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83814 ITD D-1 Labratory 600 W. Prairie Ave Coeur d'Alene, Idaho 8

Plan and I Phase 1 3.7.2024 Site <u>ra</u>

# 600 W. PRAIRIE AVE COEUR D'ALENE, IDAHO

ACP	ASPHALT CONCRETE PAVEMENT	FT(')	FOOT (FEET)	STORM PIPE -	—	SD <del></del>	
ADD'L	ADDITIONAL	FTG	FOOTING	NEW & EXISTING CATCH BASINS	]	C.E	3,
AD	AREA DRAIN	G	GAS MAIN	NEW & EXISTING DRYWELLS	- DW	ODW	
ADJ	ADJACENT	GB GM	GRADE BREAK GAS METER	_S	DMH	SDM	
ANSI	AMERICAN NATIONAL	GRD	GRADE	STORM MANHOLE			
	STANDARDS INSTITUTE	GV	GATE VALVE	SANITARY SEWER PIPE		s <del>) _</del>	
APPROX.	APPROXIMATE(LY)	НВ	HOSE BIB	SANITARY SEWER MANHOLE	SMH	SSMF	1
ARCH	ARCHITECT(URAL)	HDPE	HIGH DENSITY POLYETHYLENE	WATER MAINS —— W — –		- w — — -	
ASSY	ASSEMBLY	HORIZ(H) HT	HORIZONTAL HEIGHT	FIRE HYDRANTS (NEW AND EXISTING) AND FDC	<b>●</b> FH ,	FH	
BLDG	BUILDING	HYD	HYDRANT	_			
ВМ	BENCHMARK	ID	INSIDE DIAMETER				
BNDRY	BOUNDARY	I.E.	INVERT ELEVATION		,		
BOW	BOTTOM OF WALL	IN ( " ) INV	INCH(ES) INVERT	FITTINGS WITH THRUST BLOCKS  TEE 90		<b>X X</b>	f 11.2
	(AT FINISHED GRADE)	IRR	IRRIGATION WATER	TEE 90 SURFACE WTR AND PIPE DIRECTION FLOW		45° 22.	5° 11.2
BVC	BEGINNING OF VERTICAL CURVE	LB	POUND(S)		→ OF	<b>~</b>	<del></del>
CTV	CABLE TV	LCPE	LINED CORRUGATED POLYETHYLENE PIPE	EXISTING CONTOUR LABELS		457)— — —	_
C&G	CURB AND GUTTER	LF	LINEAR FEET	PROPOSED CONTOUR LABELS ——	~ 4	57	
СВ	CATCH BASIN	MAT'L	MATERIAL	EXISTING SURFACE ELEVATIONS  (X) (F.S.)	XX.XX) S.	(XXX.XX) /(XXX.XX	
CC	CURB CUT	MAX	MAXIMUM	,		/	
CD	CONCRETE DRIVE	MFR	MANUFACTURER	FINISHED SURFACE ELEVATIONS	<u>(X.XX</u> S.	XXX.XX 1 XXX.XX F	<u>:C.</u> :S.
CF	CUBIC FEET (FOOT)	MH MJ	MANHOLE MECHANICAL JOINT	NEW EASEMENT ——————			
Cl	CAST IRON	MIN.	MINIMUM	NEW ENGLISH			
		MISC.	MISCELLANEOUS	NEW DITCH ————————————————————————————————————		— >	
CJ	CONSTRUCTION JOINT	N	NORTH(ING)	TRAFFIC APPOWE	4	_	<b>A</b>
CL	CLASS	NO (#) OC	NUMBER ON CENTER	TRAFFIC ARROWS	7	<b>.</b>	ナヤ
CL	CENTER LINE	0/W	OIL WATER	TOW			
CMP	CORRUGATED METAL PIPE	P	POWER	TOP OF WALL/BOTTOM OF WALL  TOW XXX.XX XXX.XX BOW			
CONC.	CONCRETE	PC	POINT OF CURVATURE	BOW			
CONST.	CONSTRUCTION	PIV PP	POST INDICATOR VALVE POWER POLE	SLOPE INDICATORS 3:1 2:1			
CPEP	CORRUGATED POLYETHYLENE PIPE	PL	PROPERTY LINE	SLOPE INDICATORS 3:1 2:1			
CTR	CENTER(ED)	PSF	POUNDS PER SQUARE FOOT	RIP RAP			
CY	CUBIC YARD	PSI	POUNDS PER SQUARE INCH				
DCVA	DOUBLE CHECK VALVE ASSEMBLY	PT PVC	POINT OF TANGENCY POLYVINYL CHLORIDE	FILTER FABRIC FENCING — • • •			
DDCV	DOUBLE DETECTOR CHECK VALVE	PVI	POINT OF VERTICAL INFLECTION	FOOTING PRAINS			
DEPT.	DEPARTMENT	QTY.	QUANTITY	FOOTING DRAINS ——————			
DET	DETAIL	RAD (R)	RADIUS	DOWNSPOUTS DS			
D.I.	DUCTILE IRON	RCP RD	REINFORCED CONCRETE PIPE ROAD	CLEANOUTS (C.O.) SS, ANDCOCO			
DIA (ø)	DIAMETER	REF	REFERENCE	RWL (NEW AND EXISTING)			
DIM (P)	DIMENSION	REQD.	REQUIRED	INTERCEPTOR AND BIO-SWALES	$\rightarrow$		
		RET	RETAINING	CEMENT CONCRETE			
DS	DOWN SPOUT	ROW SD	RIGHT OF WAY STORM DRAIN				
DWG	DRAWING	S.F.	SQUARE FEET	COORDINATES, & LEADERS  N 1000.00 E 5000.00			
E	EAST(ING)	SHT	SHEET	,			
EC	ELECTRICAL CONDUIT	SIM	SIMILAR	STUBBED & PLUGGED LINE ————			
ECC	EXTRUDED CONCRETE CURB	SPEC SQ	SPECIFICATION(S) SQUARE	CONCRETE CURB ————————————————————————————————————	_		
EL.=	ELEVATION	SS	SANITARY SEWER	CONCRETE CURB & GUTTER =======	==		
EOP	EDGE OF PAVEMENT	STA	STATION	NEW ASPHALT/CONCRETE			
EQUIV.	EQUIVALENT	STD	STANDARD	PAVEMENT			
EVC	END OF VERTICAL CURVE	TOE T	TOE OF WALL, OR SLOPE TELEPHONE WIRE	CURB INLET/UNDER			
EXIST.	EXISTING	TBM	TEMPORARY BENCH MARK	SIDEWALK INLET			
FD	FLOOR DRAIN	T.C.	TOP OF CURB	DRAINAGE SWALE			
FDC	FIRE DEPARTMENT CONNECTION		TOP OF GRATE				
FDN	FOUNDATION	TEMP. TOP	TEMPORARY TOP OF SLOPE	RETAINING WALL			

TOP OF SLOPE

TOP OF WALL

TYPICAL

VERTICAL

WEIGHT

VERT (V)

TELEVISION WIRE

VERTICAL CURVE

WATER METER

YARD DRAIN

WELDED WIRE FABRIC

STRAW BALE

ROCK CHECK DAM

FIRE HYDRANT

FACE OF CURB

FINISHED SURFACE

**FLANGED** 

FINISH FLOOR ELEVATION

#### **GENERAL CONSTRUCTION NOTES:**

1. ALL WORK SHALL CONFORM TO THE IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION", (ISPWC) CURRENT EDITION, AND THE IDAHO TRANSPORTATION DEPARTMENT (ITD) STANDARD DRAWINGS AND SPECIFICATIONS. IN THE CASE OF CONFLICT, THE MOST STRINGENT STANDARD SHALL APPLY.

2. NO REVISIONS SHALL BE MADE TO THESE PLANS WITHOUT THE APPROVAL OF THE ITD ENGINEER. ALL PROPOSED REVISIONS SHALL BE SUBMITTED BY THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL.

3. NO REVISIONS SHALL BE MADE TO THE ITD STANDARD DRAWINGS OR NOTES WITHOUT WRITTEN APPROVAL OF THE ITD ENGINEER. REVISIONS OF ITD STANDARD DRAWINGS SHALL BE CLEARLY IDENTIFIED UPON THE APPROVED DRAWINGS; REVISIONS OR ADDITIONS TO STANDARD NOTES SHALL BE PROVIDED ONLY WITHIN THE SUPPLEMENTAL NOTES.

4. ALL SAFETY STANDARDS AND REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND COMPLIED WITH AS SET FORTH BY OSHA.

5. EXISTING UTILITIES SHALL BE LOCATED BY CONTACTING CALL BEFORE YOU DIG AT 811. AT LEAST 48 HOURS PRIOR TO STARTING ANY EXCAVATIONS. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY COMPANIES PRIOR TO STARTING WORK NEAR ANY FACILITIES AND SHALL COORDINATE THEIR WORK WITH COMPANY REPRESENTATIVES.

6. WORK SHALL NOT BEGIN UNTIL A PERMIT AND NOTICE TO PROCEED IS ISSUED BY THE ITD

7. THE CONTRACTOR SHALL NOTIFY THE ITD ENGINEERING INSPECTOR AT LEAST 48 HOURS PRIOR TO STARTING WORK OR PROCEEDING WITH NEW PHASES OF CONSTRUCTION. ALL INSPECTIONS SHALL BE SCHEDULED WITH A MINIMUM 24-HOUR NOTICE PRIOR

8. AN APPROVED SET OF IMPROVEMENT PLANS SHALL BE KEPT ON THE JOB SITE AT ALL TIMES.

9. THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS, AND ALL OTHER PUBLIC RIGHTS-OF-WAY IN A CLEAN, SAFE AND USEABLE CONDITION. ALL SOIL, ROCK, OR CONSTRUCTION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION, AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY; PRIVATE OR PUBLIC, SHALL BE MAINTAINED IN A CLEAN, SAFE AND USEABLE CONDITION.

10. EXISTING PROPERTY CORNERS OR SURVEY MONUMENTS SHALL BE PROTECTED DURING THE COURSE OF CONSTRUCTION. ANY DAMAGED OR OBLITERATED CORNERS OR MONUMENTS SHALL BE RE-ESTABLISHED BY PROFESSIONAL SURVEYORS, LICENSED TO WORK IN THE STATE OF IDAHO, PRIOR TO FINAL ACCEPTANCE.

11. TREES NOT IDENTIFIED FOR REMOVAL SHALL BE PRESERVED OR PROTECTED IN AN APPROVED MANOR PRIOR TO COMMENCEMENT OF GRADING OPERATIONS.

12. THE ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF EROSION AND SEDIMENTATION CONTROL MEASURES PRIOR TO THE START OF CONSTRUCTION, AND AS NECESSARY DURING THE COURSE OF THE PROJECT. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THESE PLANS, AND THE "CATALOG OF STORM WATER BEST MANAGEMENT PRACTICES FOR IDAHO CITIES AND COUNTIES" AS PREPARED BY THE IDAHO DIVISION OF ENVIRONMENTAL QUALITY.

13. ALL PROJECTS HAVING THE POTENTIAL FOR RUNOFF DISCHARGE TO ANY SURFACE WATER BODY; SHALL FILE A NOTICE OF INTENT (NOI), WITH THE EPA. COPIES OF ANY REQUIRED STORM WATER POLLUTION PREVENTION PLANS (SWPPP) OR NOI SHALL BE PROVIDED TO THE ITD PRIOR TO START OF CONSTRUCTION.

14. ALL CONCRETE, UNLESS OTHERWISE SPECIFIED, SHALL BE COMMERCIAL GRADE PORTLAND CEMENT WITH AIR ENTRAINMENT (6.5% ±1.5%), AND A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3000 PSI.

15. ALL UNDERGROUND UTILITY LATERALS SHALL BE INSTALLED AND APPROVED BEFORE CONSTRUCTION OF CURBS, CROSS GUTTERS, SIDEWALKS OR THE SURFACING OF STREETS.

16. SURFACE RESTORATION OF ROADWAY CUTS SHALL COMPLY WITH THE ITD'S ROADWAY CUT POLICY. PERMANENT ROADWAY PATCHING SHALL BE PLACED WITHIN 7 DAYS OF THE INITIAL ROADWAY CUT. TEMPORARY PATCHING THAT UTILIZES A MINIMUM OF 2 INCHES OF ASPHALT CONCRETE (COLD MIX) SHALL BE PLACED WITHIN 24 HOURS OF THE INITIAL ROADWAY CUT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL TEMPORARY PATCHING AND SHALL WARRANT ALL PERMANENT PATCHING FOR A PERIOD OF 2.

17. ALL TRENCHES AND ROADWAY CUTS WITHIN PUBLIC EASEMENTS OR RIGHTS-OF-WAY SHALL BE COMPACTED IN ACCORDANCE WITH SD 301. COMPACTION TEST RESULTS SHALL BE CERTIFIED BY THE ENGINEER OF RECORD AND SUBMITTED TO THE ITD ENGINEER FOR APPROVAL PRIOR TO ANY PAVING AND FINAL ACCEPTANCE OF WORK.

18. ALL OPERATIONS CONDUCTED ON THE PREMISES SHALL BE RESTRICTED TO THE HOURS BETWEEN 6:00 A.M. AND 10:00 P.M., UNLESS OTHERWISE APPROVED BY THE ITD. THIS INCLUDES THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS. EARTHMOVING EQUIPMENT. CONSTRUCTION EQUIPMENT OR ANY OTHER ASSOCIATED EQUIPMENT.

19. ALL IMPROVEMENTS SHALL BE JOINED OR MATCHED IN A MANNER SATISFACTORY TO THE ITD ENGINEER. THIS INCLUDES ALL UTILITY CONNECTIONS AND NECESSARY SAW CUTTING, REMOVAL, REPLACEMENT, EXTENSION, AND CAPPING ASSOCIATED WITH CURB AND GUTTER, SIDEWALKS, SWALES, ASPHALT, CONCRETE OR OTHER PAVING.

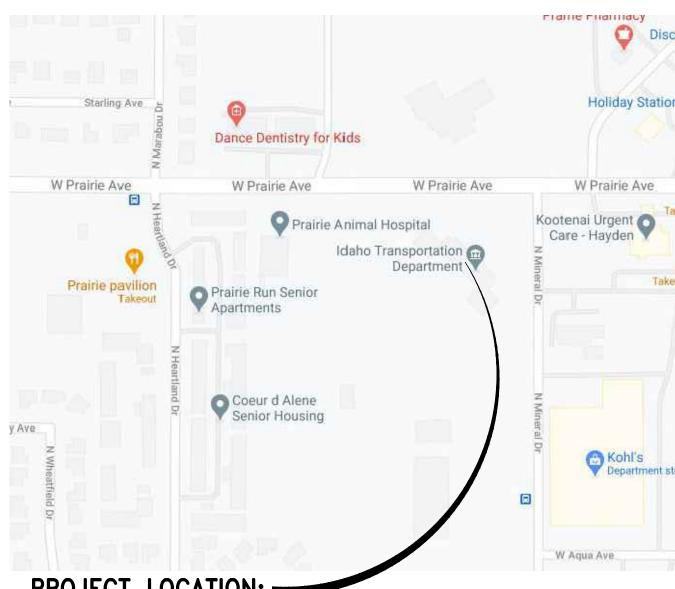
20. THE ENGINEER OF RECORD SHALL BE RESPONSIBLE FOR ALL PROJECT INSPECTIONS, INCLUDING MATERIALS TESTING AND QUALITY CONTROL. COPIES OF DAILY REPORTS AND TEST RESULTS SHALL BE MADE AVAILABLE TO THE ITD ENGINEER FOR REVIEW ON A WEEKLY BASIS, FAILURE TO PROVIDE REPORTS MAY RESULT IN SUSPENSION OF CONSTRUCTION. PROJECT CERTIFICATION AND AS-BUILT DRAWINGS SHALL BE SUBMITTED TO THE ITD ENGINEER PRIOR TO FINAL ACCEPTANCE AND IN CONFORMANCE WITH THE ITD'S ELECTRONIC SUBMITTAL STANDARDS.

21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL, IN ACCORDANCE WITH THE M.U.T.C.D., CURRENT EDITION. AT LEAST 48 HOURS PRIOR TO DISRUPTION OF ANY TRAFFIC, TRAFFIC CONTROL PLANS SHALL BE PREPARED AND SUBMITTED TO THE ITD ENGINEERING DIVISION FOR APPROVAL. NO WORK SHALL COMMENCE UNTIL A PERMIT IS ISSUED AND ALL APPROVED TRAFFIC CONTROL IS IN PLACE.

22. ALL LANDSCAPING MAINTAINED BY THE PROPERTY OWNERS ASSOCIATION SHALL HAVE AN IRRIGATION INSTALLED AND

23. ALL DISTURBED AREAS OF THE PUBLIC RIGHTS-OF-WAY SHALL BE TOP COATED WITH A MINIMUM OF 1 INCH OF TOPSOIL AND SEEDED WITH A DRY LAND MIX EQUIVALENT TO THE CITY'S STORM DRAINAGE STANDARDS.

24. ALL PAVING PROJECTS WILL NEED TO ADHERE TO THE ITD PAVEMENT CUT POLICY.



PROJECT LOCATION: 600 W. PRAIRIE AVE

## VICINITY MAP

NOT TO SCALE

**ARCHITECT:** 

MILLER STAUFFER ARCHITECTS

PHONE: (208) 820-3796

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PROJECT TEAM:

IDAHO TRANSPORTATION DEPARTMENT 600 W. PRAIRIE AVENUE

601 E. FRONT AVENUE COEUR D'ALENE, IDAHO 83815 COEUR D'ALENE, IDAHO 83814 CONTACT: MICHEAL WALKER PHONE: (208) 664-1773 **CIVIL ENGINEER:** 

**CONTRACTOR:** BATEMAN-HALL CONSTRUCTION DCI ENGINEERS 1405 FOOTE DRIVE 208 N. 4TH STREET IDAHO FALLS, ID 83402 COEUR D'ALENE, ID 83814 CONTACT: MALONE BULLOCK CONTACT: MATT GIBB. P.E.

**WATER:** 

CITY OF COEUR D'ALENE

COEUR D'ALENE, ID 83815

CONTACT: GARY NOLAN

PHONE: (208) 769-2298

WATER DEPARTMENT

3820 RAMSEY ROAD

### **UTILITY PURVEYORS:**

PHONE: (208) 523-2681

#### **SEWER:**

CITY OF COEUR D'ALENE WASTEWATER DEPARTMENT 765 WEST HUBBARD AVENUE COEUR D'ALENE, ID 83814 CONTACT: MIKE BECKER PHONE: (208) 769-2268

**TELEPHONE:** 

ZIPLY FIBER 2115 NORTH GOVERNMENT WAY COEUR D'ALENE, ID 83814 PHONE: (208) 664-7111

### **POWER/GAS:**

AVISTA UTILITIES 1735 NORTH 15TH STREET COEUR D'ALENE, ID 83814 CONTACT: JASON STIPPICH PHONE: (509) 435-6480

#### FIRE:

COEUR D'ALENE FIRE DEPARTMENT 300 EAST FOSTER AVENUE COEUR D'ALENE, ID 83814 CONTACT: BOBBY GONDER PHONE: (208) 769-2340

OUEET WIDEV								
SHEET INDEX								
HEET #	SHEET TITLE							
.0	GENERAL CIVIL INFORMATION							
.1	GENERAL NOTES							
.0	EXISTING SITE CONDITIONS							
.1	EROSION CONTROL PLAN							
.2	CIVIL SITE PLAN							
.3	GRADING PLAN							
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.5	UTILITY PLAN							
.0	DETAILS							
.1	DETAILS							

## FOR PERMIT

THESE DRAWINGS ARE SUFFICIENTLY COMPLETE FOR SUBMISSION TO THE JURISDICTION HAVING AUTHORITY FOR PERMIT. THE CONTRACTOR SHALL NOT USE THESE DRAWINGS FOR CONSTRUCTION UNTIL THE CONTRACTOR RECEIVES WRITTEN APPROVAL FOR USE IN CONSTRUCTION BY THE JURISDICTION HAVING AUTHORITY AND DCI ENGINEERS.

#### CONTRACTOR NOTE

ALL EXISTING UTILITIES SHOWN ON PLANS ARE TO BE VERIFIED HORIZONTALLY AND VERTICALLY PRIOR TO ANY CONSTRUCTION. ALL EXISTING FEATURES INCLUDING BURIED UTILITIES ARE SHOWN AS INDICATED ON RECORD MAPS AND SURVEYS FURNISHED BY OTHERS. WE ASSUME NO LIABILITY FOR THE ACCURACY OF THOSE RECORDS AND SURVEYS. CONTACT THE UTILITY OWNER/AGENCY FOR THE FINAL LOCATION OF EXISTING UTILITIES IN AREAS CRITICAL TO CONSTRUCTION.



