

VICINITY MAP  
N.T.S.

TABLE OF CONTENTS

1. TITLE SHEET AND SITE PLAN
2. STORMWATER AND GRADING PLAN
3. PRELIMINARY BUILDING FLOOR PLAN & ELEVATIONS
4. WATER, SEWER AND STREET DETAILS AND SECTIONS

GENERAL NOTES

1. THESE PLANS ARE FOR THE CONSTRUCTION OF A SHOP WITH ONE OR TWO BEDROOM UPSTAIRS LOFT IN THE COMMERCIAL ZONE OF PONDERAY, IDAHO.
2. THE BUILDING OUTLINE AS SHOWN HEREON IS TO BE LOCATED IN THE FIELD BY A LICENSED PROFESSIONAL LAND SURVEYOR.
3. THESE PLANS ARE FOR SITE GRADING, STORMWATER AND EROSION CONTROL AS SHOWN.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH THE REQUIREMENTS OF THE CITY OF PONDERAY, AND ANY OTHER DEVELOPMENT STANDARDS.
5. ALL WORK SHALL CONFORM TO THE "IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION," 2020 OR MOST RECENT EDITION, IN CASE OF CONFLICT, CITY OF PONDERAY STANDARDS SHALL PREVAIL.
6. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY COMPANIES PRIOR TO STARTING WORK NEAR ANY FACILITIES AND SHALL COORDINATE HIS WORK WITH COMPANY REPRESENTATIVES. ALL UTILITY SERVICES SHALL BE INSTALLED UNDERGROUND. FOR EXISTING UTILITY LOCATIONS, CONTACT CALL BEFORE YOU DIG AT 1-800-626-4950 AT LEAST 48 HOURS PRIOR TO STARTING ANY EXCAVATIONS.
7. AN APPROVED PERMIT SHALL BE OBTAINED FROM THE CITY OF PONDERAY PLANNING DEPARTMENT AND WORK SHALL NOT BEGIN UNTIL A NOTICE TO PROCEED IS RECEIVED. THE CONTRACTOR SHALL NOTIFY THE PONDERAY CITY PLANNING DEPARTMENT 48 HOURS PRIOR TO STARTING WORK.
8. THE CONTRACTOR SHALL HAVE AN APPROVED SET OF IMPROVEMENT PLANS AND APPROVAL LETTER ON THE JOB SITE AT ALL TIMES.
9. WHERE TRENCHES ARE WITHIN PUBLIC EASEMENTS, COMPACTION TEST RESULTS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD BY A QUALIFIED LABORATORY AND PROPERLY CERTIFIED TECHNICIAN WHO WILL CERTIFY THAT TRENCH BACKFILL WAS COMPACTED AS REQUIRED IN ACCORDANCE WITH THE ISPCW OR PONDERAY REQUIREMENTS.
10. ALL TESTING REQUIRED WILL BE AT THE EXPENSE OF THE CONTRACTOR.
11. EXISTING DRAINAGE FEATURES WILL BE PRESERVED OR RESTORED SUCH THAT NO BLOCKAGE OF EXISTING RUNOFF WATER WILL PERMANENTLY OCCUR.
12. ALL GREEN/LANDSCAPE SPACE TO BE GRASS, BUSHES AND TREES.
13. CONTRACTOR SHALL PROVIDE DUST CONTROL OR ABATEMENT MEASURES SUCH AS WATER SUPPRESSION, SCREENING & ENCLOSURE AND GENERAL SITE HOUSE KEEPING DURING CONSTRUCTION OF PROJECT.
14. EXISTING UTILITIES SHALL BE LOCATED, MARKED, AND PROTECTED DURING COURSE OF CONSTRUCTION. IF ANY DAMAGE TAKES PLACE, THE CONTRACTOR SHALL NOTIFY UTILITY COMPANY.
15. NO REVISIONS SHALL BE MADE TO THESE PLANS WITHOUT THE APPROVAL OF THE ENGINEER.

SURVEY NOTES

1. THIS PLAN WAS PREPARED BY FROM A BOUNDARY DONE BY GLAHE & ASSOCIATES AS WELL AS INFORMATION TAKEN FROM THE BONNER COUNTY GIS WEBSITE.
2. THIS MAP DOES NOT REPRESENT AN ACTUAL SURVEY BUT WAS ASSEMBLED FROM INFORMATION GATHERED FROM GLAHE & ASSOCIATES AND COLLECTED TOPOGRAPHY. REFER TO THE RECORDS OF SURVEY BY GLAHE & ASSOCIATES FOR MORE DETAILED PROPERTY BOUNDARY, ELEVATION MONUMENTATION, AND ADDITIONAL INFORMATION.
3. ELEVATIONS SHOWN ARE BASED ON THE GLAHE SURVEY USING THE NAVD83 DATUM AS RECEIVED AND IS INTENDED TO SERVE AS A GRADING, STORMWATER, AND EROSION PLAN FOR A DEVELOPMENT PERMIT.
4. EXISTING PROPERTY CORNERS AND SURVEY MONUMENTS SHALL BE LOCATED, MARKED AND PROTECTED DURING THE COURSE OF CONSTRUCTION. ANY DAMAGE OR OBLITERATED CORNERS OR MONUMENTS SHALL BE RE-ESTABLISHED AT THE CONTRACTORS EXPENSE BY A PROFESSIONAL LAND SURVEYOR, LICENSED IN THE STATE OF IDAHO, PRIOR TO FINAL ACCEPTANCE.

