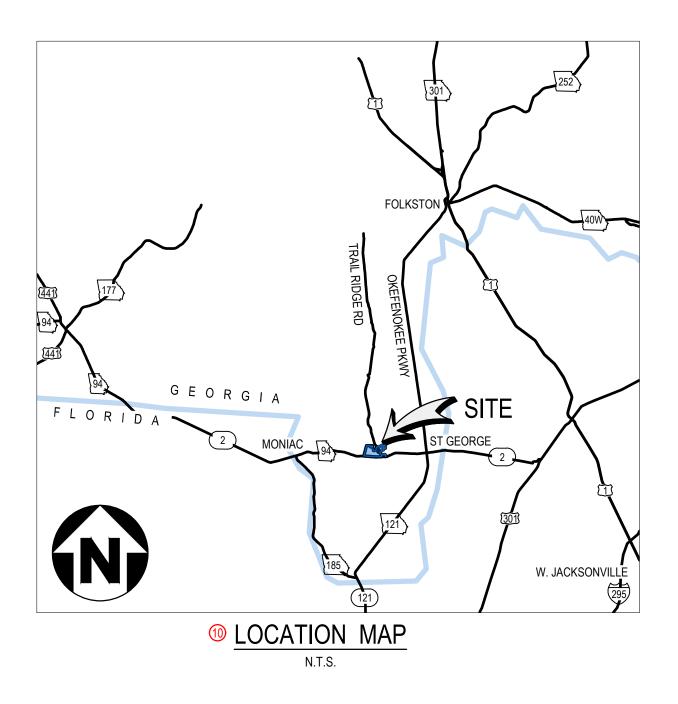
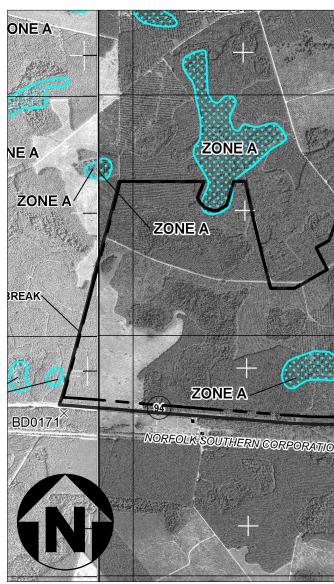


SAUNDERS DEMONSTRATION MINE



PREPARED FOR: TWIN PINES MINERALS, LLC 2100 SOUTHBRIDGE PARKWAY SUITE 540 BIRMINGHAM, ALABAMA 32091

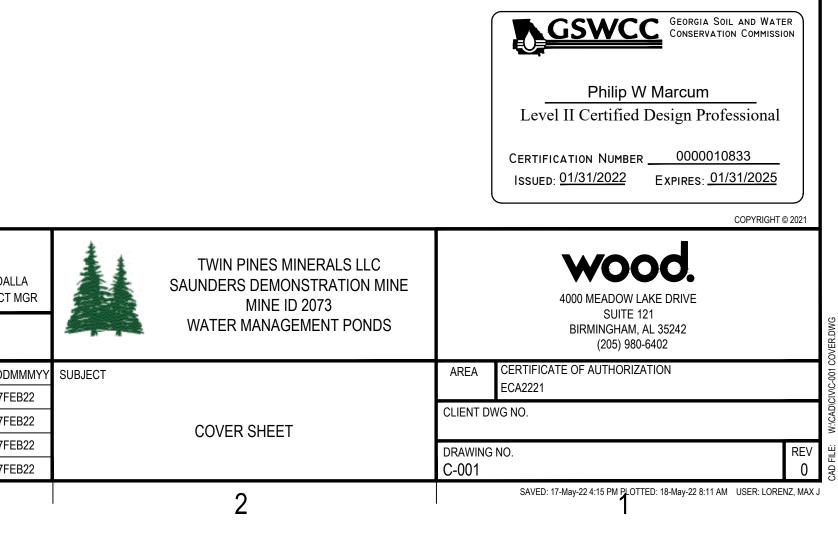


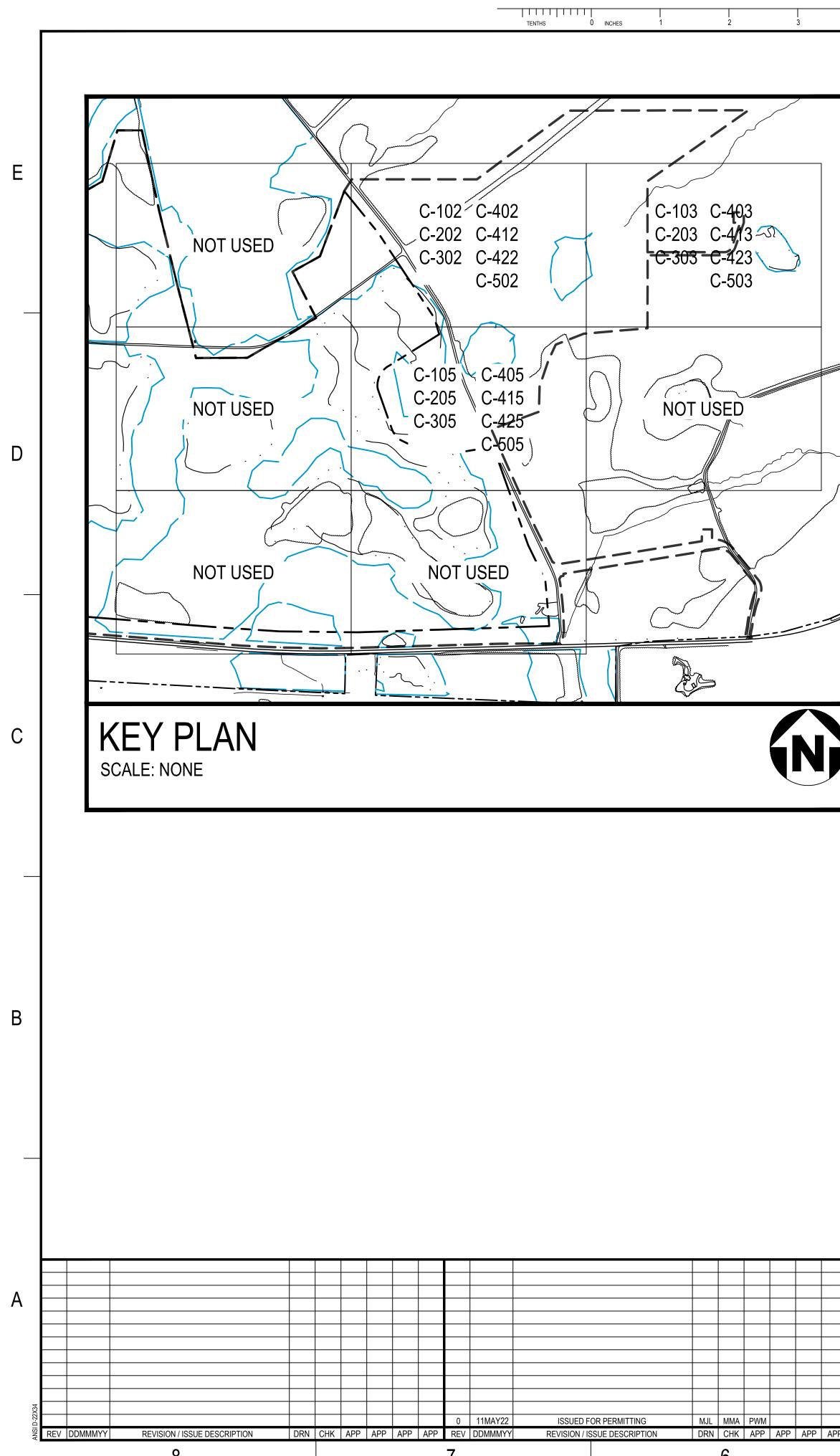


10 F.I.R.M. PANEL 1" = 2000'

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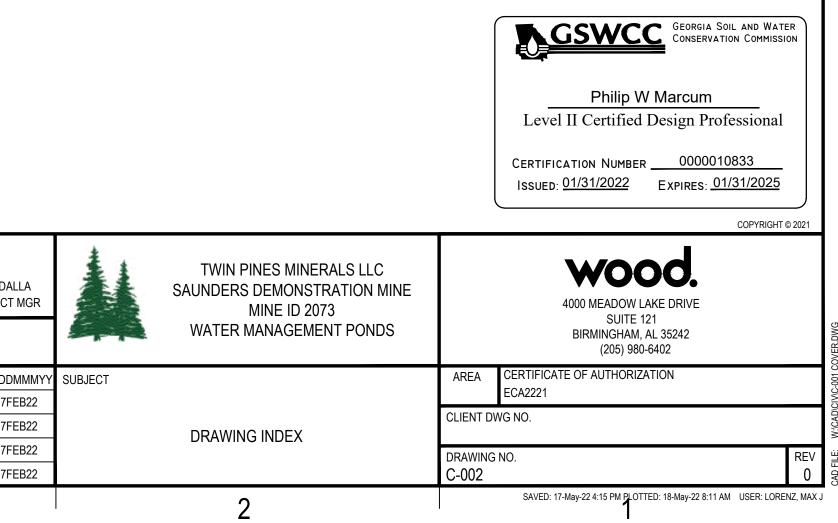


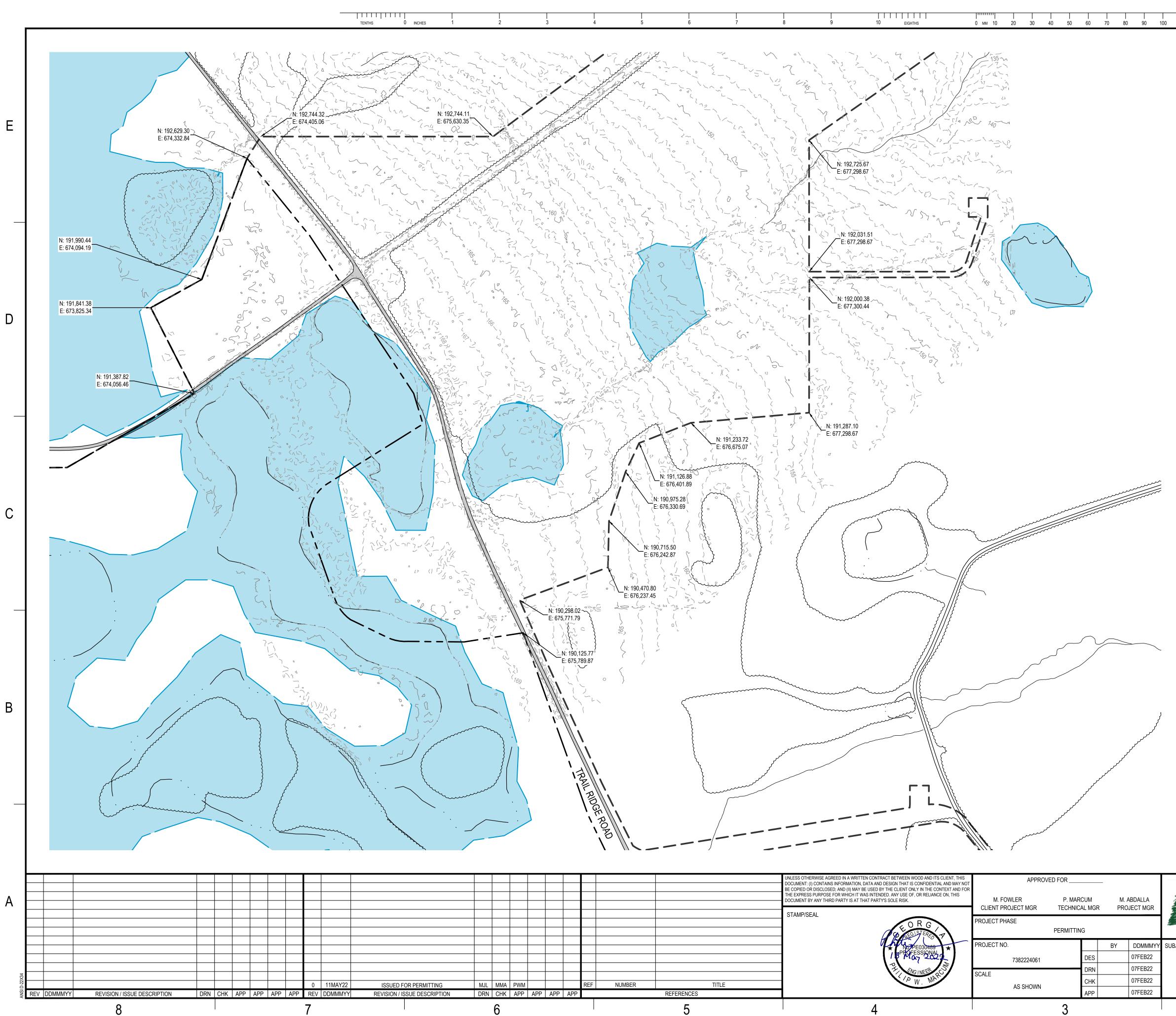
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C-001	COVER SHEET	C-500	OVERALL UTILITY PLAN
C-002	DRAWING INDEX	C-502	UTILITY PLAN SHEET 2
C-100	OVERALL EXISTING CONDITIONS PLAN	C-503	UTILITY PLAN SHEET 3
C-102	EXISTING CONDITIONS PLAN SHEET 2	C-505	UTILITY PLAN SHEET 5
C-103	EXISTING CONDITIONS PLAN SHEET 3	C-511	UTILITY DETAILS SHEET 1
C-105	EXISTING CONDITIONS PLAN SHEET 5	C-512	UTILITY DETAILS SHEET 2
C-200	OVERALL SITE PLAN	C-513	UTILITY DETAILS SHEET 3
C-202	SITE PLAN SHEET 2	C-514	UTILITY DETAILS SHEET 4
C-203	SITE PLAN SHEET 3	C-515	UTILITY DETAILS SHEET 5
C-205	SITE PLAN SHEET 5	C-521	PUMP STATION PLAN AND SECTION
C-300	OVERALL GRADING AND DRAINAGE PLAN	C-571	PROCESS FLOW DIAGRAM SHEET 1
C-302	GRADING AND DRAINAGE PLAN SHEET 2	C-572	PROCESS FLOW DIAGRAM SHEET 2
C-303	GRADING AND DRAINAGE PLAN SHEET 3	C-601	PERIMETER ROAD PLAN AND PROFILE SHEET 1
C-305	GRADING AND DRAINAGE PLAN SHEET 5	C-602	PERIMETER ROAD PLAN AND PROFILE SHEET 2
C-400	OVERALL INITIAL EROSION SEDIMENTATION AND POLLUTION CONTROL PLAN	C-603	PERIMETER ROAD PLAN AND PROFILE SHEET 3
C-402	INITIAL EROSION SEDIMENTATION AND POLLUTION CONTROL PLAN SHEET 2	C-604	PERIMETER ROAD PLAN AND PROFILE SHEET 4
C-403	INITIAL EROSION SEDIMENTATION AND POLLUTION CONTROL PLAN SHEET 3	C-605	PERIMETER ROAD PLAN AND PROFILE SHEET 5
C-405	INITIAL EROSION SEDIMENTATION AND POLLUTION CONTROL PLAN SHEET 5	C-606	PERIMETER ROAD PLAN AND PROFILE SHEET 6
C-410	OVERALL INTERMEDIATE EROSION SEDIMENTATION AND POLLUTION CONTROL PLAN	C-611	PUMP HOUSE ROAD PLAN AND PROFILE SHEET 1
C-412	INTERMEDIATE EROSION SEDIMENTATION AND POLLUTION CONTROL PLAN SHEET 2	C-612	PUMP HOUSE ROAD PLAN AND PROFILE SHEET 2
C-413	INTERMEDIATE EROSION SEDIMENTATION AND POLLUTION CONTROL PLAN SHEET 3	C-621	STORM DRAIN PLAN AND PROFILE
C-415	INTERMEDIATE EROSION SEDIMENTATION AND POLLUTION CONTROL PLAN SHEET 5	C-631	SITE CROSS SECTIONS SHEET 1
C-420	OVERALL FINAL EROSION SEDIMENTATION AND POLLUTION CONTROL PLAN	C-632	SITE CROSS SECTIONS SHEET 2
C-422	FINAL EROSION SEDIMENTATION AND POLLUTION CONTROL PLAN SHEET 2	C-633	SITE CROSS SECTIONS SHEET 3
C-423	FINAL EROSION SEDIMENTATION AND POLLUTION CONTROL PLAN SHEET 3	C-701	LINER DETAILS
C-425	FINAL EROSION SEDIMENTATION AND POLLUTION CONTROL PLAN SHEET 5	C-711	SITE DETAILS 1
C-431	EROSION SEDIMENTATION AND POLLUTION CONTROL NOTES SHEET 1	C-712	SITE DETAILS 2
C-432	EROSION SEDIMENTATION AND POLLUTION CONTROL NOTES SHEET 2	C-713	SITE DETAILS 3
C-433	EROSION SEDIMENTATION AND POLLUTION CONTROL NOTES SHEET 3	C-714	SITE DETAILS 4
C-439	EROSION SEDIMENTATION AND POLLUTION CONTROL CHECKLIST	C-801	POND CLOSURE PLAN
C-441	EROSION SEDIMENTATION AND POLLUTION CONTROL DETAILS SHEET 1		
C-442	EROSION SEDIMENTATION AND POLLUTION CONTROL DETAILS SHEET 2		