± 60 €

2. APPROVAL OF THE ESC PLAN DOES NOT CONSTITUTE APPROVAL OF ANY OF THE PROPOSED ROAD. STORM WATER, GRADING OR UTILITY DESIGN ELEMENTS SHOWN ON THE ESC PLAN.

3. THE EROSION/SEDIMENTATION CONTROL MEASURES SHOWN ARE THE MINIMUM REQUIREMENTS OF THE ANTICIPATED SITE CONDITIONS. THE CONTRACTOR SHALL INSPECT AND MAINTAIN THESE ESC MEASURES DAILY, AND SHALL MAINTAIN AND UPGRADE THESE MEASURES AS NECESSARY TO PREVENT SEDIMENT-LADEN WATER FROM EITHER FLOWING OFF-SITE, OR INTO NEW/EXISTING STORM WATER FACILITIES, SUCH AS DRYWELLS, CULVERTS, OR GRAVEL GALLERIES.

4. CONTRACTOR IS RESPONSIBLE FOR INSTALLING A ROCK CONSTRUCTION ENTRANCE AT ANY AND ALL LOCATIONS USED TO ENTER OR EXIT THE PROJECT SITE TO PREVENT SEDIMENTS FROM BEING TRACKED OFF THE SITE BY CONSTRUCTION TRAFFIC. SEE DETAIL 1/C5.1.

5. ANY DISTURBED AREAS, EXCEPT FOR POND BOTTOMS AND SLOPES, THAT WILL BE LEFT BARE FOR MORE THAN 7 DAYS AND ARE NOT INTENDED TO BE REWORKED WITHIN 30-45 DAYS, SHALL BE SEEDED WITH A FAST STARTING NATIVE DRYLAND GRASS SUCH AS ANNUAL RYE, OR APPROVED EQUAL, AT A RATE OF 60 LBS./ACRE.

6. GRADED POND AREAS, THAT WILL BE LEFT BARE FOR MORE THAN 7 DAYS, SHALL HAVE A MULCH APPLIED AT A RATE OF TWO THOUSAND (2,000) POUNDS PER ACRE. MULCH SHALL BE A VIRGIN WOOD CELLULOSE FIBER SPECIALLY PROCESSED AS A HYDROSEEDING MULCH AND CONTAIN NO GROWTH OR GERMINATION INHIBITING FACTORS. IF POND CONSTRUCTION HAS BEEN COMPLETED, INCLUDING DRAINAGE STRUCTURES, AND HAVE RECEIVED FINAL INSPECTION APPROVAL, THEY SHALL BE SODDED.

7. DUST CONTROL: AN APPROVED METHOD OF DUST CONTROL, MEETING THE REQUIREMENTS OF LOCAL REGULATIONS. SHALL BE UTILIZED DURING CONSTRUCTION OF THIS PROJECT.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MATERIALS THAT SPILL ONTO LOCAL STREETS DURING THE TRANSPORTATION OF EQUIPMENT. SHOULD A SPILL OCCUR, THE CONTRACTOR SHALL REMOVE THE MATERIAL BY THE END OF THE WORK DAY. NO MATERIAL SHALL BE ALLOWED TO SET, DRY, OR BE WASHED INTO ADJACENT STORM WATER FACILITIES.

9. GEOTEXTILE FABRIC SHALL BE PLACED ON THE RIMS OF ALL DRYWELLS, CATCH BASINS, AND INLETS UNTIL SUCH TIME AS THE VEGETATION ON THE SITE IS ESTABLISHED AND THE THREAT OF SEDIMENT DEPOSITION INTO THE DRAINAGE SYSTEM IS MITIGATED. DRAINAGE STRUCTURES LOCATED IN PAVEMENT CAN HAVE THE FILTER FABRIC REMOVED ONCE FINAL PAVEMENT HAS BEEN COMPLETED AND CLEANED.

10. THE CONTRACTOR SHALL PROTECT ALL CATCH BASINS, DRYWELLS, AND OTHER STORM WATER STRUCTURES FROM BEING CONTAMINATED WITH SILT BY INSTALLING FILTER FABRIC OVER THE METAL FRAME DURING CONSTRUCTION AND KEEPING IT IN PLACE UNTIL THE SITE/STREET HAS BEEN PAVED AND CLEANED.

11. ALL PONDS/SWALES SHALL BE SODDED AND IRRIGATED.

12. CONTRACTOR SHALL INSTALL FILTER FABRIC FENCE AS NEEDED ON-SITE TO PREVENT SEDIMENTS FROM LEAVING THE SITE.

**EROSION CONTROL MAINTENANCE NOTES:** 

1. SEDIMENT BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL PRODUCING RUNOFF AND AT LEAST DAILY DURING PROLONGED RAINFALL OF 24 CONTINUOUS HOURS OR 48 HOURS IN ANY ONE WEEK.

2. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BARRIERS SHALL BE ACCOMPLISHED PROMPTLY.

3. SEDIMENT MUST BE REMOVED WHEN IT REACHES A HEIGHT OF 6 INCHES UP THE BASE OF THE FILTER FABRIC BARRIER, THE DEPTH OF THE CUTOFF DITCH, OR THE SEDIMENT POND. ALL EROSION CONTROL SHALL BE CHECKED AFTER ANY RAIN STORM.

4. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE ESC STRUCTURE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED, AND HYDRO/HAND SEEDED OR SODDED.

5. ALL TEMPORARY AND PERMANENT ESC PRACTICES SHALL BE MAINTAINED AND PREPARED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.

6. ALL TEMPORARY ESC MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY BMP'S ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON-SITE, DISTURBED SOIL AREAS RESULTING FROM REMOVAL WITHOUT PERMISSION OF THE ENGINEER OR INSPECTOR THAT RESULTS IN CONTAMINATION OF THE DRYWELLS SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO REMEDY. REMEDY MAY ENTAIL DRYWELL CLEANING OR REMOVAL AND RECONSTRUCTION.

7. ROADWAYS ADJACENT TO THE CONSTRUCTION SITE SHALL BE INSPECTED DAILY. CLEANING IS REQUIRED IF SEDIMENT HAS BEEN TRACKED OFF-SITE AND/OR BEYOND THE ROADWAY APPROACH.

8. STREET WASHING IS REQUIRED TO CLEAN SEDIMENT TRACKED OFF-SITE. STREET WASH WASTEWATER SHALL BE CONTROLLED BY PUMPING BACK ON-SITE OR OTHERWISE PREVENTED FROM DISCHARGING INTO A STORM SYSTEM, IF NECESSARY, SEDIMENT SHALL BE REMOVED BY SHOVELING OR PICKUP SWEEPING PRIOR TO STREET WASHING.

9. CONSTRUCT STORM WATER CONTROL FACILITIES (STORAGE PONDS, SWALES, ETC.) BEFORE GRADING BEGINS. THESE FACILITIES SHALL BE OPERATIONAL BEFORE THE CONSTRUCTION OF IMPERVIOUS SITE IMPROVEMENTS.

10. STOCKPILE MATERIALS SUCH AS TOPSOIL ON SITE, KEEPING OFF OF ROADWAY AND SIDEWALKS.

11. COVER, CONTAIN, AND PROTECT ALL CHEMICALS, LIQUID PRODUCTS, PETROLEUM PRODUCTS, AND NON-INERT WASTES PRESENT ON-SITE FROM VANDALISM. USE SECONDARY CONTAINMENT FOR ONSITE FUELING TANKS.

12. CONDUCT MAINTENANCE AND REPAIR OF HEAVY EQUIPMENT AND VEHICLES INVOLVING OIL CHANGES, HYDRAULIC SYSTEM REPAIRS, SOLVENT AND DE-GREASING OPERATIONS, FUEL TANK DRAIN DOWN AND REMOVAL, AND OTHER ACTIVITIES THAT MAY RESULT IN DISCHARGE OR SPILLAGE OF POLLUTANTS TO THE GROUND OR INTO STORM WATER RUNOFF USING SPILL PREVENTION MEASURES, SUCH AS DRIP PANS. CLEAN ALL CONTAMINATED SURFACES IMMEDIATELY FOLLOWING ANY DISCHARGE OR SPILL INCIDENT. IF RAINING OVER EQUIPMENT OR VEHICLE, PERFORM EMERGENCY REPAIRS ON SITE USING TEMPORARY PLASTIC BENEATH THE VEHICLE.

13. THE CONTRACTOR IS REQUIRED TO KEEP AN UPDATED COPY OF THE TESC PLAN ON-SITE.

14. THE CONTRACTOR IS RESPONSIBLE FOR DESIGNATING A LOCATION WHERE CONCRETE TRUCK AND EQUIPMENT CAN BE WASHED OUT. THIS AREA SHALL NOT BE LOCATED NEAR OR DRAINING INTO A STORM DRAINAGE AREA, TREATMENT AREA, OR FACILITY.

#### **PAVING NOTES:**

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE ITD STANDARD DRAWINGS AND SPECIFICATIONS (LATEST EDITION) AND THE IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION).

2. CONTRACTOR SHALL CONTACT ALL APPROPRIATE UTILITY COMPANIES AND THE ITD TO OBTAIN NECESSARY LOCATES 48 HOURS BEFORE CONSTRUCTION BEGINS.

3. NO VARIANCE FROM THE SPECIFICATIONS AND NOTES SHALL BE ACCEPTED WITHOUT PRIOR WRITTEN APPROVAL FROM THE ITD AND/OR THE ENGINEER

4. ALL EXISTING PAVEMENT SHALL BE REMOVED IN THE SECTIONS REQUIRING REMOVAL AND REPLACEMENT. THE EXISTING BASE COURSE MATERIALS IN THESE SECTIONS SHALL BE COMPACTED TO A MINIMUM OF 95% OF MODIFIED PROCTOR DRY DENSITY @ +/-95% OF THE OPTIMUM MOISTURE CONTENT. ALL COMPACTION SHALL BE DONE IN ACCORDANCE WITH ASTM D-1557. THE NEW PAVEMENT SHALL BE REPLACED TO A DEPTH OF THE PAVEMENT DETAIL SHOWN ON THESE PLANS.

5. ASPHALT/CONCRETE PAVING SHALL CONFORM TO IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION. ON-SITE ASPHALT PAVED AREAS SHALL BE A MINIMUM OF 3 INCHES OF ASPHALT/CONCRETE PAVEMENT PLACED OVER A MINIMUM OF 6 INCHES OF FREE-DRAINING, COMPACT, GRANULAR BASE MATERIAL.

6. ALL AREAS TO BE PAVED SHALL BE CLEARED OF ALL GRASS, ROOTS, TRASH, METAL AND ORGANIC MATERIALS DOWN TO FULL DEPTH BELOW THE PAVING MAT. THE EXPOSED SURFACE SHOULD THEN BE PROOF ROLLED TO 95% OF MAXIMUM COMPACTION AS DETERMINED BY ASTM D-1557 USING A MECHANICAL VIBRATORY COMPACTOR. ANY BACK FILL MATERIAL SHOULD BE SIMILARLY COMPACTED.

7. BEFORE PLACING THE BASE MATERIAL, THE SURFACE OF THE SUBGRADE SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557. THE GRANULAR BASE MATERIAL SHALL BE PLACED IN LAYERS NOT EXCEEDING 3 INCHES IN THICKNESS AND COMPACTED TO 95% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557.

8. BITUMINOUS TACK COAT SHALL BE APPLIED BETWEEN ASPHALT PAVING LIFTS AND SHALL BE USED PRIOR TO OVERLAY, (CSS-1H), 50:50 DILUTION, 0.05 GAL/SY TO 0.15 GAL/SY OR AS DIRECTED BY THE ENGINEER. ALL EDGES ABUTTING NEW PAVEMENT SHALL BE TACKED.

9. TESTS SHALL BE CONDUCTED AT 100 FOOT INTERVALS OR 1 PER 3000 SQUARE FEET FOR EACH LIFT OR AS DIRECTED BY THE ENGINEER. ALL TEST REPORTS SHALL BE SUBMITTED TO THE OWNER PRIOR TO PROOF ROLLS. SINGLE-AXLE 5-TON TRUCK PROOF ROLLS MONITORED BY THE OWNER'S INSPECTOR PRIOR TO PLACEMENT OF ROAD/PARKING LOT BASE AND ASPHALT ARE REQUIRED. CONCRETE AND ASPHALT TESTING SHALL BE AS DIRECTED BY THE OWNER'S INSPECTOR.

10. ALL VALVE AND MANHOLE COVERS SHALL BE ADJUSTED TO PAVEMENT GRADE DURING INITIAL CONSTRUCTION.

11. ALL PHASES OF WORK SHALL BE INSPECTED AND APPROVED BY THE ITD.

12. ALL TRAFFIC CONTROL, IF REQUIRED, SHALL CONFORM TO THE APPLICABLE REGULATIONS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

13. ALL THE OPERATIONS SHALL CONFORM TO THE APPLICABLE REGULATIONS SET FORTH BY ICC AND OSHA.

1. EXCAVATION AND EMBANKMENT SHALL BE IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF THE ITD STANDARD STANDARD SPECIFICATIONS (CURRENT EDITION). ALL COMPACTION OF SUBGRADES, ROCK, AND ASPHALT SHALL BE IN ACCORDANCE WITH THE ITD STANDARD SPECIFICATIONS (CURRENT EDITION).

2. ALL FINISHED GRADING ELEVATIONS SHALL MATCH EXISTING ELEVATIONS AT THE SITE'S BOUNDARY, EXCEPT AS SHOWN OTHERWISE ON THE GRADING PLAN. WHERE CONFLICTS EXIST, THE CONTRACTOR SHALL NOTIFY THE OWNER TO RESOLVE THE ISSUE PRIOR TO PROCEEDING.

3. NO QUANTITIES HAVE BEEN CALCULATED TO DETERMINE VOLUMES OF EXCAVATION AND EMBANKMENT ON THIS PROJECT. CONTRACTOR SHALL CALCULATE THEIR OWN EARTHWORK QUANTITIES.

4. Grading: all grading shall be limited to the areas identified in the grading plan and SHALL NOT INFRINGE ON ADJACENT OWNERSHIPS.

5. CUT SLOPES IN SOLID ROCK SHALL NOT EXCEED 1/2:1 (HORIZONTAL: VERTICAL), AND SOIL CUT SLOPES SHALL NOT EXCEED 2:1 (HORIZONTAL: VERTICAL), EXCEPT AS SHOWN OTHERWISE ON THE PLANS.

(HORIZONTAL: VERTICAL), EXCEPT AS SHOWN OTHERWISE ON THE PLANS. 7. ALL CURB AND GUTTER, STREET GRADES, SIDEWALK GRADES, AND ANY OTHER VERTICAL AND OR

6. FILL SLOPES ACROSS THE PROPERTY SHOULD BE DESIGNED FOR A MAXIMUM SLOPE OF 2:1

HORIZONTAL ALIGNMENT SHALL BE STAKED BY AN ENGINEERING OR SURVEYING FIRM CAPABLE OF PERFORMING SUCH WORK. 8. FORM AND SUBGRADE INSPECTION BY THE INSPECTOR IS REQUIRED BEFORE POURING THE CONCRETE.

9. TOP OF CURB (T.C.) IS 0.5' ABOVE ACP OR CCP UNLESS OTHERWISE NOTED.

TWENTY-FOUR HOURS NOTICE IS REQUIRED FOR FORM INSPECTION.

10. RIM ELEVATIONS OF UTILITY AND DRAINAGE STRUCTURES SHALL BE INSTALLED SO THAT RIM MAY BE ADJUSTED ±0.5 FEET TO MATCH FINISHED GRADE.

#### STORM WATER NOTES:

1. DRAINAGE PONDS SHALL BE CONSTRUCTED PER THE REQUIREMENTS OF THESE DRAWINGS INCLUDING GRADING, SOD OR SEED AS NOTED, AND DRYWELL INSTALLATION. NO BARK, GRAVEL OR CINDERS ARE ALLOWED IN SWALE. SEE LANDSCAPE PLANS FOR PLANTING DETAILS.

2. INSTALL "GEOTEX" #351 FILTER FABRIC (OR APPROVED EQUIVALENT) AROUND ALL DRYWELLS. FOR CONSTRUCTION OF DRYWELLS, INSTALL FILTER FABRIC (GEOTEX #351 OR APPROVED EQUIVALENT) BETWEEN THE WASHED DRAINROCK AND THE NATIVE SOILS.

3. ALL DRAINAGE PONDS WITHIN THE SCOPE OF THIS PROJECT SHALL BE COMPLETED DURING THE CONSTRUCTION OF THE PARKING AREAS. THE CONTRACTOR SHALL PERFORM THE POND GRADE WORK AND INSTALL SOD FOLLOWING THE PARKING AREA PAVING WORK.

4. THE FLOOR OF A DRAINAGE POND IS A GRASSED PERCOLATION AREA (GPA) THAT INCLUDES THE LEVEL PORTION OF THE FLOOR OF THE POND AND THE SIDESLOPES OF THE POND OVERFLOW ELEVATION OR TOP OF DRYWELL. THE SOIL LOCATED IN THE FLOOR OF THE CONTAINMENT POND SHALL BE A MEDIUM TO WELL — DRAINING MATERIAL WITH A MINIMUM INFILTRATION RATE OF 2 INCHES PER HOUR. THE POND FLOOR MATERIAL SHALL BE INSTALLED TO A NATIVE SOIL STRATUM THAT ALSO MEETS OR EXCEEDS THIS MINIMUM PERCOLATION RATE OF 2 INCHES PER HOUR.

5. POND BOTTOM ELEVATIONS SHOWN ON THESE PLANS ARE FINISHED GRADE. CONTRACTOR SHALL ROUGH GRADE ALL PONDS TO 0.8' BELOW ELEVATIONS SHOWN TO ALLOW FOR 6" OF TOPSOIL AND FINAL PLACEMENT OF SOD.

6. RIM ELEVATIONS OF UTILITY AND DRAINAGE STRUCTURES SHALL BE INSTALLED SO THAT RIM MAY BE ADJUSTED  $\pm 0.5$ ' TO MATCH FINISHED GRADE.

7. CONCRETE APRONS ARE REQUIRED AT THE INLET INTO ANY SWALE OR POND. THE FINISH GRADE OF THE SWALE POND SIDE SLOPE, WHERE THE CONCRETE INLET APRON ENDS, SHALL BE A MINIMUM OF 2 INCHES BELOW THE FINISHED ELEVATION OF THE CONCRETE CURB APRON EXTENSION. THE INTENTION IS TO ALLOW STORM WATER RUNOFF TO ENTER THE SWALE /POND UNOBSTRUCTED. WITHOUT BACKING UP INTO THE STREET AND GUTTER DUE TO SOD OVERGROWTH AT THE INLET.

8. THE CONTRACTOR SHALL CONDUCT A "FLOOD TEST" OF THE EXISTING INFILTRATION SWALES TO CONFIRM THAT THE SWALES MEET OR EXCEED THE ASSUMED PERCOLATION RATE OF 2" PER HOUR. IF. DURING FINAL INSPECTION. IT IS FOUND THAT THE CONSTRUCTED POND OR SWALE DOES NOT CONFORM TO THE ACCEPTED DESIGN, THE SYSTEM SHALL BE RECONSTRUCTED SO THAT IT DOES

9. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT THE INFILTRATION CAPACITY OF STORM WATER FACILITIES (E.G., LINE THE FACILITY WITH FILTER FABRIC, OVER-EXCAVATE UPON COMPLETION OF THE INFRASTRUCTURE, ETC.).

### CITY OF COEUR D'ALENE STORM SYSTEM NOTES:

(NOTES FROM CITY OF COEUR D'ALENE STANDARD DRAWING NO. M-33)

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF SECTION 600 OF THE "IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION" (ISPWC) AND THE CITY OF COEUR D'ALENE STANDARD DRAWINGS AND SPECIFICATIONS. IN THE CASE OF CONFLICT, CITY OF COEUR D'ALENE STANDARDS SHALL PREVAIL.

2. LOCATION AND ELEVATION OF EXISTING FACILITIES SHOULD BE CONFIRMED BY FIELD MEASUREMENTS AND EXCAVATION EXPLORATION BY THE CONTRACTOR, PRIOR TO BEGINNING OF NEW WORK.

3. STORM WATER DIVISION DOES NOT RESPOND TO "ONE-CALL" NOTIFICATION. THEY MUST BE CALLED SEPARATELY FOR LOCATES ON STORM DRAIN.

4. THE CONTRACTOR MUST SECURE APPROVAL FROM THE CITY OF COEUR D'ALENE ENGINEERING INSPECTOR PRIOR TO BACKFILL OVER STORM DRAIN MAINLINE.

5. THE CITY OF COEUR D'ALENE ENGINEERING INSPECTOR SHALL BE NOTIFIED AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO COMMENCING WORK ON STORM DRAINS.