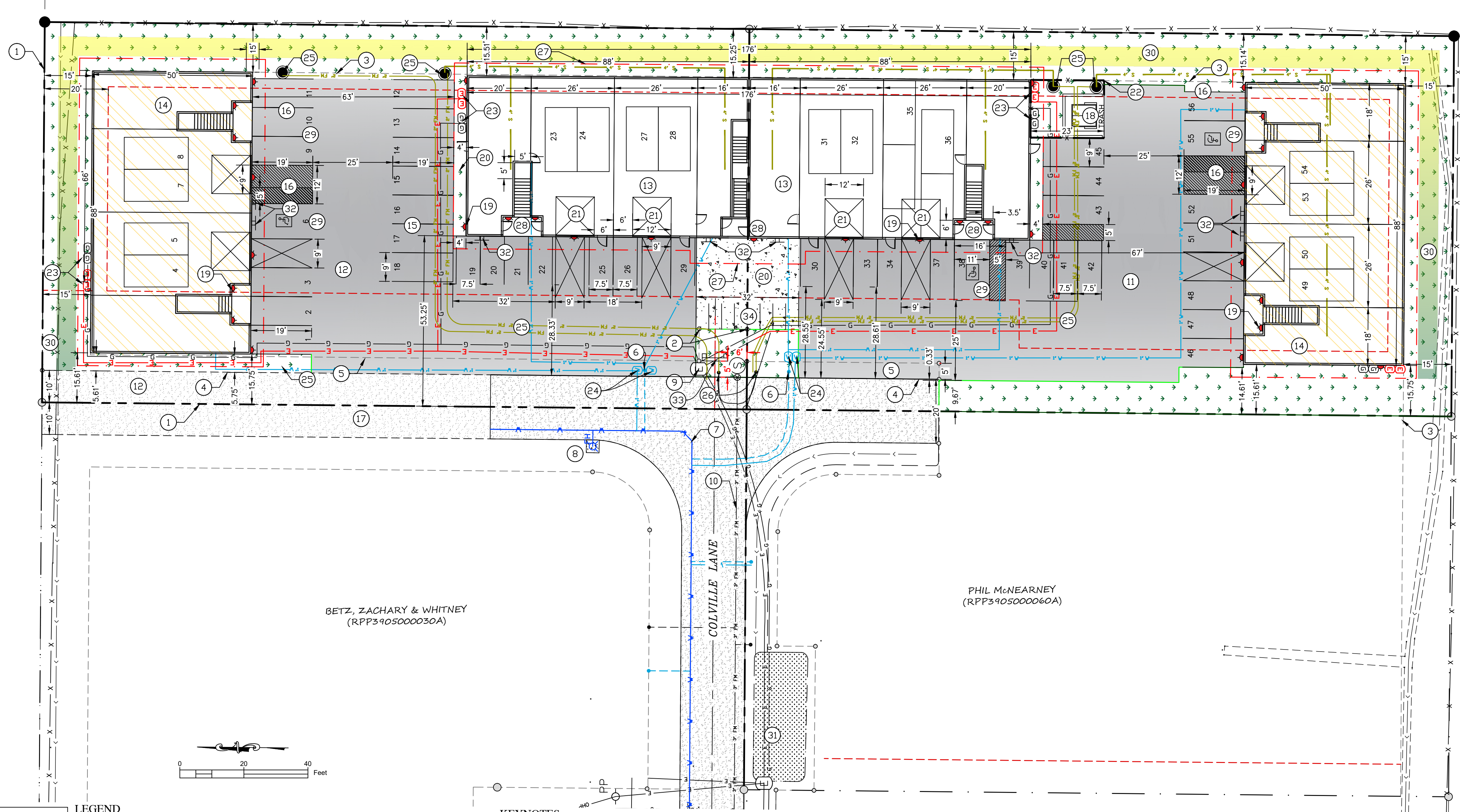
SITE PLANNING DATA

TOTAL LOT AREA: 52,250 SF LOT 1 + 0.4 ACRES = 26,125 SF LOT 5 + 0.4 ACRES = 26,125 SF LOT COVERAGE: AFTER PHASE I CONSTRUCTION: <b>10,816 SF (20.7%)</b> AFTER PHASE II CONSTRUCTION: <b>21,952 SF (42%)</b> OPEN SPACE: AFTER PHASE I CONSTRUCTION: 52,250 SF - 10,816 SF = 41,434 SF (79%) AFTER PHASE II CONSTRUCTION: 52,250 SF - 21,952 SF = 30,298 SF (58%) GREEN SPACE: <b>13,070 SF (25%)</b> PARKING LOT AREA: <b>17,692 SF</b> PARKING SPOTS PROPOSED <b>56 TOTAL</b> 22 STANDARD SPOTS 3 ACCESSIBLE SPOTS (VAN) 15 COMPACT SPOTS 16 GARAGE SPOTS (NOTE EACH BUILDING CAN HOUSE 4 VEHICLES)	<b>TOTAL FLOOR SPACE:</b> 12,400 SF + 12,400 SF = 24,800 SF <b>PHASE I FLOOR SPACE:</b> 12,400 SF LOT 5 FLOOR SPACE: 6,200 SF GROUND FLOOR (50 FT X 88 FT = 4,400 SF) COMMERCIAL - BATH/OFFICE/STORAGE AREA: (16' X 50') + (20' X 50') = 1,800 SF INDUSTRIAL - (SHOP AREA): (26' X 50') + (26' X 50') = 2,600 <b>SECOND FLOOR (36 FT X 50 FT = 1,800 SF)</b> LIVE/WORK RESIDENTIAL - LOFT AREA: (16' X 50') + (20' X 50') = 1,800 SF LOT 4 FLOOR SPACE: 6,200 SF GROUND FLOOR (50 FT X 88 FT = 4,400 SF) COMMERCIAL - BATH/OFFICE/AREA: (16' X 50') + (20' X 50') = 1,800 SF INDUSTRIAL - (BAY/SHOP AREA): (26' X 50') + (26' X 50') = 2,600 <b>SECOND FLOOR (36 FT X 50 FT = 1,800 SF)</b> LIVE/WORK RESIDENTIAL - LOFT AREA: (16' X 50') + (20' X 50') = 1,800 SF <b>PHASE 2 ADDITIONAL FLOOR SPACE:</b> 12,400 SF ASSUMED SIMILAR FLOOR PLAN LOT 5 ADDITIONAL FLOOR SPACE: 6,200 SF LOT 4 ADDITIONAL FLOOR SPACE: 6,200 SF
--	--

SITE SPECIFIC NOTES

1. 16' (SIXTEEN FOOT) REDUCED SETBACK REQUESTED FOR APPROVAL ON LOT 4 OFF WESTERN PROPERTY. NORTHERNMOST BUILDING WILL HAVE A 5.6' SETBACK OFF THE STREET EASEMENT FOR COLVILLE LANE.
2. 5' (FIVE FOOT) REDUCED SETBACK IS REQUESTED FROM REAR AND SIDE PROPERTY LINES FOR BOTH LOT 4 AND 5. BOTH BUILDINGS WILL BE SETBACK 15' FROM REAR AND SIDE PROPERTY LINES.
3. ALL ADDITIONAL STORMWATER RUNOFF IS ACCOUNTED FOR IN STORMWATER PLAN.
4. ANY ADDITIONAL OR LOST PARKING WOULD BE ACCOUNTED FOR IN LOCATIONS SPECIFIED BY THE ENGINEER AND CITY AT THE TIME OF BUILDING PERMITS. EACH SHOP COULD HOUSE 4 VEHICLES (2 VEHICLES ARE ACCOUNTED FOR IN EACH SHOP).
5. ALL STORMWATER RUNOFF AND SNOW SHED WILL DIRECTED TO STORMWATER TREATED AREAS WITHIN THE PROPERTY BOUNDARIES. STORMWATER RUNOFF AND SNOW SHED GENERATED BY COLVILLE LANE'S INGRESS & EGRESS AND UTILITY EASEMENTS WILL BE EXCLUDED.
6. EACH BUILDING SHALL HAVE AN EXTERIOR BUSINESS IDENTIFICATION (WALL MOUNT SIGNAGE)

INDUSTRIAL & COMMERCIAL SITE PLAN FOR  
**LAWSON TATE**  
A DEVELOPMENT PERMIT FOR CONSTRUCTION FOR  
RPP39050000040A & RPP39050000040A AKA McNEARNEY MILL, LOTS 4 & 5  
PONDERAY, BONNER COUNTY, IDAHO 83852



BETZ, ZACHARY & WHITNEY  
(RPP39050000030A)

PHIL McNEARNEY  
(RPP39050000060A)

LEGEND

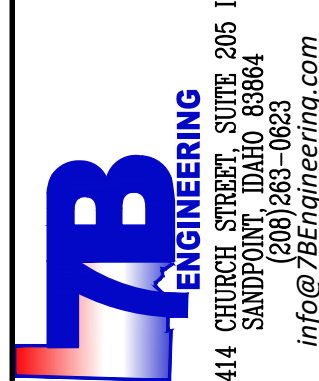
---	PROPERTY PARCEL
---	PROPOSED BUILDING
---	SETBACK LINE
---	EASEMENT LINE
---	EXISTING 8" WATER MAIN
---	EXISTING WATER SERVICE STUB
---	PROPOSED WATER CONNECTION
---	UNDERGROUND POWER LINES
---	OVERHEAD POWER LINES
---	DHP
---	GAS LINE
---	EXISTING 3" FORCE MAIN
---	PROPOSED PRESSURE SEWER CONNECTION
---	PROPOSED SEWER COLLECTION
---	DRAINAGE DITCH/FLOW LINE
---	EXISTING FENCE
---	PROPOSED SITE OBSCURING FENCE
---	PROPOSED ROOF OUTLINE
---	BOTTOM OF STORMWATER FACILITY
---	PROPOSED STORMWATER FACILITY (GREEN SPACE) (GRASS & NATIVE VEGETATION)
---	PROPOSED ADDITIONAL GREEN SPACE (GRASS & NATIVE VEGETATION)
---	PROPERTY CORNER, CALCULATED POINT (EASEMENT)
---	SIDEWALK OR WALKWAY
---	GRAVEL PARKING SURFACE
---	FUTURE PHASE OF CONSTRUCTION