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 				BE COPIED OR DISCLOSED; AND (II) MAY BE USED BY THE CLIENT ONLY IN THE CONTEXT AND FOR THE EXPRESS PURPOSE FOR WHICH IT WAS INTENDED. ANY USE OF, OR RELIANCE ON, THIS DOCUMENT BY ANY THIRD PARTY IS AT THAT PARTY'S SOLE RISK.	M. FOWLER	P. MARCUM	M. ABDAL
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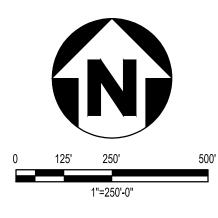






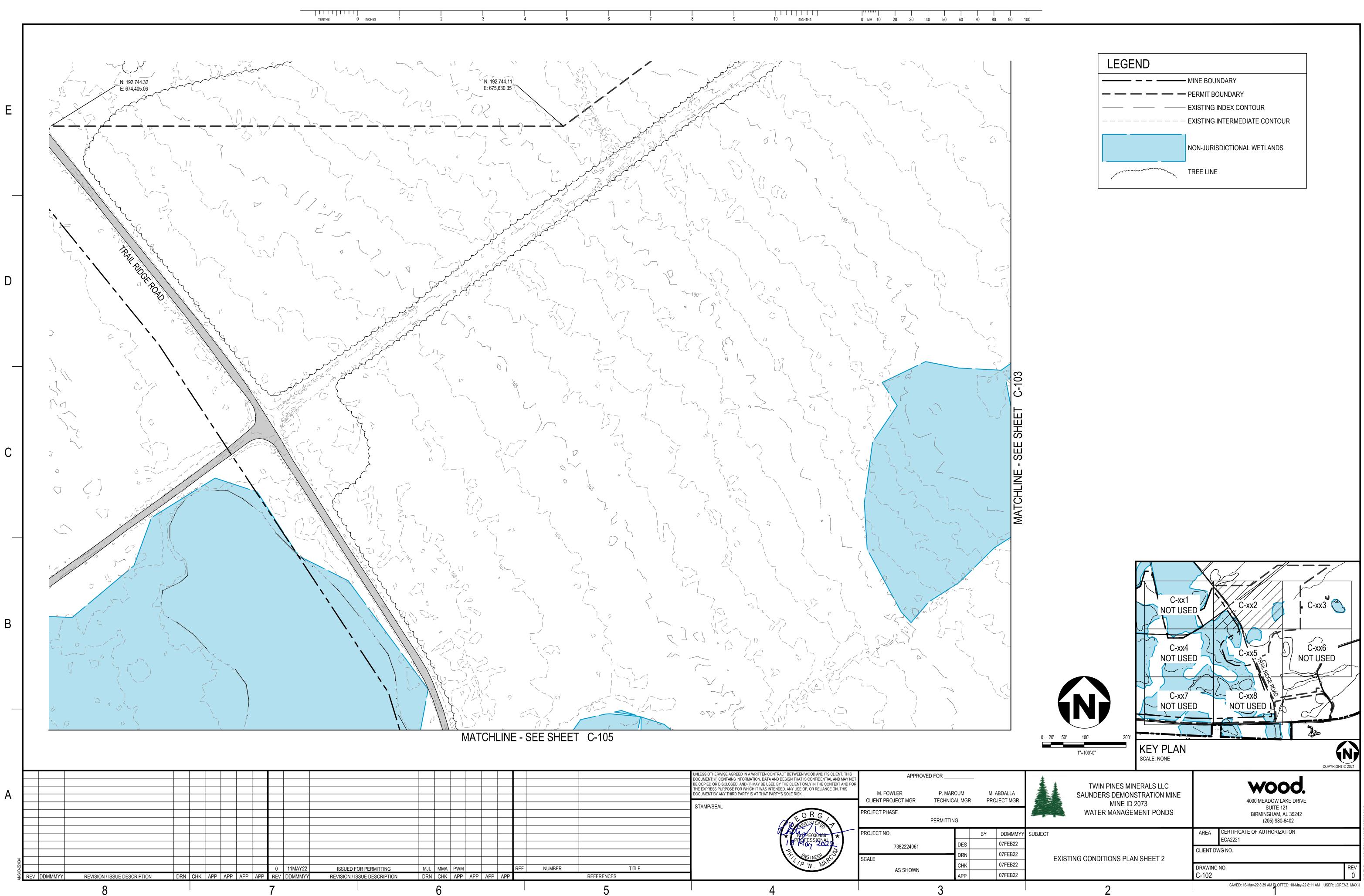
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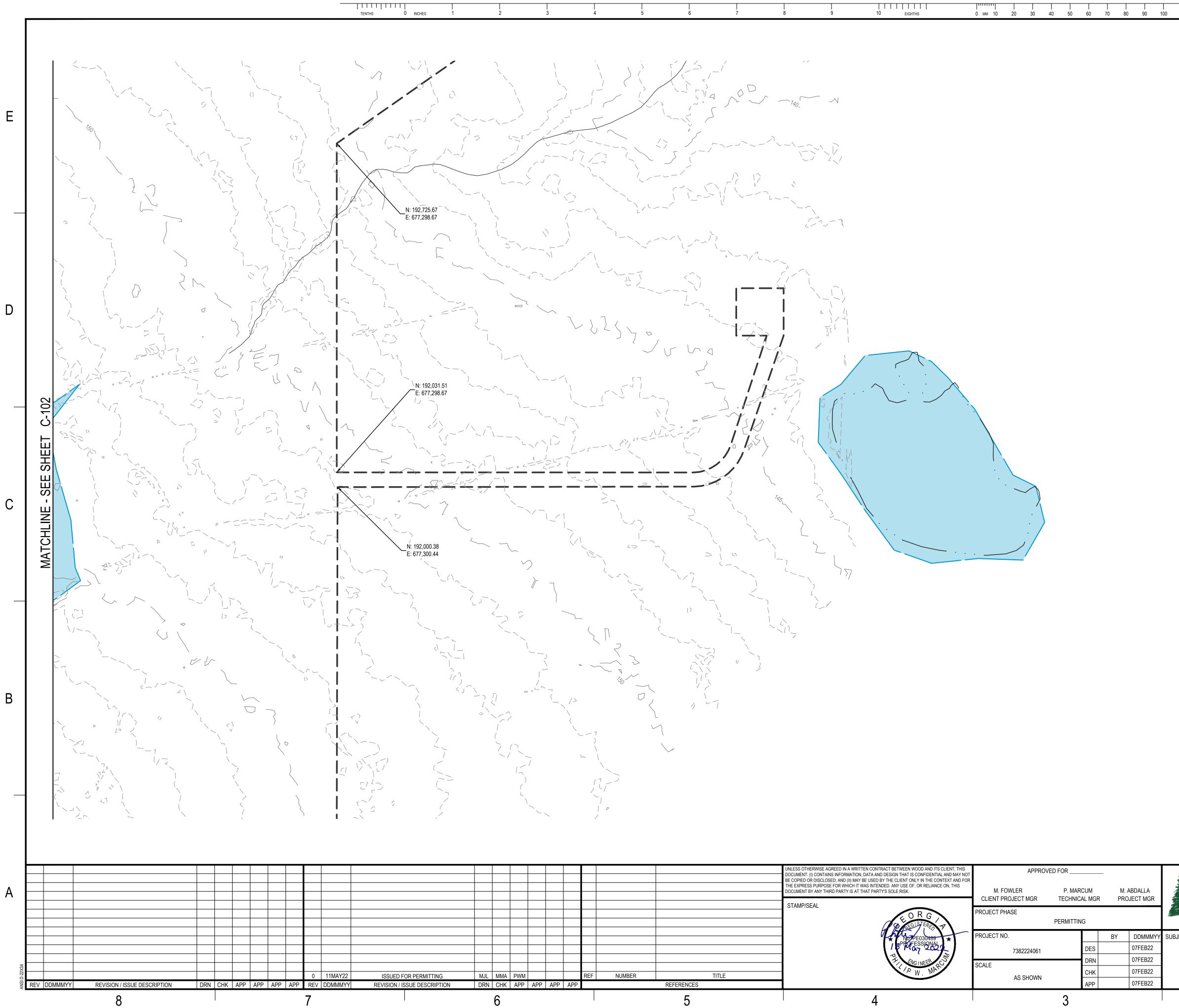




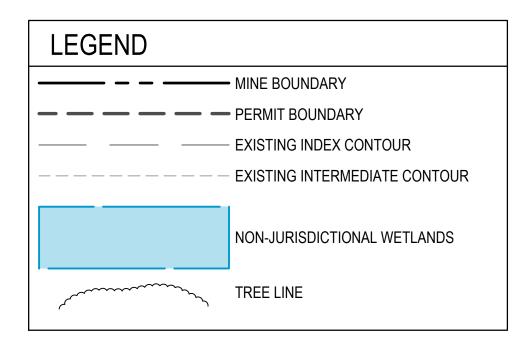
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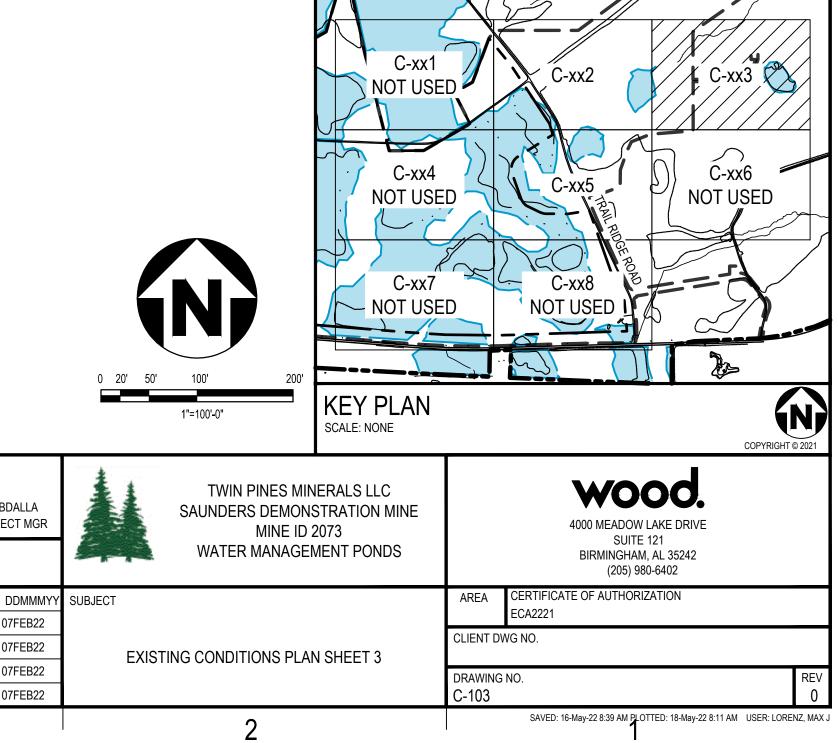
COPYRIGHT © 2021

