

File Info: C:\Users\dsby\OneDrive\Northwest Engineering Team Site - Documents\Active Projects\1000 LRS CSI Restaurants\0 Drilling\20210916 CSI RESTROOM.DWG.dwg  
Sheet: 9/16/2021 9:28 PM  
Plot Date: 9/16/2021 9:28 PM

**GENERAL**

- CONTRACTOR SHALL FOLLOW THE ISPMC FOR ANY WORK DONE WITH IN THE PUBLIC RIGHTS OF WAY.
- CONTRACTOR SHALL FOLLOW ISPMC SPECIFICATIONS.
- CONTRACTOR SHALL NOTIFY "DIG LINE" AT LEAST 72 HOURS BEFORE EXCAVATING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY; CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.
- ACCESSIBLE ROUTES, PARKING SPACES, RAMPS, SIDEWALKS AND WALKWAYS SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE FEDERAL AMERICANS WITH DISABILITIES ACT AND WITH STATE AND LOCAL LAWS AND REGULATIONS.
- AREAS DISTURBED DURING CONSTRUCTION AND NOT RESTORED WITH IMPERVIOUS SURFACES SHALL BE STABILIZED WITH PLANTINGS OF OTHERWISE RECEIVE 6 INCHES ON MULCH OR LOAM AND SEED AS DIRECTED BY THE ARCHITECT OR OWNER
- WITHIN THE LIMITS OF THE BUILDING FOOTPRINT, THE SITE CONTRACTOR SHALL PERFORM EARTHWORK OPERATIONS REQUIRED UP TO SUBGRADE ELEVATIONS.
- WORK WITHIN THE RIGHT OF WAY SHALL CONFORM TO THE LATEST EDITION OF THE IDAHO TRANSPORTATION DEPARTMENT (ITD) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- UPON AWARD OF CONTRACT, CONTRACTOR SHALL MAKE NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK INDICATED ON THE DRAWINGS, IN THE SPECIFICATIONS, AND IN THE CONTRACT DOCUMENTS. DO NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, AND FIRE HYDRANTS, WITHOUT APPROPRIATE PERMITS.
- TRAFFIC SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- AREA OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
- IN THE EVENT THAT SUSPECTED CONTAMINATED SOIL, GROUNDWATER, AND OTHER MEDIA ARE ENCOUNTERED DURING EXCAVATION AND CONSTRUCTION ACTIVITIES BASED ON VISUAL, OLFACTORY, OR OTHER EVIDENCE, THE CONTRACTOR SHALL STOP WORK IN THE VICINITY OF THE SUSPECT MATERIAL TO AVOID FURTHER SPREADING OF THE MATERIAL AND SHALL NOTIFY THE OWNER IMMEDIATELY SO THAT THE APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN.
- CONTRACTOR SHALL PREVENT DUST, SEDIMENT, AND DEBRIS FROM EXITING THE SITE AND SHALL BE RESPONSIBLE FOR CLEANUP, REPAIRS AND CORRECTIVE ACTION IF SUCH OCCURS.
- DAMAGE RESULTING FROM CONSTRUCTION LOADS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
- CONTRACTOR SHALL CONTROL STORM WATER RUNOFF DURING CONSTRUCTION TO PREVENT ADVERSE IMPACTS TO OFFSITE AREA, AND SHALL BE RESPONSIBLE TO REPAIR RESULTING DAMAGES, IF ANY, AT NO COST TO OWNER.
- THE CONTRACTOR SHALL EVALUATE ANY DEWATERING REQUIRED BY THE WORK TO DETERMINE IF COVERAGE UNDER THE ENVIRONMENTAL PROTECTION AGENCY (EPA) DEWATERING GENERAL PERMIT (DGP) IS REQUIRED FOR DEWATERING DISCHARGES. IF COVERAGE IS REQUIRED UNDER THE DGP, PRIOR TO THE START OF CONSTRUCTION, CONTRACTOR SHALL FILE A DGP NOTICE OF INTENT WITH THE EPA FOR CONSTRUCTION DEWATERING ACTIVITIES AND COMPLY WITH ALL PERMIT REQUIREMENTS THEREIN. CONTRACTOR SHALL CONFIRM THE OWNER HAS ALSO FILED A NOTICE OF INTENT.

**UTILITIES**

- THE LOCATIONS, SIZES, AND TYPES OF EXISTING UTILITIES ARE SHOWN AS APPROXIMATE REPRESENTATION ONLY. THE OWNER OR ITS REPRESENTATIVES HAVE NOT INDEPENDENTLY VERIFIED THIS INFORMATION AS SHOWN ON THE PLANS. THE UTILITY INFORMATION SHOWN DOES NOT GUARANTEE THE ACTUAL EXISTENCE, SERVICEABILITY, OR OTHER DATA CONCERNING THE UTILITIES, NOR DOES IT GUARANTEE AGAINST THE POSSIBILITY THAT ADDITIONAL UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN ON THE PLANS. PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY AND DETERMINE THE EXACT LOCATIONS, SIZES, AND ELEVATIONS OF THE POINTS OF CONNECTIONS TO EXISTING UTILITIES AND, SHALL CONFIRM THAT THERE ARE NO INTERFERENCES WITH EXISTING UTILITIES AND THE PROPOSED UTILITY ROUTES, INCLUDING ROUTES WITHIN THE PUBLIC RIGHTS OF WAY.
- WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, OR EXISTING CONDITIONS DIFFER FROM THOSE SHOWN SUCH THAT THE WORK CANNOT BE COMPLETED AS INTENDED, THE LOCATION, ELEVATION, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED IN WRITING TO THE OWNERS REPRESENTATIVE FOR THE RESOLUTION OF THE CONFLICT AND CONTRACTORS FAILURE TO THE NOTIFY PRIOR TO PERFORMING ADDITIONAL WORK RELEASES OWNER FROM OBLIGATION FOR ADDITIONAL PAYMENTS WHICH OTHERWISE MAY BE WARRANTED TO RESOLVE THE CONFLICT.
- SET INVERTS OF SEWERS, DRAINS, AND DITCHES IN ACCORDANCE WITH ELEVATIONS ON THE GRADING AND UTILITY PLANS. IF NOT SHOWN ON PLAN FIELD LOCATE AND SLOPE ACCORDING TO THE OWNER/ARCHITECT, PLUMBING CODE AND THE LOCAL AUTHORIZING AUTHORITY.
- RIM ELEVATIONS FOR MANHOLES AND SEWER CLEANOUTS, WATER VALVE COVERS, ELECTRIC AND TELEPHONE PULL BOXES AND OTHER SUCH ITEMS, ARE APPROXIMATE AND SHALL BE SET/RESET AS FOLLOWS:
  - PAVEMENTS AND CONCRETE SURFACES: FLUSH
  - ALL SURFACES ALONG ACCESSIBLE ROUTES: FLUSH
  - LANDSCAPE, LOAD AND SEED, AND OTHER EARTH SURFACE AREAS: ONE INCH ABOVE SURROUNDING AREA AND TAPER EARTH TO THE RIM ELEVATION
- THE LOCATION, SIZE, DEPTH, AND SPECIFICATIONS FOR CONSTRUCTION OF PROPOSED PRIVATE UTILITY SERVICES SHALL BE INSTALLED ACCORDING TO THE REQUIREMENTS PROVIDED BY, AND APPROVED BY, THE RESPECTIVE UTILITY COMPANY (GAS, TELEPHONE, ELECTRIC, FIRE ALARM, ETC). FINAL DESIGN LOADS AND LOCATIONS TO BE COORDINATED WITH OWNER AND ARCHITECT.
- CONTRACTOR SHALL MAKE ARRANGEMENTS FOR AND SHALL BE RESPONSIBLE FOR PAYING FEES FOR POLE RELOCATION AND FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE, FIRE ALARM, AND ANY OTHER PRIVATE UTILITIES, WHETHER WORK IS PERFORMED BY CONTRACTOR OR BY THE UTILITIES COMPANY.
- UTILITY PIPE MATERIALS SHALL BE ACCORDING TO THE LOCAL AUTHORIZING AUTHORITY, PLUMBING CODE AND THE OWNER. AS FOLLOWS, UNLESS OTHERWISE NOTED ON THE PLAN:
  - STORM SEWER SHALL BE POLYVINYL CHLORIDE (PVC) SDR-26
- CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR AND SHALL FURNISH EXCAVATION, INSTALLATION, AND BACKFILL OF ELECTRICAL FURNISHED SITEWORK RELATED ITEMS SUCH AS PULL BOXES, CONDUITS, DUCT BANKS, LIGHT POLE BASES, AND CONCRETE PADS, SITE CONTRACTOR SHALL FURNISH CONCRETE ENCASEMENT OF DUCT BANKS IF REQUIRED BY THE UTILITY COMPANY AND AS INDICATED ON THE DRAWINGS.