KEYNOTES

1. PROPERTY BOUNDARY
2. RETAIN & PROTECT EXISTING SURVEY MONUMENTS
3. EXISTING STORMWATER EASEMENT
4. EXISTING 20' WIDE INGRESS, EGRESS & UTILITY EASEMENT
5. 5' WIDE UTILITY EASEMENT
6. EXISTING 1" WATER (STUB)
7. EXISTING 8" C900 WATER MAIN
8. EXISTING FIRE HYDRANT LOCATION (SANDPOINT WATER)
9. EXISTING DRY UTILITIES (ELECTRICAL & GAS (AVISTA))
10. EXISTING 3" FORCE MAIN (KPSD) & PRESSURE CLEANOUT MANHOLE
11. PROPOSED PARKING LOT 1 (GRAVEL)
12. PROPOSED PARKING LOT 2 (GRAVEL)
13. PROPOSED PHASE I BUILDINGS (SEE SHEET 3)
14. PROPOSED PHASE II BUILDINGS (SAME AS PHASE I)
15. PROPOSED PARKING AREAS (NOT TO BE STRIPED)
16. PROPOSED LOADING ZONE
17. FUTURE ROAD BUILD
18. PROPOSED TRASH ENCLOSURE
19. PROPOSED LIGHTING
20. PROPOSED PATIO OR WALKWAY
21. PROPOSED GARAGE BAYS (NO PARKING IN FRONT ~ 9' WIDE LOADING ZONES)
22. SITE OBSCURING FENCE (UTILITY AREA - TRASH ENCLOSURE WITHIN)
23. PROPOSED DRY UTILITIES ELECTRICAL & GAS CONNECTIONS (AVISTA)
24. PROPOSED 1" WATER SERVICE CONNECTIONS TO SANDPOINT WATER (4) SERVICES PROPOSED (2 SERVICES FOR PHASE I)  
(4) NEW METERS (TO BE ADDED)  
(2) EXISTING WATER STUBS TO BE USED (PHASE I)  
(2) PROPOSED WATER STUB (PHASE II)  
(SEE DETAIL B/4) (IF LOCATED IN TRAVELWAY, METER MUST BE TRAFFIC RATED)
25. PROPOSED PRESSURE SEWER CONNECTIONS TO KPSD (TO BE DESIGNED BY PLUMBER)  
(4) DUPLEX PUMP BASIN (30" ADS OR APPROVED EQUAL)  
(2) PHASE I (2) PHASE II  
4-4" GRAVITY CONNECTIONS (CONNECTS BUILDING TO BASINS)  
(NOTE WITHIN STORMWATER EASEMENT FOR PHASE I BUILDINGS)  
1-2" FM (FROM BASINS TO MAIN)  
(SEE DETAIL D/4)  
\*IF LOCATED IN TRAFFIC AREA, TRAFFIC RATED BASINS MUST BE USED.
26. EXISTING PRESSURE SEWER BROOKS BOX CONNECTED TO EXISTING 3" FORCE MAIN (KPSD)
27. PROPOSED ROOF OUTLINE
28. PROPOSED BUILDING ENTRY (BREEZEWAY AND STAIRS)
29. ACCESSIBLE PARKING SPOT
30. PROPOSED STORMWATER TREATMENT & RETENTION AREA (MODIFIED STORMWATER CHANNEL/GIA) (SEE DETAIL A/2)
31. EXISTING STORMWATER FACILITY (COLVILLE LANE TREATMENT AREA)
32. PROPOSED WALL MOUNT SIGNAGE (8 TOTAL-EACH UNIT WILL HAVE ITS OWN BUSINESS IDENTIFICATION).
33. PROPOSED MONUMENT SIGN (8" WIDE 6' TALL WITH AN ILLUMINATION LIGHT). (SETBACK 5' OFF TRAVEL SURFACE OF COLVILLE LANE AND 6' OFF PROPERTY LINE)
34. PROPOSED MOTOR BIKE AND BIKE PARKING AREA (14 SPOTS ~48" AVG SPACING - 96" DEPTH)

REVISION	DATE	DESCRIPTION
1	10/14/22	REPLACES SHEET 1 WITH CHANGES
2	10/22/22	REPLACES SHEET 1A WITH CHANGES

TITLE SHEET - SITE PLAN  
LAWSON TATE  
TATE SHOPS  
PONDERAY, IDAHO



PROJECT NO. 21105	DRAWN BY: ICE/DWL
CHECKED BY: DWL	DATE: 10/23/22
SCALE: 1"=20'	DATE OF IDAHO: 10/23/22
(VALID FOR 24 MONTHS OR 22,134')	
SHEET 1B OF 4	



STORM WATER & SNOW MANAGEMENT CALCULATIONS

IMPERVIOUS AREA  
PROPOSED ROOF AREA: 10,816 SF + 5,568 SF + 5,568 SF = 21,952 SF  
PROPOSED PARKING AREA: 17,692 SF  
MISC. PATIO AREA/WALKWAY: 912 SF  
TOTAL PROPOSED IMPERVIOUS AREA (AIMP): 40,556 SF  
STORMWATER MANAGEMENT  
PREDEVELOPED FLOW: 0.07 CFS (LIGHT INDUSTRIAL ~72 % IMP)  
OBERSON SILT LOADS (HYDROLOGIC SOILS B/D)  
(AVG INFILTRATION RATE 0.125 IN/HR) (OUTFLOW 0.002 CFS)  
REQ'D STORMWATER TREATMENT VOLUME: 40,556 SF X 0.5" = 1,691 CF  
REQ'D DETENTION/RETENTION VOLUME: 6,316 CF (SEE STORMWATER CALCULATIONS/MEMO)  
POSTDEVELOPED FLOW BEFORE TREATMENT: 0.10 CFS  
POSTDEVELOPED FLOW AFTER TREATMENT: 0.02 CFS (INFILTRATION)  
(15 FT X 514 LF)  
STORMWATER TREATMENT VOLUME PROVIDED: 3,598 CF @ 8" (1/2 (6'+15') X (8") X 514 LF)  
TREATMENT/RETENTION VOLUME PROVIDED: 8,095.5 CF @ 18" (1/2 (6'+15') X 18" X 514 LF)  
SNOW MANAGEMENT  
AVERAGE ANNUAL SNOWFALL: 4.8 FT (58 INCHES)  
PROPOSED COMPACTED TO FRESH SNOW RATIO: 5:1  
AVERAGE FRESH SNOW TREATMENT VOLUME (FSV): 40,556 SF (AIMP) X 4.8 FT = 194,669 CF  
REQ/COMPACTED SNOW TREATMENT VOLUME: FSV/5 = 38,933 CF  
ASSUMED MAX STORAGE HEIGHT: 6 FT  
REQUIRED SNOW TREATMENT AREA: 6,489 SF (16% AIMP)  
PROPOSED SNOW STORAGE AREA: 7,710 SF (STORMWATER AREA)  
AVERAGE SNOW HEIGHT IN TREATMENT AREA: 5.05 FT (38,933 CF/7,710 SF)

GENERAL STORMWATER NOTES

- EXISTING DRAINAGE FEATURES WILL BE PRESERVED OR RESTORED SUCH THAT NO BLOCKAGE OF EXISTING RUNOFF WATER WILL PERMANENTLY OCCUR.
- RUNOFF FROM IMPERVIOUS SURFACES SHALL BE COLLECTED AND CONVEYED TO TREATMENT AREAS.
- CONVEYANCE FACILITIES SHALL CONSIST OF ROCK LINED FLOWLINE, AND SWALES AS NOTED ON THESE PLANS.
- STORMWATER TREATMENT FACILITIES SHALL CONSIST OF AN INFILTRATION AREAS AS NOTED ON THE PLANS. THE TREATMENT FACILITIES ARE SIZED TO TREAT THE FIRST 1" AND THE 24-HOUR 24-HOUR EVENT.
- THERE ARE TWO (2) OUTFALL LOCATIONS THAT DISCHARGE FROM THE TREATMENT AND CONVEYANCE FACILITIES.
  - EXISTING SOUTH COLLECTION DITCH - FLOWS EAST/ CONNECTS TO EXISTING DRAINAGE ALONG MCCHEE'S PROPERTY LINE.
  - EXISTING NORTH COLLECTION DITCH - FLOWS WEST/ CONNECTS TO DRAINAGE ALONG MCNEARNEY ROAD.
- PROTECT THE OUTLETS WITH ROCK, VEGETATION, SLASH, OR A COMBINATION THEREOF, TO REDUCE OUTLET VELOCITIES AND POTENTIAL FOR EROSION.

STORMWATER FACILITY O&M REQUIREMENTS

- GENERAL REQUIREMENTS:
  - INSPECT CONSTRUCTED FACILITIES MONTHLY AND BETWEEN LARGE STORM EVENTS FOR THE FIRST YEAR AFTER IT IS ESTABLISHED AND WORKING AS INTENDED. INSPECT ONCE IN THE SPRING AND FALL. INSPECT FOR FAILURES, EROSION, DISPLACED ROCK PROTECTION, DEAD VEGETATION, AND SEDIMENT BUILDUP. REPAIR AND/OR REPLACE AS NECESSARY.
- GRASSSED INFILTRATION AREA (GIA):
  - INSPECT FOR DEAD VEGETATION. REMOVE DEAD ZONE. RE-VEGETATE, AND DETERMINE CAUSE OF DEAD VEGETATION. CHOKING ON SEDIMENT, LACK OF NUTRIENTS, OR INADEQUATE WATERING OR SUNLIGHT?
  - INSPECT FOR EXCESSIVE SEDIMENTATION. DETERMINE SOURCE OF SEDIMENTATION, MITIGATE, OR INSTALL SEDIMENT TRAP.
  - DRAINING TOO SLOW. CHECK FOR SEDIMENT PLUGGING-REPLACE GIA AND CONTROL SOURCE OF SEDIMENT. IF DEEPER SOIL DRAINS TOO SLOW, INSTALL AN UNDER DRAIN SYSTEM.
  - MOW GRASS AND CONTROL WEEDS AS NEEDED.
  - IRRIGATE IF NECESSARY. DO NOT OVER-IRRIGATE.
  - CHECK THAT OUTLETS AND OUTLET PROTECTION ARE WORKING AND ARE NOT DAMAGED. REPLACE AS NECESSARY.