6. ALL PUBLIC STORM DRAIN LINES SHALL BE VIDEOTAPED AND SUBMITTED TO THE CITY OF COEUR D'ALENE STORM WATER DIVISION OFFICES FOR REVIEW AND APPROVAL PRIOR TO PAVING. PLEASE ALLOW FORTY-EIGHT (48) HOURS FOR REVIEW.

7. ALL MANHOLES, DRYWELLS, AND CATCH BASINS SHALL BE INSPECTED TWICE BY THE CITY OF COEUR D'ALENE ENGINEERING INSPECTOR - PRIOR TO BACKFILL AND PRIOR TO ACCEPTANCE OF IMPROVEMENTS. CALL 769-2285 FOR INSPECTION SCHEDULING.

#### CITY OF COEUR D'ALENE SEWER NOTES:

(NOTES FROM CITY OF COEUR D'ALENE STANDARD DRAWING NO. M-26)

1. LOCATION AND ELEVATION OF EXISTING FACILITIES SHOULD BE CONFIRMED BY FIELD MEASUREMENTS AND EXCAVATION EXPLORATION BY THE CONTRACTOR, PRIOR TO BEGINNING OF NEW WORK. ALL WORK IS TO CONFORM TO OSHA REQUIREMENTS.

2. WASTEWATER UTILITY DOES NOT RESPOND TO "ONE-CALL" NOTIFICATION. THEY MUST BE CALLED SEPARATELY FOR LOCATES ON SANITARY SEWER.

3. EACH LOT SHALL BE SERVED BY MINIMUM OF A SINGLE FOUR (4) INCH (RESIDENTIAL), OR SIX (6) INCH (COMMERCIAL) LATERAL SET AT A MINIMUM OF 2%. SEE STANDARD DRAWING SS-3. LATERALS SHALL BE SHOWN ON AS-BUILT PLANS WITH STATIONING.

4. SANITARY SEWER LATERALS SHALL BE AT RIGHT ANGLES TO PUBLIC SEWER MAINS, EXCEPT IN A CUL-DE-SAC. SERVICE CONNECTIONS SHALL BE TEES FOR PUBLIC MAINS. PRIVATE SERVICE CONNECTIONS SHALL CONFORM TO CDA PLUMBING CODE.

5. THE CONTRACTOR MUST SECURE APPROVAL FROM THE CITY OF COEUR D'ALENE ENGINEERING INSPECTOR PRIOR TO BACKFILL OVER SEWER TEES AND LATERALS.

6. NO DISRUPTION OF EXISTING SEWER SERVICE WILL BE ALLOWED WITHOUT THE SPECIFIC APPROVAL OF THE CITY OF COEUR D'ALENE WASTEWATER UTILITY.

7. THE ENGINEER OF RECORD SHALL NOTIFY THE CITY OF COEUR D'ALENE ENGINEERING INSPECTOR AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO COMMENCING WORK ON SEWERS.

8. ALL SANITARY SEWER LATERALS SHALL BE PLACED, INSPECTED, TESTED, AND CITY APPROVED PRIOR TO

9. ALL PUBLIC SANITARY SEWER LINES SHALL BE CCTV INSPECTED AND SUBMITTED IN CD FORMAT TO THE CITY OF COEUR D'ALENE WASTEWATER UTILITY OFFICES FOR REVIEW AND APPROVAL PRIOR TO PAVING. PLEASE ALLOW

10. ALL SANITARY MANHOLES SHALL BE INSPECTED BY THE WASTEWATER UTILITY. FIRST INSPECTION PRIOR TO PAVING AND SECOND INSPECTION PRIOR TO ACCEPTANCE OF IMPROVEMENTS. CALL FOR INSPECTION SCHEDULING.

11. ALL SANITARY SEWER MAINS SHALL BE AIR TESTED IN ACCORDANCE WITH IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (ISPWC). TESTING SHALL BE WITNESSED, RECORDED, AND SIGNED BY THE ENGINEER OF WORK AND THE TEST RESULTS SUBMITTED TO THE CITY OF COEUR D'ALENE ENGINEERING INSPECTOR.

#### CITY OF COEUR D'ALENE WATER NOTES: (NOTES FROM CITY OF COEUR D'ALENE STANDARD DRAWING NO. M-27)

FORTY-EIGHT (48) HOURS FOR REVIEW.

1. THE MINIMUM WATER SERVICE SHALL BE ONE INCH (1"). ALL NEW WATER SERVICE TAPS SHALL BE ONE OF

THE FOLLOWING: ONE INCH (1"), TWO INCH (2"), FOUR INCH (4"), SIX INCH (6") OR EIGHT INCH (8"), UNLESS OTHERWISE APPROVED. METER SIZES SHALL RANGE FROM THRE QUARTER INCH (¾") TO EIGHT INCH (8").

2. WATER MAINS SHALL BE AWWA C900 PVC PIPE (DR-18) FOUR INCH (4") TO TWELEVE INCH (12"), C905 PVC FOURTEEN INCH (14") AND LARGER, AND SHALL BE CONSTRUCTED WITH THE TOP OF THE PIPE AT A MINIMUM OF 54 INCHES BELOW FINISH GRADE EXCEPT WHERE OTHERWISE INDICATED WITH SPECIFIC ELEVATIONS AND APPROVED BY THE CITY ENGINEER.

3. NO DISRUPTION OF EXISTING WATER SERVICES WHILE MAKING CONNECTION TO EXISTING MAINS SHALL BE ALLOWED WITHOUT SPECIFIC APPROVAL FROM THE CITY OF COEUR D'ALENE WATER DIVISION. ALL AFFECTED PROPERTIES MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SHUT-OFF. FAILURE TO COMPLY WITH NOTICING OR OTHER REQUIREMENTS COULD RESULT IN A STOP-WORK NOTICE, FINES, AND /OR OTHER PENALTIES.

4. NO CONNECTIONS FOR THE PURPOSE OF OBTAINING WATER SUPPLY DURING CONSTRUCTION SHALL BE MADE WITHOUT FIRST OBTAINING APPROVAL FROM THE CITY OF COEUR D'ALENE WATER DIVISION, BULK WATER FOR CONSTRUCTION AND DUST CONTROL SHALL BE PURCHASED THROUGH APPROVED FILLING STATIONS.

5. THE EXISTENCE AND LOCATION OF WATER FACILITIES SHOWN ON THE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE CITY RECORDS. LOCATION AND ELEVATION OF EXISTING WATER FACILITIES SHALL BE CONFIRMED BY FIELD MEASUREMENTS AND EXCAVATION EXPLORATION BY THE CONTRACTOR PRIOR TO BEGINNING OF NEW WORK.

6. THE CITY'S ENGINEERING INSPECTOR SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ANY INSPECTION.

7. ALL FITTINGS OR APPURTENANCES REMOVED FROM THE CITY WATER LINES SHALL BE RETURNED BY THE CONTRACTOR TO THE CITY OF COEUR D'ALENE WATER DIVISION UNLESS OTHERWISE SPECIFIED BY THE CONTRACT DOCUMENTS OR SUPERINTENDENT.

8. ALL WATER MAINS, VALVES AND VALVE BOXES, FIRE HYDRANTS, SERVICES, AND APPURTENANCES SHALL BE INSTALLED. TESTED, AND APPROVED PRIOR TO PAVING.

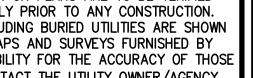
9. ALL MAINS SHALL BE TESTED IN ACCORDANCE WITH CITY REQUIREMENTS. HYDROSTATIC TESTING SHALL BE WITNESSED BY A CITY INSPECTOR. RESULTS OF CHLORINATION AND BACTERIA TESTS SHALL BE SUBMITTED TO THE CITY OF COEUR D'ALENE WATER DIVISION FOR APPROVAL.

#### FOR PERMIT

THESE DRAWINGS ARE SUFFICIENTLY COMPLETE FOR SUBMISSION TO THE JURISDICTION HAVING AUTHORITY FOR PERMIT. THE CONTRACTOR SHALL NOT USE THESE DRAWINGS FOR CONSTRUCTION UNTIL THE CONTRACTOR RECEIVES WRITTEN APPROVAL FOR USE IN CONSTRUCTION BY THE JURISDICTION HAVING AUTHORITY AND DCI ENGINEERS.

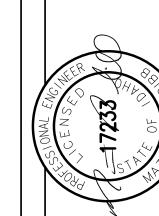
## CONTRACTOR NOTE

ALL EXISTING UTILITIES SHOWN ON PLANS ARE TO BE VERIFIED HORIZONTALLY AND VERTICALLY PRIOR TO ANY CONSTRUCTION. ALL EXISTING FEATURES INCLUDING BURIED UTILITIES ARE SHOWN AS INDICATED ON RECORD MAPS AND SURVEYS FURNISHED BY OTHERS. WE ASSUME NO LIABILITY FOR THE ACCURACY OF THOSE RECORDS AND SURVEYS. CONTACT THE UTILITY OWNER/AGENCY FOR THE FINAL LOCATION OF EXISTING UTILITIES IN AREAS CRITICAL TO CONSTRUCTION.



ONE-CALL NUMBER 811 CALL TWO BUSINESS DAYS BEFORE YOU DIG

UNDERGROUND SERVICE ALERT



2≥ 288 ± % ℃



E. Front Ave., Ste 201

eur d' Alene, ID 83814

1773 · F 208.667.3174

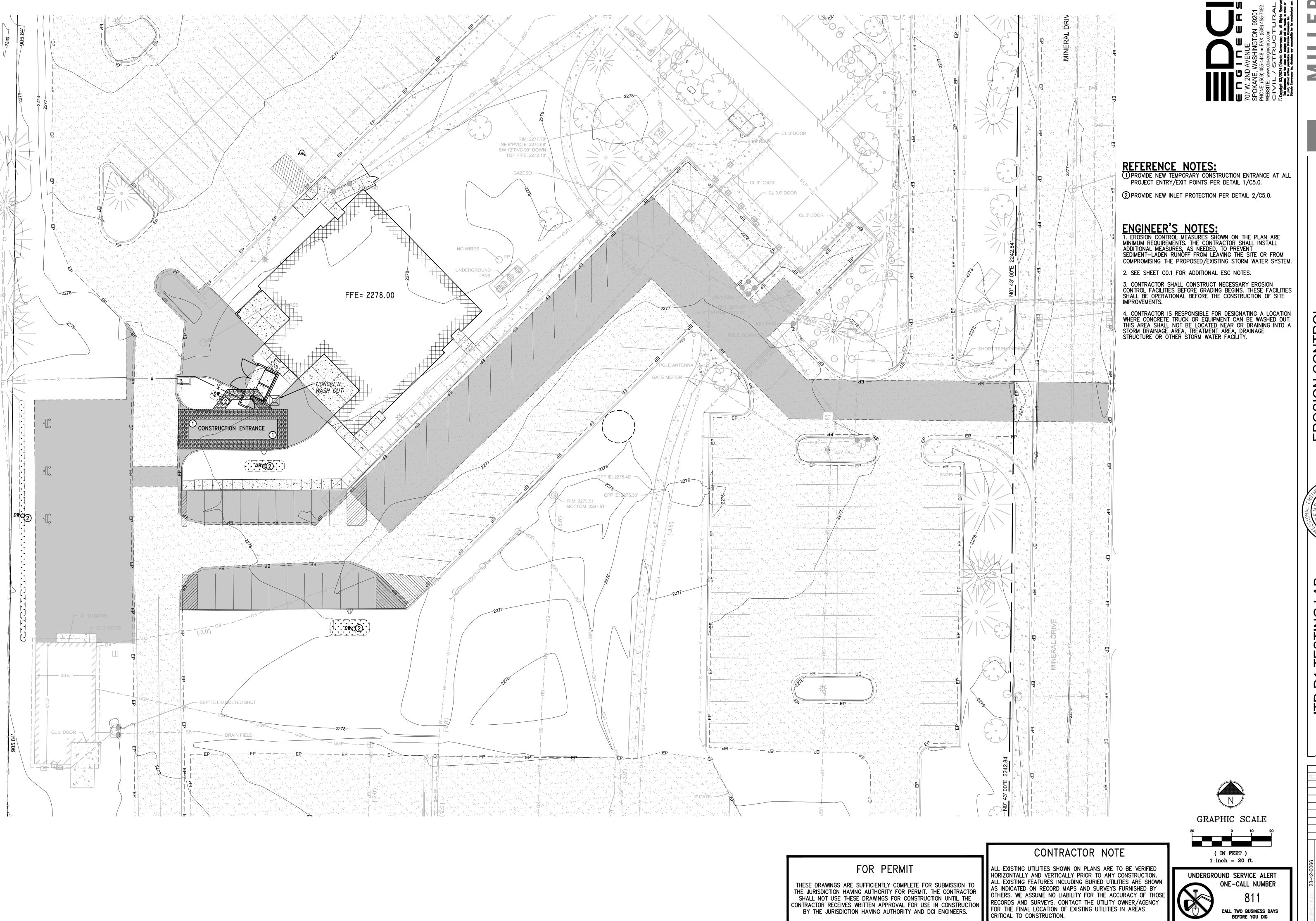
A R C H I T

ONDITIONS

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ITD D1 TESTING LAB 600 W. PRAIRIE AVE COEUR D'ALENE, IDA

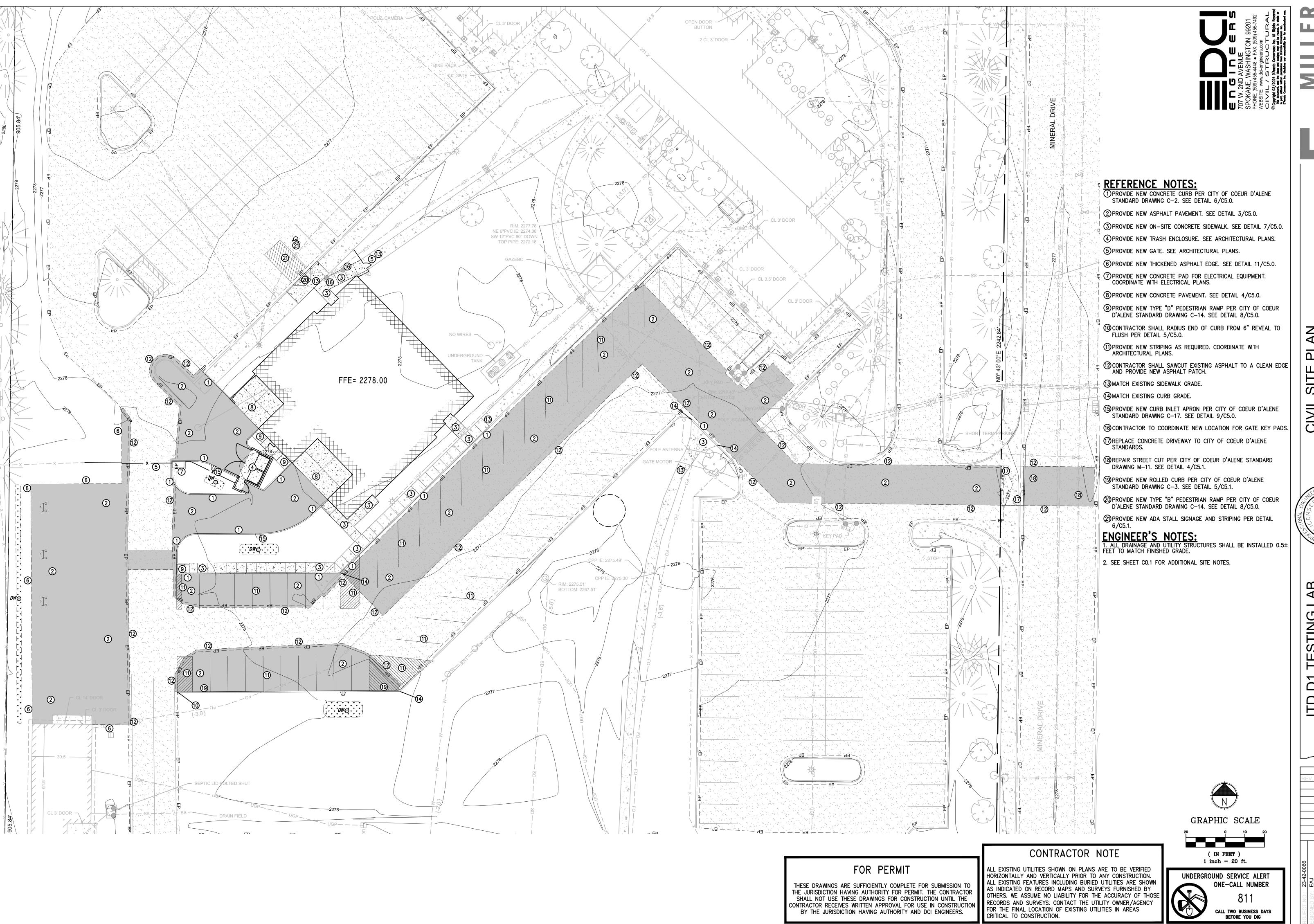
REV. DATE:



BY THE JURISDICTION HAVING AUTHORITY AND DCI ENGINEERS.