**LAYOUT AND MATERIALS**

- DIMENSIONS ARE FROM THE FACE OF CURB, FACE OF BUILDING, FACE OF WALL, AND CENTER LINE OF PAVEMENT MARKING, UNLESS OTHERWISE NOTED.
- SEE ARCHITECTURAL DRAWINGS FOR EXACT BUILDING DIMENSIONS AND DETAILS CONTIGUOUS TO THE BUILDING, INCLUDING SIDEWALKS, RAMPS, BUILDING ENTRANCES, STAIRWAYS, UTILITY PENETRATIONS, CONCRETE DOOR PADS, COMPACTOR PAD, LOADING DOCKS, ETC.
- PROPOSED BOUNDS AND ANY EXISTING PROPERTY LINE MONUMENTATION DISTURBED DURING CONSTRUCTION SHALL BE SET OR RESET BY A LICENSED LAND SURVEYOR.
- SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS AND ARE NOT NECESSARILY SCALED TO THEIR ACTUAL DIMENSIONS OR LOCATIONS ON THE DRAWINGS. THE CONTRACTOR SHALL REFER TO THE DETAIL SHEET DIMENSIONS, MANUFACTURERS LITERATURE, SHOP DRAWINGS AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT FEATURES.

**CONSTRUCTION SEQUENCE**

- SURVEY AND STAKE LIMITS OF DISTURBANCE.
- INSTALL EROSION CONTROL CARRIERS, CONSTRUCTION EXITS, PRIOR TO START OF CONSTRUCTION, TO BE MAINTAINED UNTIL COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER.
- CLEAR ALL AREAS TO BE DISTURBED BY CONSTRUCTION AND PERFORM DEMOLITION OPERATIONS.
- REPAIR, CLEAN, AND REPLACE AND SEDIMENT CONTROLS DAMAGED DURING AND/OR AFTER RAINFALL EVENTS.
- STRIP LOAM AND PAVEMENT, OR RECLAIM PAVEMENT WITHIN LIMITS OF WORK AND STOCKPILE EXCESS MATERIAL.
- CONSTRUCT TEMPORARY SEDIMENTATION BASINS AS REQUIRED.
- PERFORM PRELIMINARY SITE GRADING AND CONSTRUCT TEMPORARY DIVERSION SWALES AS REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THAT THE PRELIMINARY GRADING ALLOWS SURFACE WATER RUN-OFF FROM UNSTABILIZED AREA TO FLOW TOWARDS THE TEMPORARY SEDIMENTATION BASINS.
- PREPARE BUILDING PAD TO ENABLE BUILDING CONSTRUCTION TO BEGIN.
- INSTALL SEWER SERVICE, WATER SERVICE, AND OTHER UTILITIES IN ACCORDANCE WITH THE PLANS AND DETAILS.
- PERFORM FINAL/FINE GRADING INCLUDING SLOPE STABILIZATION BLANKETS WHERE REQUIRED.
- PERFORM ALL REMAINING SITE CONSTRUCTION.
- LOAM AND SEED OR PLANT ALL REMAINING DISTURBED AREA.
- REMOVE TEMPORARY EROSION CONTROL MEASURES, SILT FENCE, UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF STABILIZED PERMANENT GROUND COVER.
- CLEAN ALL DRAINAGE WAYS AND PIPES WITHIN THE PROJECT LIMITS OF ALL SILT AND DEBRIS.

**INSPECTIONS**

ALL WORK DONE INCLUDING TRENCHING, BACKFILL, COMPACTION, WATER CONNECTION, SEWER CONNECTION, WATER METER INSTALLATION, STORM SEWER CONNECTION, ETC. WILL BE INSPECTED BY A REPRESENTATIVE FROM ENGINEER OF RECORD.