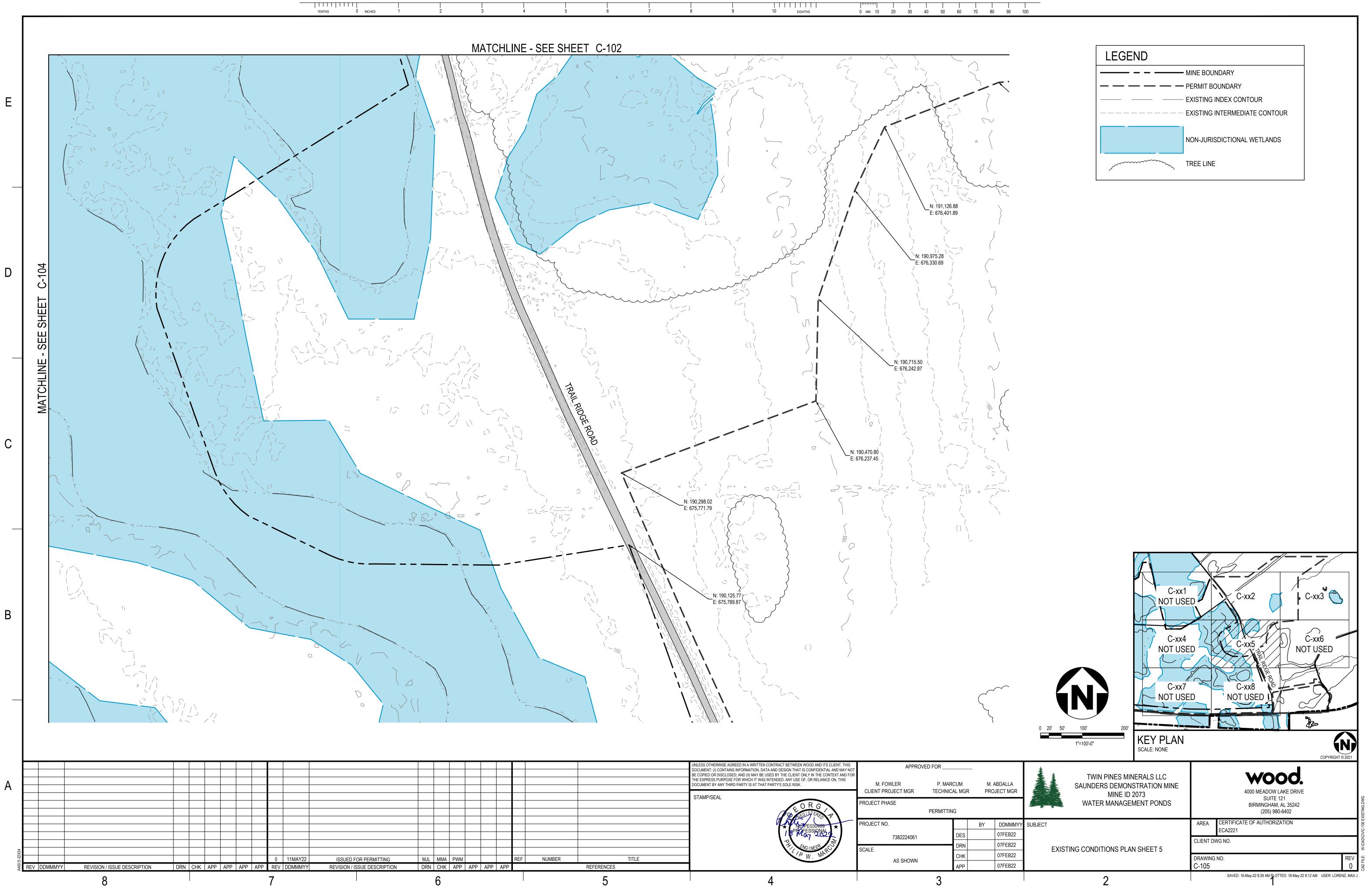




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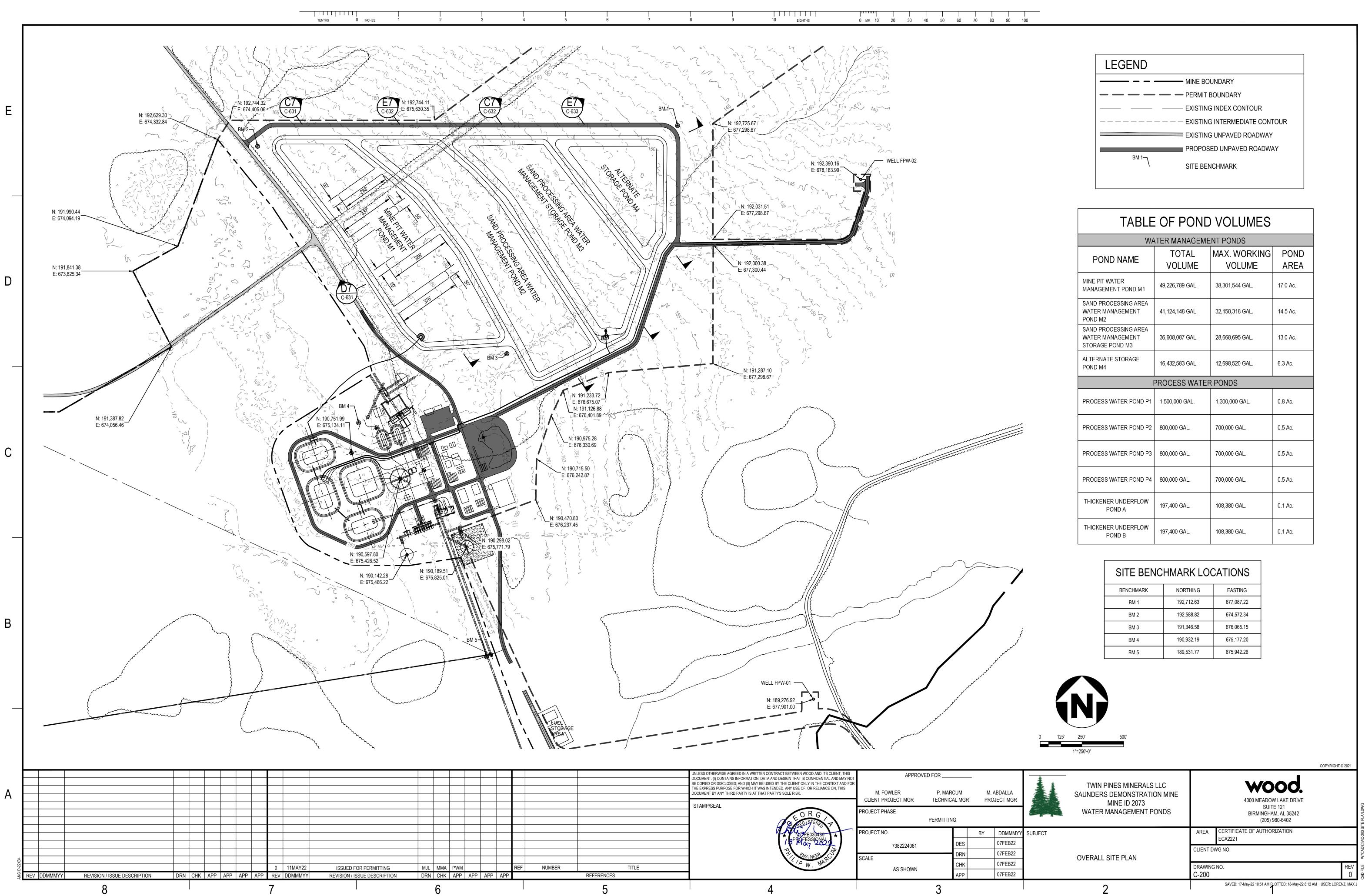






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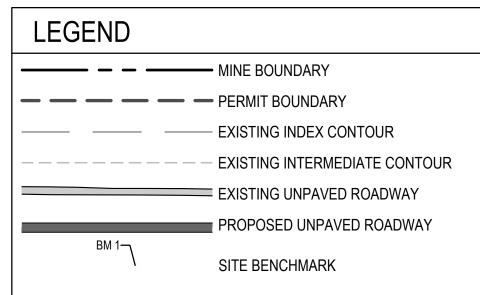
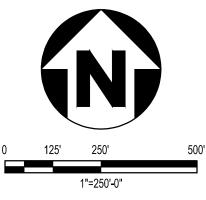
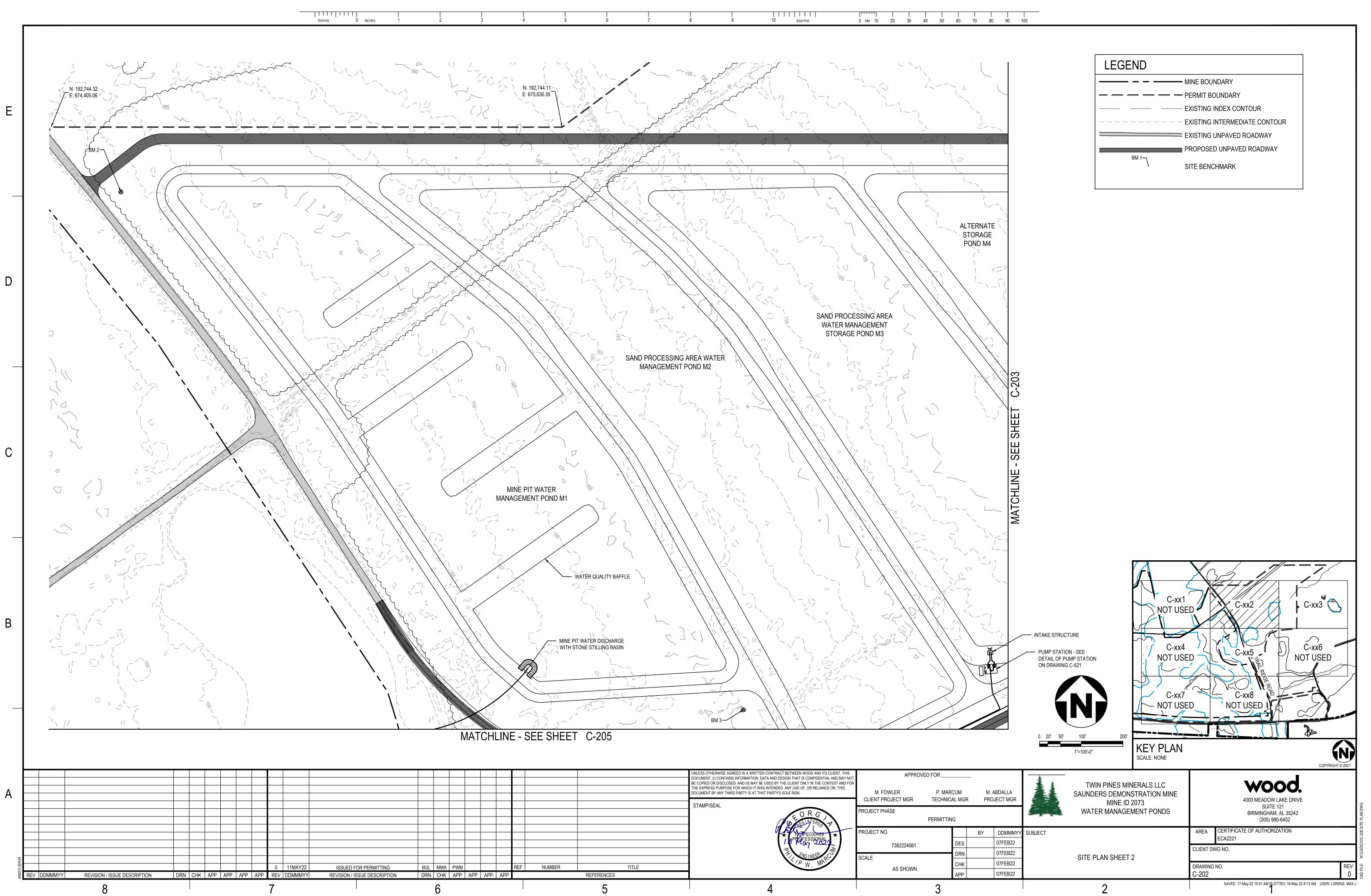


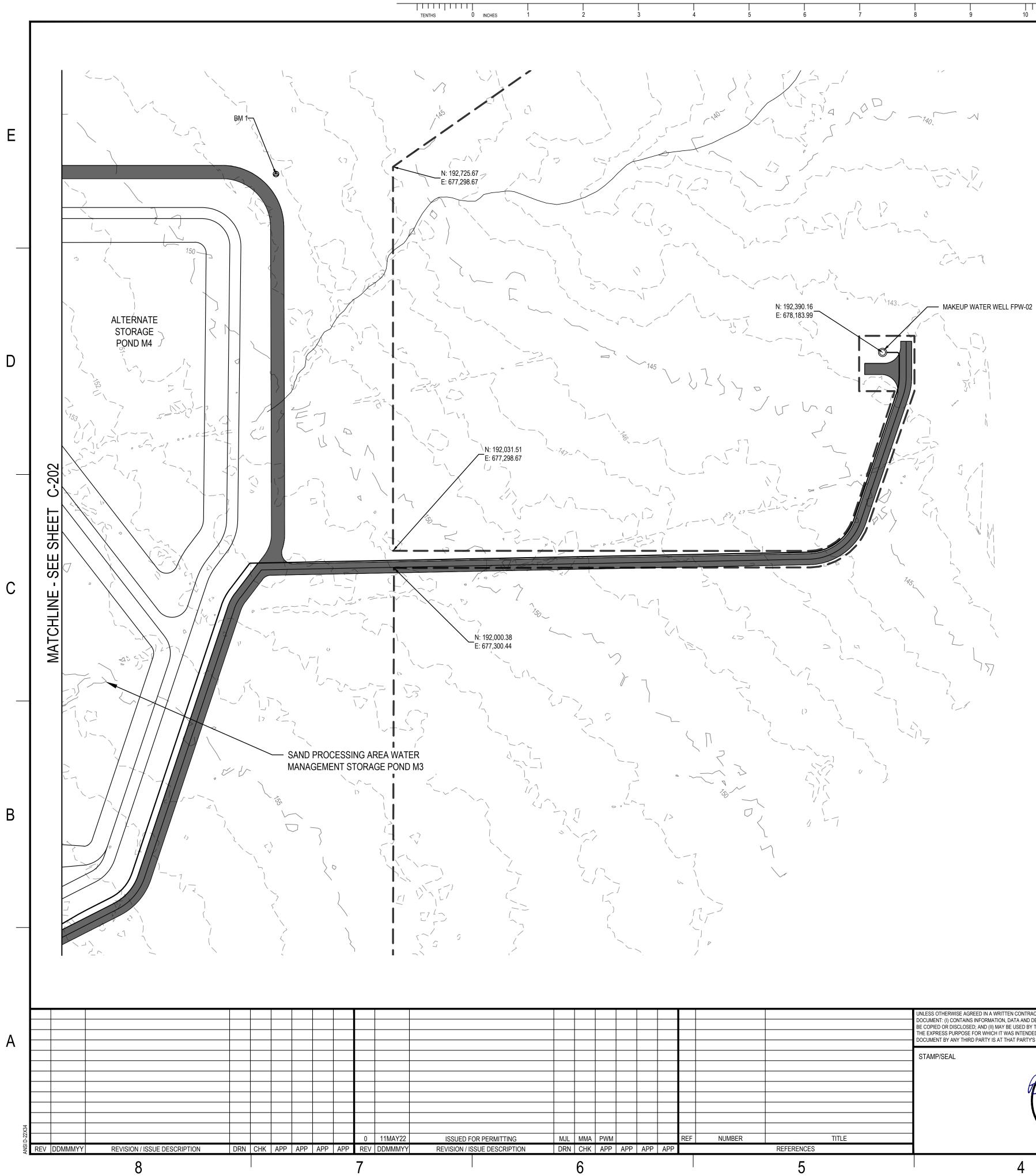
TABLE OF POND VOLUMES									
WA	TER MANAGEME	ENT PONDS							
POND NAME	TOTAL VOLUME	MAX. WORKING VOLUME	POND AREA						
MINE PIT WATER MANAGEMENT POND M1	49,226,789 GAL.	38,301,544 GAL.	17.0 Ac.						
SAND PROCESSING AREA WATER MANAGEMENT POND M2	41,124,148 GAL.	32,158,318 GAL.	14.5 Ac.						
SAND PROCESSING AREA WATER MANAGEMENT STORAGE POND M3	36,608,087 GAL.	28,668,695 GAL.	13.0 Ac.						
ALTERNATE STORAGE POND M4	16,432,583 GAL.	12,698,520 GAL.	6.3 Ac.						
ŀ	PROCESS WATER	R PONDS							
PROCESS WATER POND P1	1,500,000 GAL.	1,300,000 GAL.	0.8 Ac.						
PROCESS WATER POND P2	800,000 GAL.	700,000 GAL.	0.5 Ac.						
PROCESS WATER POND P3	800,000 GAL.	700,000 GAL.	0.5 Ac.						
PROCESS WATER POND P4	800,000 GAL.	700,000 GAL.	0.5 Ac.						
THICKENER UNDERFLOW POND A	197,400 GAL.	108,380 GAL.	0.1 Ac.						
THICKENER UNDERFLOW POND B	197,400 GAL.	108,380 GAL.	0.1 Ac.						

SITE BENCHMARK LOCATIONS									
BENCHMARK	NORTHING	EASTING							
BM 1	192,712.63	677,087.22							
BM 2	192,588.82	674,572.34							
BM 3	191,346.58	676,065.15							
BM 4	190,932.19	675,177.20							
BM 5	189,531.77	675,942.26							