EROSION CONTROL MANAGEMENT

- RECOMMENDED EROSION CONTROL ~ 600 LF (COMPOST BERMS OR FIBER ROLLS IF NEEDED. SEE DETAILS C/2, D/2)
- CONTRACTOR TO VERIFY EROSION CONTROL LOCATIONS WITH OWNER AND ENGINEER.

EROSION CONSTRUCTION SCHEDULE	
STAKE FOUNDATION	MAY-22
PLACEMENT OF TEMPORARY EROSION CONTROLS	MAY-22
ROUGH GRADING (SWALES/GIAs)	JUNE-22
PHASE 1 BUILDING CONSTRUCTION AND GRADING	JUNE-22
RESEED SLOPES & DISTURBED AREAS	OCT-22

TEMPORARY STORMWATER EROSION CONTROL NOTES

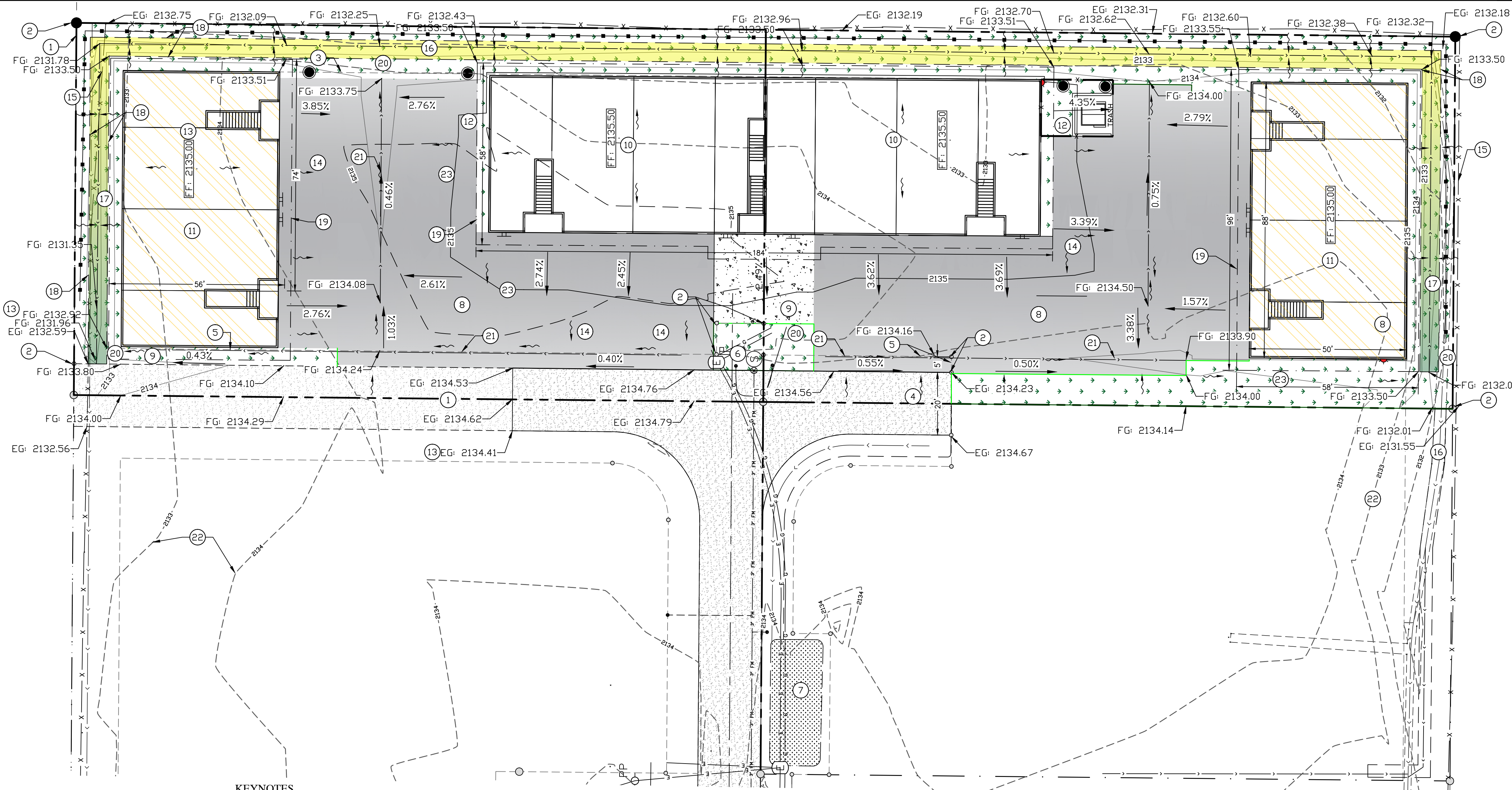
- PRIOR TO CONSTRUCTING THE STORMWATER COLLECTION, CONVEYANCE, DETENTION, AND TREATMENT FACILITIES: ALL TEMPORARY EROSION CONTROL FEATURES SHALL BE INSTALLED AND MAINTAINED, DURING CONSTRUCTION, TO PREVENT CONSTRUCTION RELATED RUNOFF AND SEDIMENT MIGRATION OFF-SITE.
  - BARRIERS SHALL BE PLACED PERPENDICULAR TO THE DIRECTION OF FLOW.
  - CONSTRUCT SILT FENCES, COMPOST BERMS, OR FIBER ROLLS WHERE OVERLAND RUNOFF MAY LEAVE THE CONSTRUCTION AREA OR ENTER NEIGHBORING PROPERTIES.
  - MULCHING OF DISTURBED AREAS CAN BE DONE WITH HAY, STRAW, WOOD CHIPS, GRASS CLIPPINGS, OR ROCK. SLOPES STEEPER THAN 2:1 MAY REQUIRE TACKLING AGENTS TO HOLD MULCH IN PLACE.
  - LEAVE TEMPORARY STORMWATER AND EROSION CONTROL MEASURES IN PLACE UNTIL VEGETATION HAS BEEN RE-ESTABLISHED.
- PERMANENT EROSION CONTROL NOTES
- INSTALL STORMWATER COLLECTION, CONVEYANCE, DETENTION, AND TREATMENT FACILITIES AS SHOWN ON THESE PLANS.
  - IF TREATMENT FACILITIES SHOW SIGNS OF EXCESSIVE SEDIMENTATION DETERMINE THE SOURCE OF EROSION.
  - RE-VEGETATE DISTURBED AREAS, OUTSIDE OF THE STORMWATER TREATMENT AND CONVEYANCE AREA, WITH PLANTS LISTED IN BONNER COUNTY CODE, TITLE 12, APPENDIX B (NORTH IDAHO NATIVE AND BENEFICIAL PLANT LIST).
  - IF SLOPES ARE TOO STEEP TO RE-VEGETATE, APPLY ROCK MULCH OR RIPRAP FOR SLOPE PROTECTION.
  - ADDITIONAL BMPs FOR EROSION CONTROL AND APPLICATION RATES CAN BE FOUND IN THE 2020 VERSION OF IDAHO'S CATALOG OF STORM WATER BEST MANAGEMENT PRACTICES. THE DOCUMENT CAN BE FOUND ON THE IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY'S "STORM WATER" WEB PAGE.

GRADING NOTES

- LOCATIONS, TOPOGRAPHY AND ELEVATIONS SHOWN ARE APPROXIMATE AND SERVE TO ESTABLISH GRADES AND AN ESTIMATE OF GRADING QUANTITIES. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE AND PROTECT ALL UTILITIES ON SITE PRIOR TO COMMENCING GRADING WORK.
- PRIOR TO ROUGH GRADING, THE CONTRACTOR SHALL INSTALL TEMPORARY CONSTRUCTION STORMWATER CONTROL MEASURES (BMPs) TO PREVENT DAMAGE TO ADJACENT PROPERTIES.
- PROPOSED (CUT/FILL ZONES) ARE RECOMMENDED TO HAVE A 2:1 SLOPE OR FLATTER TO MEET CITY REQUIREMENTS AND TO AID WITH RE-ESTABLISHING NATIVE VEGETATION.
- AREAS TO RECEIVE FILL SHALL BE CLEARED, GRUBBED, AND SCARIFIED PRIOR TO PLACING FILL.
- ROADWAY AND BUILDING PAD FILLS SHALL BE PLACED IN LIFTS AND COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DENSITY