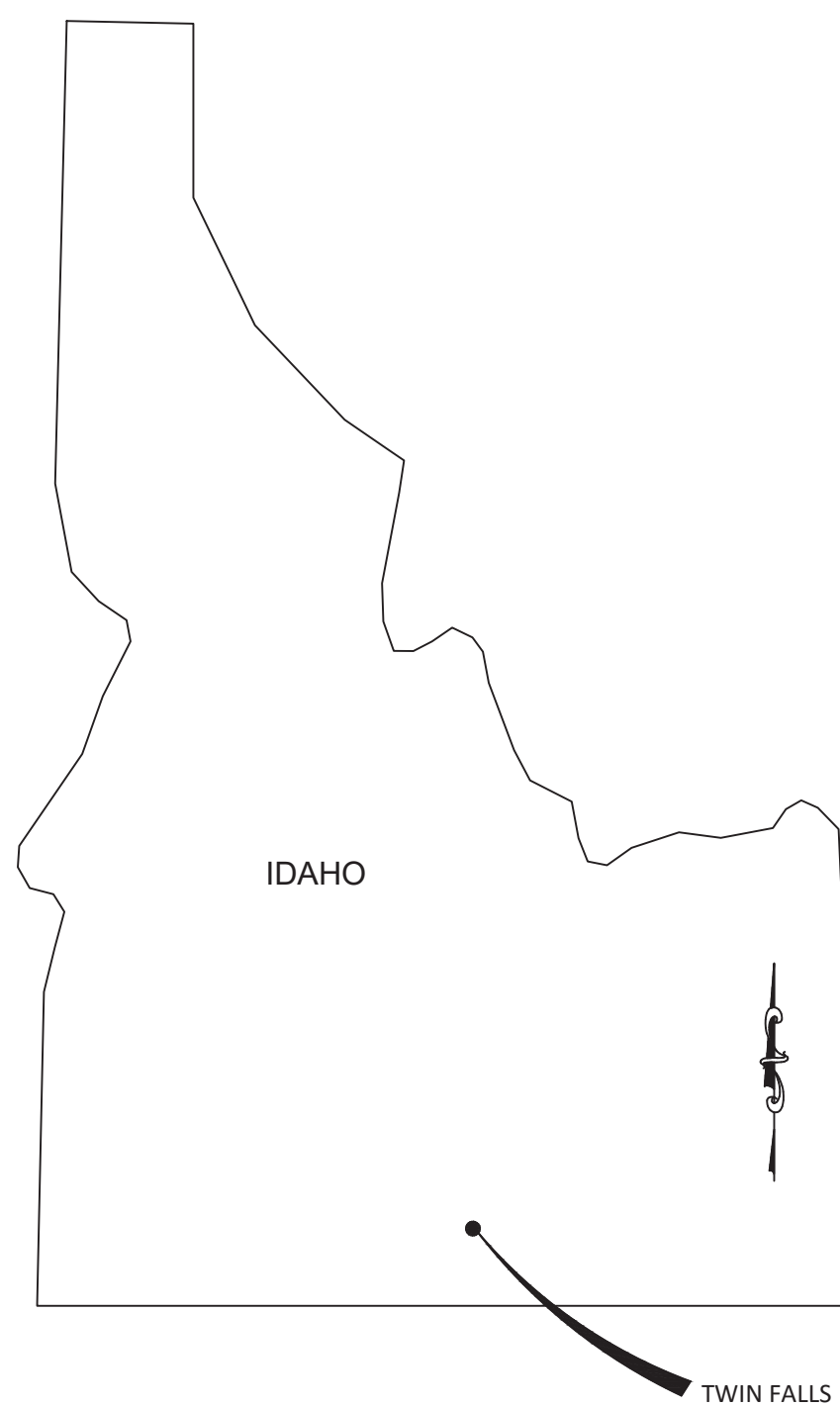
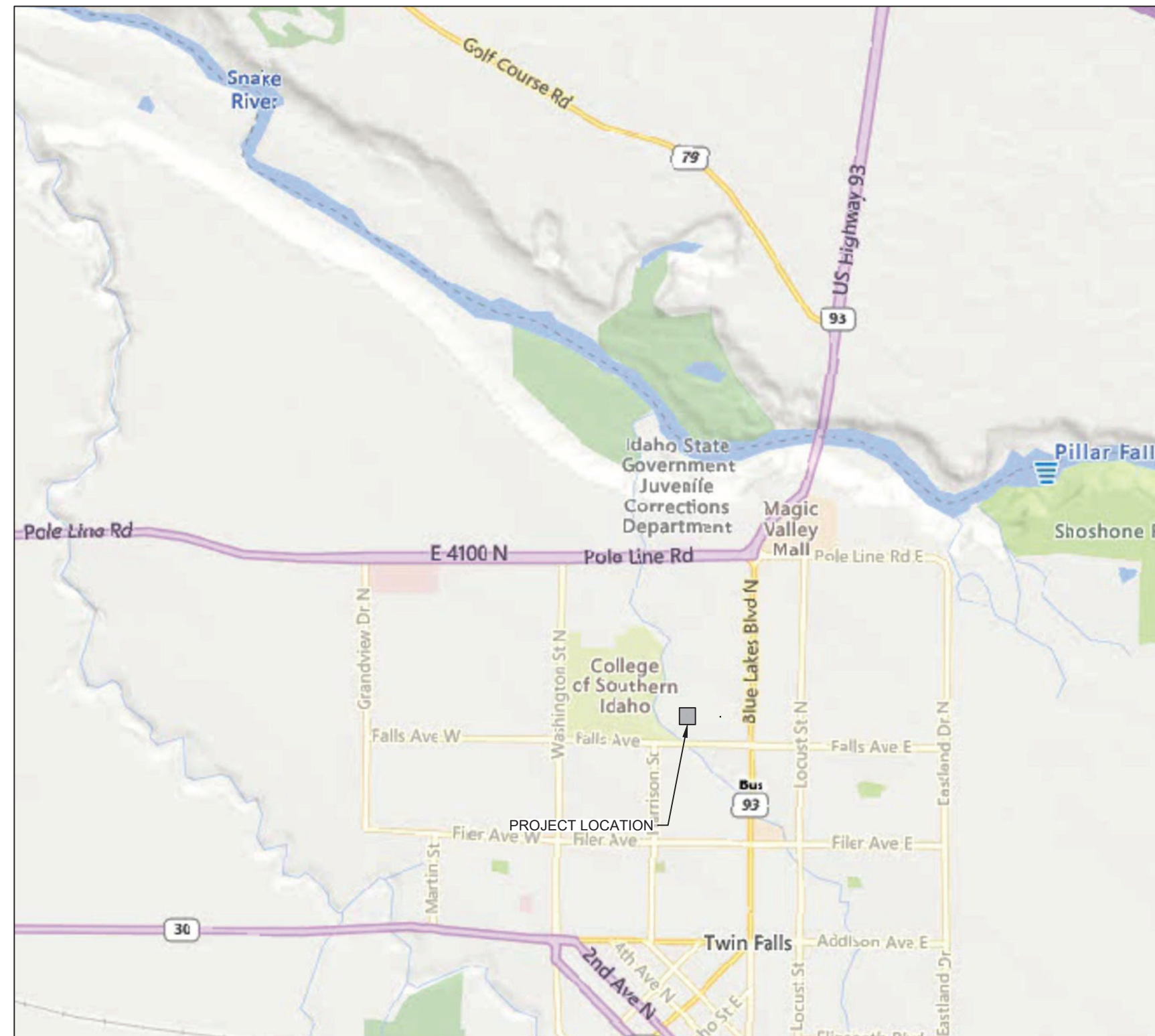
# CSI FRONTIER RESTROOM

## CIVIL DRAWINGS

### 1002 FRONTIER RD TWIN FALLS, ID 83301

2021-09-16

VICINITY MAP



**CIVIL ABBREVIATIONS**

AND APPROXIMATE AT	& APPROX @	MINIMUM NOT TO SCALE NORTH/NORTHING	MIN. NTS
BENCH MARK CLEAR	BM CLR.	NUMBER OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION	N NO. OR #
COMMUNICATION	COM	ON CENTER	O.S.H.A.
CONCRETE CONTROL POINT	CONC. CP.	POLYVINYL CHLORIDE	O.C. PVC
DEGREE	DEG OR °	PROPERTY LINE	PL
DEMOLITION DIAMETER	DEMO DIA OR Ø	RIGHT SIDEWALK	RT SW
DUCTILE IRON	D.I.	SOUTH	S
EAST/EASTING	E	SQUARE FEET	S.F.
DEMOLITION	DEMO	SQUARE YARD	SY
EAST/EASTING	E	STAINLESS STEEL	S.S.A
ELEVATION	EL OR ELEV	STANDARD	STD
EXCAVATION	EXC	STANDARD SPECIFICATION	SPEC
EXISTING	EXIST	STATION	STA
FEET/FOOT	FT	TOP BACK OF CURB	TBC
FLOW LINE	FL	TYPICAL	TYP
INVERT ELEVATION	I.E OR IN	WEST	W
IRRIGATION	IRR	WITH	WI
LINEAR FEET	L.F.		
MANHOLE	MH		
MAXIMUM	MAX.		