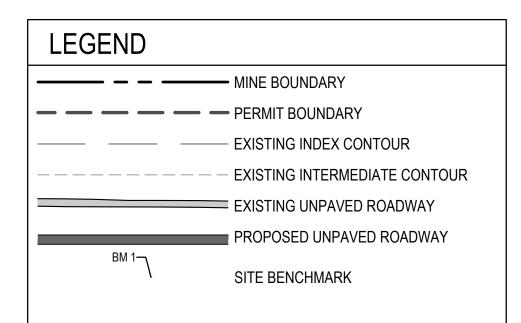


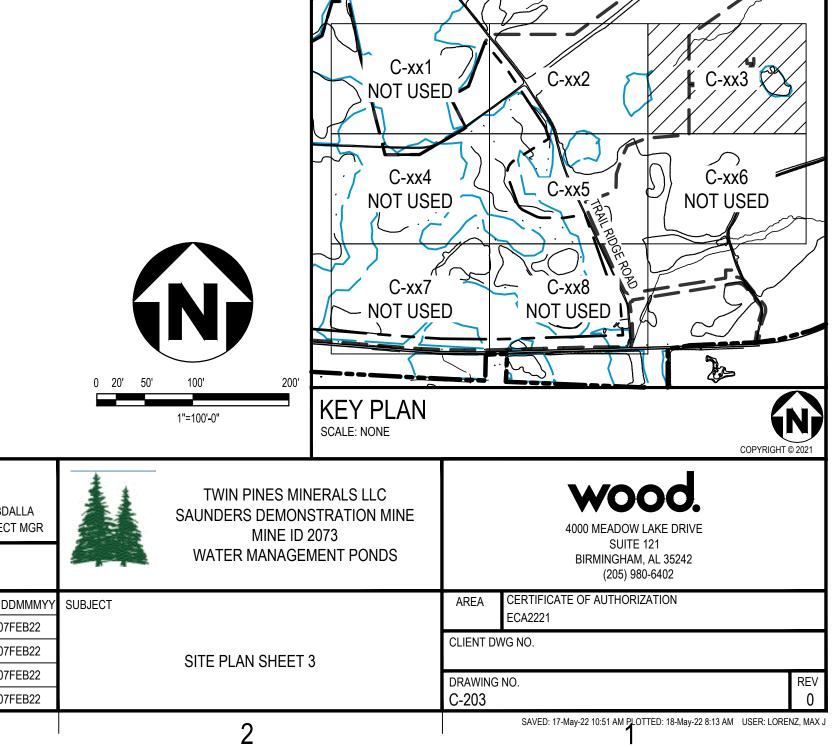
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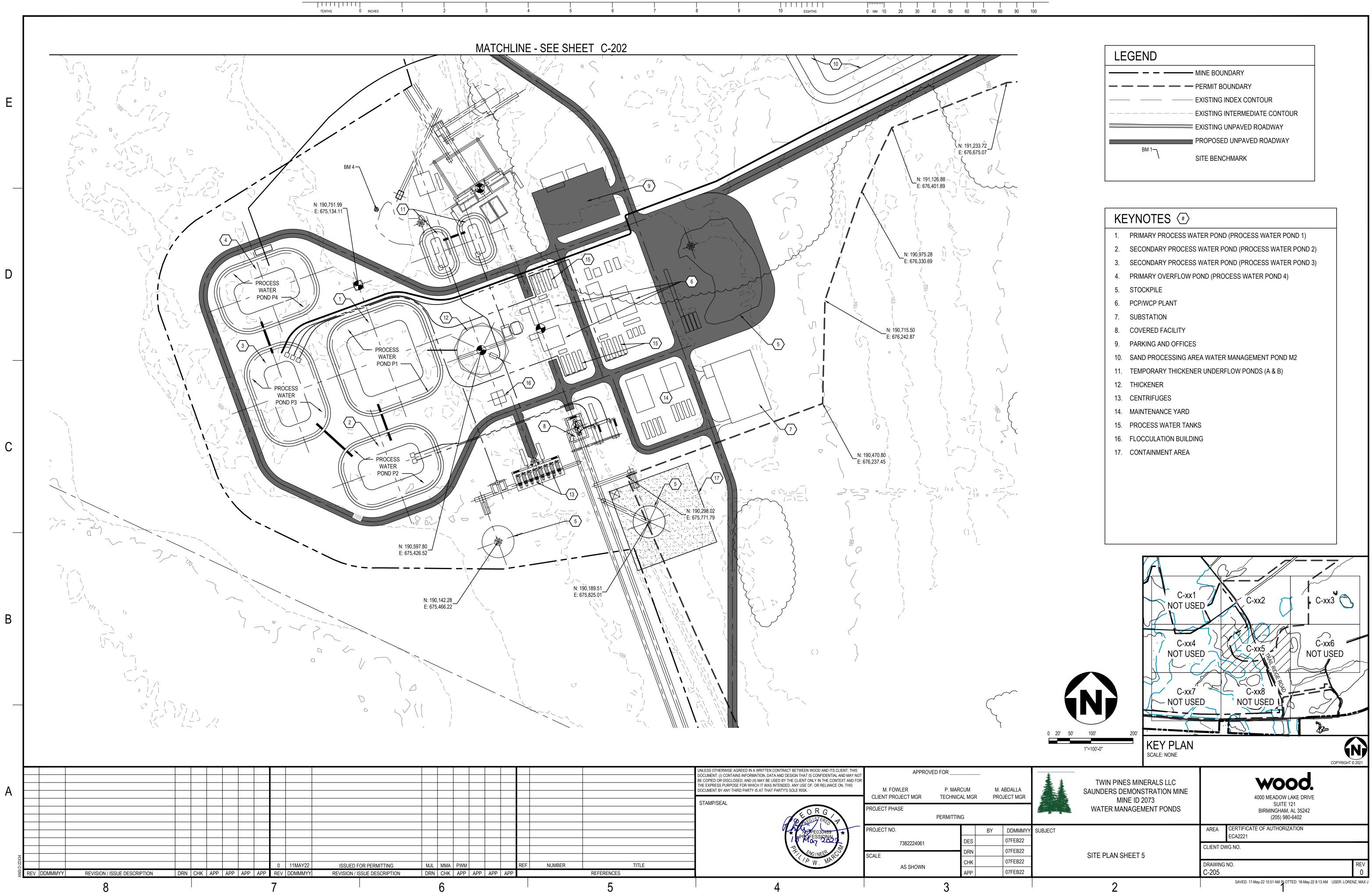


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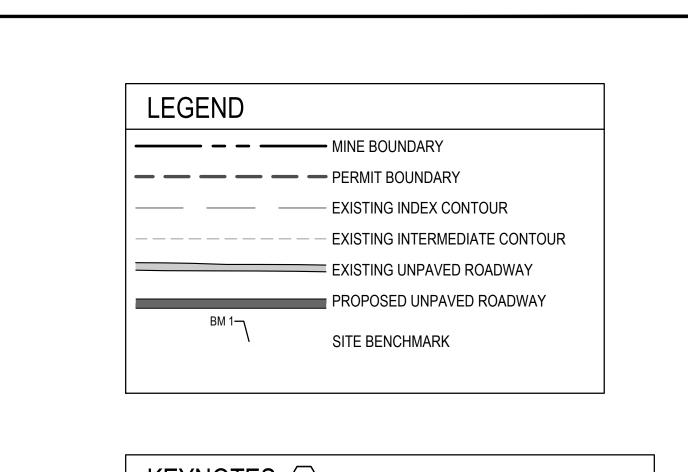




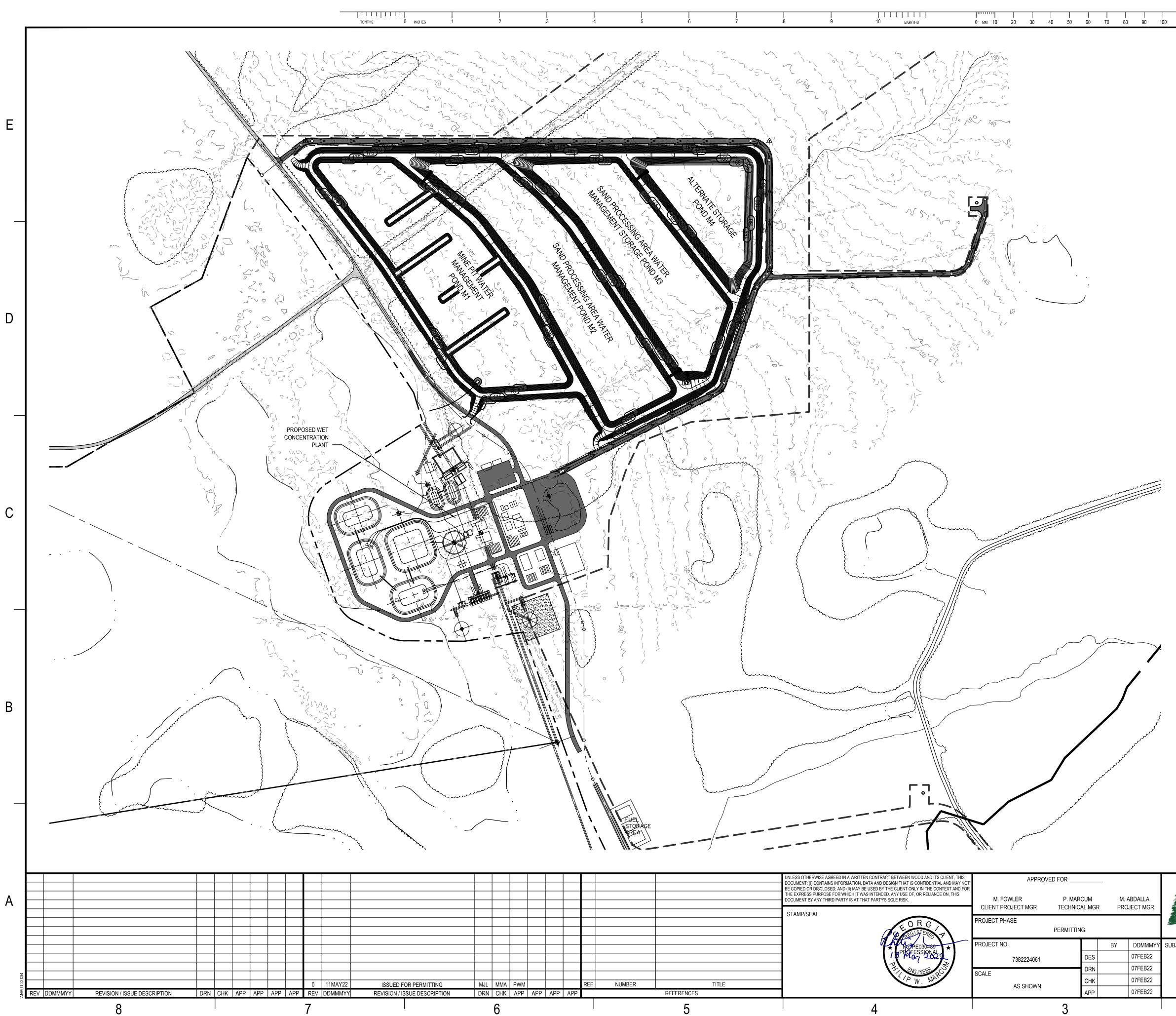


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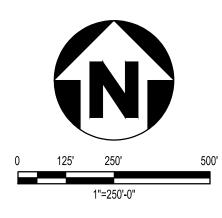




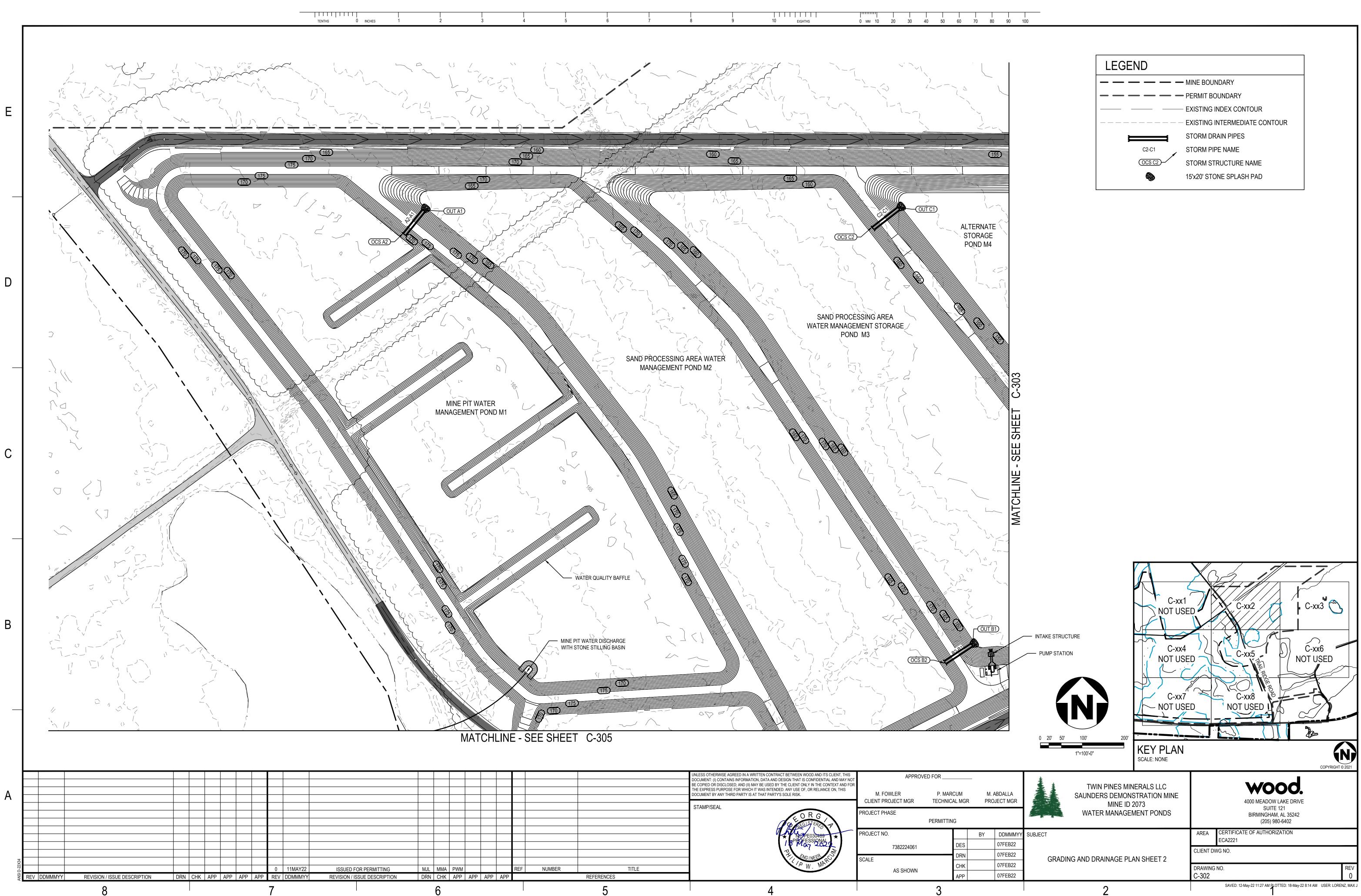


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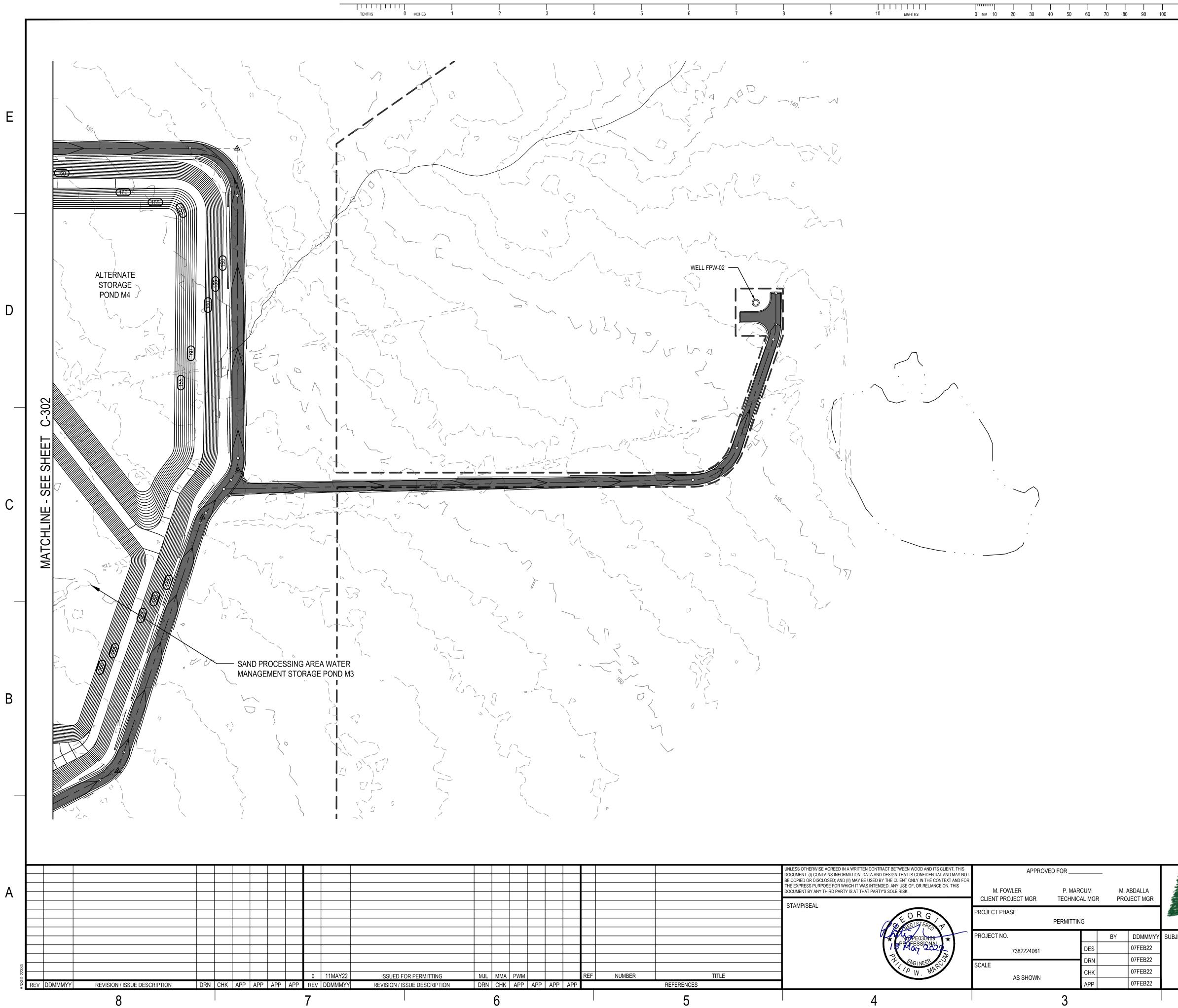