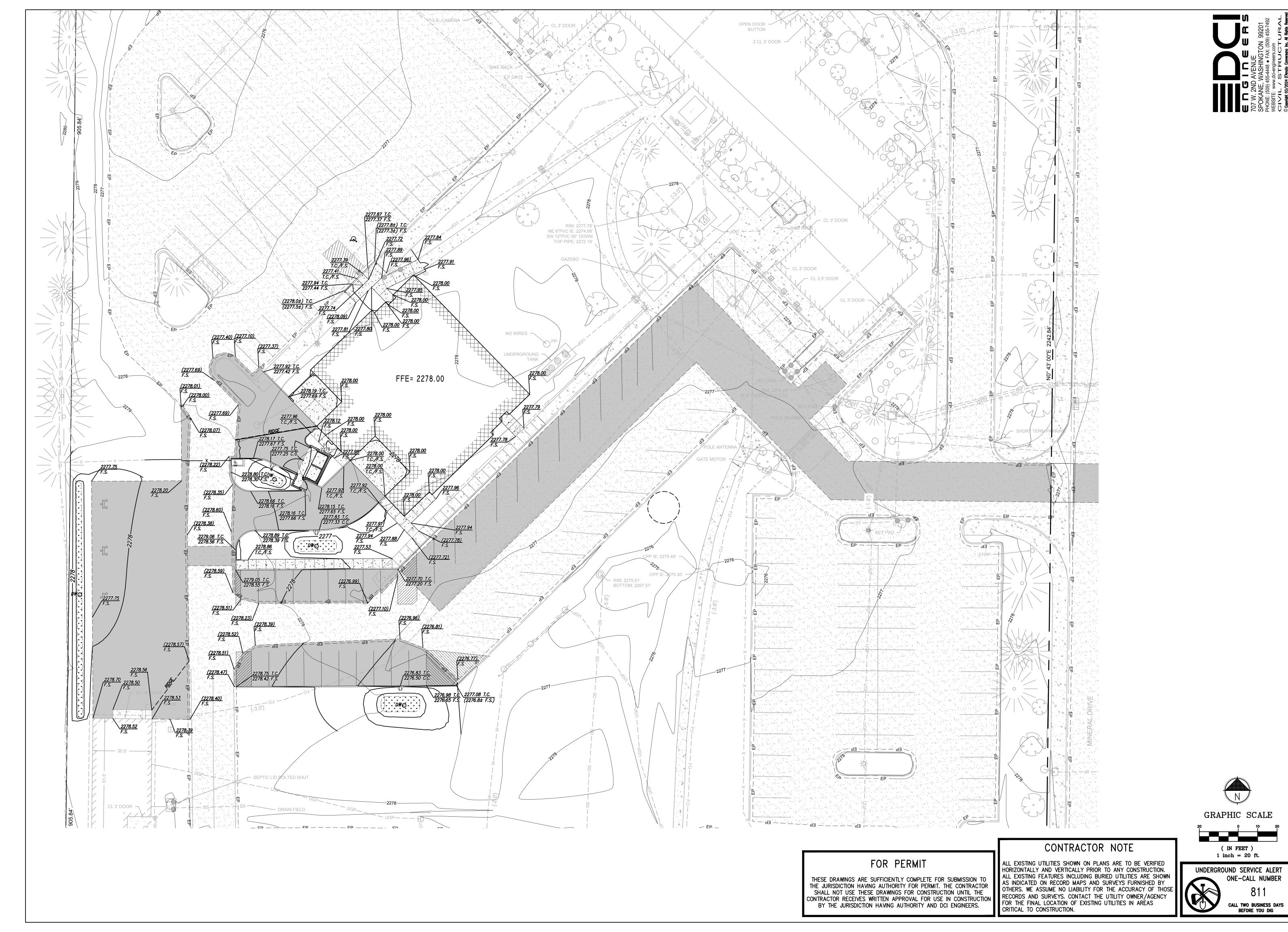
EROSION CONTROL PLAN 3-7-2024

ITD D1 T 600 W. F COEUR



TING LAB
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ITD D1 TESTING L, 600 W. PRAIRIE A\ COEUR D'ALENE,

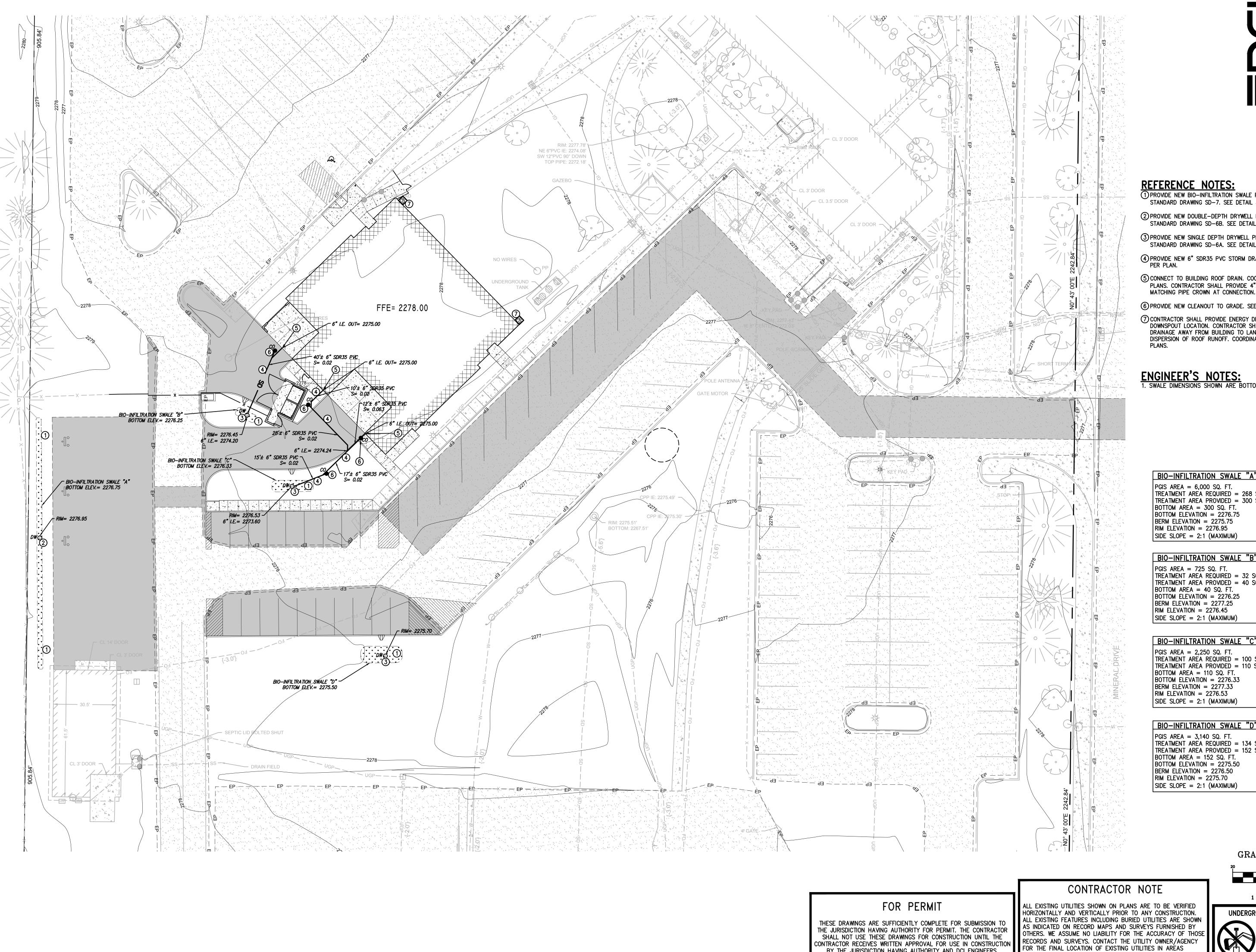


3-7-2024

ITD D1 TESTING LAB 600 W. PRAIRIE AVE COEUR D'ALENE, IDAI

3

811



### **REFERENCE NOTES:**

1) PROVIDE NEW BIO-INFILTRATION SWALE PER CITY OF COEUR D'ALENE STANDARD DRAWING SD-7. SEE DETAIL 3/C5.1.

- 2 PROVIDE NEW DOUBLE-DEPTH DRYWELL PER CITY OF COEUR D'ALENE STANDARD DRAWING SD-6B. SEE DETAIL 2/C5.1.
- 3 PROVIDE NEW SINGLE DEPTH DRYWELL PER CITY OF COEUR D'ALENE STANDARD DRAWING SD-6A. SEE DETAIL 1/C5.1.
- 4 PROVIDE NEW 6" SDR35 PVC STORM DRAIN LINE, LENGTH AND SLOPE PER PLAN.
- (5) CONNECT TO BUILDING ROOF DRAIN. COORDINATE WITH ARCHITECTURAL PLANS. CONTRACTOR SHALL PROVIDE 4"X6" ECCENTRIC REDUCER, MATCHING PIPE CROWN AT CONNECTION.

-2024

TORM

ITD D1 TESTING LAB 600 W. PRAIRIE AVE COEUR D'ALENE, IDAI

- 6 PROVIDE NEW CLEANOUT TO GRADE. SEE DETAIL 10/C5.0.
- 7 CONTRACTOR SHALL PROVIDE ENERGY DISSIPATION SPLASH PADS AT DOWNSPOUT LOCATION. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM BUILDING TO LANDSCAPE FOR NATURAL DISPERSION OF ROOF RUNOFF. COORDINATE WITH ARCHITECTURAL

ENGINEER'S NOTES:

1. SWALE DIMENSIONS SHOWN ARE BOTTOM OF SWALE.

#### BIO-INFILTRATION SWALE "A"

PGIS AREA = 6,000 SQ. FT. TREATMENT AREA REQUIRED = 268 SQ. FT. TREATMENT AREA PROVIDED = 300 SQ. FT.BOTTOM AREA = 300 SQ. FT.BOTTOM ELEVATION = 2276.75 BERM ELEVATION = 2275.75 |RIM| ELEVATION = 2276.95 |SIDE SLOPE = 2:1 (MAXIMUM)|

#### **BIO-INFILTRATION SWALE "B"**

PGIS AREA = 725 SQ. FT.
TREATMENT AREA REQUIRED = 32 SQ. FT.
TREATMENT AREA PROVIDED = 40 SQ. FT. BOTTOM AREA = 40 SQ. FT. BOTTOM ELEVATION = 2276.25 BERM ELEVATION = 2277.25 RIM ELEVATION = 2276.45 |SIDE SLOPE = 2:1 (MAXIMUM)

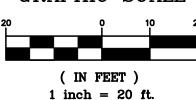
### BIO-INFILTRATION SWALE "C"

PGIS AREA = 2,250 SQ. FT.
TREATMENT AREA REQUIRED = 100 SQ. FT.
TREATMENT AREA PROVIDED = 110 SQ. FT.
BOTTOM AREA = 110 SQ. FT. BOTTOM ELEVATION = 2276.33 BERM ELEVATION = 2277.33 RIM ELEVATION = 2276.53

PGIS AREA = 3,140 SQ. FT.
TREATMENT AREA REQUIRED = 134 SQ. FT. TREATMENT AREA PROVIDED = 152 SQ. FT.BOTTOM AREA = 152 SQ. FT. BOTTOM ELEVATION = 2275.50 BERM ELEVATION = 2276.50 RIM ELEVATION = 2275.70



GRAPHIC SCALE



1 inch = 20 ft.UNDERGROUND SERVICE ALERT

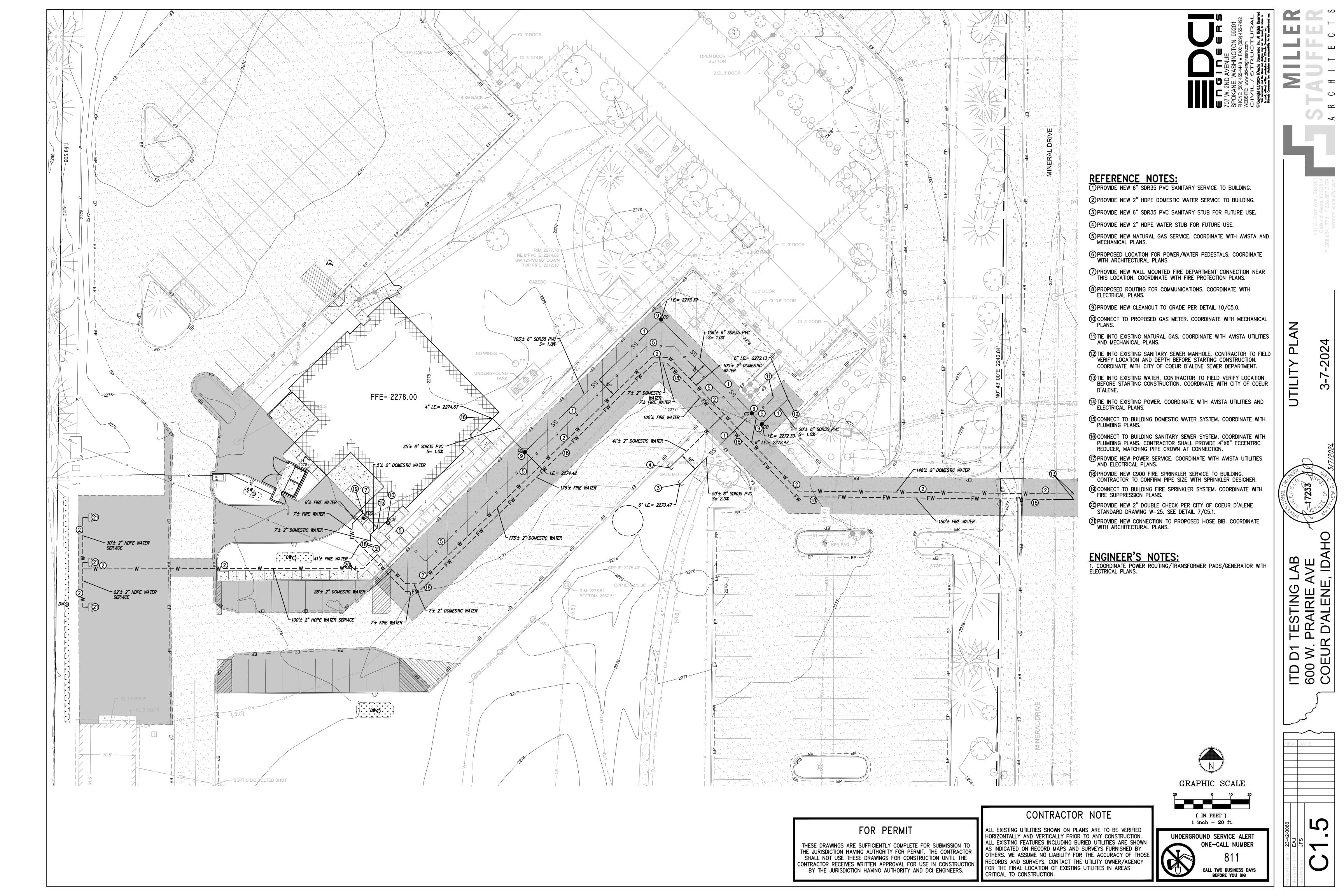
811 CALL TWO BUSINESS DAYS

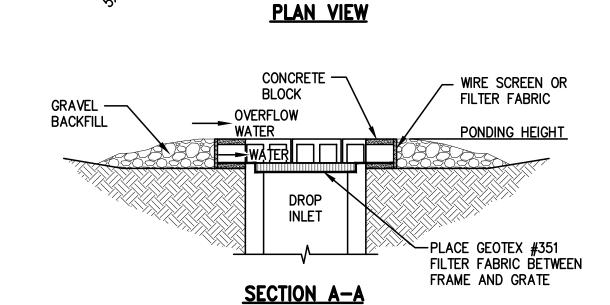
ONE-CALL NUMBER

BY THE JURISDICTION HAVING AUTHORITY AND DCI ENGINEERS.

CRITICAL TO CONSTRUCTION.

BEFORE YOU DIG





## **NOTES:**

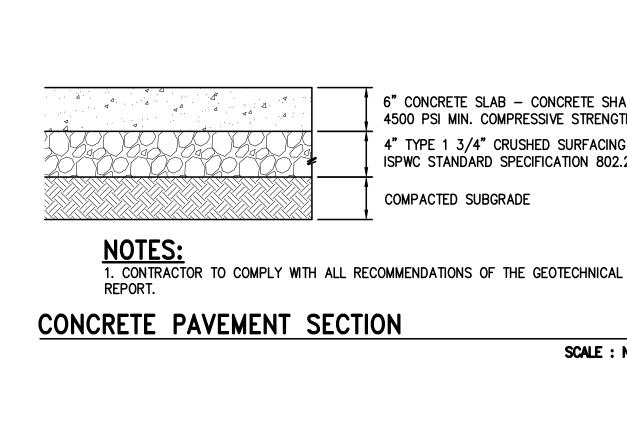
1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS. (LESS THAN 5%)

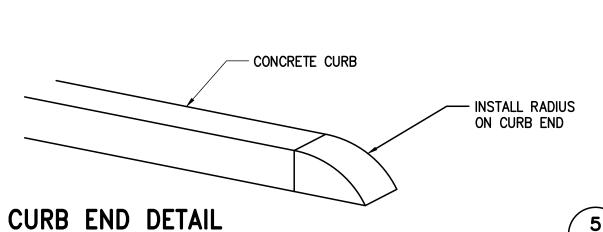
2. EXCAVATE A BASIN OF SUFFICIENT SIZE ADJACENT TO THE DROP INLET.

3. THE TOP OF THE STRUCTURE (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BYPASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWNSLOPE SIDE OF THE STRUCTURE.

#### INLET PROTECTION DETAIL

SCALE: NTS





6" CONCRETE SLAB - CONCRETE SHALL HAVE 4500 PSI MIN. COMPRESSIVE STRENGTH AT 28 DAYS

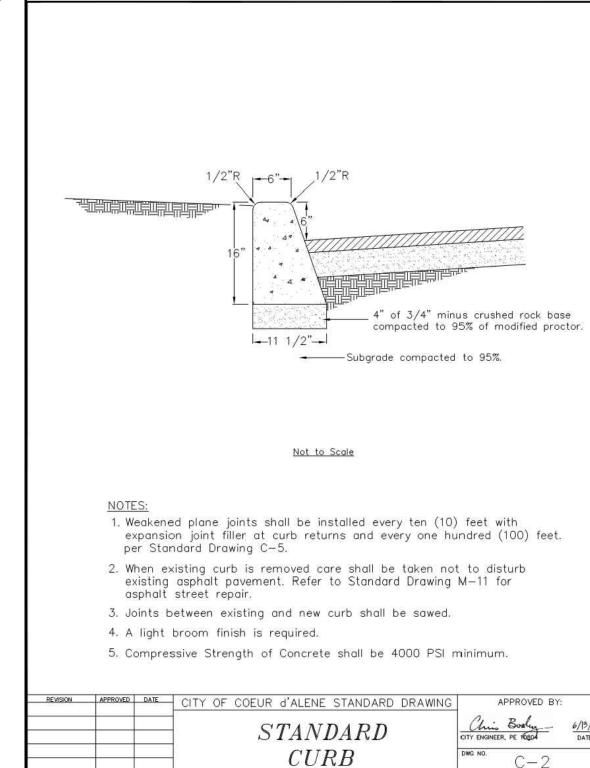
ISPWC STANDARD SPECIFICATION 802.2.2

COMPACTED SUBGRADE

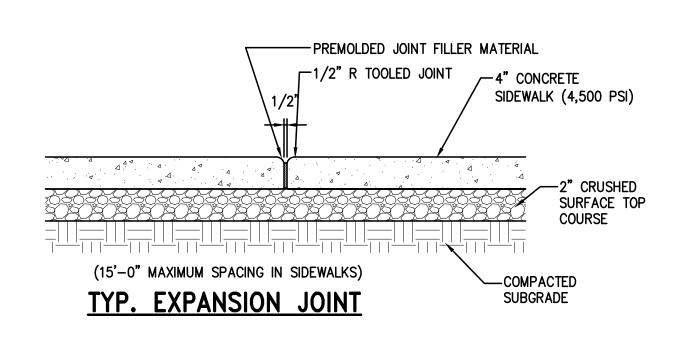
4" TYPE 1 3/4" CRUSHED SURFACING TOP COURSE PER

SCALE : NTS

STANDARD CURB



SCALE : NTS



TIRE WASH

SECTION A-A

2. MORE TRUCK TRAFFIC MAY REQUIRE A LARGER AREA.

1. TIRE WASH AREA MUST BE INSTALLED ADJACENT TO AND DOWN GRADIENT FROM

TEMPORARY CONSTRUCTION EXIT AND AS CLOSE TO EXISTING PAVEMENT AS POSSIBLE.

SLOPE TO DRAIN

EXISTING PAVEMENT

SCALE: NTS

1 FT DEPTH OF 4 IN. TO 8 -IN. CLEAN QUARRY SPALLS FREE OF FINES.

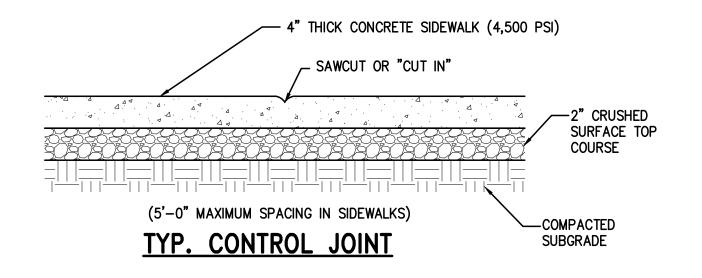
DIMENSIONS = 5 FT. X 3 FT.

MINIMUM BOTTOM -

CONCRET

**NOTES:** 

CONSTRUCTION ENTRANCE



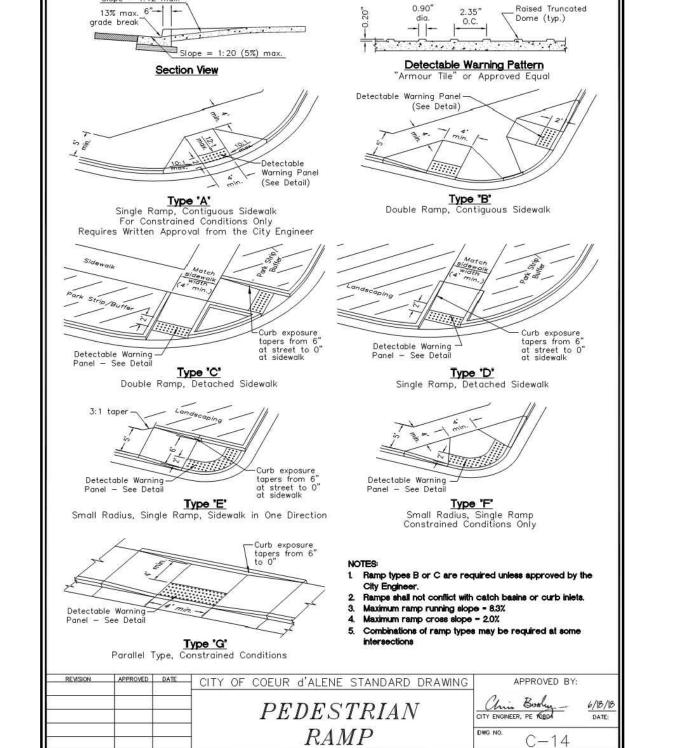
#### **NOTES:**

1. SUBGRADE AND 2" CRUSHED GRAVEL MUST BE PROPERLY COMPACTED TO PREVENT FUTURE DIFFERENTIAL SETTLING OF SIDEWALK.

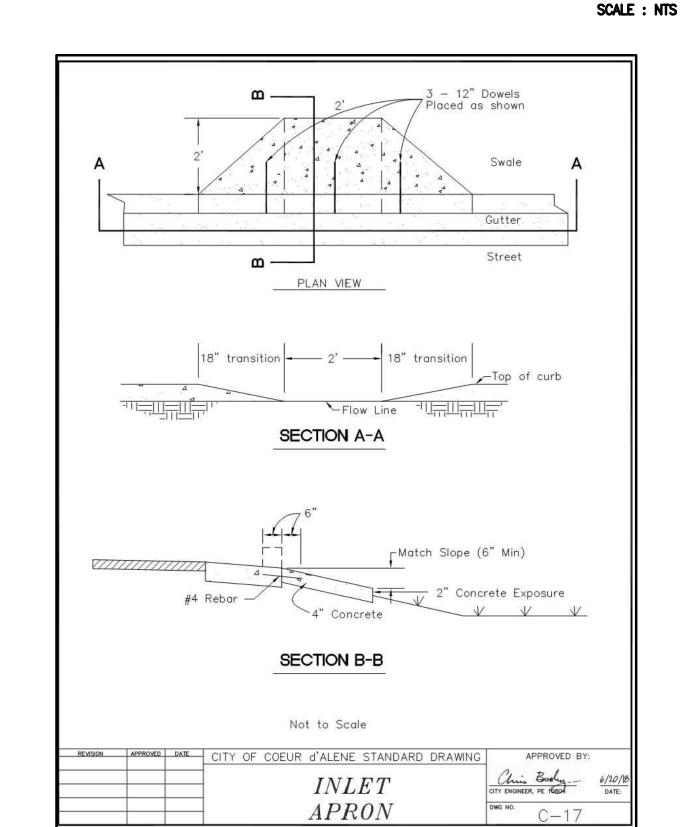
2. SEE ARCHITECTURAL SITE PLANS FOR JOINT TYPES AND LOCATIONS IN CONCRETE SIDEWALK AREAS.