**SHEET INDEX**

C-001	COVER SHEET
C-101	EXISTING CONDITIONS
C-102	SITE PLAN
C-601	CIVIL DETAILS

**LEGEND**

	BUILDING
	ASPHALT
	CONCRETE
	CURB & GUTTER - CATCH
	ELECTRICAL BOX
	FENCE - WOOD
	GAS
	GAS METER
	MANHOLE
	OVERHEAD ELECTRIC
	POWER POLE
	PROPERTY LINE
	PROPERTY MARKER
	STORM WATER
	IN CURB STORM WATER CATCH BASIN
	IN ASPHALT STORM WATER CATCH BASIN
	IN GRASS STORM WATER CATCH BASIN
	SEWER
	SEWER CONNECTION
	UNDERGROUND ELECTRIC
	WATER VALVE
	WATER LINE
	WATER METER
	FIRE HYDRANT
	CONTOUR LINE
	RXX' RADIUS OF CURB
	PHONE LINE
	FIBER OPTIC LINE

CLIENT  
LAUGHLIN RICKS ARCHITECTURE  
935 SHOSHONE STREET N TWIN FALLS, ID 83301



NOESIS ENGINEERING  
1712 CABELLARD DR.  
AMMON, IDAHO 83406  
(208) 932-2720 (PHONE)

ATC	9/16/2021
DRAWN BY	DATE
DS	9/16/2021
REVIEWED BY	DATE
DKB	9/16/2021
TECHNICAL APPROVAL	DATE

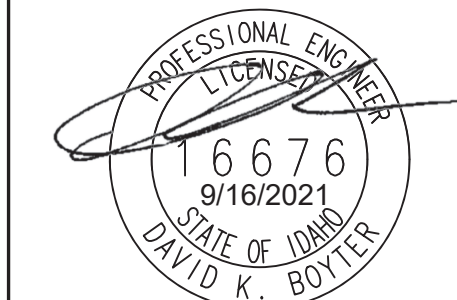
ALWAYS THINK SAFETY

CSI FRONTIER RESTROOM

1002 FRONTIER RD TWIN FALLS, ID 83301

21060

THIS DOCUMENT WAS ELECTRONICALLY SIGNED. THE DIGITAL CERTIFICATE IS IDENTIFIED ON THE 1ST PAGE OF THE ORIGINAL FILE. THE ORIGINAL DOCUMENT IS LOCATED AT NOESIS ENGINEERING SERVICES, PC HOME OFFICE SERVER UNDER THE JOB NUMBER FOLDER\7.0 ORIGINAL DOCUMENTS.



David K. Boyter, PE  
Digitally signed by David K. Boyter, PE  
Date: 2021.09.16 21:34:09 -06'00'

COVER SHEET

C-001

SHEET 1 OF 4



**EXISTING SITE PLAN**  
SCALE: 1"=10'

**LEGEND**

	BUILDING
	ASPHALT
	CONCRETE
	CURB & GUTTER - CATCH
	ELECTRICAL BOX
	FENCE - WOOD
	GAS
	GAS METER
	MANHOLE
	OVERHEAD ELECTRIC
	POWER POLE
	PROPERTY LINE
	PROPERTY MARKER
	STORM WATER
	IN CURB STORM WATER CATCH BASIN
	IN ASPHALT STORM WATER CATCH BASIN
	IN GRASS STORM WATER CATCH BASIN
	SEWER
	SEWER CONNECTION
	UNDERGROUND ELECTRIC
	WATER VALVE
	WATER LINE
	WATER METER
	FIRE HYDRANT
	CONTOUR LINE
	RADIUS OF CURB
	PHONE LINE
	FIBER OPTIC LINE

File: I:\C:\Users\jboy\Noesis\Northwest\Engineering\Team\_Site - Documents\Active Projects\1080 LRS CSI Restrooms\0 Drilling\20210916 CSI RESTROOM.DWG.dwg  
 Sheet: 9/16/2021 9:28 PM  
 Plot Date: 9/16/2021 9:28 PM

CLIENT  
LAUGHLIN RICKS ARCHITECTURE  
935 SHOSHONE STREET N TWIN FALLS, ID 83301



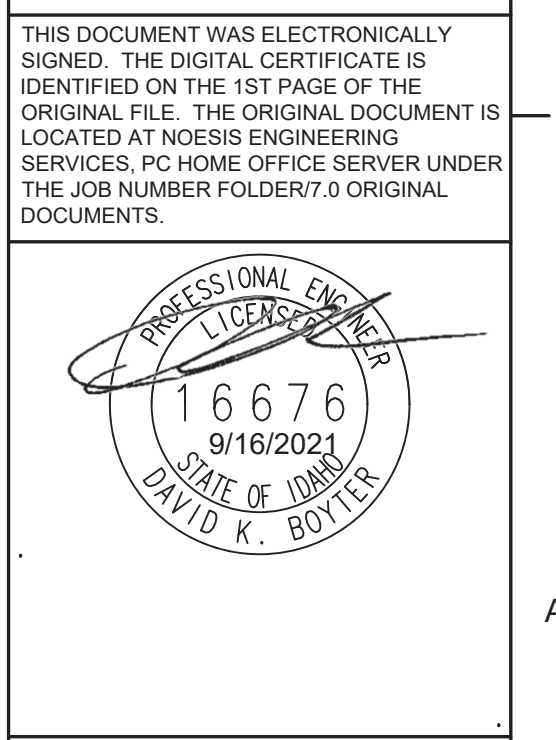
NOESIS ENGINEERING  
1712 CABELLARO DR.  
AMMON, IDAHO 83406  
(208) 932-2720 (PHONE)

ATC	9/16/2021
DRAWN BY	DATE
DS	9/16/2021
REVIEWED BY	DATE
DKB	9/16/2021
TECHNICAL APPROVAL	DATE

ALWAYS THINK SAFETY

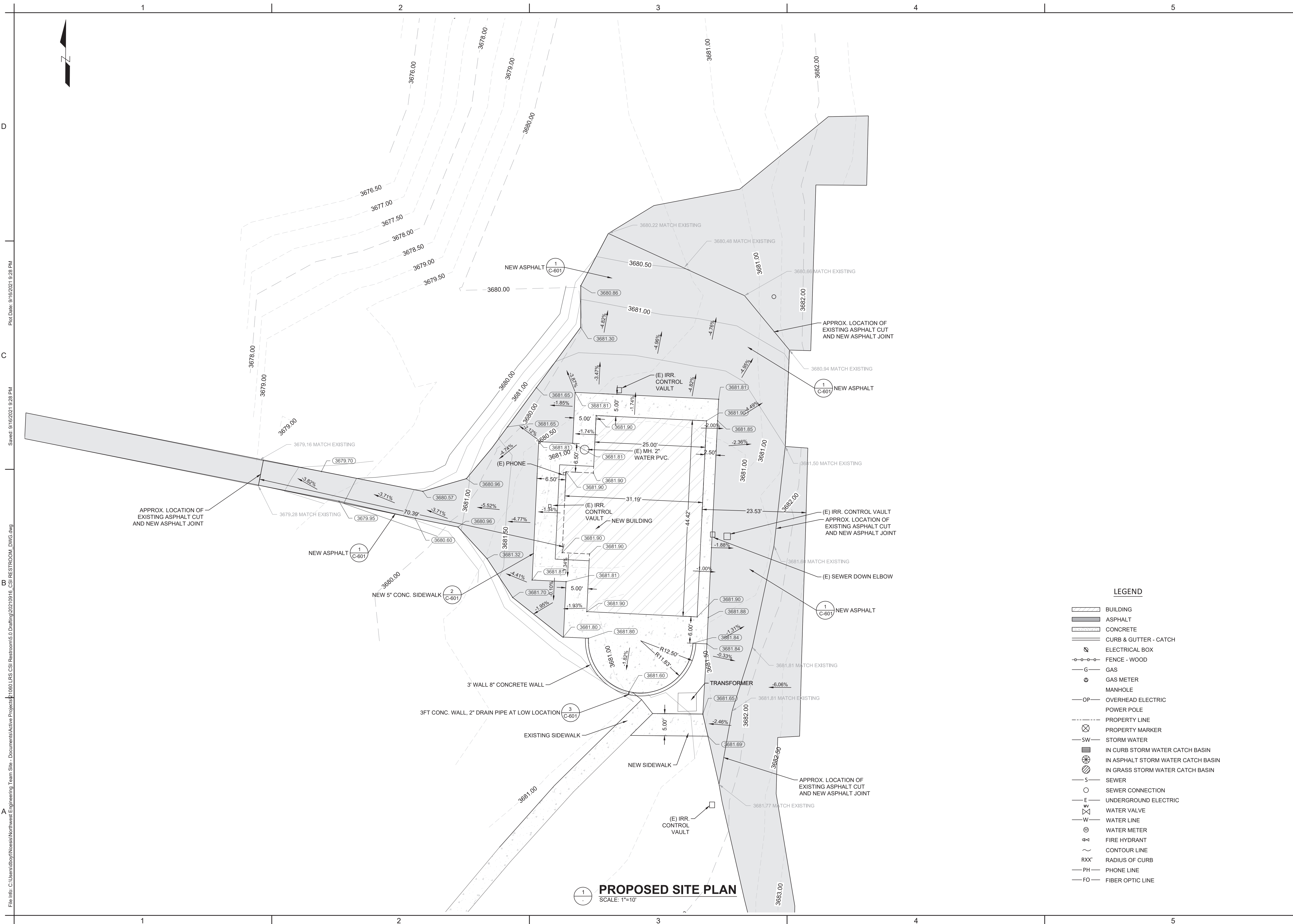
**CSI FRONTIER RESTROOM**  
 1002 FRONTIER RD TWIN FALLS, ID 83301  
 21060