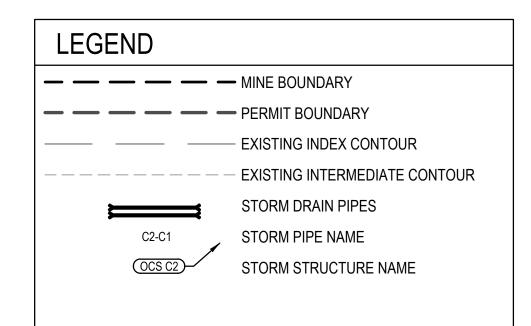
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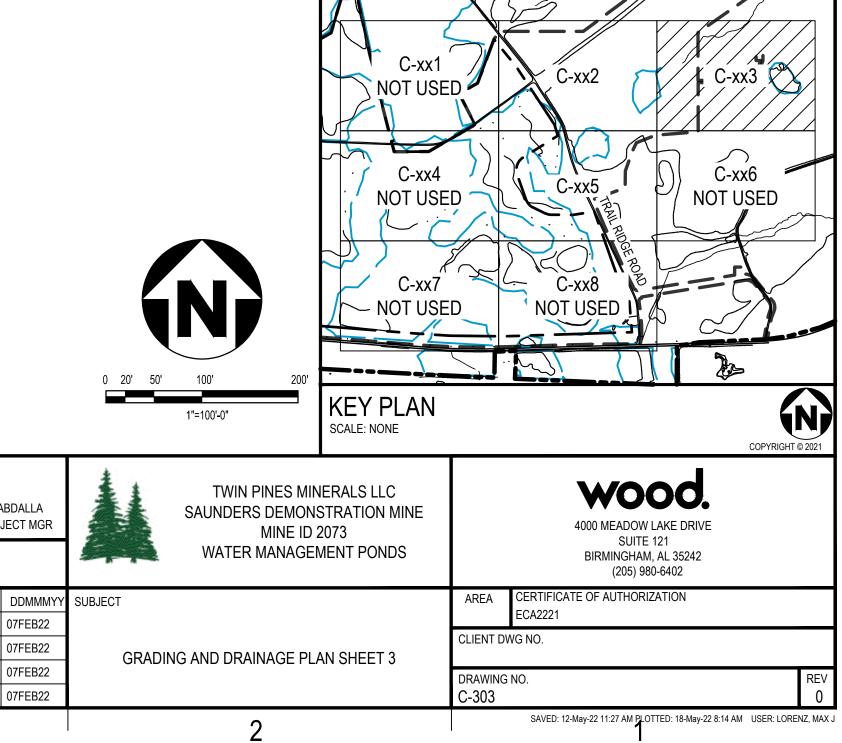


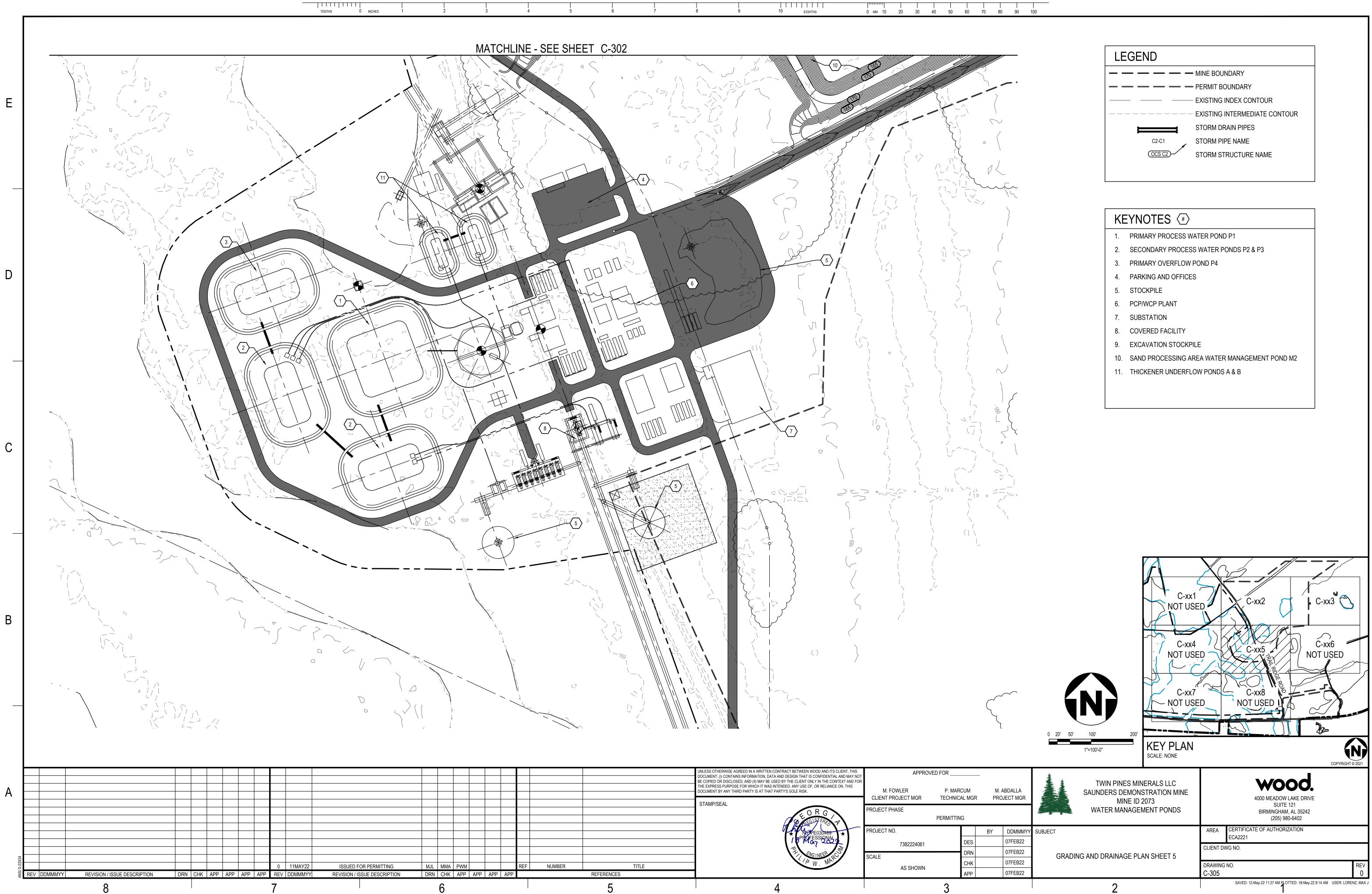
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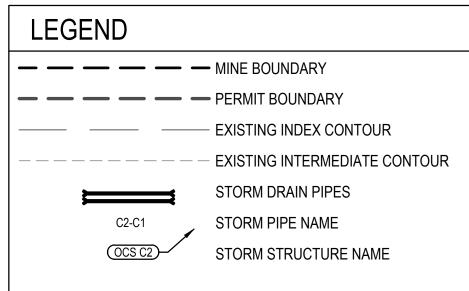


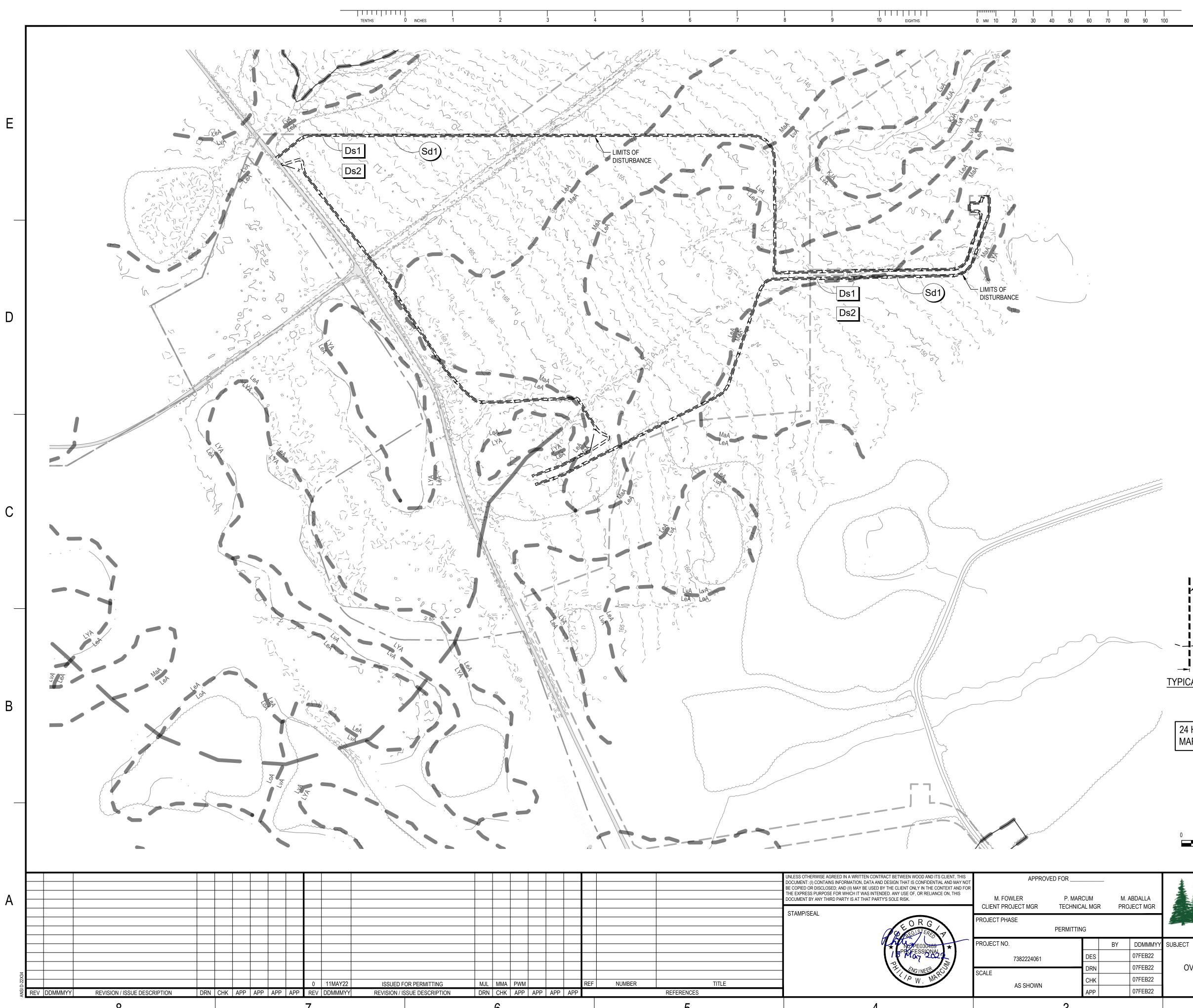


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	DISTURBANCE
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CODE	PRACTICE	MAP SYMBOL	DESCRIPTION
Co	CONSTRUCTION EXIT		A CRUSHED STONE PAD LOCATED AT THE CONSTRUCTION SITE EXIT TO PROVIDE A PLACE FOR REMOVING MUD FROM TIRES THEREBY PROTECTING PUBLIC STREETS.
Ds1	DISTURBED AREA STABILIZATION (MULCHING ONLY)	Ds1	ESTABLISHING TEMPORARY PROTECTION FOR DISTURBED AREAS WHERE SEEDINGS MAY NOT HAVE A SUITABLE GROWING SEASON TO PRODUCE AN EROSION RETARDING COVER.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)	Ds2	ESTABLISHING A TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDINGS ON DISTURBED AREAS.
(Sd1)	SEDIMENT BARRIER	,+ X-	A BARRIER TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. IT MAY BE SANDBAGS, BALES OF STRAW OR HAY, BRUSH, LOGS AND POLES, GRAVEL, OR A SEDIMENT FENCE. THE BARRIERS ARE USUALLY TEMPORARY.
Sd2	SEDIMENT TRAP TEMPORARY		AN IMPOUNDING AREA CREATED BY EXCAVATING AROUND A STORM DRAIN DROP INLET. THE EXCAVATED AREA WILL BE FILLED AND STABILIZED ON COMPLETION OF CONSTRUCTION ACTIVITIES.

TOTAL LIMITS OF DISTURBANCE = 3.03 ACRES

			SOILS LEGEND
		MAP UNIT SYMBOL	MAP UNIT NAME
		KJA	KINSTON AND JOHNSTON SOILS, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED
		LeA	LEON FINE SAND, FREQUENTLY, 0 TO 2 PERCENT SLOPES
	SILT FENCE (SEE PLAN)	LoA	LEON FINE SAND, FREQUENTLY PONDED, 0 TO 2 PERCENT SLOPES
	PROPOSED GRADE	LvA	LYNN HAVEN FINE SAND, 0 TO 2 PERCENT SLOPES
		LYA	LYNN HAVEN, ALLANTON AND KINGSFERRY SOILS, PONDED, 0 TO 1 PERCENT SLOPES
		MaA	MANDARIN FINE SAND, 0 TO 2 PERCENT SLOPES
و گرمرمور	TYPICAL LIMITS OF DISTURBANCE SECTION (N.T.S.) 24 HOUR CONTACT PERSON: MARK FOWLER: (205) 403-5287		EORGIACION ties Protection Center, Inc Know what's below. Call before you dig.
	0 125' 250' 500' 1"=250'-0"		GEORGIA SOIL AND WATER CONSERVATION COMMISSION Philip W Marcum Level II Certified Design Professional CERTIFICATION NUMBER 0000010833 ISSUED: 01/31/2022 Expires: 01/31/2025 COPYRIGHT© 2021
ALLA CT MGR	TWIN PINES MINERALS LLC SAUNDERS DEMONSTRATION MINE MINE ID 2073 WATER MANAGEMENT PONDS		4000 MEADOW LAKE DRIVE SUITE 121 BIRMINGHAM, AL 35242 (205) 980-6402