#### ON-SITE CONCRETE SIDEWALK DETAIL

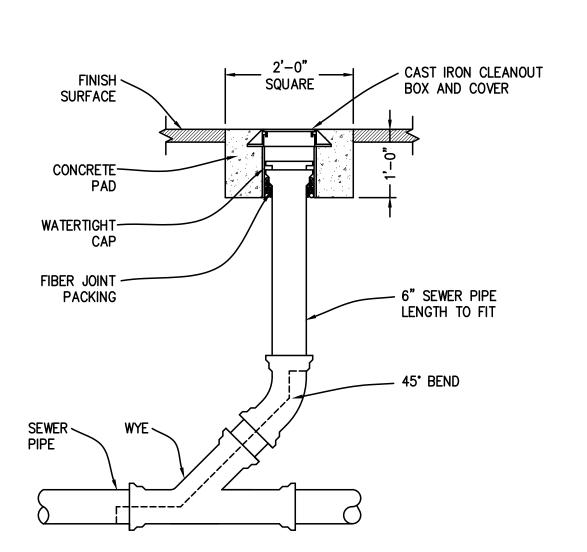
SCALE: NTS



PEDESTRIAN RAMP SCALE: NTS



INLET APRON



TYPICAL CLEANOUT

SCALE : NTS

#### \_\_2x ACP THICKNESS -ACP THICKNESS A.C. PAVEMENT CRUSHED SURFACING TOP COURSE **X12"**X SUBGRADE

ACP THICKENED EDGE DETAIL

SCALE: NTS

#### FOR PERMIT

SCALE : NTS

THESE DRAWINGS ARE SUFFICIENTLY COMPLETE FOR SUBMISSION THE JURISDICTION HAVING AUTHORITY FOR PERMIT. THE CONTRACTO SHALL NOT USE THESE DRAWINGS FOR CONSTRUCTION UNTIL THE CONTRACTOR RECEIVES WRITTEN APPROVAL FOR USE IN CONSTRUCTION BY THE JURISDICTION HAVING AUTHORITY AND DCI ENGINEERS.

#### CONTRACTOR NOTE

HORIZONTALLY AND VERTICALLY PRIOR TO ANY CONSTRUCTION. ALL EXISTING FEATURES INCLUDING BURIED UTILITIES ARE SHOWN AS INDICATED ON RECORD MAPS AND SURVEYS FURNISHED BY OTHERS. WE ASSUME NO LIABILITY FOR THE ACCURACY OF THOS RECORDS AND SURVEYS. CONTACT THE UTILITY OWNER/AGENCY FOR THE FINAL LOCATION OF EXISTING UTILITIES IN AREAS CRITICAL TO CONSTRUCTION.



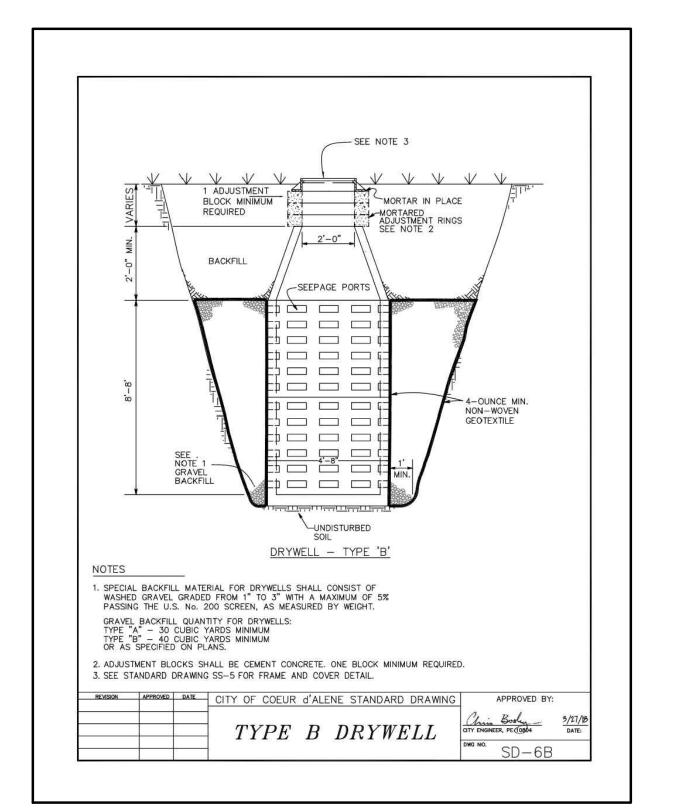
-2024

2 ≥ 1TD 600 COE

SEE NOTE 3 1 ADJUSTMENT BLOCK MINIMUM MORTAR IN PLACE MORTARED
ADJUSTMENT RINGS SEE NOTE 2 BACKFILL SEEPAGE PORTS 4-OUNCE MIN. NON-WOVEN UNDISTURBED SOIL DRYWELL - TYPE 'A' NOTES SPECIAL BACKFILL MATERIAL FOR DRYWELLS SHALL CONSIST OF WASHED GRAVEL GRADED FROM 1" TO 3" WITH A MAXIMUM OF 5% PASSING THE U.S. No. 200 SCREEN, AS MEASURED BY WEIGHT. GRAVEL BACKFILL QUANTITY FOR DRYWELLS: TYPE "A" — 30 CUBIC YARDS MINIMUM TYPE "B" — 40 CUBIC YARDS MINIMUM OR AS SPECIFIED ON PLANS. 2. ADJUSTMENT BLOCKS SHALL BE CEMENT CONCRETE. ONE BLOCK MINIMUM REQUIRED. 3. SEE STANDARD DRAWING SS-5 FOR FRAME AND COVER DETAIL. REVISION APPROVED DATE CITY OF COEUR d'ALENE STANDARD DRAWING City Engineer, PE 10804 DATE: TYPE A DRYWELL SD-6A

TYPE A DRYWELL

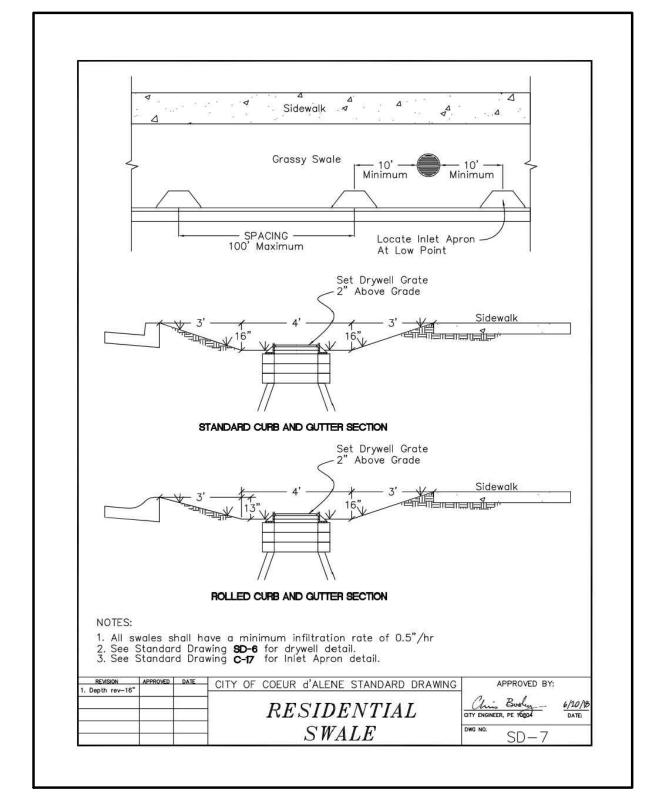
SCALE: NTS



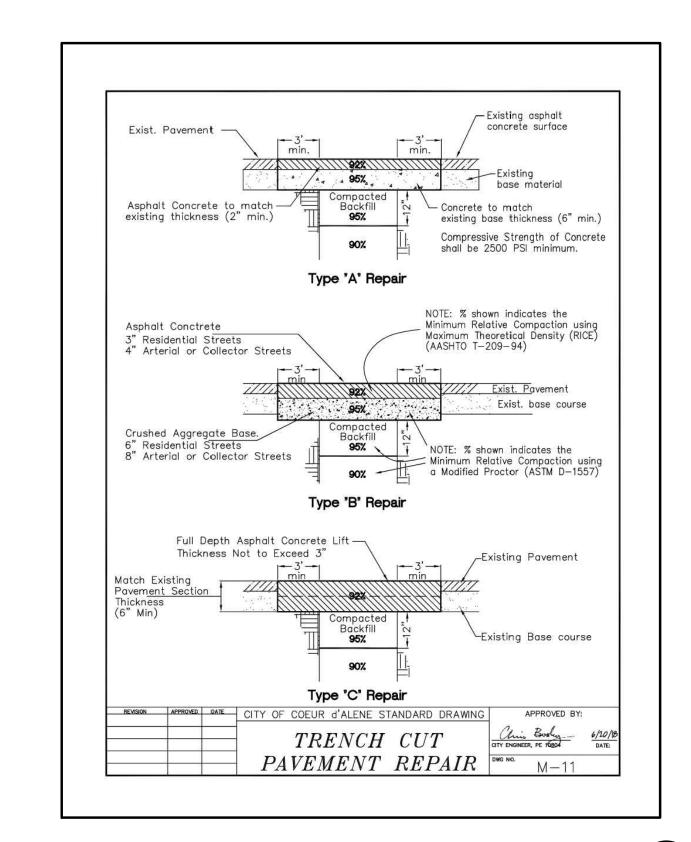
TYPE B DRYWELL

SCALE: NTS

2

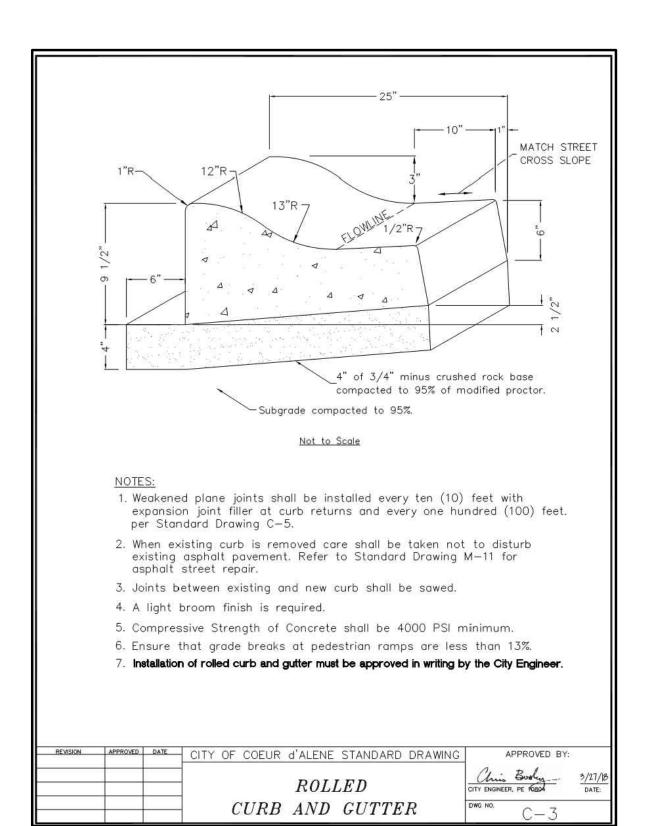


RESIDENTIAL SWALE SCALE : NTS

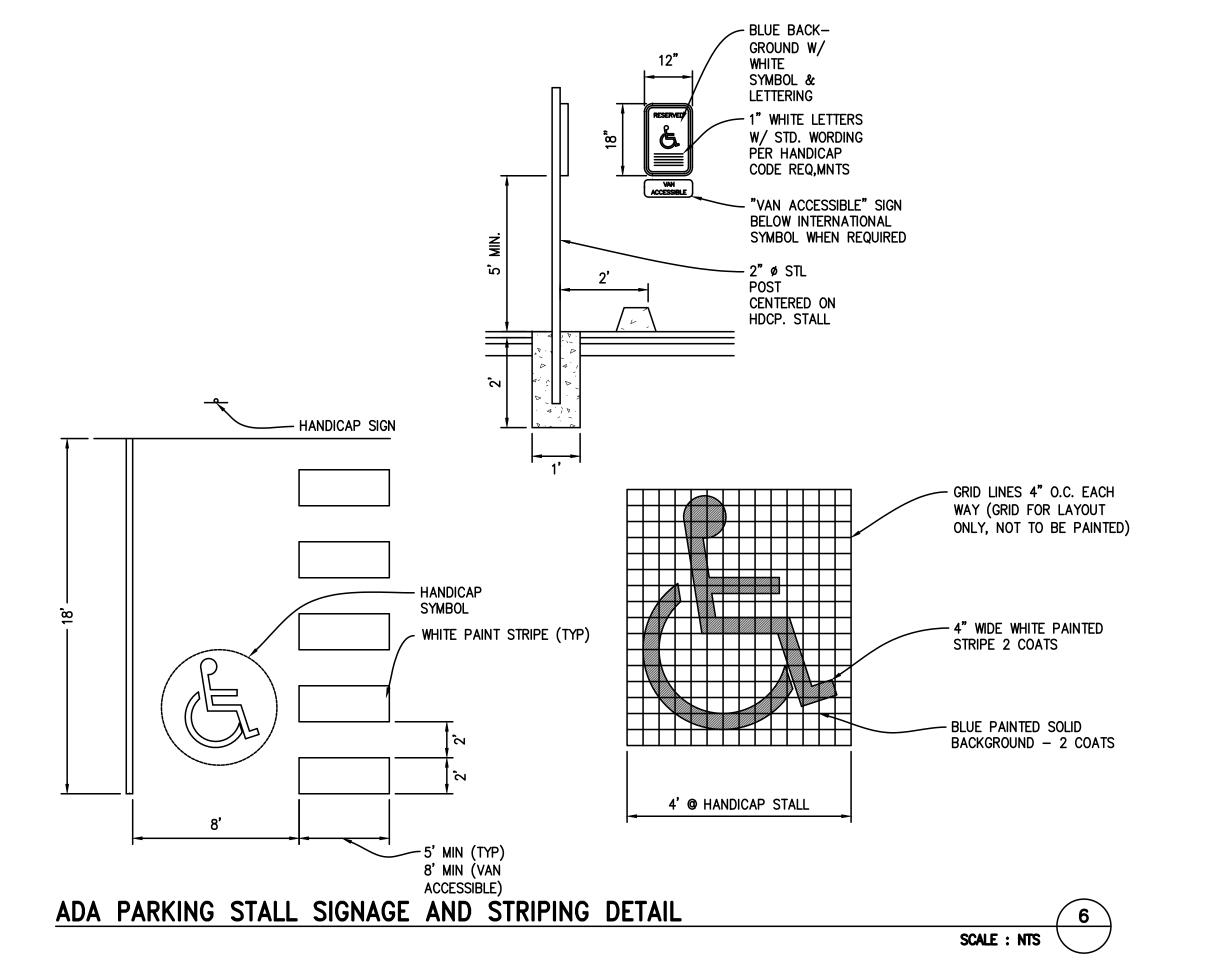


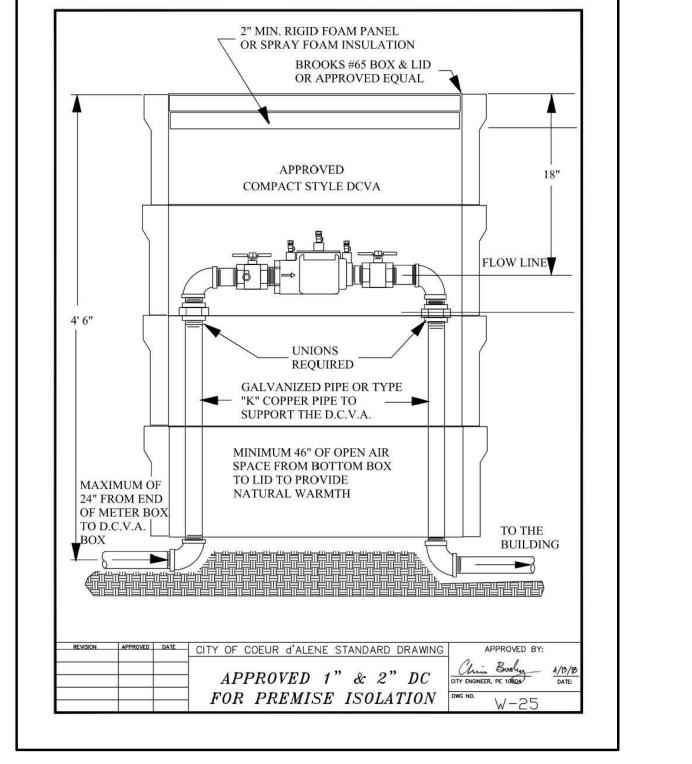
TRENCH CUT PAVEMENT REPAIR

SCALE : NTS









DOUBLE CHECK ASSEMBLY

SCALE: NTS (7)

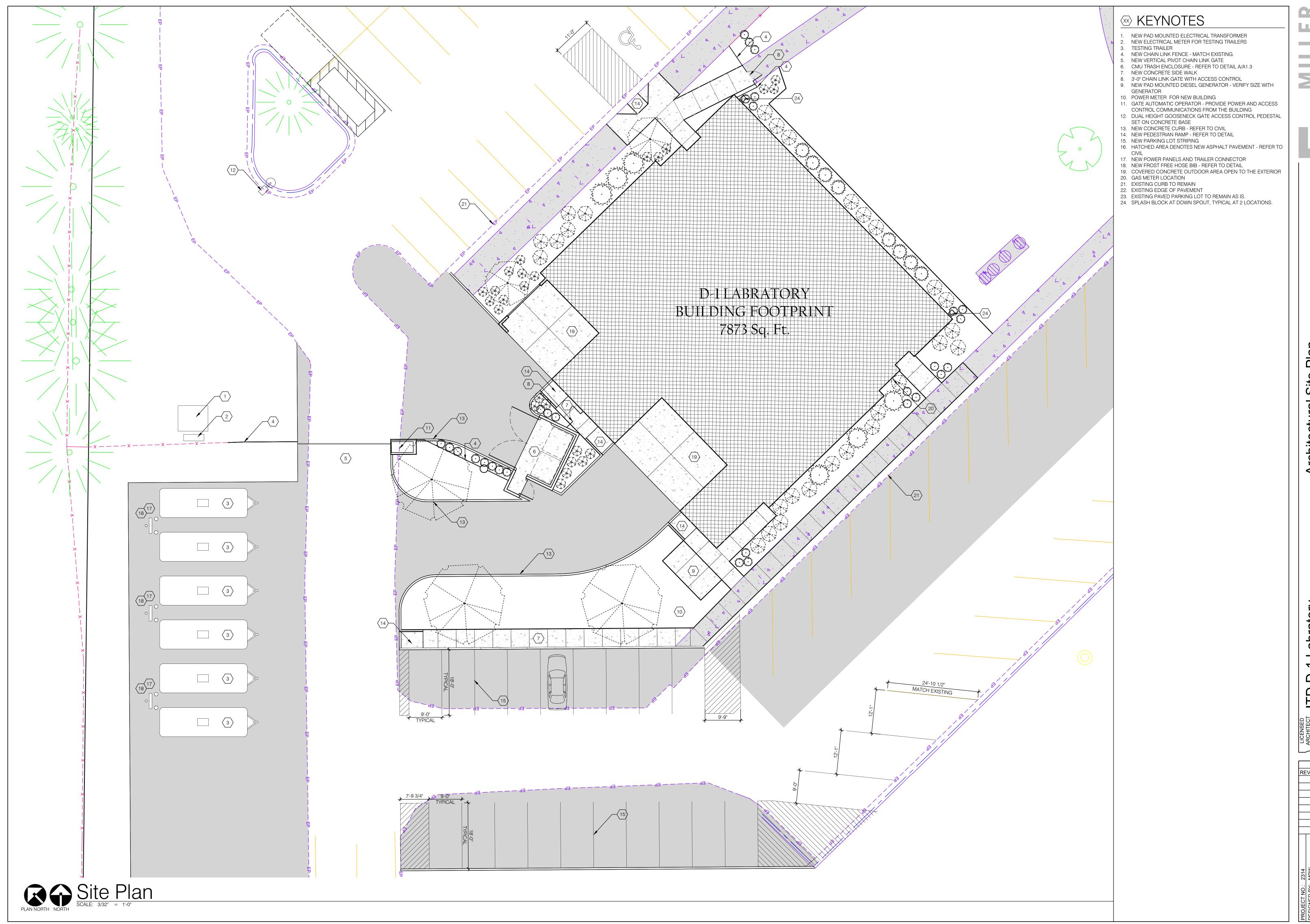
## FOR PERMIT

THESE DRAWINGS ARE SUFFICIENTLY COMPLETE FOR SUBMISSION TO THE JURISDICTION HAVING AUTHORITY FOR PERMIT. THE CONTRACTOR SHALL NOT USE THESE DRAWINGS FOR CONSTRUCTION UNTIL THE CONTRACTOR RECEIVES WRITTEN APPROVAL FOR USE IN CONSTRUCTION BY THE JURISDICTION HAVING AUTHORITY AND DCI ENGINEERS.