ESTIMATED GRADING QUANTITIES

TOTAL ESTIMATED DISTURBED VOLUME ON SITE						
* GRADING QUANTITIES ARE ESTIMATED BY AUTOCAD 2021 SOFTWARE						
* STRIPPINGS ASSUMED 8"~0.66'						
* ESTIMATED MATERIAL IMPORT 1.5' ~18" ( 0.5' TOP COARSE + 1' BASE COARSE)						
GRADING AREA (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	GROSS GRADING VOLUME (CY)	ESTIMATED STRIPPINGS (CY)	ESTIMATED MATERIAL IMPORT (CY)	NET GRADING VOLUME (CY)
49,792	116	1,573	1,457 (FILL)	1,217	2,800	92.25 (CUT)

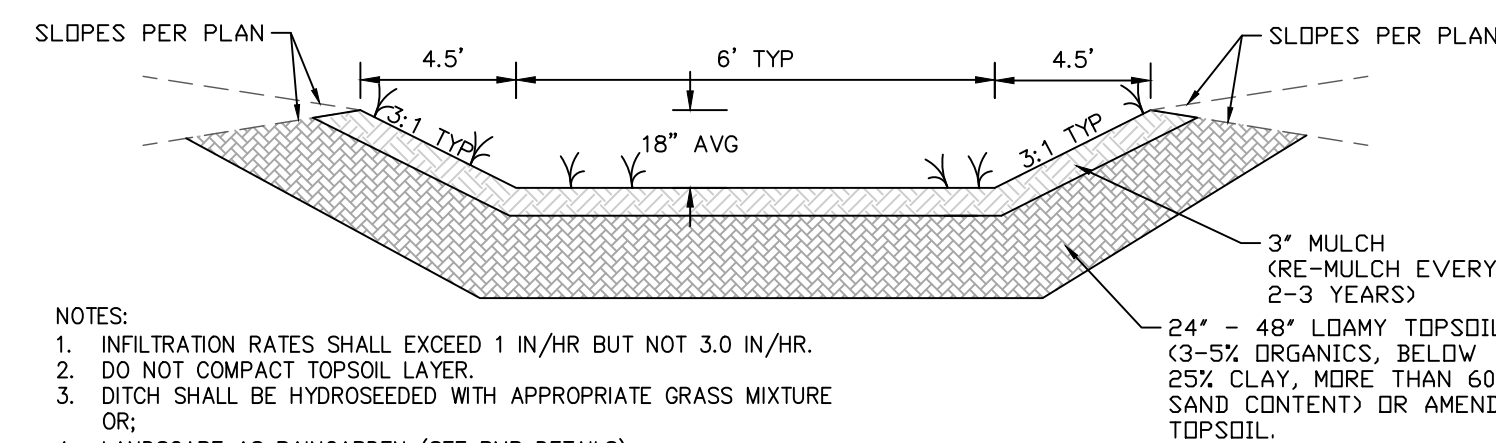


KEYNOTES

- PROPERTY BOUNDARY
- RETAIN & PROTECT EXISTING SURVEY MONUMENTS
- EXISTING STORMWATER EASEMENT
- EXISTING 20' WIDE INGRESS, EGRESS & UTILITY EASEMENT
- 5' WIDE UTILITY EASEMENT
- RETAIN & PROTECT EXISTING DRY UTILITIES (ELECTRICAL & GAS (AVISTA))
- EXISTING STORMWATER FACILITY (COVILLE LANE TREATMENT AREA)
- PROPOSED PARKING LOT (GRAVEL) (SEE DETAIL F/4)
- MISCELLANEOUS PARKING AREA (BIKE) & WALKWAY
- PROPOSED PHASE I BUILDINGS (SEE SHEET J/3)
- PROPOSED PHASE II BUILDINGS
- SITE OBSCURING FENCE (UTILITY AREA-TRASH ENCLOSURE WITHIN)
- SURFACE SPOT ELEVATIONS (TYPICAL)  
FG = FINISHED GROUND  
EG = EXISTING GROUND  
FF = FINISHED FLOOR
- PROPOSED STORMWATER FLOW
- EXISTING FENCE (RELOCATE OR REMOVE AS NEEDED)
- EXISTING STORMWATER DITCHES
- PROPOSED STORMWATER TREATMENT & RETENTION AREA (MODIFIED STORMWATER CHANNEL/GIA) (SEE DETAIL A/2)  
LENGTH: 514 FT  
TOP WIDTH: 15 FT  
BOTTOM WIDTH: 6 FT  
DEPTH: 15" AVG  
OUTFLOW(1) NW: 2132.0±  
OUTFLOW(2) SW: 2132.3±  
AREA: 7,710 SF  
VOLUME: 6,168 SF
- PROPOSED STORMWATER FACILITY BED OUTLINE
- PROPOSED ROOF OUTLINE (GUTTER AND SNOWSTOPS ON ALONG FRONT OF BUILDING)
- REPLANT DISTURBED AREAS WITH APPROVED GRASS MIXTURE (SEE DETAIL B/2)
- PROPOSED DRAINAGE FLOW LINE OR VALLEY GUTTER
- EXISTING GROUND CONTOURS (TYP) (5' MAJORS, 1' MINORS)
- FINISHED GROUND CONTOURS (TYP) (5' MAJORS, 1' MINORS)

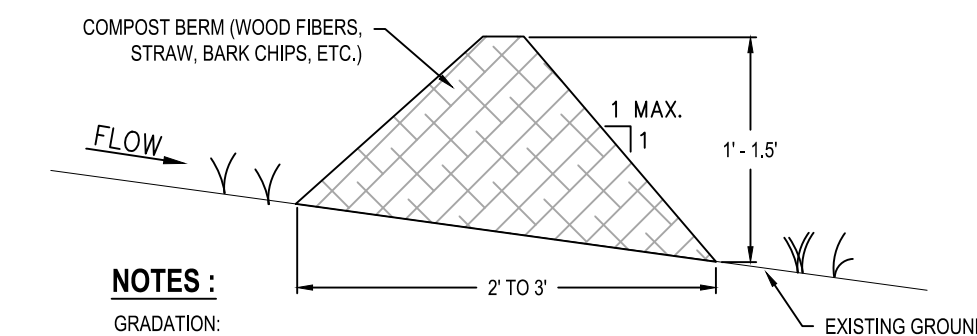
LEGEND

- PROPERTY PARCEL
- PROPOSED BUILDING
- SETBACK LINE
- EASEMENT LINE
- EXISTING 8" WATER MAIN
- EXISTING WATER SERVICE
- PROPOSED WATER CONNECTION
- UNDERGROUND POWER LINES
- OVERHEAD POWER LINES
- DHP
- G
- G
- EXISTING 3" FORCE MAIN
- PROPOSED SEWER CONNECTION
- PROPOSED DRAINAGE DITCH/FLOW LINE
- EXISTING FENCE
- PROPOSED SITE OBSCURING FENCE
- PROPOSED ROOF OUTLINE
- FINISHED GRADE 5' CONTOUR
- FINISHED GRADE 1' CONTOUR
- EXISTING GRADE 5' CONTOUR
- EXISTING GRADE 1' CONTOUR
- BOTTOM OF STORMWATER FACILITY
- PROPOSED STORMWATER FACILITY
- PROPOSED ADDITIONAL GREEN SPACE
- PROPERTY CORNER, CALCULATED POINT (EASEMENT)
- SIDEWALK OR WALKWAY
- GRAVEL PARKING SURFACE
- FUTURE PHASE OF CONSTRUCTION



- NOTES:
- INFILTRATION RATES SHALL EXCEED 1 IN/HR BUT NOT 3.0 IN/HR.
  - DO NOT COMPACT TOPSOIL LAYER.
  - DITCH SHALL BE HYDROSEED WITH APPROPRIATE GRASS MIXTURE OR;
  - LANDSCAPE AS RAINGARDEN (SEE BMP DETAILS).
  - KEEP GRASS WITHIN GIA 3" TO 9" IN HEIGHT.
  - NATIVE LOAM SOILS CAN BE AMENDED WITH 2" OF COMPOST TILLED TO A DEPTH OF 8" AND ENTIRE BED SCARIFIED TO A DEPTH OF 12" BEFORE PLANTING.