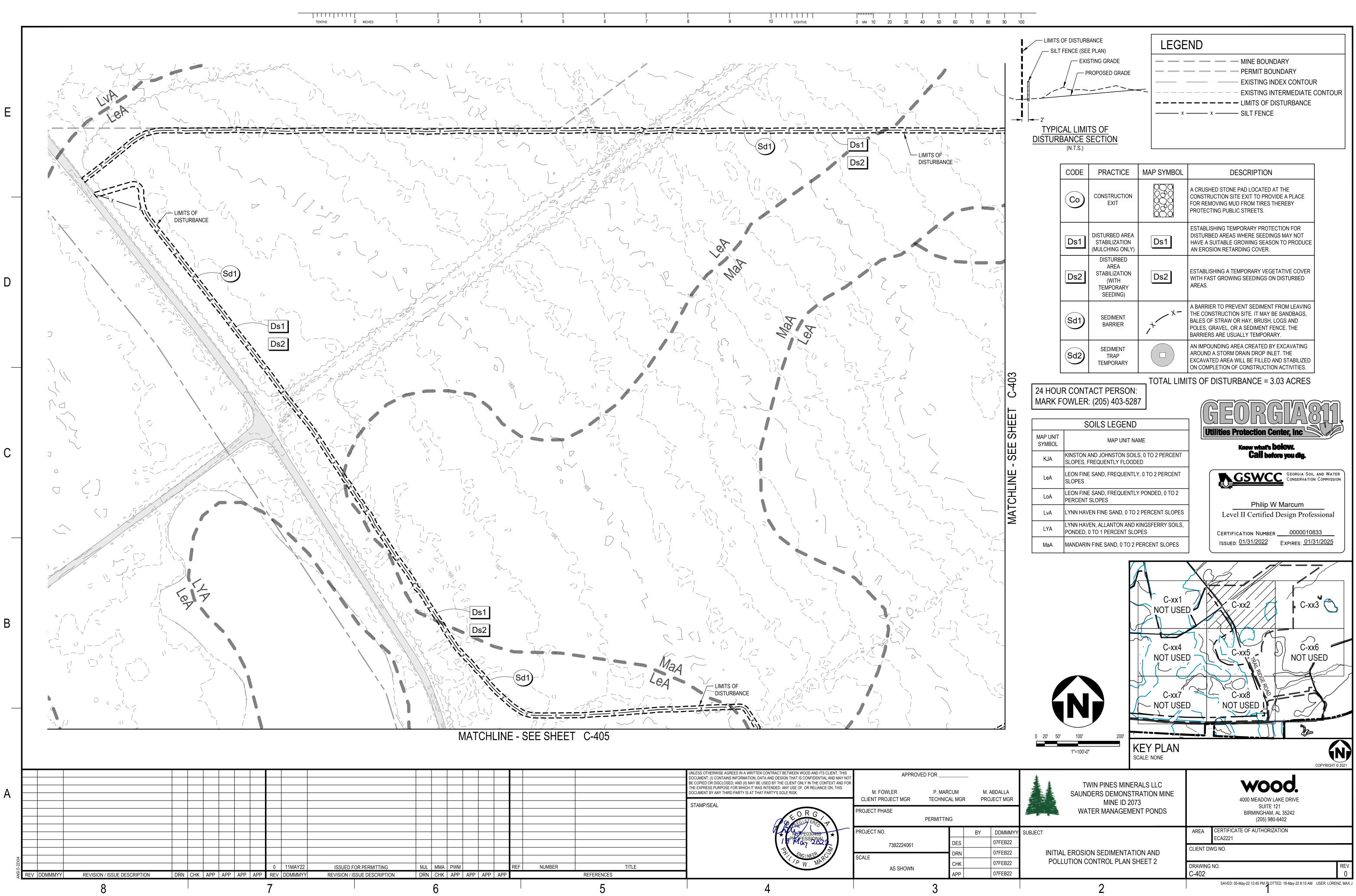
OVERALL INITIAL EROSION SEDIMENTATION
AND POLLUTION CONTROL PLAN

CLIENT DWG NO. DRAWING NO. C-400

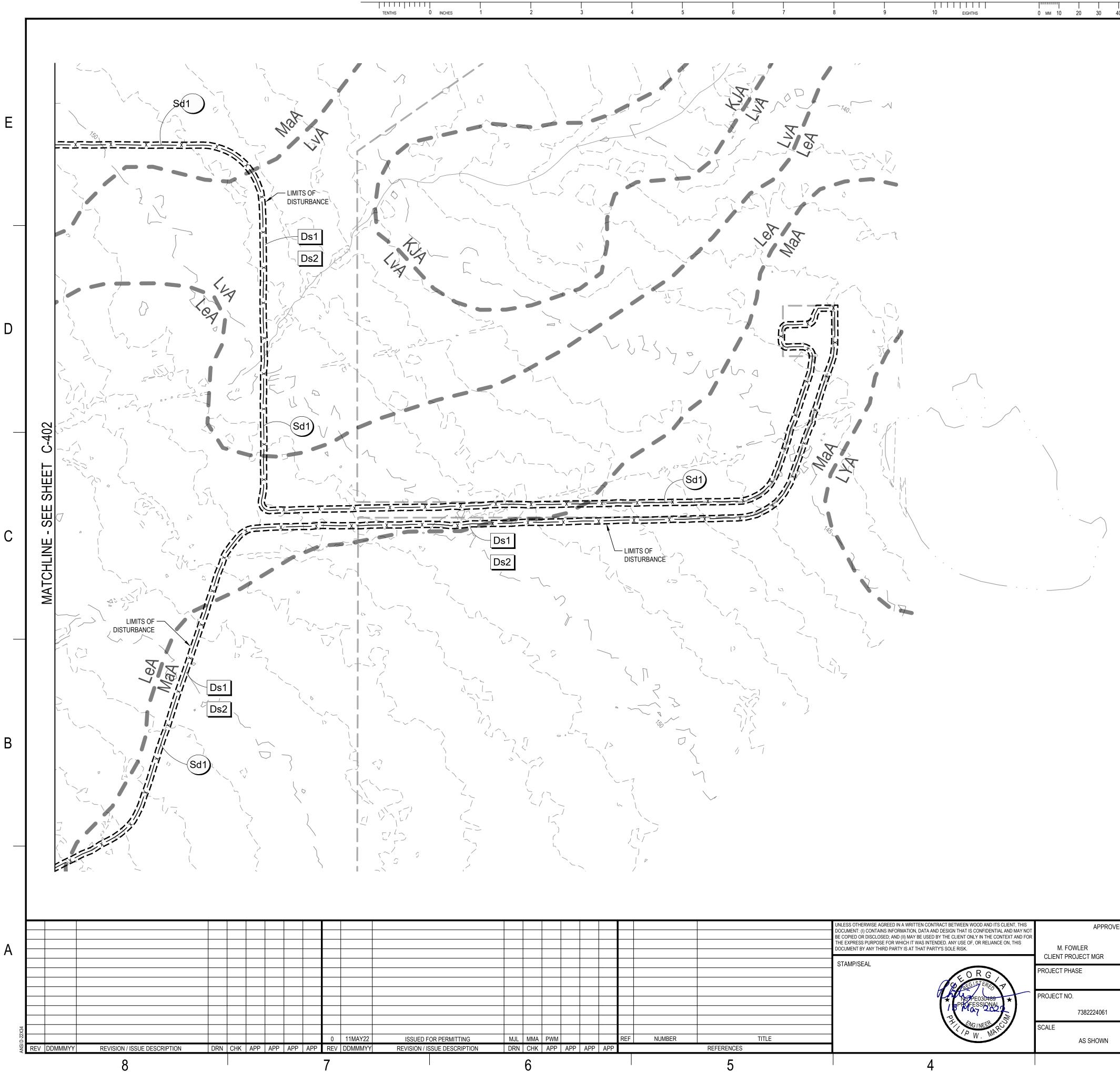
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AREA CERTIFICATE OF AUTHORIZATION



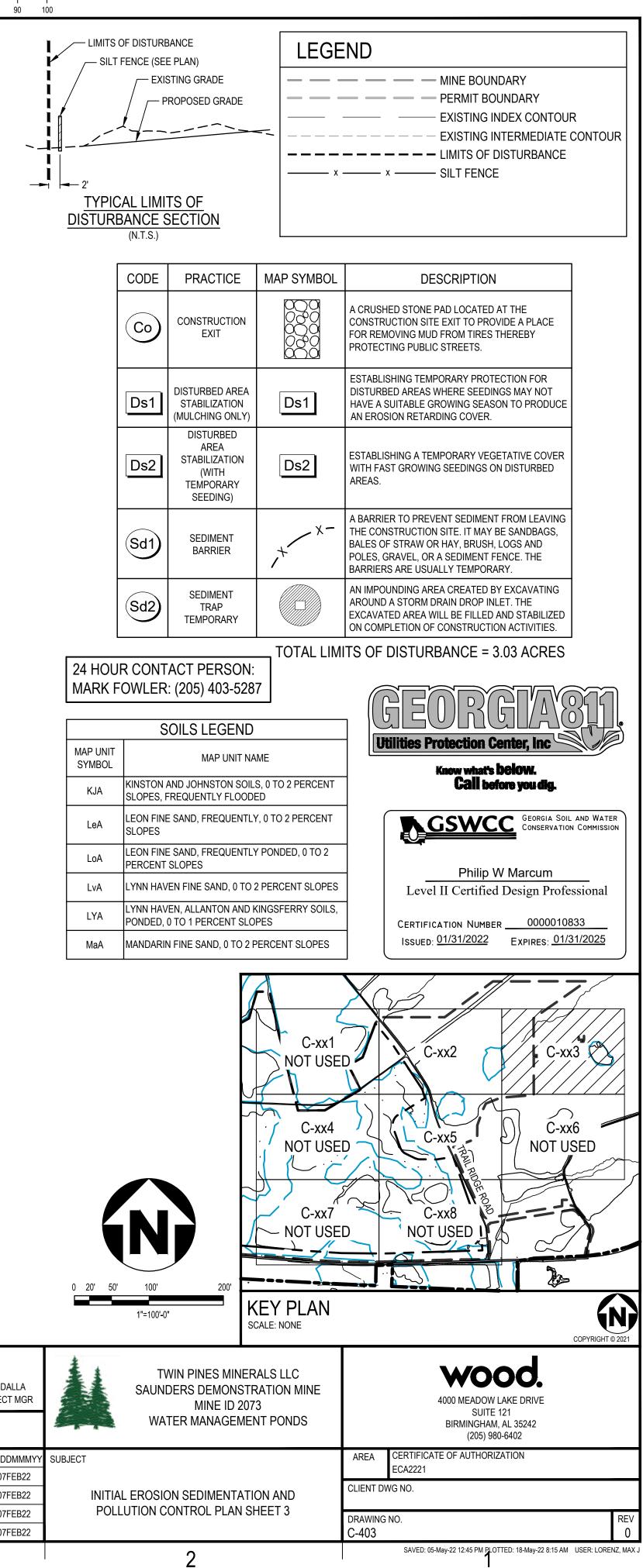


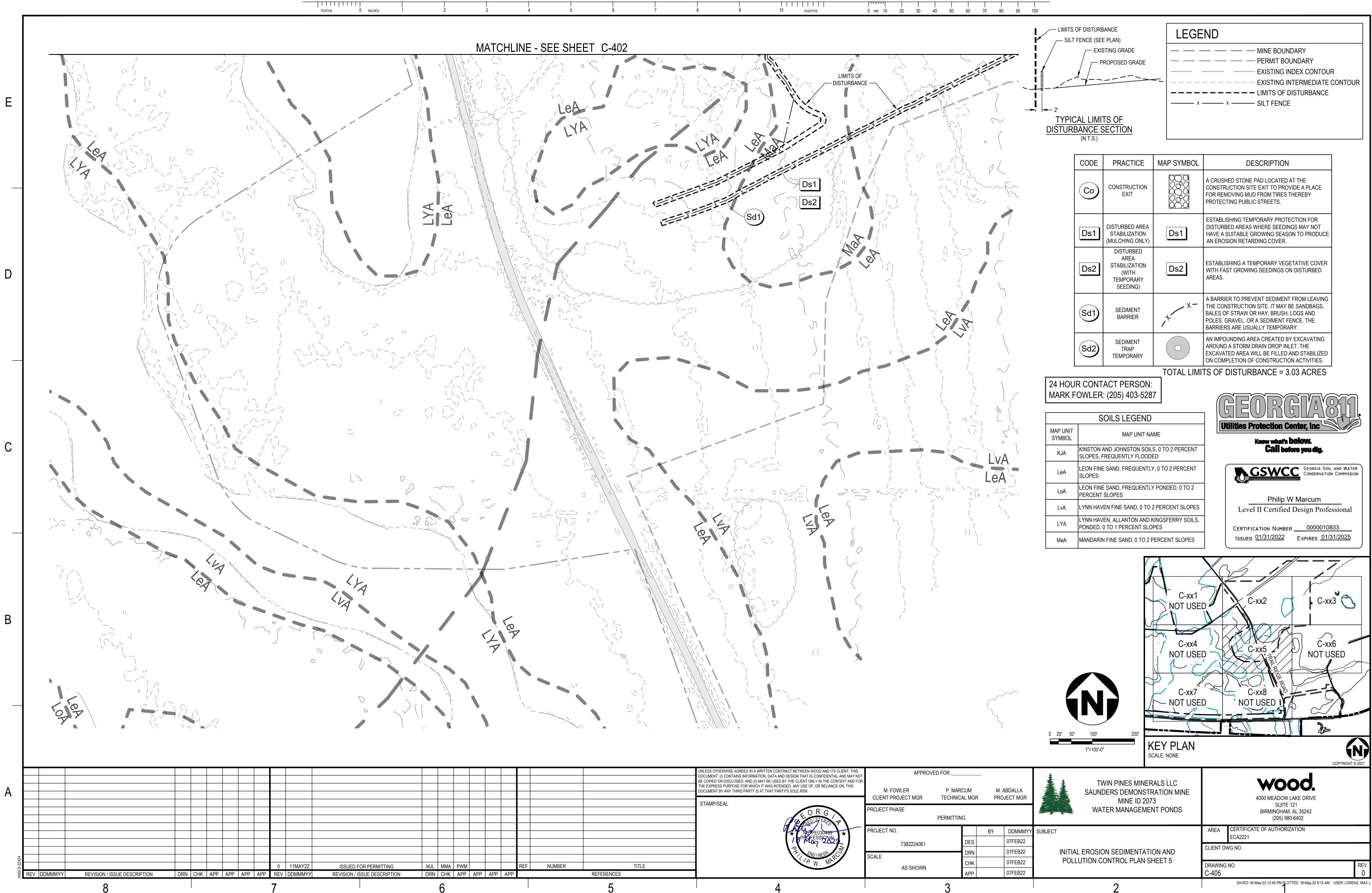
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					THE EXPRESS PURPOSE FOR WHICH IT WAS INTENDED. ANY USE OF, OR RELIANCE ON, THIS DOCUMENT BY ANY THIRD PARTY IS AT THAT PARTY'S SOLE RISK.	M. FOWLER CLIENT PROJECT MGR	P. MARCUM TECHNICAL MGR	M. ABDAL PROJECT I					
					UNLESS OTHERWISE AGREED IN A WRITTEN CONTRACT BETWEEN WOOD AND ITS CLIENT, THIS DOCUMENT: (I) CONTAINS INFORMATION, DATA AND DESIGN THAT IS CONFIDENTIAL AND MAY N BE COPIED OR DISCLOSED; AND (II) MAY BE USED BY THE CLIENT ONLY IN THE CONTEXT AND F	IOT	APPROVED FOR						