### CONTRACTOR NOTE

ALL EXISTING UTILITIES SHOWN ON PLANS ARE TO BE VERIFIED HORIZONTALLY AND VERTICALLY PRIOR TO ANY CONSTRUCTION. ALL EXISTING FEATURES INCLUDING BURIED UTILITIES ARE SHOWN AS INDICATED ON RECORD MAPS AND SURVEYS FURNISHED BY OTHERS. WE ASSUME NO LIABILITY FOR THE ACCURACY OF THOSE RECORDS AND SURVEYS. CONTACT THE UTILITY OWNER/AGENCY FOR THE FINAL LOCATION OF EXISTING UTILITIES IN AREAS CRITICAL TO CONSTRUCTION.





STAUFFER S R C H I E C I

E. Front Ave., Ste 201 ur d' Alene, ID 83814 8.664.1773 · F 208.667.3174

Phase 1 3.7.2024

TTD D-1 Labratory
600 W. Prairie Ave
Coeur d'Alene, Idaho 83814

AR-984931 GOO V MICHAEL P. WALKER

V. DATE:

IGNED BY: MPW
WN BY: MJH

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ELECTRICAL LEGEND - LIGHTING REFERENCE FIXTURE SCHEDULE FOR MOUNTING TYPE, MOUNTING HEIGHT, AND FIXTURE TYPE.

DOUBLE FACE EXIT SIGN, CEILING MOUNTED, PROVIDE UNSWITCHED CONDUCTOR. WALL MOUNTED DOUBLE FACE EXIT SIGN PROVIDE UNSWITCHED CONDUCTOR. MOUNT AT +8'-0" UNO. SINGLE FACE EXIT SIGN, CEILING MOUNTED PROVIDE UNSWITCHED

WALL MOUNTED SINGLE FACE EXIT SIGN PROVIDE UNSWITCHED CONDUCTOR. MOUNT AT +8'-0" UNO.

ARROW INDICATES DIRECTION TO BE SHOWN ON SIGN. 

1'X4' LIGHT FIXTURE, PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR. 2'X4' LIGHT FIXTURE.

2'X4' LIGHT FIXTURE, PROVIDE EMERGENCY BATTERY BACKUP 2'X2' LIGHT FIXTURE 2'X2' LIGHT FIXTURE, PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.

DIRECT/INDIRECT LIGHT FIXTURE. SEE SCHEDULE FOR LENGTH. DIRECT/INDIRECT LIGHT FIXTURE SEE SCHEDULE FOR LENGTH PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR

STRIP LIGHT FIXTURE. SEE SCHEDULE FOR LENGTH. STRIP LIGHT FIXTURE. SEE SCHEDULE FOR LENGTH. PROVIDI EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED

✓ WALL MOUNTED LIGHT FIXTURE. WALL MOUNTED LIGHT FIXTURE, PROVIDE EMERGENCY BATTERY RECESSED LIGHT FIXTURE

RECESSED LIGHT FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.

ROUND EMERGENCY LIGHT FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR. WALL MOUNTED LIGHT FIXTURE.

WALL MOUNTED EMERGENCY LIGHT FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR. POLE LIGHT 1 HEAD WITH POLE TIME CLOCK

PHOTO CONTROL CELL LOCATED 12" ABOVE ROOF FACING NORTH OCCUPANCY SENSOR. PROVIDE RELAYS AND POWER PACKS AS

CONNECT TO AN UNSWITCHED CONDUCTOR. EMERGENCY EGRESS LIGHTING. CONNECT TO AN UNSWITCHED

WALL MOUNTED SINGLE FACE EXIT SIGN WITH EMERGENCY EGRESS LIGHTING. PROVIDE UNSWITCHED CONDUCTOR. MOUNT AT +8'-0" UNO. CEILING MOUNTED. SINGLE FACE EXIT SIGN WITH EMERGENCY

EMERGENCY EGRESS LIGHTING WITH OUT FIXTURE HEADS.

GRESS LIGHTING. PROVIDE UNSWITCHED CONDUCTOR. CEILING MOUNTED. DOUBLE FACE EXIT SIGN WITH EMERGENCY EGRESS LIGHTING. PROVIDE UNSWITCHED CONDUCTOR.

INDICATES FIXTURE TYPE. REFER TO FIXTURE SCHEDULE

EXTERIOR WALL PACK EMERGENCY EXTERIOR WALL PACK. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR

> THIS IS A STANDARD LIST OF COMMONLY USED ELECTRICAL SYMBOLS SOME OF THE SYMBOLS SHOWN MAY NOT HAVE BEEN USED IN THIS

SUPERSCRIPT INDICATES LIGHTS TO BE SWITCHED TOGETHER DUAL LEVEL SWITCHING, INSIDE AND OUTSIDE LAMPS OF FIXTURE O BE SWITCHED SEPARATELY. DUAL LEVEL SWITCHING WITH OCCUPANCY SENSOR, INSIDE AND UTSIDE LAMPS OF FIXTURE TO BE SWITCHED SEPARATELY. OCCUPANCY SENSOR WITH MANUAL DIMMING, SET FOR 50% AUTOMATIC ON, AUTOMATIC OFF, WITH MANUAL DIMMING. SINGLE CONVENIENCE OUTLET, +18" AFF UNO FLOOR MOUNT SINGLE CONVENIENCE OUTLET DUPLEX CONVENIENCE OUTLET, +18" AFF UNO FLOOR MOUNT DUPLEX CONVENIENCE OUTLET EMERGENCY DUPLEX CONVENIENCE OUTLET, +18" AFF UNC SWITCHED DUPLEX CONVENIENCE OUTLET, +18" AFF UNO FLOOR MOUNTED SWITCHED DUPLEX CONVENIENCE OUTLET USB DUPLEX CONVENIENCE OUTLET, +18" AFF UNO USB FOURPLEX CONVENIENCE OUTLET, +18" AFF UNO FOURPLEX CONVENIENCE OUTLET. +18"AFF UNO FLOOR MOUNT FOURPLEX CONVENIENCE OUTLET CONTRACTOR TO SUPPLY RACEWAY AND CONDUCTORS AND MAKE FINAL CONNECTION TO EQUIPMENT UNDER THIS SECTION. UNO FLOOR MOUNTED CONNECTION POINT, SEE NOTE ABOVE FOR FLOOR MOUNTED JUNCTION BOX JUNCTION BOX WALL MOUNTED PUSH BUTTON, MOUNT AT SWITCH HEIGHT UNO HOHC WALL MOUNTED PUSH BUTTON, HANDICAPPED MOUNT AT SWITCH WALL MOUNTED PUSH BUTTON, MOUNT AT SWITCH HEIGHT UNO FUSED DISCONNECT SWITCH, SIZE/POLES, FUSE SIZES AS INDICATED,

NON-FUSED DISCONNECT SIZE/ POLES AS INDICATED, NEMA 1 UNO

REQUIRED TO CONTROL ASSOCIATED UNITS. UNO COORDINATE WITH

HUMIDISTAT, +46" AFF PROVIDE CONDUIT, J-BOX, CONDUCTORS AS

REQUIRED TO CONTROL ASSOCIATED UNITS

PANELBOARD. SEE SCHEDULE FOR TYPE.

EQUIPMENT CABINET, SURFACE MOUNTED

EQUIPMENT CABINET FLUSH MOUNTED

# # MECHANICAL EQUIPMENT CALL OUT

GROUND SLEEVE

AND MOUNTING PAD

FIBER OPTIC VAULT

CENTURY LINK PEDESTAL

CABLE ONE PEDESTAL

KITCHEN EQUIPMENT CALLOUT

SITE ELECTRICAL LEGEND

SINGLE PHASE UTILITY TRANSFORMER

THREE PHASE UTILITY TRANSFORMER

UTILITY PRIMARY POWER GROUND SLEEVE

POWER POLE - DUAL CHANNEL

REB RECESSED ENTERTAINMENT BOX

TRANSFORMER

**DEVICES** 

SX SWITCH, TYPE AS INDICATED. +46"AFF

3-WAY

PILOT LIGHT

HP HORSEPOWER RATED

OS OCCUPANCY SENSOR

VACANCY SENSOR

THERMAL OVERLOAD

OR LOW VOLTAGE, MOMENTARY OVERRIDE

DIMMER

LV LOW VOLTAGE

ONE LINE DELTA WYE TRANSFORMER UNO PANEL BOARD, SEE SCHEDULE FOR TYPE AND SIZE VOLTAGE PHASE ##A CIRCUIT BREAKER, SIZE AND POLES INDICATED ##A FUSE, SIZE AND TYPE INDICATED, PROVIDE FUSE FOR EACH POLE **##A** INTERRUPTER SWITCH, SIZE AND POLES INDICATED FUSED SWITCH, SIZE/POLES AND FUSE SIZE INDICATED DRAW OUT CIRCUIT BREAKER, SIZE AND POLES INDICATED INDIVIDUAL BREAKER WITH SHUNT TRIP, SIZE AND POLES INDICATED. NEMA 1 UNO INDIVIDUAL BREAKER, SIZE AND POLES INDICATED. NEMA 1 UNO GFP GROUND FAULT PROTECTION TRANSIENT VOLTAGE SURGE SUPPRESSION LSIGR — ADJUSTABLE BREAKER SETTINGS (PER SPECIFICATIONS): 'S'-SHORT TIME 'G'-GROUND FAULT 'R'-ENERGY REDUCING MAINTENANCE SWITCH W/STATUS INDICATOR SHUNT TRIP COIL DISCONNECT SWITCH, SIZE AND POLES INDICATED. NEMA 1 UNO OVERHEAD SERVICE DROP GENERATOR SET, MAIN BREAKER SIZE INDICATED AUTOMATIC TRANSFER SWITCH (ATS) DRY TYPE TRANSFORMER PAD MOUNT TRANSFORMER

SECURITY CCTV CAMERA POWER SUPPLY CCTV SYSTEM POWER SUPPLY POLE IP CAMERA - OWNER INSTALLED 1 GRAY CAT6 CABLE - CONTRACTOR INSTALLED WP - WEATHERPROOF W - WALL MOUNTED POLE IP 360 DEGREE CAMERA - OWNER INSTALLED 1 GRAY CAT6 CABLE - CONTRACTOR INSTALLED WP - WEATHERPROOF C - CEILING MOUNTE W - WALL MOUNTED

DC

KP

ELS

DOOR CONTACT KEYED DOOR RELEASE

ALARM SIREN

MOTION DETECTOR

BELL PUSH BUTTON

SYSTEM ANTENNAE

ELECTRIFIED HINGE

ELECTRIC LOCK SET

ELECTRIFIED CRASH BAR

ELECTRIC POWER TRANSFER

PANIC BUTTON - MOUNTED UNDER COUNTER

BIDIRECTIONAL RADIO PROPAGATION

BIDIRECTIONAL RADIO PROPAGATION SYSTEM HYBRID COUPLER

SEE ARCHITECTURAL HARDWARE SCHEDULE)

(SEE ARCHITECTURAL HARDWARE SCHEDULE)

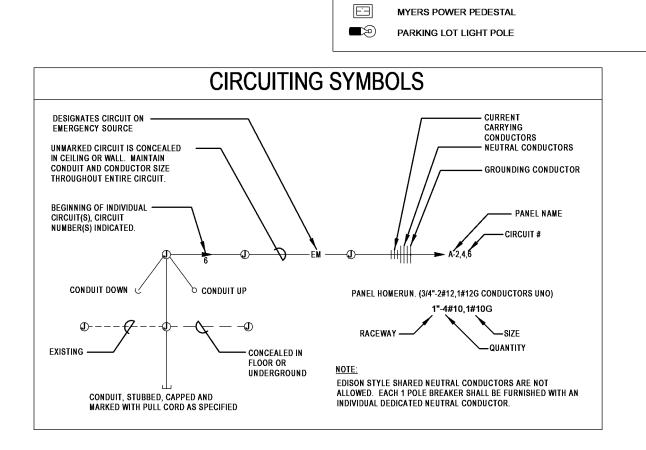
(SEE ARCHITECTURAL HARDWARE SCHEDULE)

(SEE ARCHITECTURAL HARDWARE SCHEDULE)

SEE ARCHITECTURAL HARDWARE SCHEDULE)

KEY PAD

DOOR BELL



FIRE SYSTEM ANNUNCIATOR, FLUSH MOUNTED +54"UNO DH ELECTROMAGNETIC DOOR HOLDER R RELAY CM CONTROL MODULE MONITOR MODULE FIRE ALARM CONTROL PANEL NAC EXTENDER PANEL FIRE/SMOKE DAMPER LED INDICATOR LIGHT. CEILING MOUNTED UNO LED INDICATOR LIGHT WITH TEST SWITCH, CEILING MOUNTED UNO DUCT-MOUNTED SMOKE DETECTOR SMOKE DETECTOR, CEILING MOUNTED UNO HEAT IONIZATION CCTV OUTLET, +18" UNO IN DUCT PHOTOELECTRIC CEILING MOUNTED CCTV OUTLET WG PROVIDE PROTECTIVE WIRE GUARD SECURITY SYSTEM KEYPAD CONTROLLER COORDINATE BOX SIZE AND BS,BR BEAM DETECTOR, SENDER & RECEIVER CARD READER ELECTRIC LATCH

**COMMUNICATIONS** INTERCOM SYSTEM CALL BUTTON. +46" UNO. LA: CEILING MOUNTED IP INTERCOM SPEAKER MOUNTED IN ACCESSIBLE ACOUSTICAL TILE BB: WALL MOUNTED IP INTERCOM SPEAKER RI: CEILING MOUNTED IP INTERCOM SPEAKER MOUNTED IN HARD CEILING WITH ROUGH-IN KIT HVB: WALL MOUNTED IP INDOOR/OUTDOOF IORN MOUNTED IN FLUSH VANDAL PROOF BACKBOX ELEVISION OUTLET, +18" AFF UNO. PROVIDE 1-1/4" CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE CABLE TRAY, 4" DEEP, WIRE BASKET STYLE, 'XX' INDICATES WIDTH PROVIDE ALL FITTINGS AND SUPPORT HARDWARE REQUIRED FIRE ALARM F PULL STATION, +44" AFF WITH PRE-ALARM COVER FIRE ALARM STROBE, +84" AFF UNO, STROBE INTENSITY INDICATED. 'C' FIRE ALARM HORN/STROBE +84" AFF, UNO, STROBE INTENSITY INDICATED. 'C' INDICATES CEILING MOUNTED FIGURE FIRE ALARM BELL, +84" AFF UNO. 'C' INDICATES CEILING MOUNTED FIRE ALARM CHIME, +84" AFF UNO. 'C' INDICATES CEILING MOUNTED FIRE ALARM CHIME/STROBE, +84" AFF UNO, STROBE INTENSITY INDICATED. 'C' INDICATES CEILING MOUNTED SPEAKER STROBE, +84" AFF UNO. 'C' INDICATES CEILING MOUNTED FS FLOW SWITCH, PROVIDE MONITOR MODULE AS REQUIRED TS TAMPER SWITCH, PROVIDE MONITOR MODULE AS REQUIRED POST INDICATOR VALVE, PROVIDE MONITOR MODULE AS REQUIRED VOLT-AMPERE WG WIRE GUARD
WP WEATHER PROOF/NEMA 3R PROVIDED/ PROVIDE AND INSTALL / PROVIDED AND PROVIDE BY INSTALLED BY / PROVIDE AND INSTALL

INSTALL

THIS IS A STANDARD LIST OF COMMONLY USED

ELECTRICAL ABBREVIATIONS. SOME OF THE

ABBREVIATIONS SHOWN ABOVE MAY NOT BE

USED IN THIS DRAWING PACKAGE.

1 BLUE CAT6 CABLE

2 BLUE CAT6 CABLE

3 BLUE CAT6 CABLE

1 BLUE CAT6 CABLE

Р

COPPER NETWORK JACKS

**COPPER NETWORK JACKS** 

INTERACTIVE WHITE BOARD

19" 4 POST NETWORK RACK

19" 2 POST NETWORK RACK

WIRELESS CLOCK - MESH

1 GRAY CAT6 CABLE

1 GRAY CAT6 CABLE

1 GRAY CAT6 CABLE

1 GRAY CAT6 CABLE

WIRELESS ACCESS POINT

F FIRE ALARM HORN, +84" AFF UNO

EOL END OF LINE RESISTOR

INDICATES CEILING MOUNTED

VOLUME CONTROL, +46" UNO

WITHER RECESSED BACK BOC

**ELECTRICAL ABBREVIATIONS** AC 6" ABOVE BACKSPLASH
AFF ABOVE FINISHED FLOOR AFG ABOVE FINISHED GRADE AMP FRAME
AMPS INTERRUPTING CAPACITY AUTOMATIC TRANSFER SWITCH AMERICAN WIRE GAUGE BD BOTTOM OF DECK
BS BOTTOM OF STRUCTURE CEILING MOUNTED CB CIRCUIT BREAKER CF COMPACT FLUORESCENT CKT CIRCUIT PRIOR TO ROUGH-IN. DEMO DEMOLITION
DET DETAIL
DTT DOUBLE TWIN TUBE EC ELECTRICAL CONTRACTOR
EL EMERGENCY LIGHT (F) FUTURE FACP FIRE ALARM CONTROL PANEL HH HAND HOLE
HID HIGH INTENSITY DISCHARGE
HOA HAND-OFF-AUTO
HPS HIGH PRESSURE SODIUM HVAC HEATING, VENTILATION, & AIR CONDITIONING ROUTE CONDUITS IN COMMON TRENCH WHERE POSSIBLE REFER TO TRENCHING DETAIL. IG ISOLATED GROUND
IPCO IDAHO POWER COMPANY J-BOX JUNCTION BOX KA KILOAMP
KVA KILO VOLT-AMP
KW KILOWATT
KWH KILOWATT HOUR LCP LIGHTING CONTROL PANEL MB MAIN BREAKER
MBR MAIN CIRCUIT BREAKER
MCC MOTOR CONTROL CENTER
MDP MAIN DISTRIBUTION PANEL
MLO MAIN LUGS ONLY
MMC MODULAR METERING CENTER
MH METAL HALIDE
MSB MAIN SWITCH BOARD
MTG MOUNTING NATIONAL ELECTRICAL CODE NOT IN CONTRACT NTS NOT TO SCALE OH OVERHEAD
OS OCCUPANCY SENSOR BUILDING SHALL BE TESTED FOR DISTRIBUTED AMPLIFIER SYSTEM / E PVC POLYVINYL CHLORIDE
PWR POWER TAMPER RESISTANT
TWISTED SHIELDED PAIR TRIPLE TUBE
TELEPHONE TERMINAL BOARD UNDERCABINE UNDFRGROUNI UNLESS NOTED OTHERWIS

**ELECTRICAL GENERAL NOTES** THESE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE; THEREFORE **EQUIPMENT AND DEVICE LOCATIONS WITH ARCHITECTURAL, MECHANICAL** AND PLUMBING DIVISIONS PRIOR TO ROUGH-IN. REFER TO AND COORDINATE WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL WORK THAT IS REQUIRED BY THE ELECTRICAL CONTRACTOR. ALL CONDUIT AND JUNCTION BOXES ARE TO BE CONCEALED UNLESS LOCATED WITHIN DEDICATED ELECTRICAL OR MECHANICAL ROOMS. USE OF

SURFACE MOUNTED RACEWAYS IN ALL OTHER SPACES MUST BE APPROVED BY THE ARCHITECT FOR EACH LOCATION. WHERE SURFACE RACEWAYS ARE APPROVED, UTILIZE WIREMOLD, OR APPROVED EQUAL, SURFACE MOUNTED RACEWAYS PAINTED TO MATCH SURROUNDING WALLS. REFER TO ARCHITECTURAL ELEVATIONS FOR OUTLET HEIGHTS WHERE THE SPECIFIC OUTLET HEIGHT IS NOT INDICATED. REFER TO THE ELECTRICAL LEGEND FOR THE DEFAULT OUTLET HEIGHT WHEN NOT INDICATED ON ELEVATIONS OR ON AT THE DEVICES.

