
- Rectangular

FIREGUARD® is available from a large network of STI Licensed Manufacturers • www.steeltank.com