THIS DOCUMENT WAS ELECTRONICALLY SIGNED. THE DIGITAL CERTIFICATE IS IDENTIFIED ON THE 1ST PAGE OF THE ORIGINAL FILE. THE ORIGINAL DOCUMENT IS LOCATED AT NOESIS ENGINEERING SERVICES, PC HOME OFFICE SERVER UNDER THE JOB NUMBER FOLDER\7.0 ORIGINAL DOCUMENTS.



**EXISTING SITE PLAN**

C-101  
SHEET 2 OF 4



**LEGEND**

	BUILDING
	ASPHALT
	CONCRETE
	CURB & GUTTER - CATCH
	ELECTRICAL BOX
	FENCE - WOOD
	GAS
	GAS METER
	MANHOLE
	OVERHEAD ELECTRIC
	POWER POLE
	PROPERTY LINE
	PROPERTY MARKER
	STORM WATER
	IN CURB STORM WATER CATCH BASIN
	IN ASPHALT STORM WATER CATCH BASIN
	IN GRASS STORM WATER CATCH BASIN
	SEWER
	SEWER CONNECTION
	UNDERGROUND ELECTRIC
	WATER VALVE
	WATER LINE
	WATER METER
	FIRE HYDRANT
	CONTOUR LINE
	RXX' RADIUS OF CURB
	PHONE LINE
	FIBER OPTIC LINE

**PROPOSED SITE PLAN**  
SCALE: 1"=10'

1 2 3 4 5

D

C

B

A

1080 LRS CSI Restrooms 0 Drilling 20210916 CSI RESTROOM.DWG.dwg

Sheet: 9/16/2021 9:28 PM

Plot Date: 9/16/2021 9:28 PM

File Info: C:\Users\dboy\OneDrive\Work\Engineering Team Site - Documents\Active Projects\1080 LRS CSI Restrooms 0 Drilling 20210916 CSI RESTROOM.DWG.dwg

1

2

3

4

5

CLIENT  
LAUGHLIN RICKS ARCHITECTURE  
935 SHOSHONE STREET N TWIN FALLS, ID 83301



NOESIS ENGINEERING  
1712 CABELLARO DR.  
AMMON, IDAHO 83406  
(208) 932-2720 (PHONE)

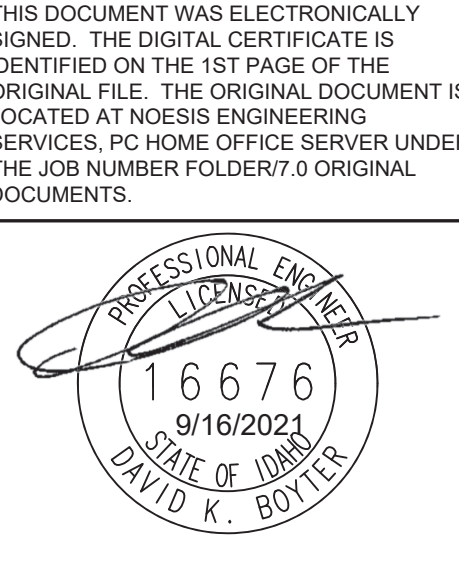
ATC	9/16/2021
DRAWN BY	DATE
DS	9/16/2021
REVIEWED BY	DATE
DKB	9/16/2021
TECHNICAL APPROVAL	DATE

ALWAYS THINK SAFETY

**CSI FRONTIER RESTROOM**

1002 FRONTIER RD TWIN FALLS, ID 83301  
21060

THIS DOCUMENT WAS ELECTRONICALLY SIGNED. THE DIGITAL CERTIFICATE IS IDENTIFIED ON THE 1ST PAGE OF THE ORIGINAL FILE. THE ORIGINAL DOCUMENT IS LOCATED AT NOESIS ENGINEERING SERVICES, PC HOME OFFICE SERVER UNDER THE JOB NUMBER FOLDER\7.0 ORIGINAL DOCUMENTS.



**PROPOSED SITE PLAN**

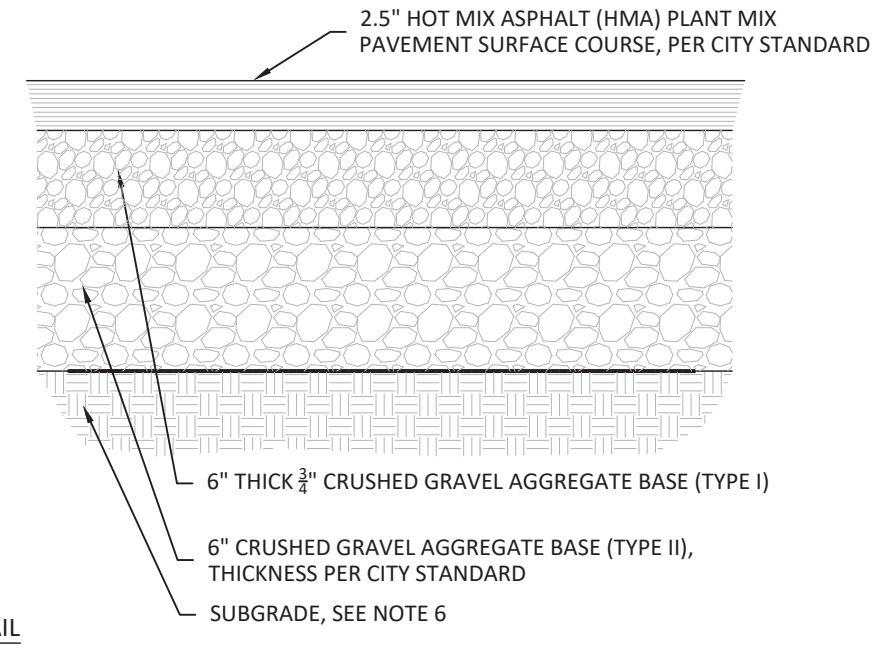
C-102  
SHEET 3 OF 4

ASPHALT DETAIL NOTES:

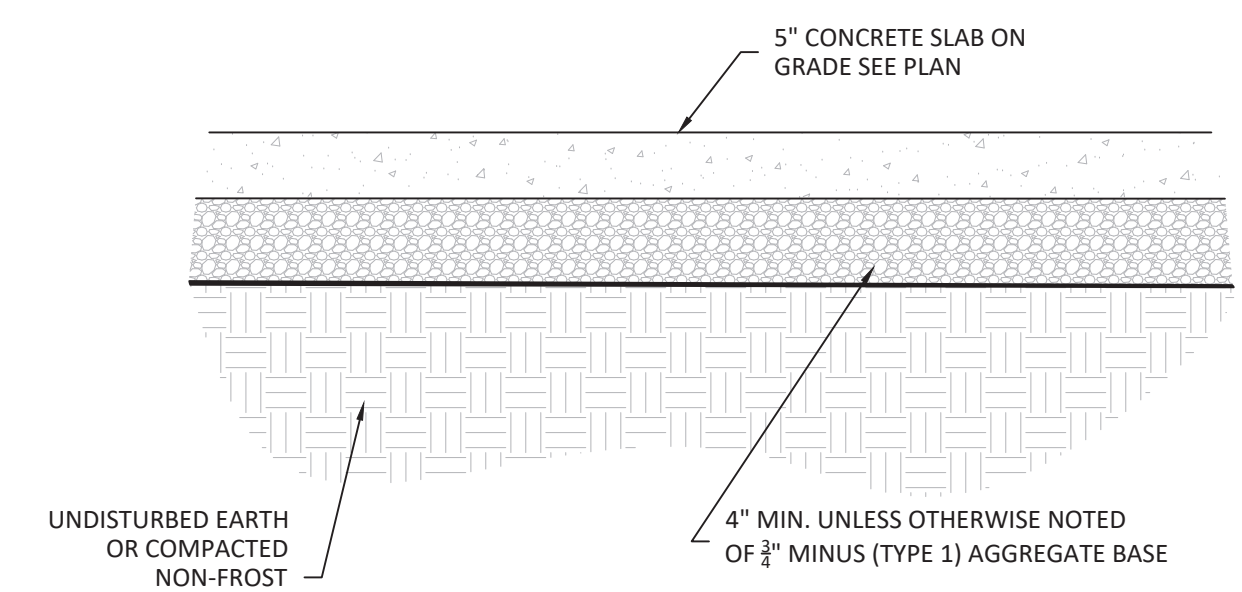
1. COMPARE WITH LOCAL BUILDING DEPARTMENT REQUIREMENTS.
2. NATURAL GROUND SURFACE SHALL BE CLEARED OF ALL VEGETATION AND OTHER OBJECTIONABLE MATERIALS.
3. EXISTING ASPHALT PAVEMENT SHALL BE REMOVED TO A CLEAN, STRAIGHT LINES WITH VERTICAL FACES (SAW CUT AS NEEDED).
4. SUBMITTALS:
  - 4.1. TEST RESULTS - GRADATION, SAND EQUIVALENT, PERCENT WEAR, LIQUID LIMIT, PLASTICITY INDEX, FRACTURED FACES.
- 4.2. MATERIALS FROM AN APPROVED LOCAL STATE'S TRANSPORTATION DEPARTMENT MATERIALS SOURCE WILL NOT REQUIRE PROJECT SPECIFIC SUBMITTAL FOR SOURCE QUALITY.
5. STOCKPILE, LOAD, HAUL AND PLACE MATERIAL IN A MANNER WHICH MIN SEGREGATION AND DEGRADATION.
6. SUBGRADE WILL BE NATURAL EARTHEN SURFACE, IF BACKFILL IS REQUIRED PLACE GRANULAR BORROW MATERIAL (1" TO 6") WITH TOP 12" COMPACTED TO A MIN 95% DENSITY MODIFIED PROCTOR DENSITY.
7. BASE AND SUBBASE LAYERS SHALL BE APPLIED IN LAYERS LESS THAN 6". EACH LAYER SHALL BE SPREAD AND COMPACTED IN A SIMILAR MANNER. COMPACTION TO 95% MODIFIED PROCTOR
8. CRUSHED AGGREGATE BASE GRADATION:
 

SEIVE SIZE	2 IN (TYPE II)	3/4 IN (TYPE I)
2 1/2"	100%	
2"	90-100%	
1 1/2"		100%
1"	55-83%	90-100%
3/4"		
NO. 4	30-60%	40-65%
NO. 8		30-50%
NO. 30	10-25%	
NO. 200	0-8%	3-9%
9. ASPHALT CEMENT SHALL BE PG 64-28 OR BETTER GRADE UNLESS OTHERWISE APPROVED BY LOCAL GOVERNMENT ENGINEER AND DESIGN ENGINEER. BINDER SHALL MEET AASHTO M 320 STANDARD SPECIFICATIONS.
10. LIQUID ASPHALTS SHALL MEET THE FOLLOWING:
  - 10.1. RAPID CURING ASPHALTS AASHTO M 81
  - 10.2. MEDIUM CURING ASPHALTS AASHTO M 82
  - 10.3. SLOW CURING ASPHALTS ASTM D 2026
11. EMULSIFIED ASPHALTS:
  - 11.1. ANIONIC EMULSIFIED ASPHALT MEET AASHTO M 140
  - 11.2. CATIONIC EMULSIFIED ASPHALT MEET AASHTO M 208, EXCEPT SAYBOLT VISCOSITY OF CRS-2 TO BE IN RANGE OF 150 MIN TO 400 MAX
  - 11.3. ENSURE RAPID SETTING EMULSION GRADES ARE HOMOGENOUS AFTER THOROUGH MIXING WITHIN 15 DAYS OF DELIVERY
  - 11.4. CRS-2L EMULSIFIED ASPHALT MEET AASHTO M 316 FOR POLYMER MODIFIED CATIONIC EMULSIFIED ASPHALT
  - 11.5. CRS-2R EMULSIFIED ASPHALT INCLUDES ASPHALT CEMENT WITH AT LEAST 1.5% TOTAL RUBBER SOLIDS WITH THE FOLLOWING REQUIREMENTS
 

PROPERTY	MIN	MAX	AASHTO TEST #
VISCOSITY, SAYBOLT FUROL @122F	150s	400s	T-59
STORAGE STABILITY, 24HR	---	1.0%	T-59
DEMULSIBILITY 35ML, 8% D.S.S.	40%	---	T-59
PARTICLE CHARGE TEST	---	POSITIVE	T-59
SIEVE TEST	---	0.10%	T-59
OIL DISTILLAGE BY DISTILLATION	---	3.0%	T-59
BY VOL OF EMULSION	---	---	T-59 (METH. B)
RESIDUE BY EVAPORATION	65%	---	T-59 (METH. B)
TEST ON RESIDUE FROM DISTILLATION			
PENETRATION, 77f, 100g, 5s	80	150	T-59, T-49
12. ASPHALT APPLICATION:
  - 12.1. PROTECT ALL PRIVATE PROPERTY, BRIDGES, SIGNS POSTS, GUARDRAILS AND OTHER STRUCTURES FROM DISCOLORED BY ASPHALT.
  - 12.2. REMOVE ASPHALT FROM ANY SURFACES THAT ARE DISCOLORED AND REPAINT IF NEEDED.
  - 12.3. SPREADING BASE AND SURFACE COURSES:
    - 12.3.1. FOR AREAS >1,000YD<sup>2</sup> USE PAVER. ANY IRREGULARITIES IN THE SURFACE OF THE PAVEMENT COURSE SHALL BE CORRECTED DIRECTLY BEHIND THE PAVER. EXCESS MATERIAL FORMING HIGH SPOTS SHALL BE REMOVED WITH A SHOVEL OR A LUTE. INDENTED AREAS SHALL BE FILLED WITH HOT MIX AND SMOOTHED WITH A LUTE OR THE EDGE OF A SHOVEL BEING PULLED OVER THE SURFACE. CASTING OF MIX OVER SUCH AREAS SHALL NOT BE PERMITTED.
    - 12.3.2. IF IMPRACTICAL OR USE A PAVER IN AREAS 1,000 YD<sup>2</sup> OR LESS ASPHALT BASE AND SURFACE COURSES MAY BE SPREAD AND FINISHED BY HAND. WOOD OR STEEL FORMS, RIGIDLY SUPPORTED TO ASSURE CORRECT GRADE AND CROSS-SECTION, MAY BE USED. PLACING BY SHALL BE PERFORMED CAREFULLY TO AVOID SEGREGATION OF THE MIX. BROADCASTING OF THE MATERIAL SHALL NOT BE PERMITTED. ANY LUMPS THAT DO NOT BREAK DOWN READILY SHALL BE REMOVED
  - 12.4. COMPACTION BASE AND SURFACE
    - 12.4.1. ROLLING SHALL START AS SOON AS THE HOT MIX MATERIAL CAN BE COMPACTED WITHOUT DISPLACEMENT. ROLLING SHALL CONTINUE UNTIL THOROUGHLY COMPACTED AND ALL ROLLERS MARKS HAVE DISAPPEARED. IN AREAS TOO SMALL FOR THE ROLLER A VIBRATING PLATE COMPACTOR OR HAND TAMPER SHALL BE USED TO ACHIEVE THOROUGH COMPACTION.
13. ONLY ONE SUPPLIER OR GRADE OF ASPHALT TO BE USED AT ANY ONE TIME.