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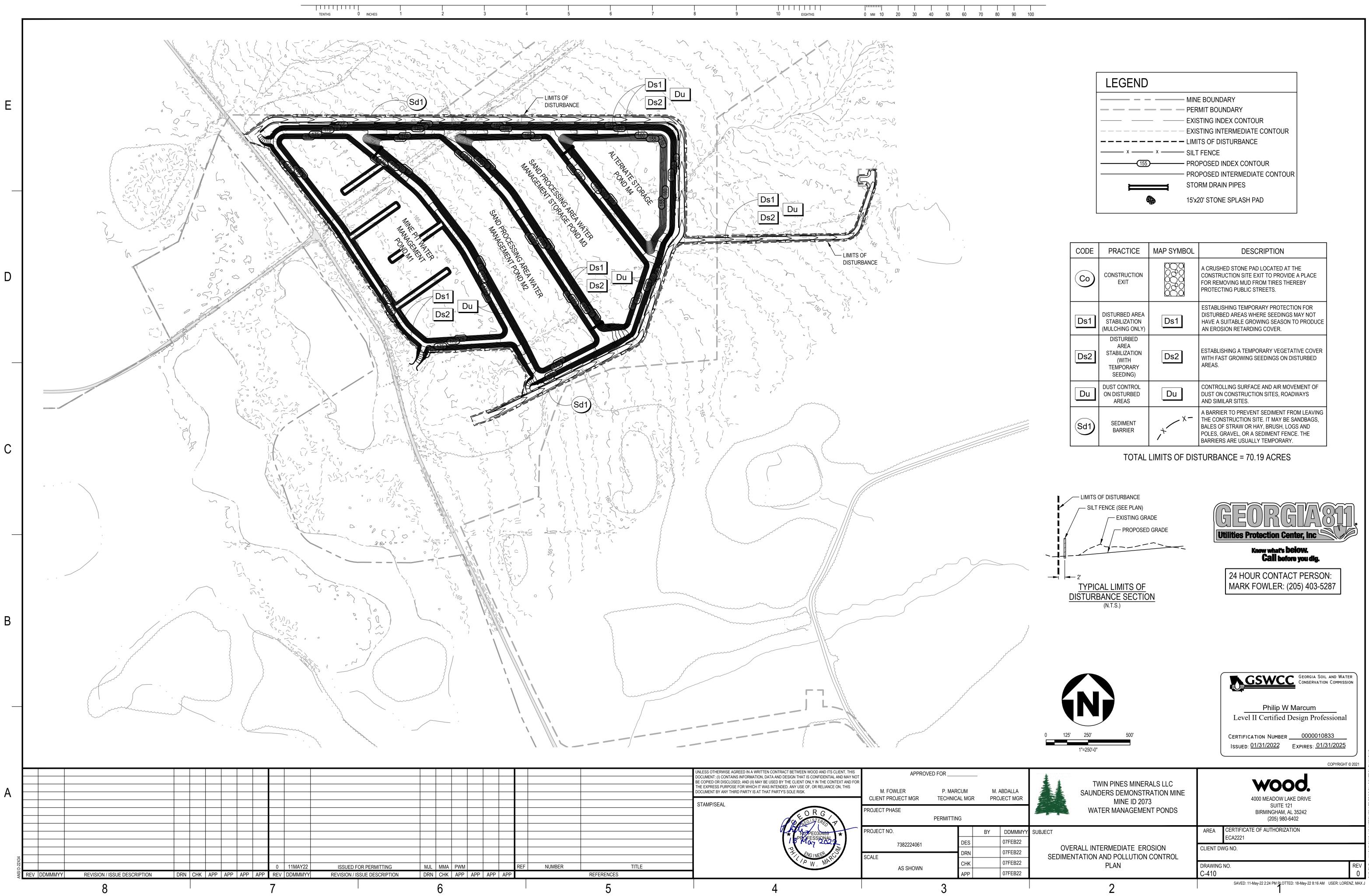
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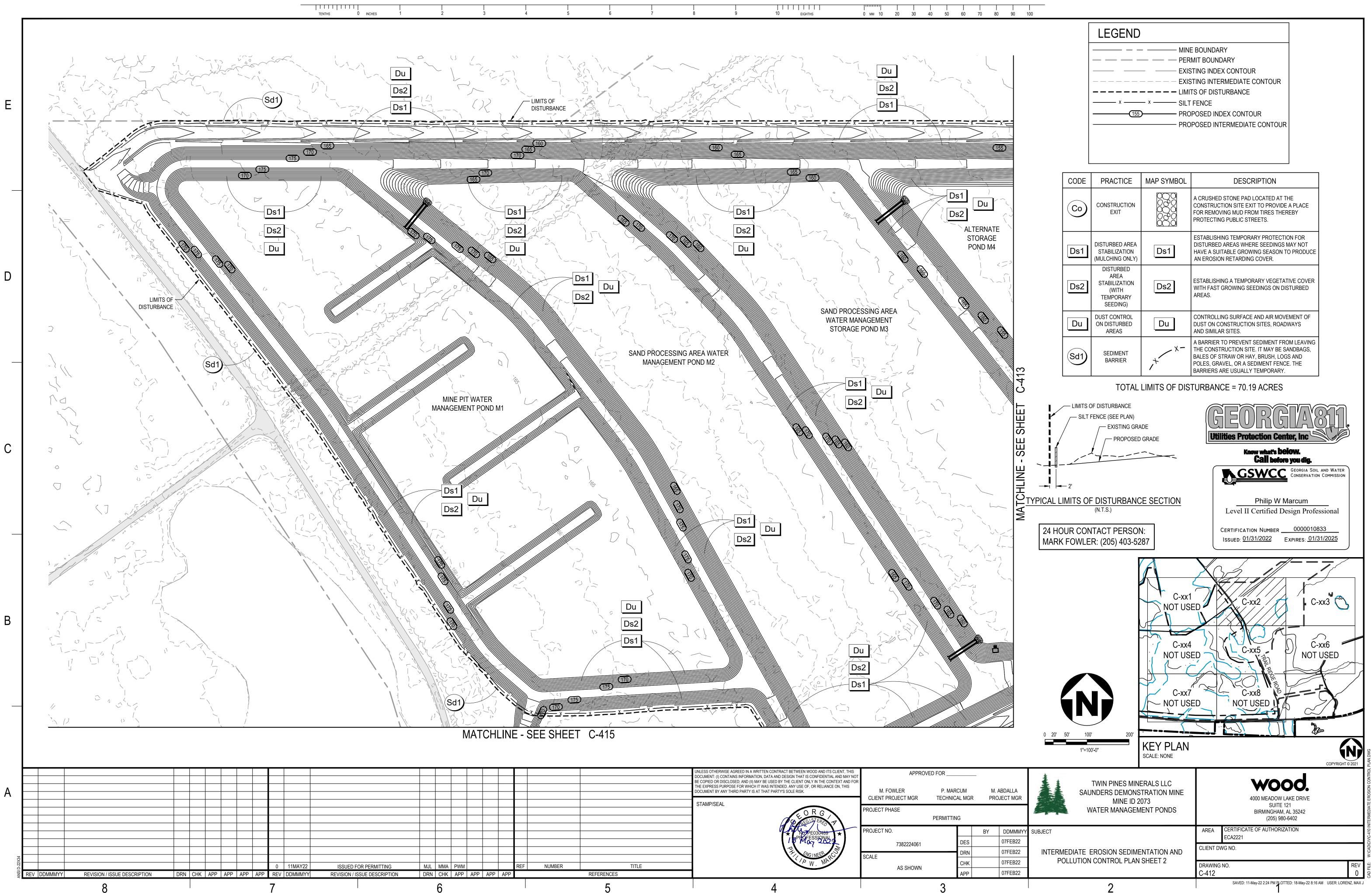
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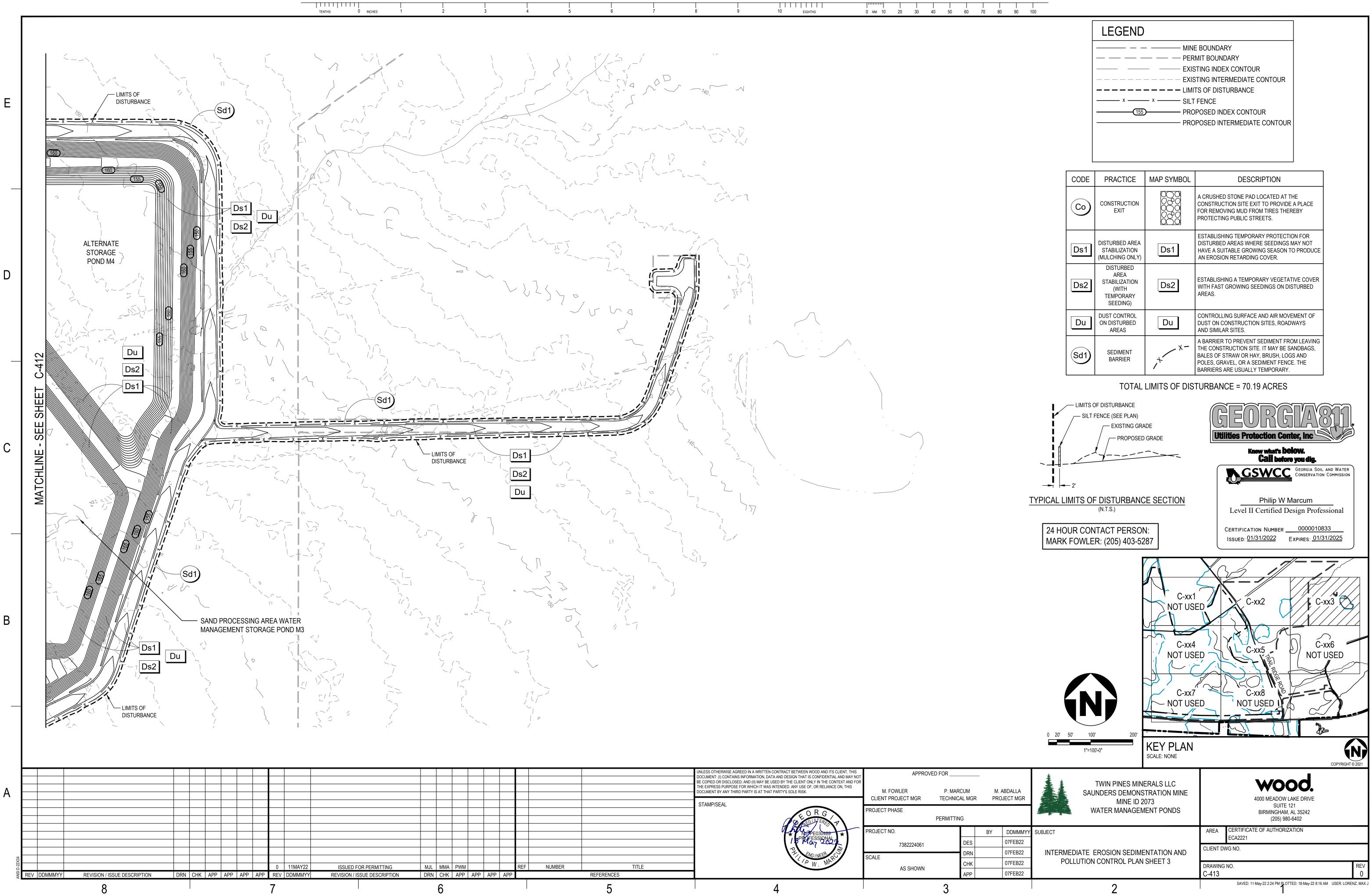
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	- PROPOSED INDEX CONTOUR
	- PROPOSED INTERMEDIATE CONTOUR
	STORM DRAIN PIPES
	15'x20' STONE SPLASH PAD

CODE	PRACTICE	MAP SYMBOL	DESCRIPTION
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Du	DUST CONTROL ON DISTURBED AREAS	Du	CONTROLLING SURFACE AND AIR MOVEMENT OF DUST ON CONSTRUCTION SITES, ROADWAYS AND SIMILAR SITES.
Sd1	SEDIMENT BARRIER	,+ ×-	A BARRIER TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. IT MAY BE SANDBAGS, BALES OF STRAW OR HAY, BRUSH, LOGS AND POLES, GRAVEL, OR A SEDIMENT FENCE. THE BARRIERS ARE USUALLY TEMPORARY.

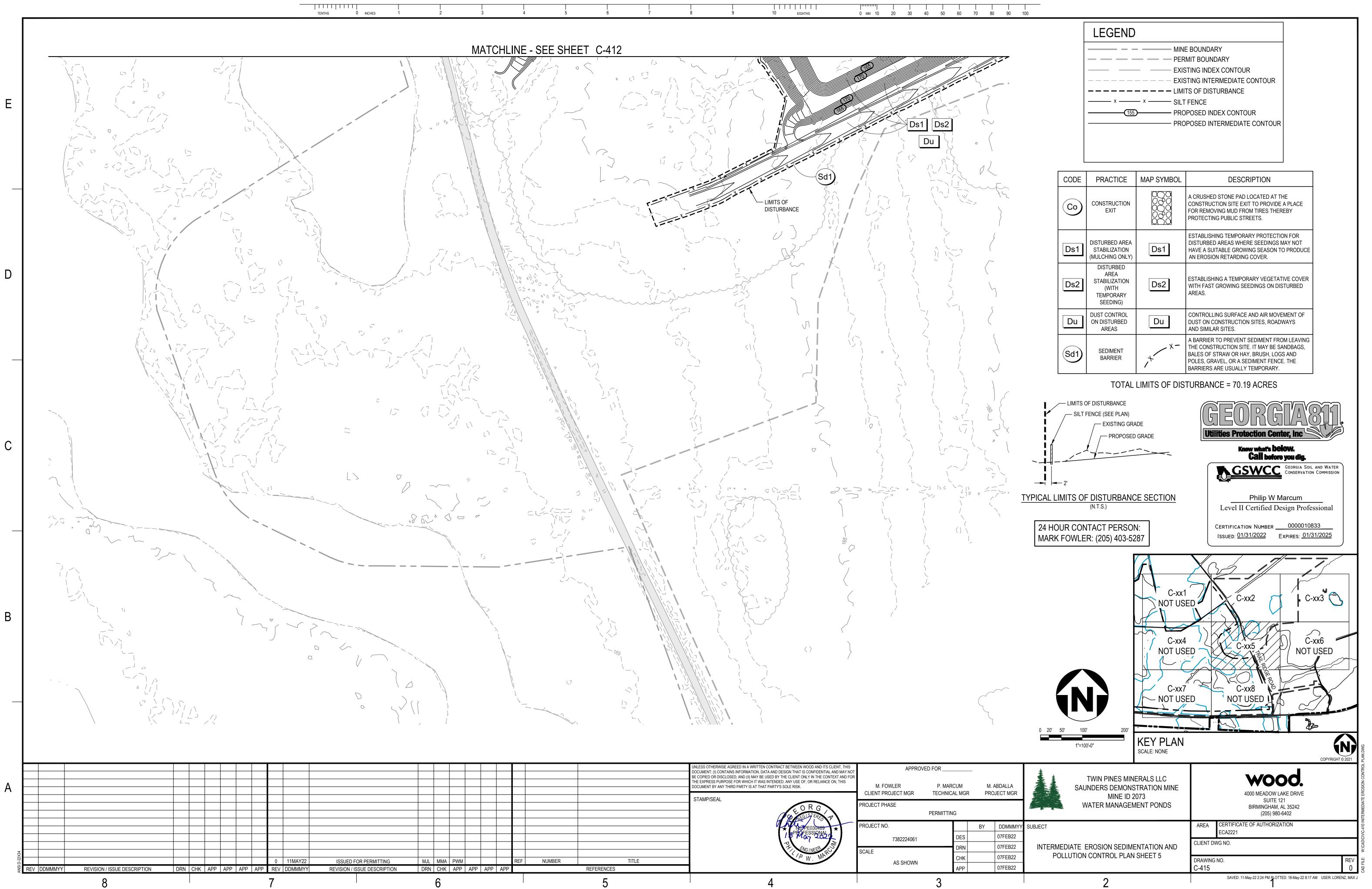




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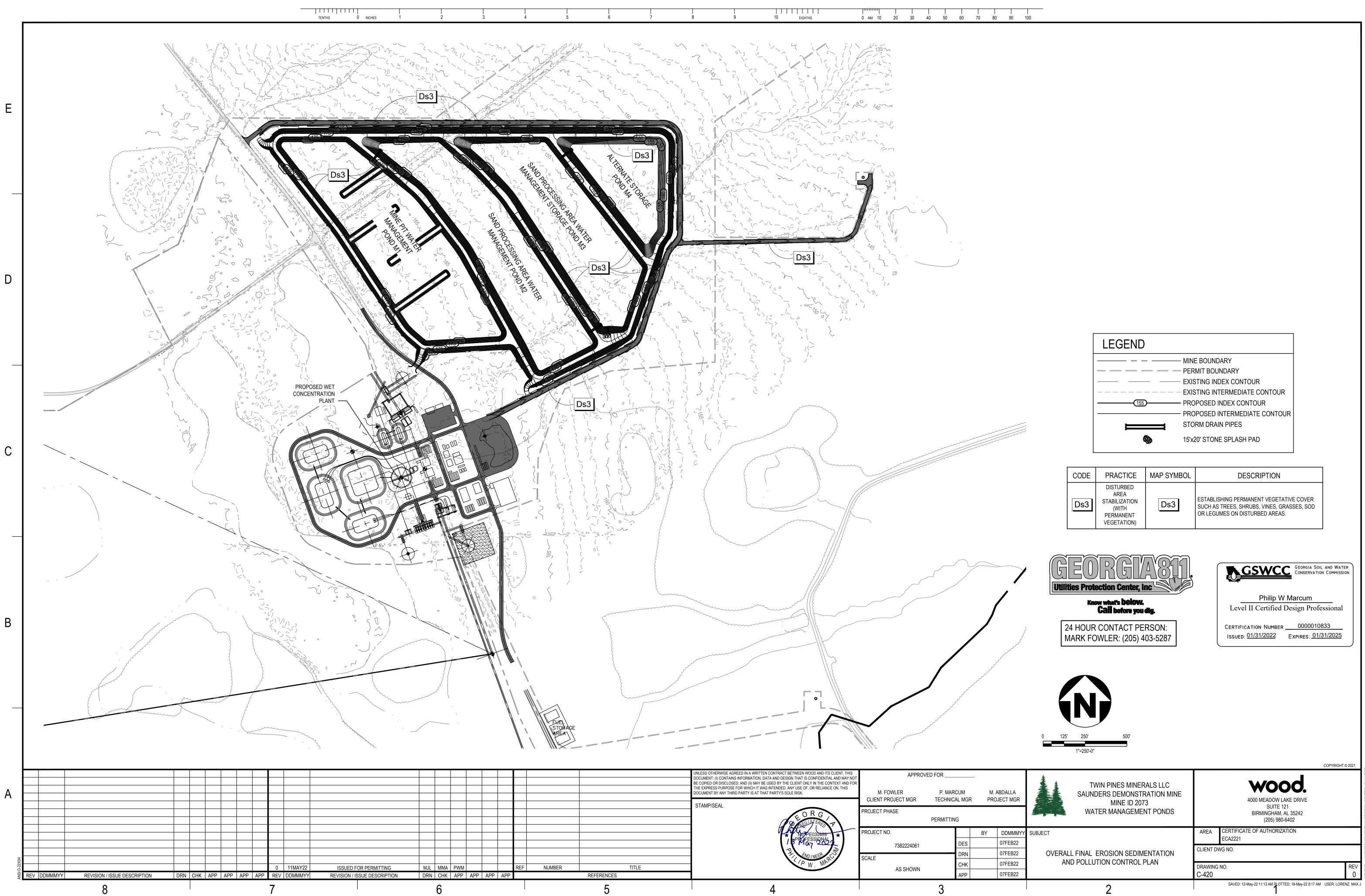