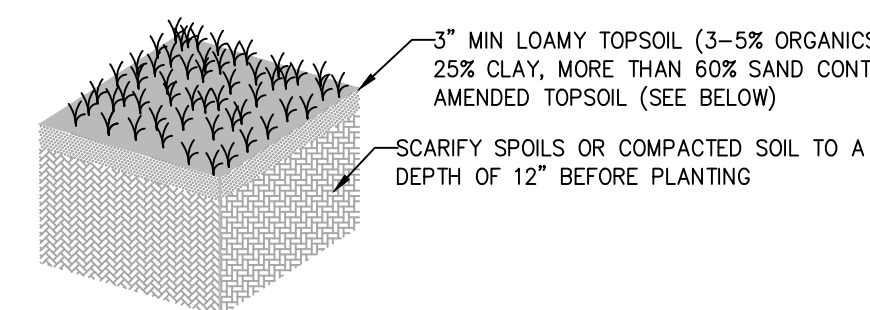
A TYPICAL GRASSY INFILTRATION AREA  
N.T.S.  
BIOFILTRATION/BIORETENTION AREAS



NOTES:

- GRADATION:
- 3" - 100% PASSING
  - 1" - 90% TO 100% PASSING
  - 3/4" - 70% TO 100% PASSING
  - 1/4" - 30% TO 75% PASSING
- NOTHING LONGER THAN 6" SHALL BE USED.  
CONSTRUCT WITH 25% TO 100% ORGANIC MATTER (WOOD FIBER, STRAW, COMPOST, ETC.)

C TEMPORARY BERM (COMPOST)  
N.T.S.

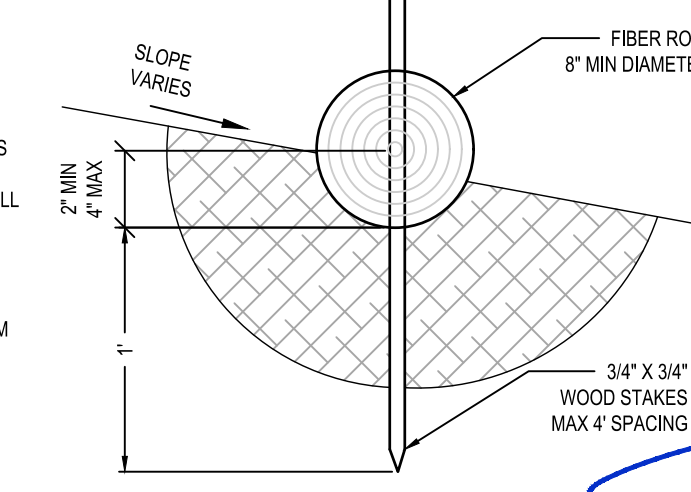


- SUGGESTED SEEDING MIXES:
- GRASSSED INFILTRATION AREA: IDAHO FESCUE (60#/AC), BEAKED SEDGE (60#/AC), SMOOTH BROME (60#/AC).
- PERMANENT EROSION CONTROL SEED MIX: SPRING WHEAT (60#/AC), BARLEY (80#/AC), OATS (60#/AC).

B STORMWATER & EROSION CONTROL PLANTINGS  
N.T.S. DISTURBED AREA REPLANTING

NOTES:

- FIBER ROLLS SHALL BE PLACED ALONG A LEVEL CONTOUR UNLESS OTHERWISE SHOWN.
- TURN THE ENDS OF THE FIBER ROLL UP SLOPE TO PREVENT RUNOFF FROM GOING AROUND THE ROLL.
- IF MORE THAN ONE FIBER ROLL IS PLACED IN A ROW, THE ROLLS SHALL BE OVERLAPPED A MINIMUM OF 12".
- SEDIMENT SHALL BE REMOVED WHEN SEDIMENT ACCUMULATION REACHES ONE-HALF OF THE EXPOSED HEIGHT OF THE FIBER ROLL.



D FIBER ROLLS  
N.T.S.

REVISION

DATE

DESCRIPTION

10/14/22

REPLACES SHEET 2 WITH CHANGES

10/22/22

REPLACES SHEET 2 WITH CHANGES

STORMWATER AND GRADING PLAN

LAWSON TATE

TATE SHOPS

PONDERAY, IDAHO

811

Know what's below.  
Call before you dig.

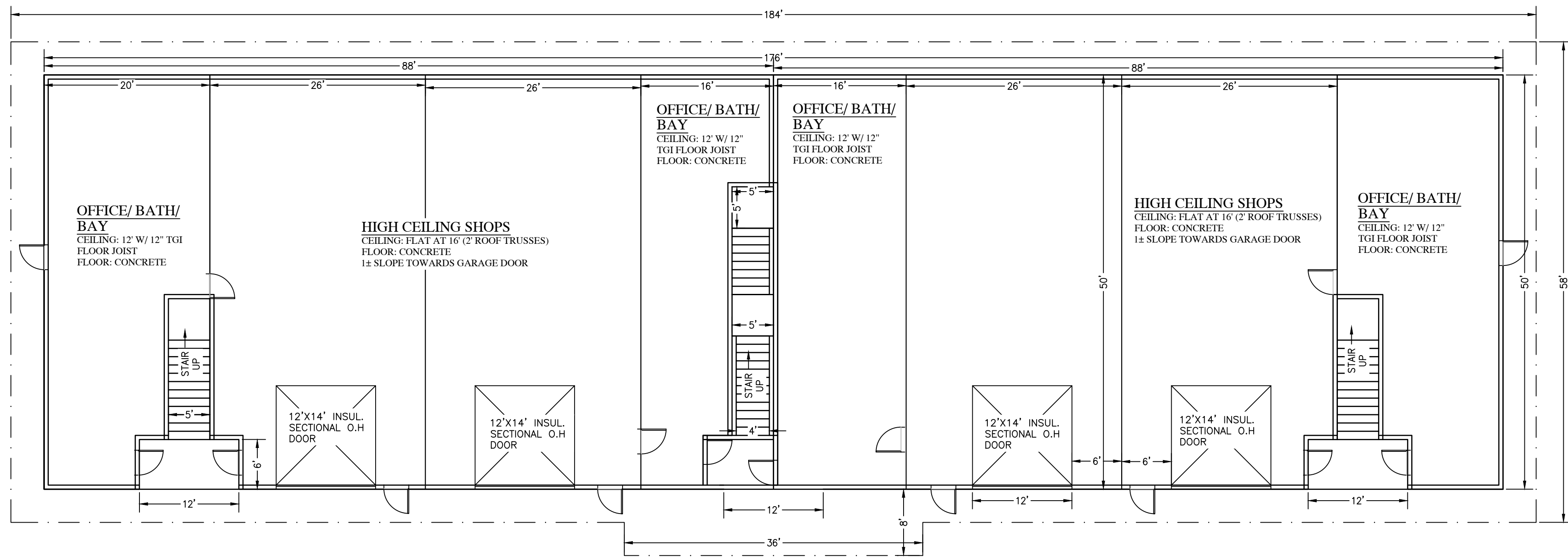
ENGINEERING

414 CHURCH STREET, SUITE 205  
SANITARY, IDAHO 83404  
(208) 263-1962  
info@tateengineering.com

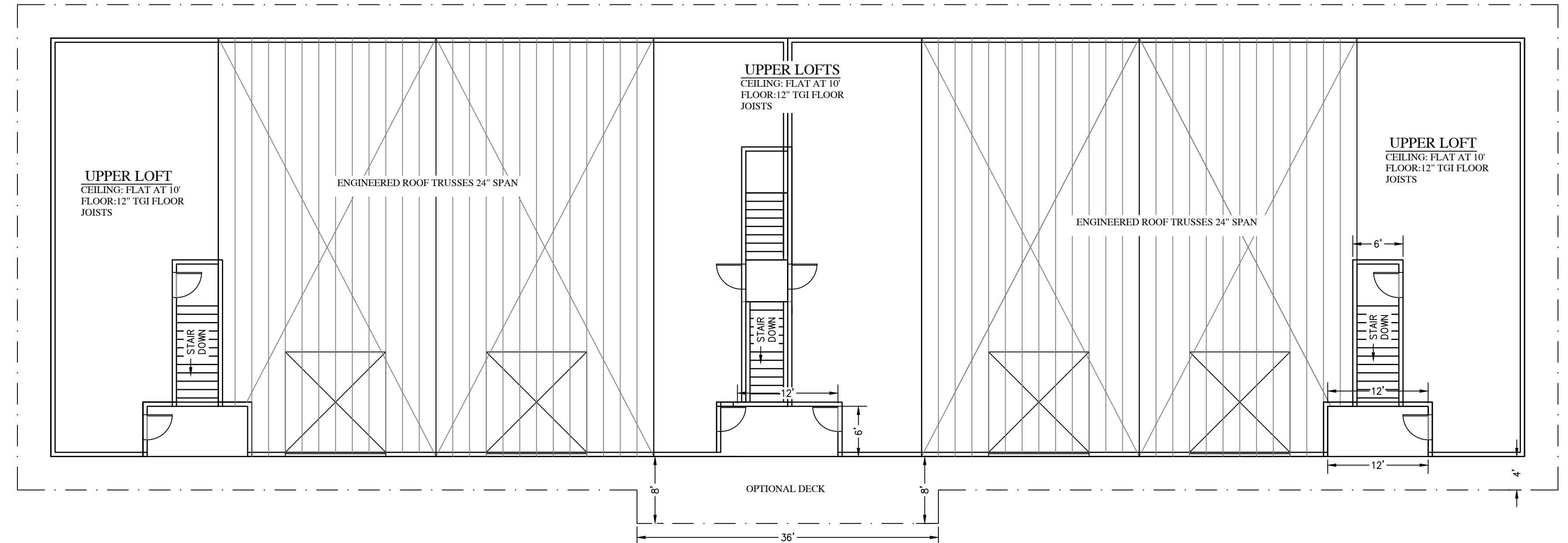
PROFESSIONAL ENGINEER  
REGISTERED  
DATE OF IDAHO  
10/08/2016  
DANIEL W. LARSON