1 ASPHALT DETAIL

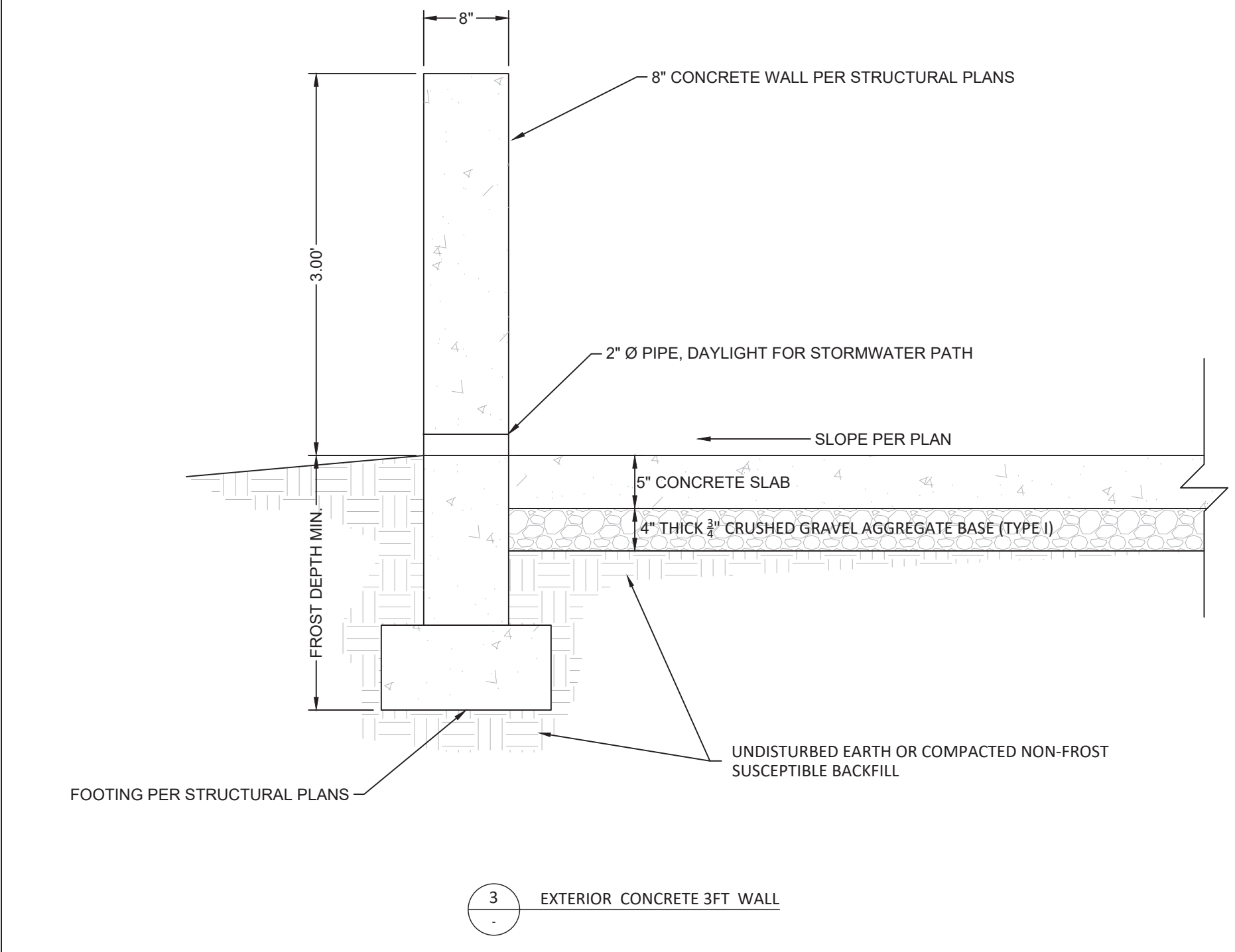


2 EXTERIOR CONCRETE ON GRADE DETAIL

CONCRETE NOTES

1. MATERIALS, UNLESS NOTED OTHERWISE:
  - A. NORMAL WEIGHT AGGREGATES ASTM C33
  - B. REINFORCED STEEL ASTM A615 GRADE60 (FY=60 KSI) USE GRADE 40 (FY=40 KSI) FOR BENT DOWELS WITH SPACING INDICATED REDUCED BY 1/3.
  - C. ADMIXTURES:
    - I. AIR-ENTRAINING ADMIXTURES COMPLY WITH ASTM C260 (WHEN USED).
    - II. CALCIUM CHLORIDE SHALL NOT BE ADDED TO THE CONCRETE MIX.
  - D. TYPE I/II CEMENT COMPLYING WITH ASTM C150 SHALL BE USED FOR ALL CONCRETE.
  - E. THE WATER/CEMENT RATIOS SHALL MEET THE REQUIREMENTS OF ACI 318.
  - F. PROVIDE AIR ENTRAINING AS RECOMMENDED BY ACI 318.
  - G. NO ALUMINUM CONDUIT OR PRODUCT CONTAINING ALUMINUM OR ANY OTHER MATERIAL INJURIOUS TO CONCRETE SHALL BE EMBEDDED IN CONCRETE.
2. COMPRESSIVE STRENGTHS OF CONCRETE AT 28 DAYS SHALL BE AS FOLLOWS:
  - A. ALL SITE CONCRETE 4,000 PSI
3. ONLY ONE GRADE OR TYPE OF CONCRETE SHALL BE POURED ON THE SITE AT ANY GIVEN TIME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, DETAILING, CARE PLACEMENT AND REMOVAL OF ALL FORM WORK AND SHORING.
  - A. SUPPORTING FORMS AND SHORING SHALL NOT BE REMOVED UNTIL STRUCTURAL MEMBERS HAVE ACQUIRED SUFFICIENT STRENGTH TO SAFELY SUPPORT THEIR OWN WEIGHT AND ANY CONSTRUCTION LOAD TO WHICH THEY MAY BE SUBJECTED. IN NO CASE, HOWEVER, SHALL FORMS AND SHORING BE REMOVED IN LESS THAN 24 HOURS AFTER CONCRETE PLACEMENT.
5. REINFORCEMENT SHALL HAVE THE FOLLOWING CONCRETE COVER:
 