PROVIDE PULL-LINE IN ALL EMPTY CONDUITS TERMINATE ALL LOW-VOLTAGE CONDUITS WITH INSULATED THROAT BUSHING. MECHANICAL EQUIPMENT INDICATED IS SHOWN IN AN APPROXIMATE LOCATION. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR

ALL NON-LOCKING, 120-V, 15 AND 20-AMP RECEPTACLES SHALL BE LISTED TAMPER-RESISTENT RECEPTACLES PER NEC 406.12

INSTALL PLENUM RATED FIRE ALARM CONDUCTORS FROM ALL FIRE ALARM DEVICES INDICATED TO THE FIRE ALARM CONTROL PANEL OR NAC EXTENDER PANEL(S) AS REQUIRED. STUB 3/4" CONDUIT FROM DEVICE TO VOID ABOVE CEILING. PROVIDE NAC EXTENDER PANELS (QUANTITY AS REQUIRED) IN LOCATIONS INDICATED AND CIRCUITING AS REQUIRED FOR A COMPLETE INSTALLATION. CIRCUIT THE FIRE ALARM NOTIFICATION AND INITIATION DEVICES PER THE ELECTRICAL SPECIFICATIONS. FURNISH AND INSTALL AL APPURTENANCES AND PROGRAMMING REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. REFER TO ELECTRICAL FIRE ALARM SPECIFICATIONS

CONTRACTOR SHALL COORDINATE WITH AN UNDERGROUND LOCATING ADDITIONAL SITE INFORMATION, COORDINATE WITH OTHER SITE DISCIPLINES. SITE LIGHTING AND UTILITY EQUIPMENT SHOWN IN APPROXIMATE LOCATION COORDINATE EXACT LOCATION WITH CIVIL DRAWINGS, PROPERTY LINES, AND UTILITY COMPANIES PRIOR TO ROUGH-IN. REFER TO POLE BASE DETAIL FOR SITE LIGHTING POLE BASE REQUIREMENTS.

### DBS / DAS- DESIGN BUILD NOTES

DESIGN BUILD BY A CERTIFIED INSTALLATION CONTRACTOR. THIS CONTRACTOR SHALL PRODUCE A DISTRIBUTED AMPLIFIER SYSTEM / BI DIRECTIONAL AMPLIFIER SUBMITTAL THAT INCLUDES ALL DRAWINGS, CALCULATIONS AND CUT SHEETS REQUIRED TO OBTAIN COMPLETE APPROVAL FROM ALL APPROVING AGENCIES.

THE DISTRIBUTED AMPLIFIER SYSTEM / BI DIRECTIONAL AMPLIFIER CONTRACTOR SHALL PROVIDE SUBMITTALS TO THE ENGINEER OF RECORD FOR REVIEW PRIOR TO SUBMITTING TO THE AUTHORITY HAVING JURISDICTION AND AND SHALL NOT PROCEED UNTIL THESE SUBMITTALS HAVE BEEN REVIEWED, APPROVED AND RETURNED.

DIRECTIONAL AMPLIFIER IN CONFORMANCE WITH SPECIFICATIONS 285500 WHEN BUILDING SHELL IS COMPLETED. ALL EXTERIOR SURFACES, DOORS AND WINDOWS SHALL BE COMPLETELY INSTALLED AND INTERIOR WALL COVERINGS INSTALLED PRIOR TO TESTING.

INCLUDE COST FOR SYSTEM TESTING N CONFORMANCE WITH SPECIFICATIONS 285500 AS A SEPARATE LINE ITEM OF THE ELECTRICAL CONTRACTORS BID

INCLUDE ESTIMATED COST PLUS +15% FOR PROCUREMENT AND INSTALLATION OF FULLY FUNCTIONAL DISTRIBUTED AMPLIFIER SYSTEM / BI DIRECTIONAL AMPLIFIER SYSTEM IN CONFORMANCE WITH SPECIFICATIONS 285000 AS A SEPARATE LINE ITEM OF THE ELECTRICAL CONTRACTORS BID PRICE.

UTILIZE CURRENTLY ADOPTED CODES AND AMENDMENTS FOR DISTRIBUTED AMPLIFIER SYSTEM / BI DIRECTIONAL AMPLIFIER DESIGN REQUIREMENTS.

THE DISTRIBUTED AMPLIFIER SYSTEM / BI DIRECTIONAL AMPLIFIER SYSTEM RADIO SHALL BE LOCATED IN STORAGE ROOM, ELECTRICAL ROOM, ETC ON THE HIGHEST LEVEL OF THE BUILDING.

PROVIDE TWO DEDICATED 120V 20 AMP BRANCH CIRCUITS TO POWER DISTRIBUTED AMPLIFIER SYSTEM / BI DIRECTIONAL AMPLIFIER SYSTEM AT RADIO LOCATION.

SHALL BE CONCEALED AREAS IN WALLS AROVE HARD CEILINGS AND SIMILAR (NON-ACCESSIBLE AREAS) SHALL BE IN CONDUIT. EXPOSED CABLING IS NOT

DISTRIBUTED AMPLIFIER SYSTEM / BI DIRECTIONAL AMPLIFIER SYSTEM CABLING

REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

#### **ELECTRICAL SPECIFICATIONS**

- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE LOCALLY ADOPTED ELECTRICAL CODE, ALL LOCAL CODES, AND TO THE FULL ACCEPTANCE OF THE AUTHORITY HAVING JURISDICTION.
- OBTAIN ALL PERMITS, COORDINATE, FURNISH, INSTALL, CONNECT AND TEST ALL ELECTRICAL EQUIPMENT REQUIRED FOR ALL THE SYSTEMS INSTALLED UNDER THIS CONTRACT TO INSURE COMPLETE AND FULLY OPERATIONAL
- CONTRACTOR SHALL MAINTAIN A COMPLETE SET OF AS-BUILT DRAWINGS. AS-BUILT SET OF DRAWINGS SHALL BE UPDATED DAILY AND SHALL DOCUMENT THE ACTUAL INSTALLED CONDITION OF THE ENTIRE ELECTRICAL INSTALLATION. AS-BUILT SET OF DRAWINGS SHALL BE AVAILABLE AT ALL TIMES ON THE SITE FOR INSPECTION BY CODE OFFICIALS, OWNER, ARCHITECT, AND ENGINEER.
- PROTECT ALL EXISTING WORK FROM DAMAGE DURING CONSTRUCTION. DESIGN IS BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS TO DETERMINE STATUS OF ACTUAL CONDITIONS AS THEY RELATE TO THE SCOPE OF WORK AS SHOWN ON THESE
- COORDINATE ALL ELECTRICAL WORK WITH ALL OTHER TRADES.
- COORDINATE EXACT LOCATION AND MOUNTING HEIGHTS OF ALL ELECTRICAL EQUIPMENT AND DEVICES WITH THE ARCHITECTURAL ELEVATIONS AND DETAILS PRIOR TO ROUGH-IN.
- DEMOLITION WORK IS A PART OF THIS PROJECT. SEE DRAWINGS FOR EXISTING ELECTRICAL DEVICES TO BE REMOVED. REMOVE ASSOCIATED BOXES, RACEWAYS AND CONDUCTORS BACK TO SOURCE, AND MAKE SAFE
- ALL MATERIALS AND EQUIPMENT FURNISHED TO THE PROJECT SHALL BE NEW AND SHALL BEAR THE LISTING LABEL OF A NATIONALLY RECOGNIZED TESTING LAB AS DEFINED BY OSHA.

ALL ELECTRICAL DEVICES AND TERMINALS SHALL BE RATED 75°C MINIMUM. ALL CONDUCTORS SHALL BE STRANDED COPPER 600 VOLT RATED INSULATION TYPE SHALL BE THHN/THWN. FULLY COLOR CODED WITH GAUGE TYPE AND MANUFACTURER MARKED EVERY 24" ALONG. CONDUCTOR COLOR

208Y/120 VOLT SYSTEM 480Y/277 VOLT SYSTEM PHASE A - BROWN - ORANGE - YELLOW GROUND

MINIMUM SIZE WIRE FOR POWER AND LIGHTING CIRCUITS SHALL BE #12 AWG ALL POWER AND LIGHTING CONDUCTORS SHALL BE ROUTED IN 3/4" CONDUIT

EMT OR MC TYPE CABLE IS ALLOWED WHEN CONCEALED IN INTERIOR SPACES. MC TYPE CABLE IS NOT ALLOWED FOR HOMERUNS. MAKE ALL CONNECTIONS TO EQUIPMENT PER MANUFACTURER'S

ALL EQUIPMENT, SWITCHING DEVICES AND PANELS SHALL BE MOUNTED SO AS TO BE ACCESSIBLE AND SHALL BE MOUNTED PLUMB AND SQUARE WITH

DEVICES AND RACEWAYS PENETRATING FIRE RATED WALLS AND FLOORS SHALL BE SEALED WITH FIRE RESISTIVE MATERIAL, COMPATIBLE WITH CONSTRUCTION PENETRATED, TO MAINTAIN RATING OF THE WALL. SEALANT SYSTEM SHALL BE A U.L. APPROVED SYSTEM AND INSTALLED PER

MANUFACTURER'S INSTRUCTIONS. FURNISH AND INSTALL PULL CORD IN ALL EMPTY CONDUITS.

ALL JUNCTION BOX COVERS WITH POWER WIRING SHALL HAVE THE PANEL AND CIRCUIT LABELED ON THE OUTSIDE SURFACE. ALL LABELS FOR EXPOSED JUNCTION BOXES IN "FINISHED AREAS" SHALL BE LABELED UTILIZING SELF ADHESIVE LABELS PRODUCED BY A MECHANICAL LABELING MACHINE. LABELS FOR JUNCTION BOX COVERS IN CONCEALED LOCATIONS SHALL CONSIST OF THE INFORMATION BEING NEATLY HANDWRITTEN ON THE OUTSIDE SURFACE OF THE COVER WITH A PERMANENT STYLE MARKER.

CLEARLY LABEL ALL ACCESSIBLE CONDUIT STUBS WITH SYSTEM NAME AND LOCATION (ROOM NUMBER) WHERE THE OTHER END OF THE CONDUIT TERMINATES. USE INDELIBLE INK. THE LABELS SHALL BE LOCATED ON THE

ALL 1 POLE BREAKER CIRCUITS SHALL HAVE AN INDEPENDENT NEUTRAL

CONDUCTOR. NO EDISON STYLE SHARED NEUTRAL CONDUCTORS ARE ALL CONDUCTORS IN ELECTRICAL PANELS, CABINETS AND EQUIPMENT SHALL

BE NEATLY TRAINED AND LACED.

THE CONTRACTOR SHALL PROVIDE UPDATED CIRCUIT PANEL DIRECTORIES FOR ALL PANELS. DIRECTORIES SHALL BE TYPED.

VALUE FROM THE LOCAL UTILITY OR THE ONE-LINE DIAGRAM AND LABEL THE

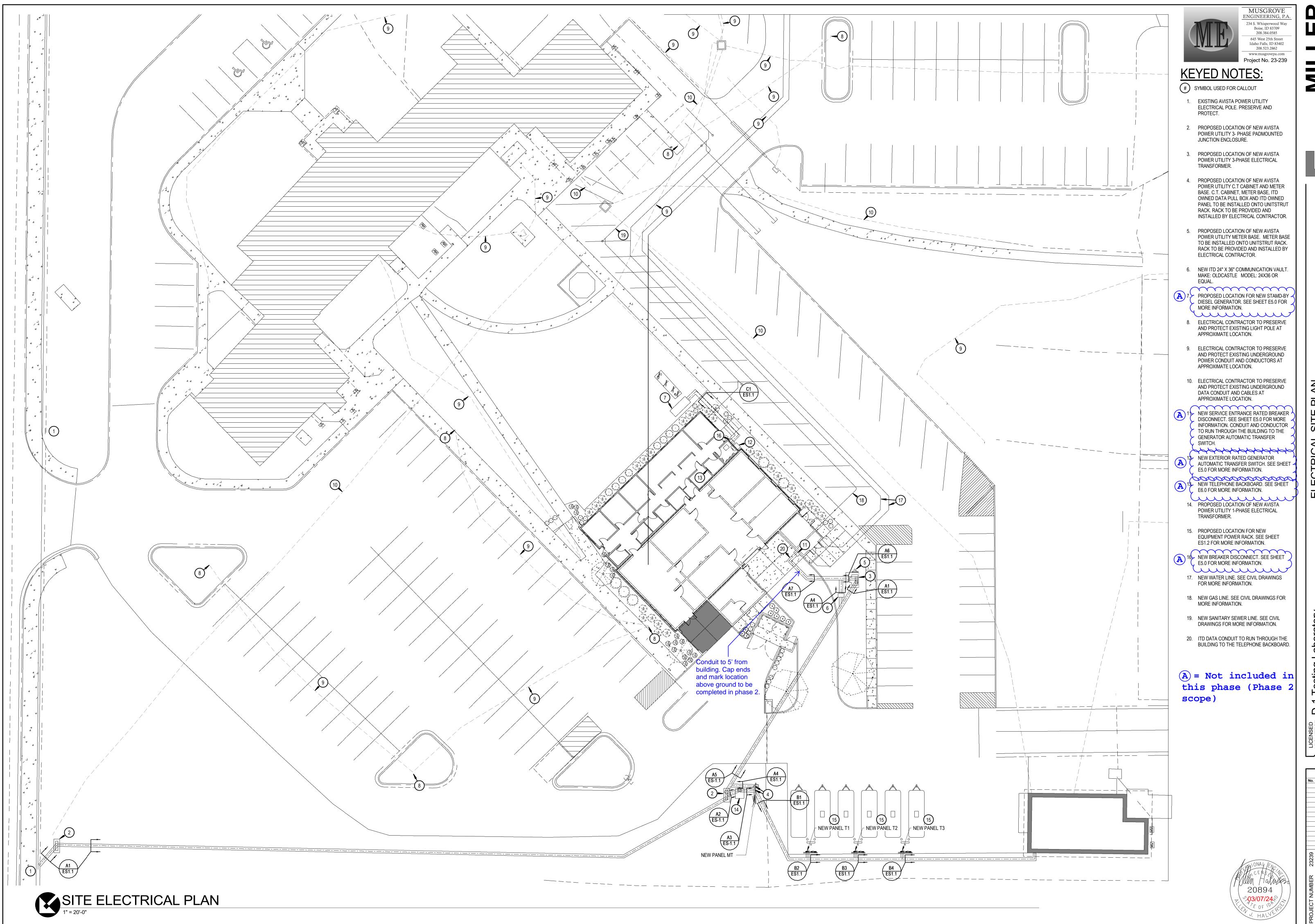
PROVIDE ELECTRICAL SUBMITTALS FOR EQUIPMENT SHOWN AS REQUIRED BY DIVISION 1 SPECIFICATIONS. ELECTRICAL CONTRACTOR SHALL OBTAIN THE AVAILABLE FAULT CURRENT

SWITCH AND RECEPTACLE LABELING: IDENTIFY PANELBOARD AND CIRCUIT NUMBER FROM WHICH DEVICES ARE SERVED. USE MACHINE PRINTED LABEL AND 1/8" TEXT. INSTALL ON THE OUTSIDE OF THE FACEPLATE FOR RECEPTACLES AND INSIDE THE FACEPLATE FOR SWITCHES.

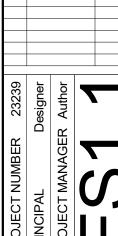
MAIN BREAKER WITH THAT VALUE.

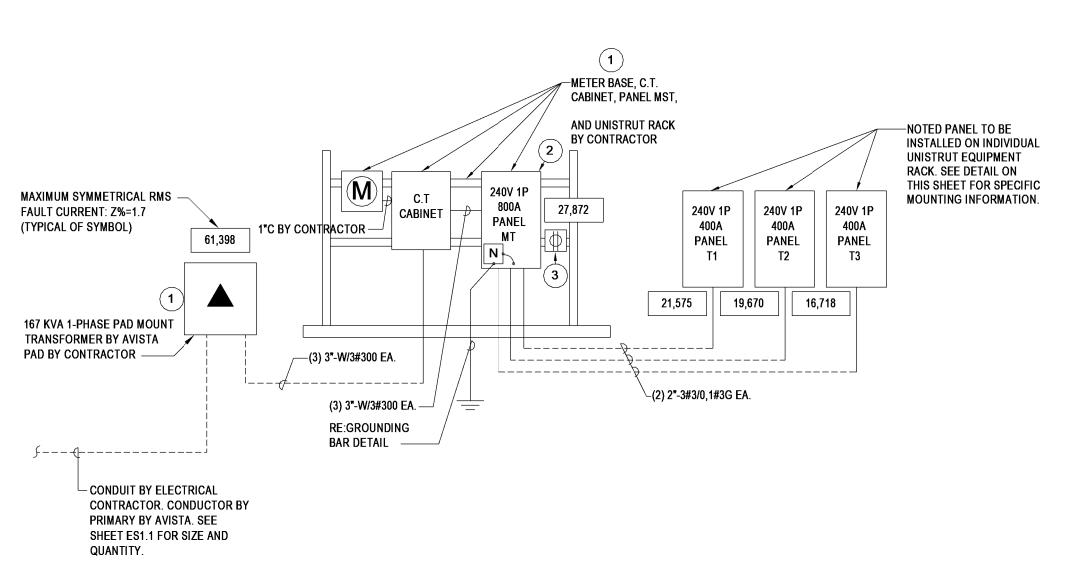
#### FIRE ALARM - DESIGN BUILD NOTES

- A. THE FIRE ALARM SYSTEM WILL BE DESIGN BUILD BY THE CONTRACTOR. THE FIRE ALARM CONTRACTOR SHALL PRODUCE A FIRE ALARM SUBMITTAL THAT INCLUDES ALL DRAWINGS, CALCULATIONS AND CUT SHEETS REQUIRED TO OBTAIN COMPLETE APPROVAL FROM ALL APPROVING AGENCIES.
- 3. THE FIRE ALARM CONTRACTOR SHALL PROVIDE FIRE ALARM SUBMITTALS TO THE ENGINEER OF RECORD FOR REVIEW PRIOR TO SUBMITTING TO THE AUTHORITY HAVING JURISDICTION AND AND SHALL NOT PROCEED UNTIL THESE SUBMITTALS HAVE BEEN REVIEWED, APPROVED AND RETURNED.
- C. REFER TO THE ARCHITECTURAL CODE PLAN(S) FOR THE OCCUPANCY TYPES AND
- D. UTILIZE CURRENTLY ADOPTED CODES AND AMENDMENTS FOR FIRE ALARM
- THE BUILDING IS FULLY SPRINKLED WITH BOTH WET AND DRY SPRINKLER SYSTEMS.
- F. THE FIRE ALARM CONTRACTOR SHALL PROVIDE AND INSTALL ALL FIRE ALARM INITIATING, MONITORSMODKE/ FIRE/ CARBON MONOXIDE), INTERFACE AND RELATED DEVICES AND EQUIPMENT AS REQUIRED FOR A COMPLETE AND FUNCTIONING CODE COMPLIANT SYSTEM.
- G. THE FIRE ALARM SYSTEM SHALL PROVIDE ALL REQUIRED NOTIFICATION THROUGH OUT THE FACILITY. COORDINATE THE MOUNTING HEIGHTS OF THE NOTIFICATION DEVICES WITH THE CEILING AND STRUCTURE HEIGHTS IN THE BUILDING. REFER TO ARCHITECTURAL PLANS FOR CEILING/STRUCTURE INFORMATION.
- H. PROVIDE ALL IN-DUCT AND/OR DUCT SMOKE DUCT DETECTORS AS REQUIRED. COORDINATE THE FINAL QUANTITY AND LOCATIONS WITH MECHANICAL
- THE FIRE ALARM CONTROL PANEL SHALL BE LOCATED IN THE FIRE RISER ROOM. THE NOTIFICATION APPLIANCE CIRCUIT POWER SUPPLIES SHALL BE LOCATED IN ELECTRICAL ROOMS, STORAGE AND SIMILAR ROOMS ADJACENT TO ELECTRICAL
- PROVIDE 120V POWER, CONTROL RELAYS AND IN-DUCT DETECTORS FOR ALL SMOKE AND SMOKE/FIRE DAMPERS. COORDINATE WITH MECHANICAL PLANS.
- K. PROVIDE SMOKE DETECTORS, RELAYS AND RELATED CONNECTIONS FOR ALL DOOR
- .. PROVIDE ALL 120V CIRCUITS AS REQUIRED TO ACCOMMODATE FIRE ALARM CONTROL PANEL, DRY SYSTEM AIR COMPRESSOR(S), NITROGEN GENERATOR(S), FIRE BELLS, NAC EXTENDER PANELS, AMPLIFIER PANELS AND RELATED ITEMS.
- M. ALL FIRE ALARM CIRCUIT BREAKERS SHALL HAVE A RED HANDLE AND BE LOCKABLE
- N. THE FIRE ALARM SYSTEM SHALL INCLUDE A FLUSH MOUNTED REMOTE ANNUNCIATOR LOCATED IN AN OCCUPIED AREA IN ITOHERY, RECEPTION OR SIMILAR AREANIE) LOCATION(S) SHALL BE COORDINATED WITH THE ARCHITECT AND OWNER PRIOR TO PREPARING THE REQUIRED SUBMITTALS.
- FIRE ALARM CABLING SHALL BE CONCEALED. AREAS IN WALLS, ABOVE HARD CEILINGS AND SIMILAR (NON-ACCESSIBLE AREAS) SHALL BE IN CONDUIT. EXPOSED
- P. PROVIDE ALL DETECTION, MONITOR AND CONTROL DEVICES AS REQUIRED FOR THE
- Q. THE BUILDING HAS A FIRE PUMP. PROVIDE ALL MONITORING AND CONTROLS AS REQUIRED.
- R. THE FIRE ALARM CONTRACTOR SHALL PRODUCE RECORD DOCUMENTS OF THE ACTUAL SYSTEM AS INSTALLED. THE RECORD DOCUMENTS SHALL BE PRODUCED TO THE ACCEPTANCE OF THE ARCHITECT AND ENGINEER. ONE COMPLETE SET OF PRINTED DOCUMENTS AND A PDF VERSION SHALL BE DELIVERED TO THE ARCHITECT.
- S. INSTALL PLENUM RATED FIRE ALARM CONDUCTORS FROM ALL FIRE ALARM DEVICES INDICATED TO THE FIRE ALARM CONTROL PANEL OR NAC EXTENDER PANEL(S) AS REQUIRED. STUB 3/4" CONDUIT FROM DEVICE TO VOID ABOVE CEILING. PROVIDE NAC EXTENDER PANELS (QUANTITY AS REQUIRED) IN LOCATIONS INDICATED AND CIRCUITING AS REQUIRED FOR A COMPLETE INSTALLATION. CIRCUIT THE FIRE ALARM NOTIFICATION AND INITIATION DEVICES PER THE ELECTRICAL SPECIFICATIONS. FURNISH AND INSTALL ALL APPURTENANCES AND PROGRAMMING REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. REFER TO ELECTRICAL FIRE ALARM SPECIFICATIONS FOR SYSTEM REQUIREMENTS AND SUBMITTAL PROCEDURES.
- T. REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION. THESE DESIGN BUILD NOTES REPLACE THE TYPICAL FIRE ALARM SYMBOL ON THE COVER SHEET.