PROJECT NO. 21105  
DRAWN BY: ICE/DWL  
CHECKED BY: DWL  
SCALE: 1"=20'  
(VALID FOR 24"X36" OR 22"X34")  
SHEET 2A OF 4

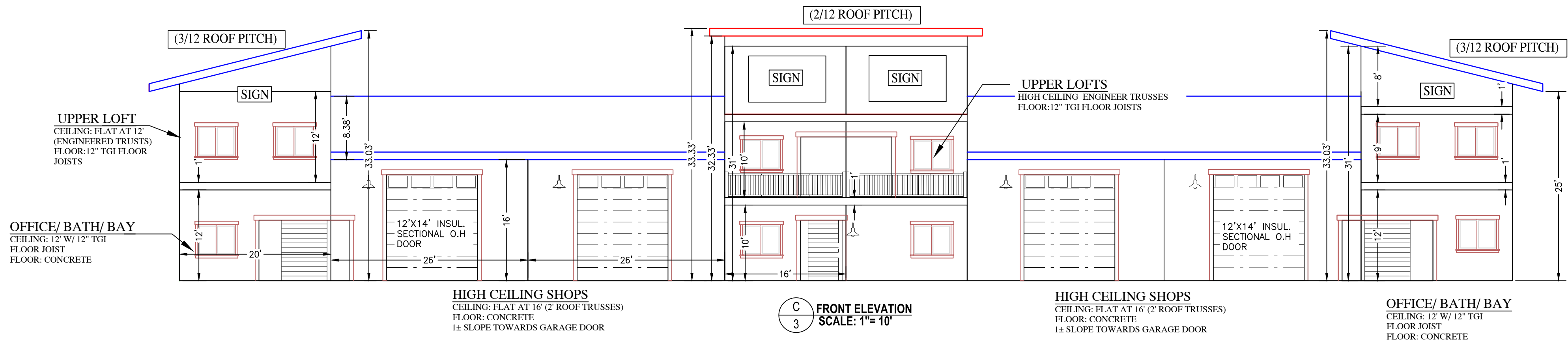




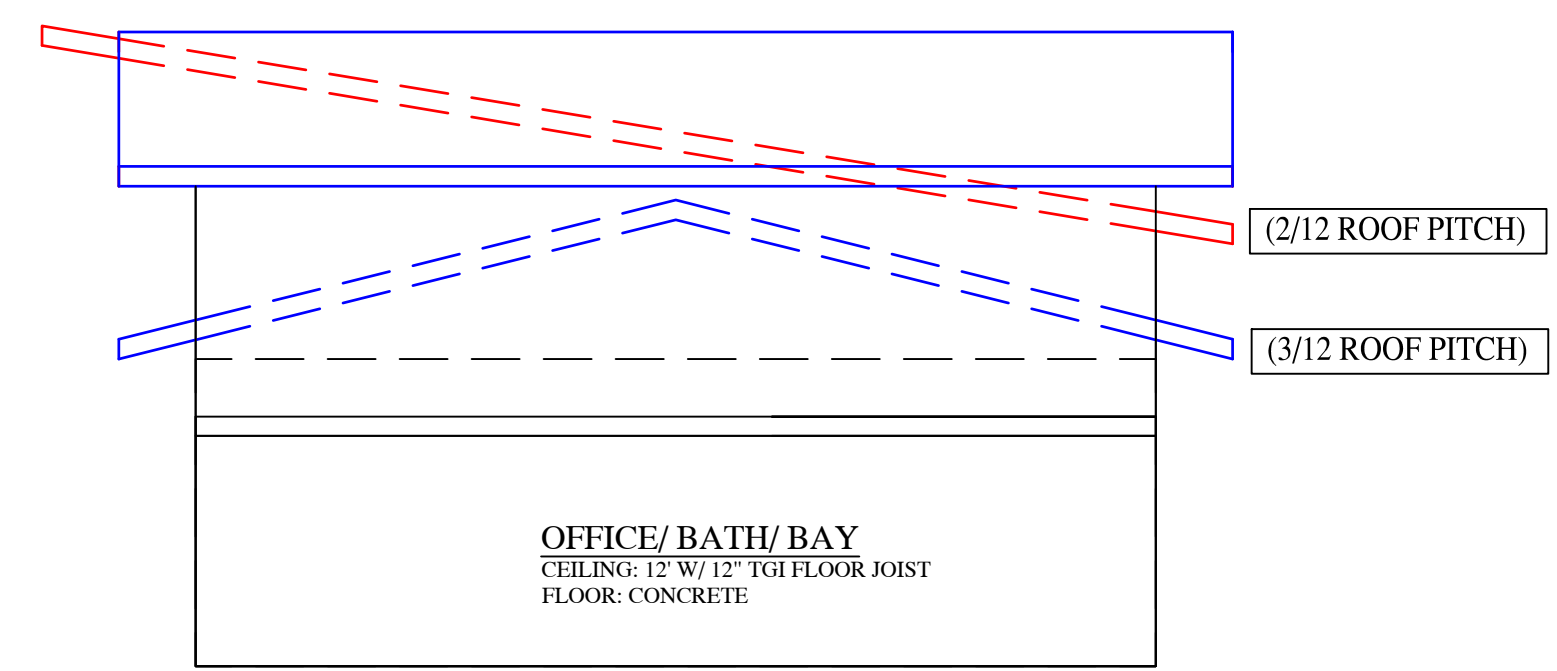
A  
3  
GROUND FLOOR PLAN  
SCALE: 1"= 10'



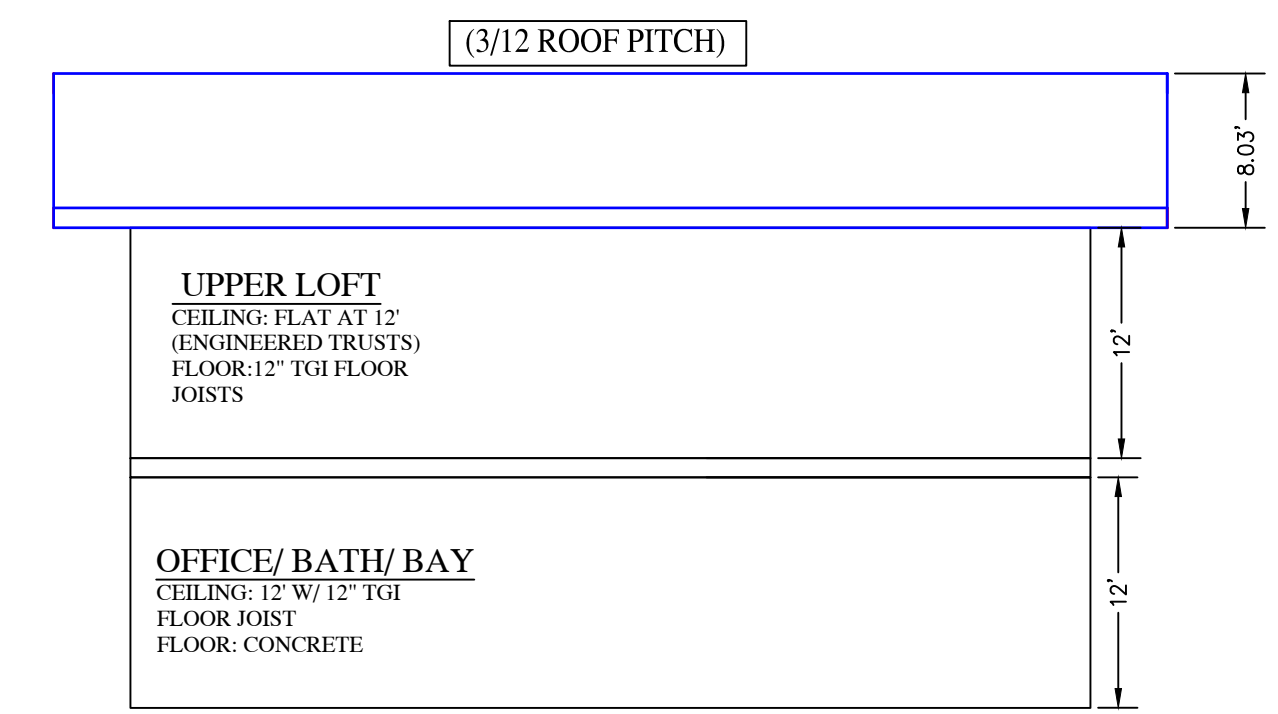
B  
3  
SECOND FLOOR PLAN  
SCALE: 1"= 10'