CAST-IN-PLACE CONCRETE:	CLEAR COVER
A. CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
B. FORMED CONCRETE EXPOSED TO EARTH OR WEATHER:	
#4 THRU #8 BARS	2"
#5 AND SMALLER BARS	1-1/2"
C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND: SLABS, WALLS, JOISTS, #11 BARS AND SMALLER	3/4"
BEAMS, COLUMNS, PRIMARY REIN. TIES, STIRRUPS, SPIRALS	1-1/2"
6. CONSTRUCTION JOINTS AND CONTROL JOINTS:
  - A. CONTROL JOINTS SHALL BE INSTALLED IN SLABS ON GRADE SO THE LENGTH TO WIDTH RATIO OF THE SLAB IS NO MORE THAN 1.25:1. CONTROL JOINTS SHALL BE COMPLETED WITHIN 12 HOURS OF CONCRETE PLACEMENT. CONTROL JOINTS MAY BE INSTALLED BY:
    - I. SAW CUT A DEPTH OF 1/4 THE THICKNESS OF THE SLAB
    - II. TOOLED JOINTS A DEPTH OF 1/4 THE THICKNESS OF THE SLAB
  - B. INSTALL CONSTRUCTION OR CONTROL JOINTS IN SLABS ON GRADE AT A SPACING NOT TO EXCEED 30 TIMES THE SLAB THICKNESS IN ANY DIRECTION FOR UN-REINFORCED SLABS AND 75 TIMES THE SLAB THICKNESS IN ANY DIRECTION FOR REINFORCED SLABS, UNLESS NOTED OTHERWISE. CONSTRUCTION JOINTS SHALL NOT EXCEED A DISTANCE OF 125'-0" O.C. IN ANY DIRECTION.
7. CONSTRUCTION
  - A. USE CHAIRS OR OTHER SUPPORT DEVICES RECOMMENDED BY THE CRSI TO SUPPORT AND TIE REINFORCEMENT BARS AND WWF PRIOR TO PLACING CONCRETE. WWF SHALL BE CONTINUOUSLY SUPPORTED AT 36" O.C. MAXIMUM. REINFORCING STEEL FOR SLABS ON GRADE SHALL BE ADEQUATELY SUPPORTED ON PRECAST CONCRETE UNITS, LIFTING THE REINFORCING OFF THE GRADE DURING PLACEMENT OF CONCRETE IS NOT PERMANENT.
  - B. CONCRETE TO BE MECHANICALLY CONSOLIDATED DURING PLACEMENT PER ACI STANDARDS.
  - C. CONTRACTOR SHALL COORDINATE PLACEMENT OF ALL OPENINGS, CURBS, DOWELS, SLEEVES, CONDUITS, BOLTS, INSERTS AND OTHER EMBEDDED ITEMS PRIOR TO CONCRETE PLACEMENT.
  - D. ALL EMBEDS AND DOWELS SHALL BE SECURELY TIED TO FORM WORK OR TO ADJACENT REINFORCING PRIOR TO THE PLACEMENT OF CONCRETE.
  - E. NO PIPES, DUCTS, SLEEVES, ETC. SHALL BE PLACED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILED OR APPROVED BY THE STRUCTURAL ENGINEER. PENETRATIONS THROUGH WALLS WHEN APPROVED SHALL BE BUILT INTO THE WALL PRIOR TO CONCRETE PLACEMENT. PENETRATIONS WILL NOT BE ALLOWED IN FOOTINGS OR GRADE BEAMS UNLESS DETAILED. PIPING SHALL BE ROUTED AROUND THESE ELEMENTS AND FOOTINGS STEPPED TO AVOID PIPING.
  - F. REINFORCING BARS SHALL NOT BE WELDED. DO NOT SUBSTITUTE REINFORCING BARS FOR DBAS OR HSAS.
8. DETAILING:
  - A. LAP LENGTHS SHALL BE AS FOLLOWS:
    - I. 30 BAR DIAMETERS FOR #3 AND #4 BARS
    - II. 40 BAR DIAMETERS FOR #5 THROUGH #8 BARS
    - III. DO NOT SPLICE STIRRUPS AND TIES.
    - IV. DO NOT SPLICE VERTICAL BARS IN RETAINING WALL UNLESS SPECIFICALLY SHOWN.
  - B. AT JOINTS PROVIDE REINFORCING DOWELS TO MATCH THE MEMBER REINFORCING, UNLESS NOTED OTHER WISE.
  - C. AT ALL DISCONTINUOUS CONTROL OR CONSTRUCTION SLAB ON GRADE JOINTS, PROVIDE 2-#4x48".
  - D. PROVIDE CORNER BARS AT INTERSECTING WALL CORNERS USING THE SAME BAR SIZE AND SPACING AS THE HORIZONTAL WALL REINFORCING.
  - E. ALL VERTICAL REINFORCING SHALL BE DOWELED TO FOOTINGS, OR TO THE STRUCTURE BELOW WITH THE SAME SIZE AND SPACING AS THE VERTICAL REINFORCING FOR THE ELEMENT ABOVE. DOWELS EXTENDING INTO FOOTINGS SHALL TERMINATE WITH A 90 DEGREE STANDARD HOOK AND SHALL EXTEND TO WITHIN 4" OF THE BOTTOM OF THE FOOTING. FOOTING DOWELS (#8 BARS AND SMALLER) WITH HOOKS NEED NOT EXTEND MORE THAN 20" INTO FOOTINGS.
  - F. HORIZONTAL WALL REINFORCING SHALL TERMINATE AT ENDS OF WALLS AND OPENINGS INTO THE FAR END OF THE JAMB COLUMN WITH A 90 DEGREE STANDARD HOOK PLUS A 6 BAR DIAMETER EXTENSION. HORIZONTAL WALL REINFORCING SHALL BE CONTINUOUS THROUGH CONSTRUCTION AND CONTROL JOINTS.



3 EXTERIOR CONCRETE 3FT WALL

CLIENT  
LAUGHLIN RICKS ARCHITECTURE  
935 SHOSHONE STREET N TWIN FALLS, ID 83301



NOESIS ENGINEERING  
1712 CABELLARD DR.  
AMMON, IDAHO 83406  
(208) 932-2720 (PHONE)

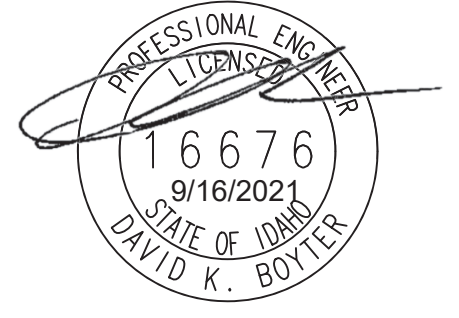
ATC	9/16/2021
DRAWN BY	DATE
DS	9/16/2021
REVIEWED BY	DATE
DKB	9/16/2021
TECHNICAL APPROVAL	DATE

ALWAYS THINK SAFETY

CSI FRONTIER RESTROOM

1002 FRONTIER RD TWIN FALLS, ID 83301  
21060

THIS DOCUMENT WAS ELECTRONICALLY SIGNED. THE DIGITAL CERTIFICATE IS IDENTIFIED ON THE 1ST PAGE OF THE ORIGINAL FILE. THE ORIGINAL DOCUMENT IS LOCATED AT NOESIS ENGINEERING SERVICES, PC HOME OFFICE SERVER UNDER THE JOB NUMBER FOLDER/7.0 ORIGINAL DOCUMENTS.



EXISTING SITE PLAN