Boise, ID 83709 208.384.0585 645 West 25th Street Idaho Falls, ID 83402 208.523.2862





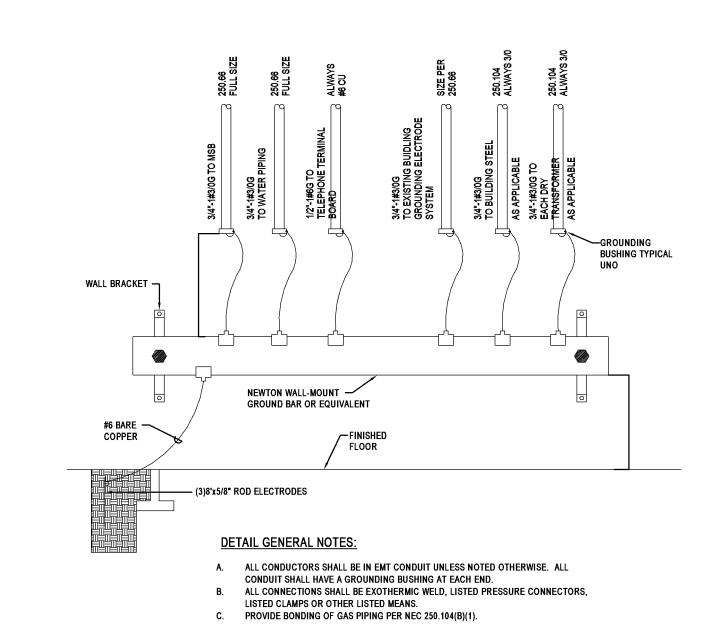
## **GENERAL NOTES:**

- CONDUIT, CONDUCTORS AND AIC CALCULATIONS FOR ALL SERVICE, PANEL AND EQUIPMENT FEEDERS INDICATED ON THE ONE-LINE HAVE BEEN SIZED BASED ON COPPER. THE CONTRACTOR MAY USE COMPRESSED ALUMINUM CONDUCTORS FOR THESE FEEDERS PROVIDING THE CONDUIT CONDUCTOR SIZES AND AIC CALCULATIONS ARE ADJUSTED AS REQUIRED TO MEET ALL NATIONAL ELECTRICAL CODE REQUIREMENTS.
- B. FURNISH AND INSTALL ENGRAVED LABEL ON THE FRONT OF ALL ELECTRICAL EQUIPMENT NOTING THE AVAILABLE FAULT CURRENT VALUE SHOWN.
- C. A COORDINATION STUDY SHALL BE PERFORMED ON THE GROUND FAULT PROTECTION SYSTEM AND THE GROUND FAULT PROTECTION SYSTEM SHALL BE PERFORMANCE TESTED TO VERIFY PROPER OPERATION AS REQUIRED BY NEC 230.95 AT A MINIMUM. REFER TO SPECIFICATIONS FOR ADDITIONAL STUDY AND TESTING REQUIREMENTS.

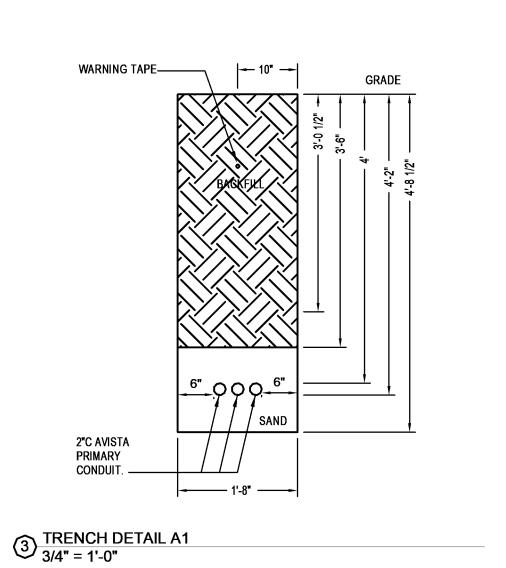
## **KEYED NOTES:**

(#) SYMBOL USED FOR NOTE CALLOUT.

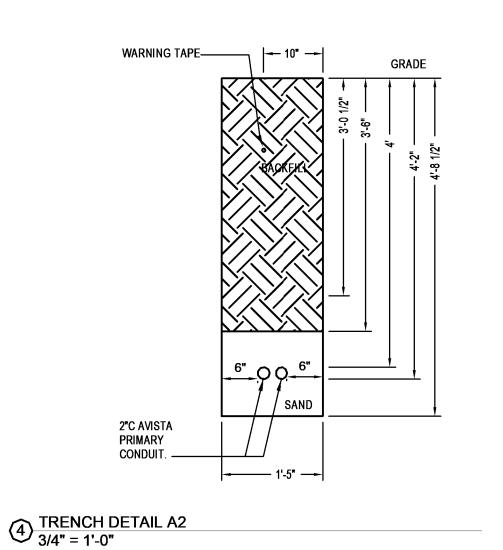
- 1. COORDINATE ALL PAD, VAULT, UNISTRUT RACK, METERING AND CT REQUIREMENTS WITH AVISTA PRIOR TO ROUGH IN. PROVIDE ALL MATERIALS REQUIRED FOR A COMPLETE INSTALLATION.
- 2. (3) 400A 2-POLE 240V BREAKERS PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR FOR PANELS T1, T2, AND T3. (1) 20A 1-POLE BREAKER FOR WEATHER PROOF HEAVY DUTY IN-USE RATED GFCI RECEPTACLE.
- 3. WEATHER PROOF HEAVY DUTY IN-USE RATED GFCI RECEPTACLE.

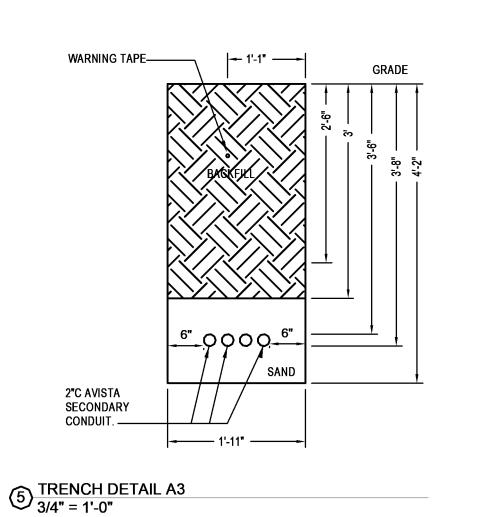


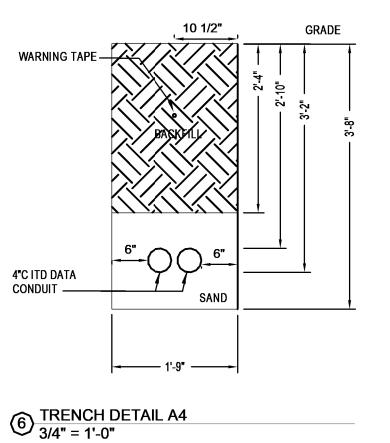
② GROUNDING DETAIL NTS

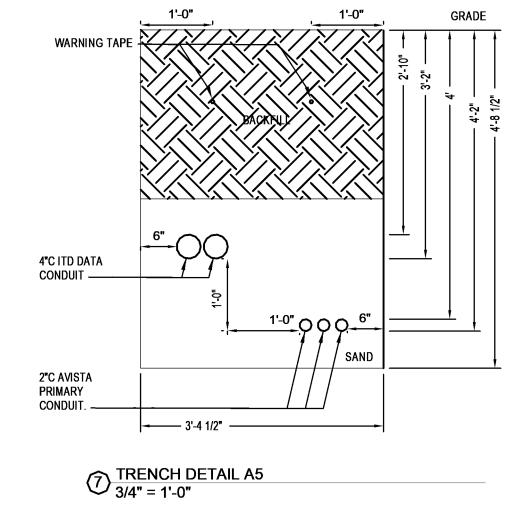


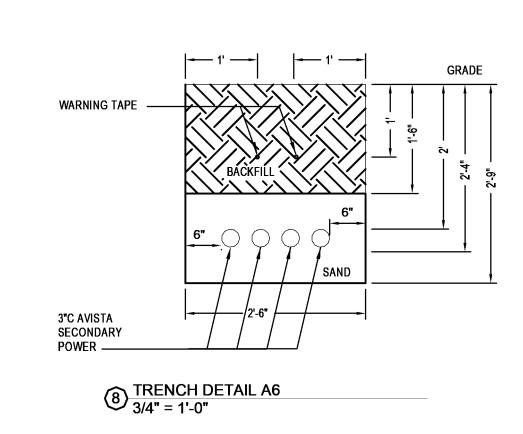
ONE-LINE DIAGRAM - TRAILERS
NTS

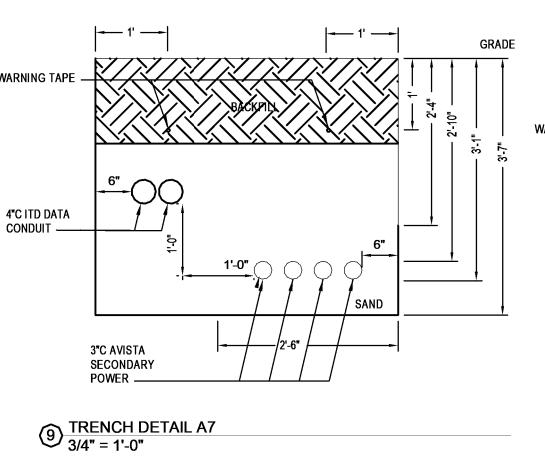


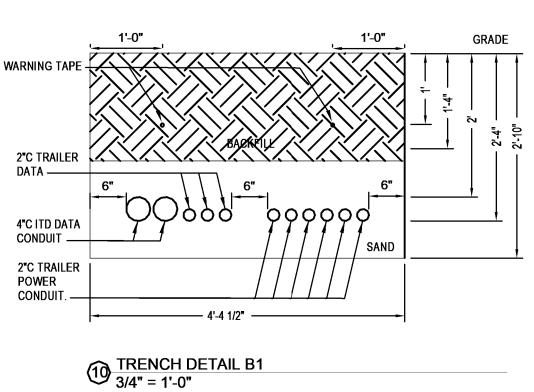


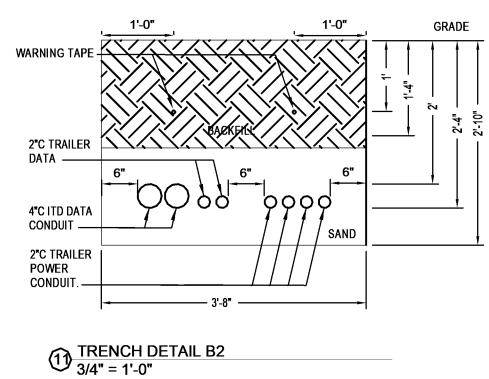


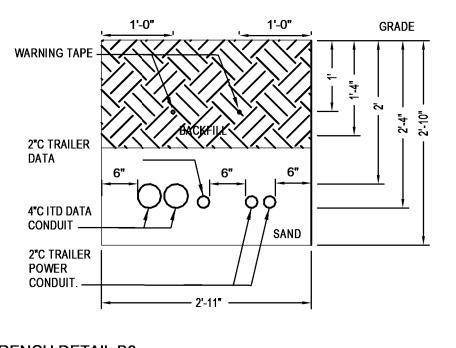


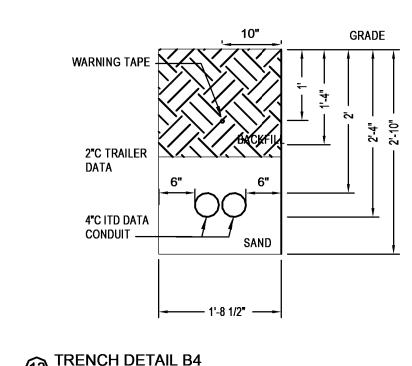


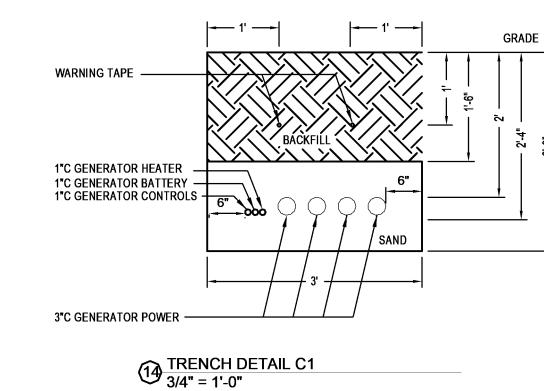


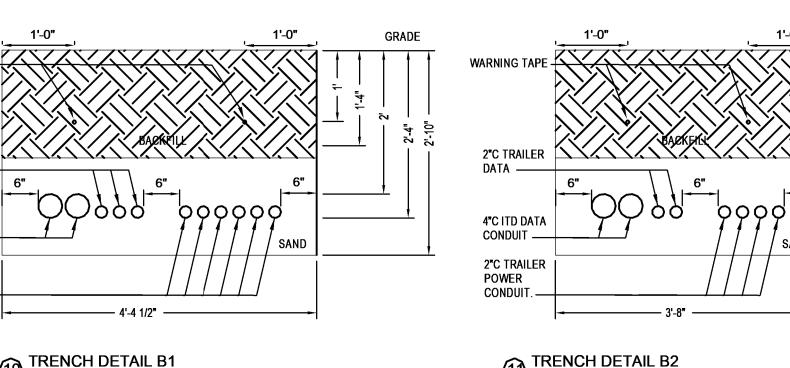












DETAILS

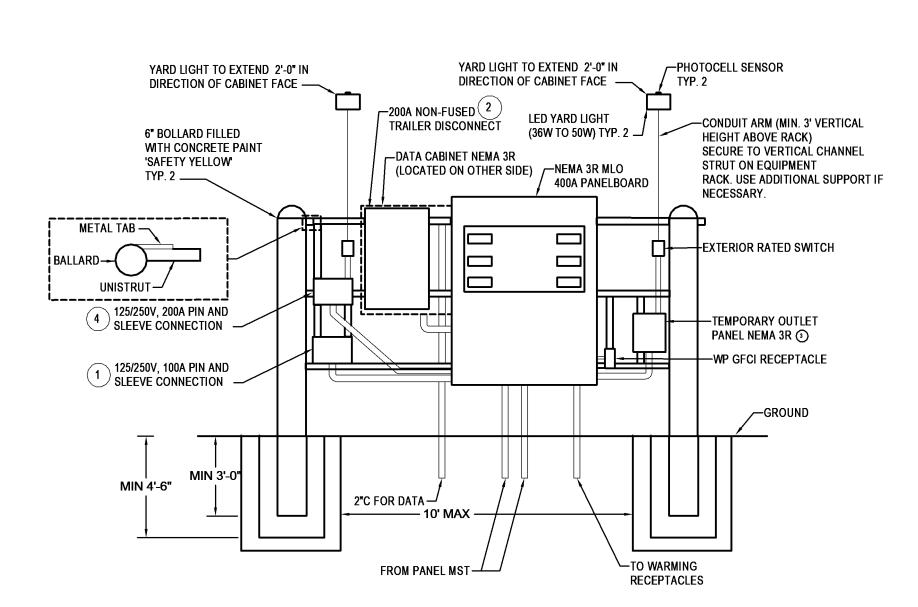
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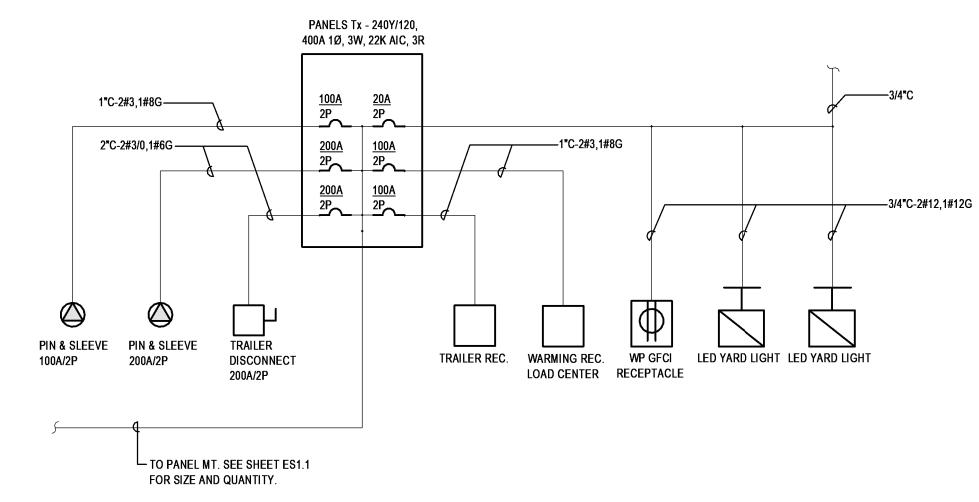
E ELECTRICAL DE PHASE 1 SONSTRUCTION 8 03/07/24

## **KEYED NOTES:**

(#) SYMBOL USED FOR NOTE CALLOUT.

- 1. APPLETON ADJA1034-150 (RECEPTACLE) AND ACP1034CD (PLUG) ON EQUIPMENT RACK. TRAILER WILL HAVE APPLETON ADJA1034-150RS (RECEPTACLE) AND ACP1034CDRS (PLUG). NEMA 3R ENCLOSURE REQUIRED.
- SQUARE D DTU224NRB DOUBLE-POLE DOUBLE-THROW SWITCH OR EQUAL. NEMA 3R ENCLOSURE REQUIRED.
- 3. VEVOR RV-30A/50A OR EQUAL. NEMA 3R ENCLOSURE REQUIRED.
- 4. APPLETON ADJA20034-200 (RECEPTACLE) AND AP20034E (PLUG) ON EQUIPMENT RACK. TRAILER WILL HAVE APPLETON ADJA20034-200RS (RECEPTACLE) AND ACP20034CDRS (PLUG). NEMA 3R ENCLOSURE REQUIRED.





1 EQUIPMENT RACK ELEVATION AND ONE-LINE NTS