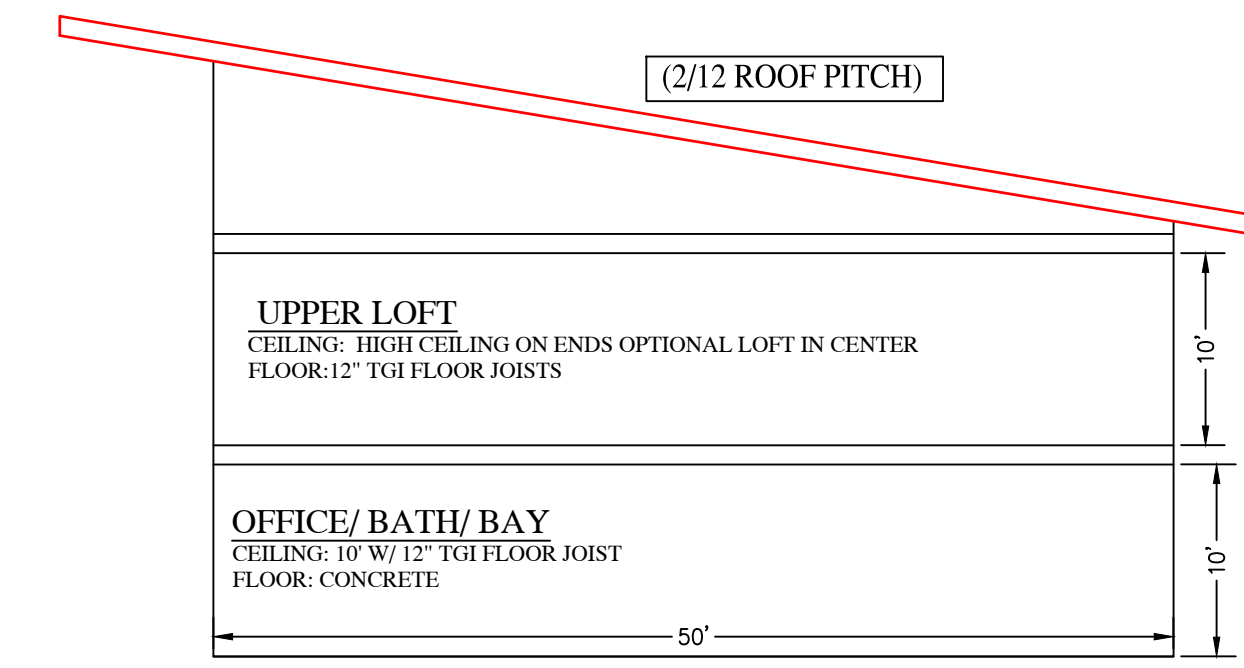
C  
3  
FRONT ELEVATION  
SCALE: 1"= 10'



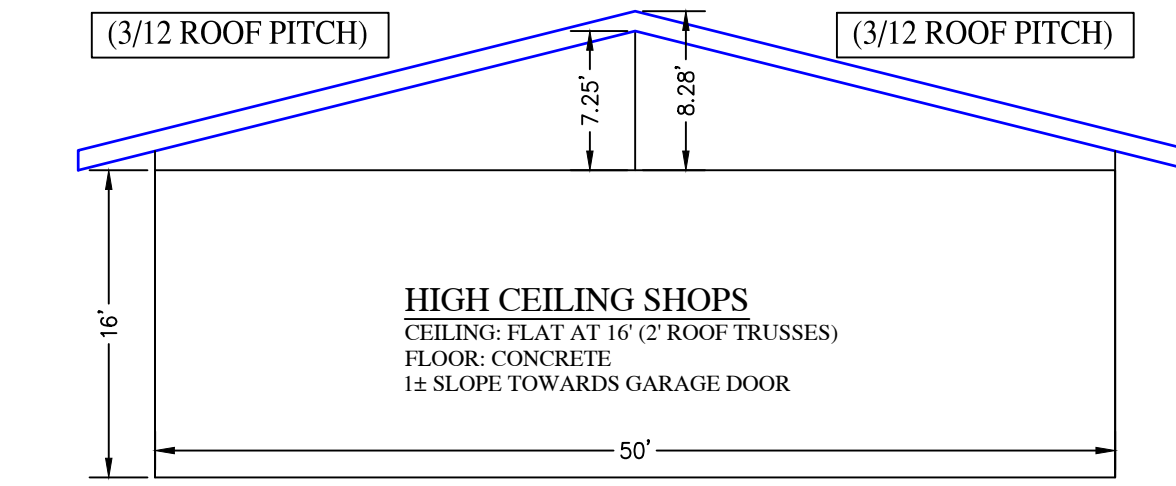
D  
3  
SIDE ELEVATION ( FACING NORTH)  
SCALE: 1"= 10'



E  
3  
SIDE ELEVATION ( OFFICE/ LOFT)  
SCALE: 1"= 10'



F  
3  
SIDE ELEVATION ( MIDDLE OFFICE/ LOFT)  
SCALE: 1"= 10'



G  
3  
SIDE ELEVATION (SHOP)  
SCALE: 1"= 10'

- EXTERIOR ELEVATION MATERIALS:
1. EXTERIOR WALL TO BE 2X6 OR 2X8 STUDS @ 16" O.C. ( TO BE DETERMINED BY STRUCTURAL ENGINEER OR APPROVED EQUAL.
  2. SIDING SHALL BE (METAL) OR SPECIFIED BY OWNER TYVEK BUILDING WRAP OVER 7/16" SHEATHING NAILED SHEARWALL W/ SD @ 6" O.C. EDGES AND 10" O.C FIELD TYP.
  3. ALL EXTERIOR WINDOWS, DOORS AND CORNER TRIM TO BE C- METAL OR OTHER MATERIAL SPECIFIED BY OWNER .
  4. ALL ROOF SLOPE ARE 2"12" PITCH WITH OVERHANGS AS SPECIFIED.
  5. SOFFIT AND SOFFIT VENTING AND ATTIC VENTILATION SHALL BE SPECIFIED BY BUILDER.
  6. BUILDER SHALL PERFORM FLASHING AS REQUIRED FOR ALL VALLEYS, GABLE ENDS, SOFFIT FACES, UNDERLAYMENT FOR THE ENTIRE ROOF SHALL BE CLASS A FIRE RESISTIVE.
  7. ATTIC AND EXTERIOR WALL INSULATION TO BE SPECIFIED BY BUILDER.
  8. ALL WINDOWS TO BE VINYL DUAL GLAZED, VERIFY MAKE & GRADE WITH BUILDER.
  9. AT PERIMETER OF STRUCTURE ALL EARTH SHALL SLOPE AWAY FORM STRUCTURE AT RATE 1/4" PER FOOT FOR THE FIRST 10'-0" MINIMUM FOR PROPER DRAINAGE.

SPECIAL NOTE  
7B ENGINEERING IS AN ENVIRONMENTAL & CIVIL ENGINEERING FIRM NOT AN ARCHITECTURAL OR STRUCTURAL ENGINEERING FIRM. 7B SHALL NOT BE LIABLE FOR STRUCTURAL OR ARCHITECTURAL DESIGN INTEGRITY. IF ANY ERROR OR OMISSION DOES OCCUR, IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND/OR THE OWNER.

REVISION	DATE	DESCRIPTION
1	10/25/22	13/29/22 REPLACES SHEET 3 WITH CHANGES
PRELIMINARY BUILDING FLOOR AND ELEVATION PLANS		
LAWSON TATE		
TATE SHOPS POWELL, IDAHO		
811 Know what's below. Call before you dig.		
7B ENGINEERING 414 CHURCH STREET, SUITE 205 SANITARY, IDAHO 83404 PH: 208.283.0823 info@7BEngineering.com		
PROJECT NO: 21105 DRAWN BY: JCL CHECKED BY: DML SCALE: 1"= 20' (VALS FOR 24'x36" OR 22'x34") SHEET 3A OF 4		