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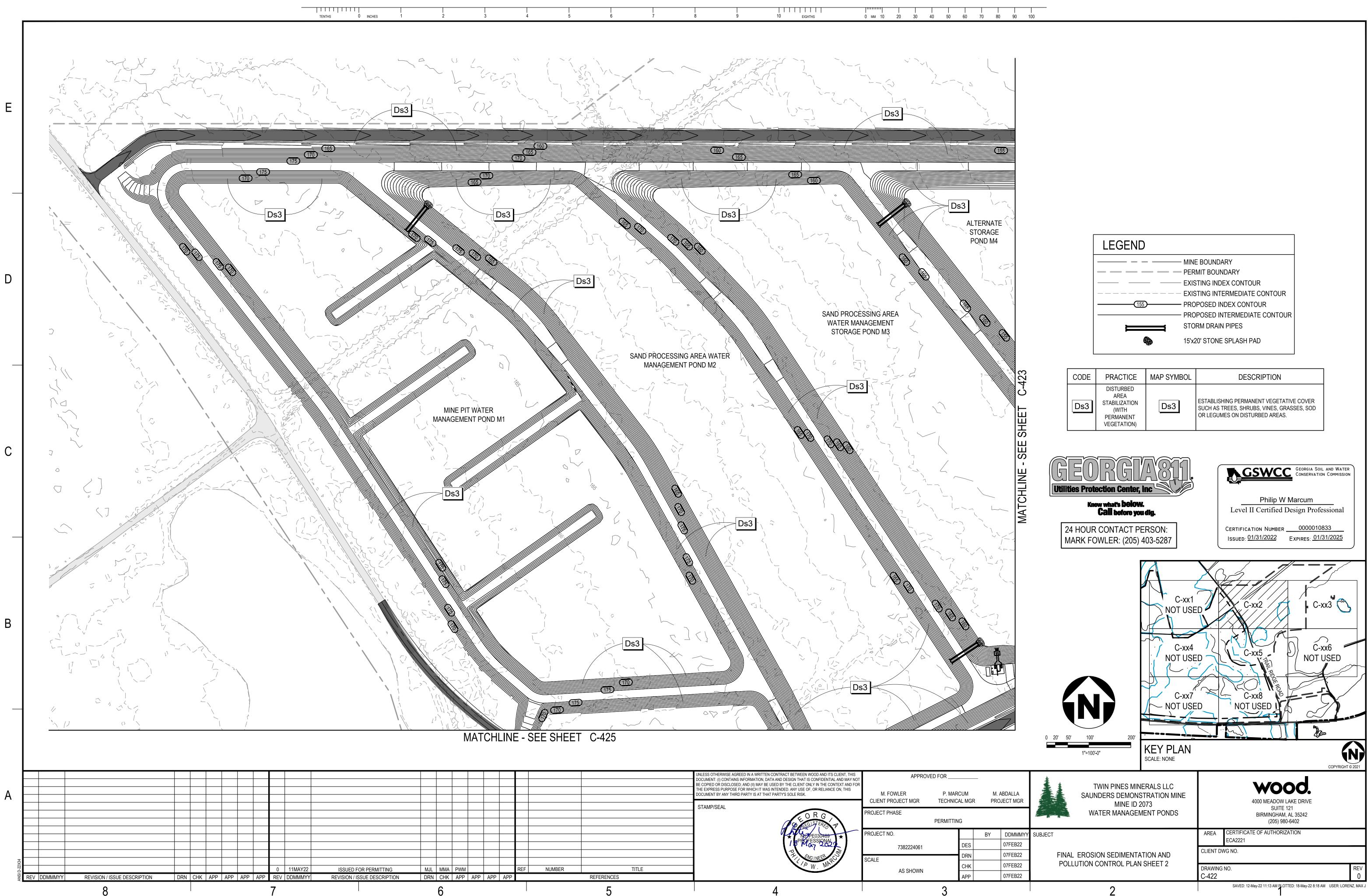


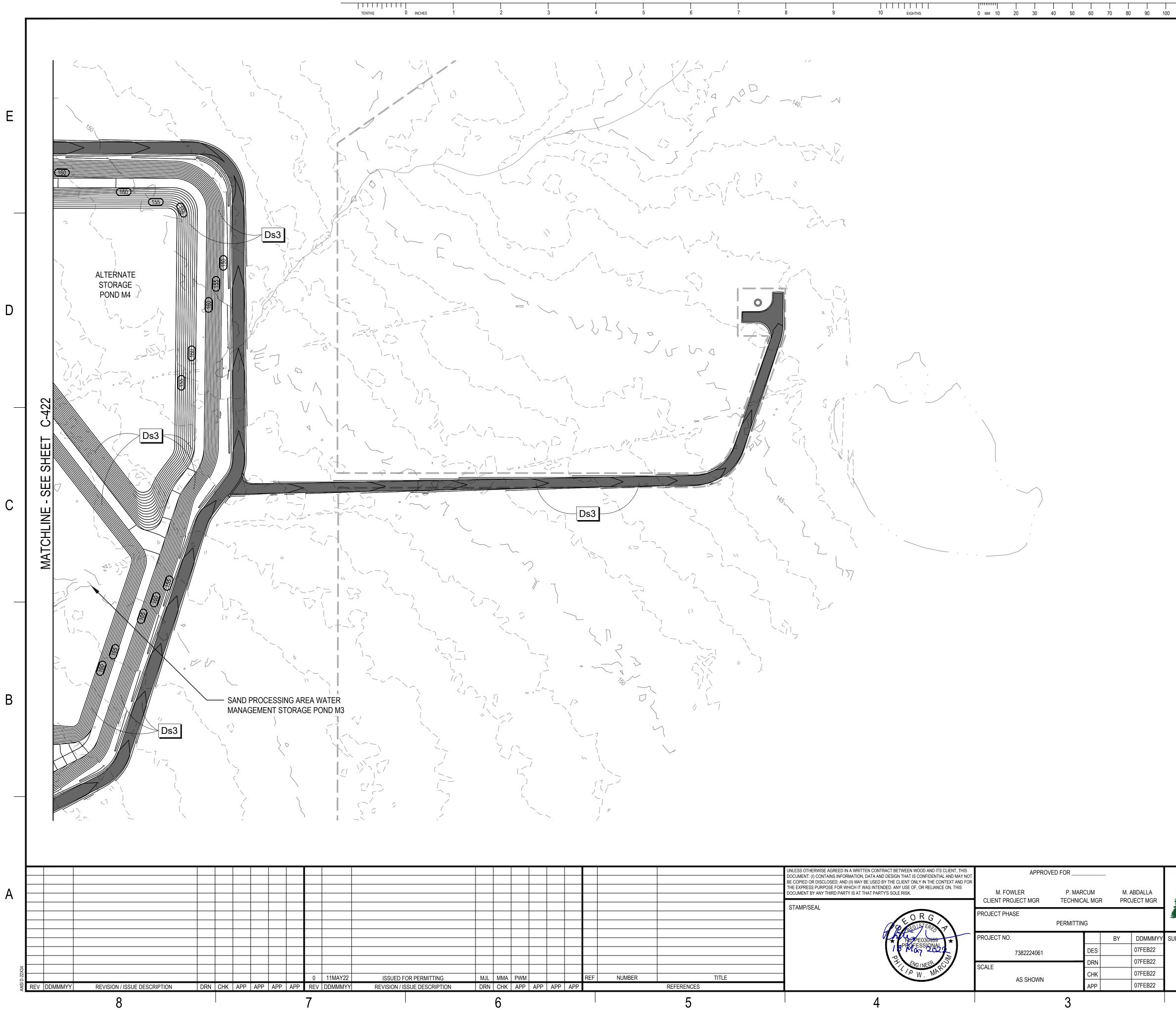
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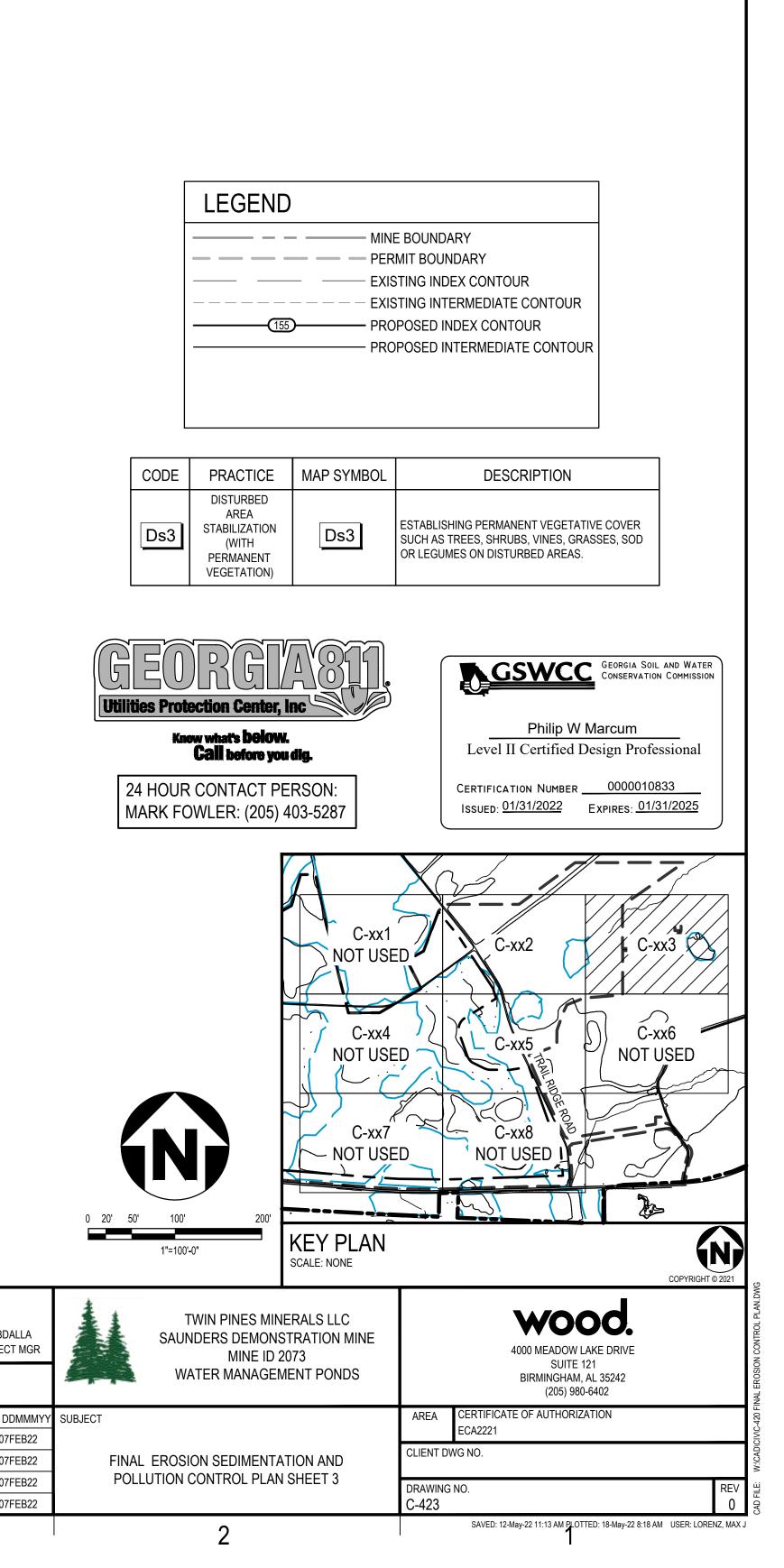


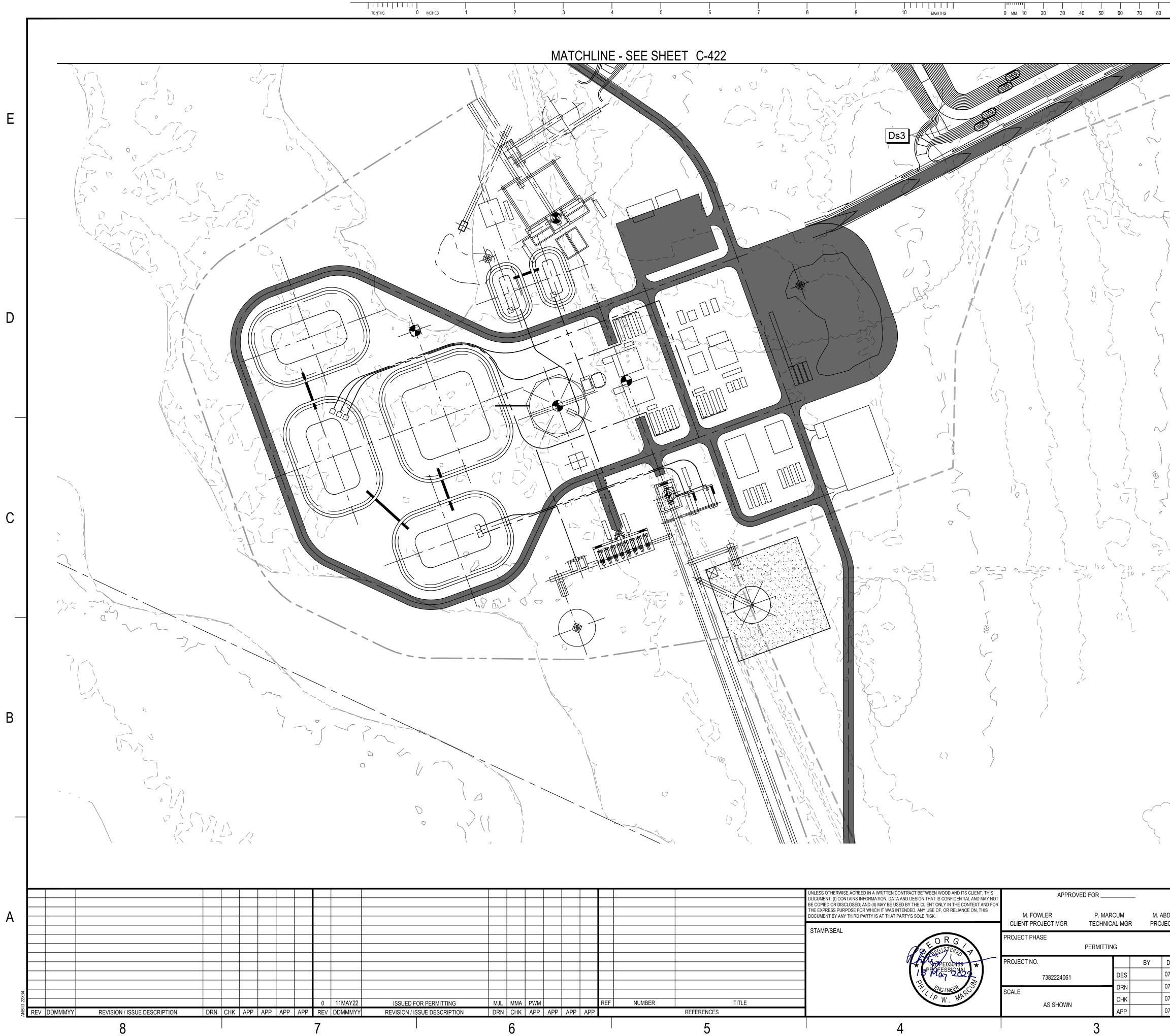






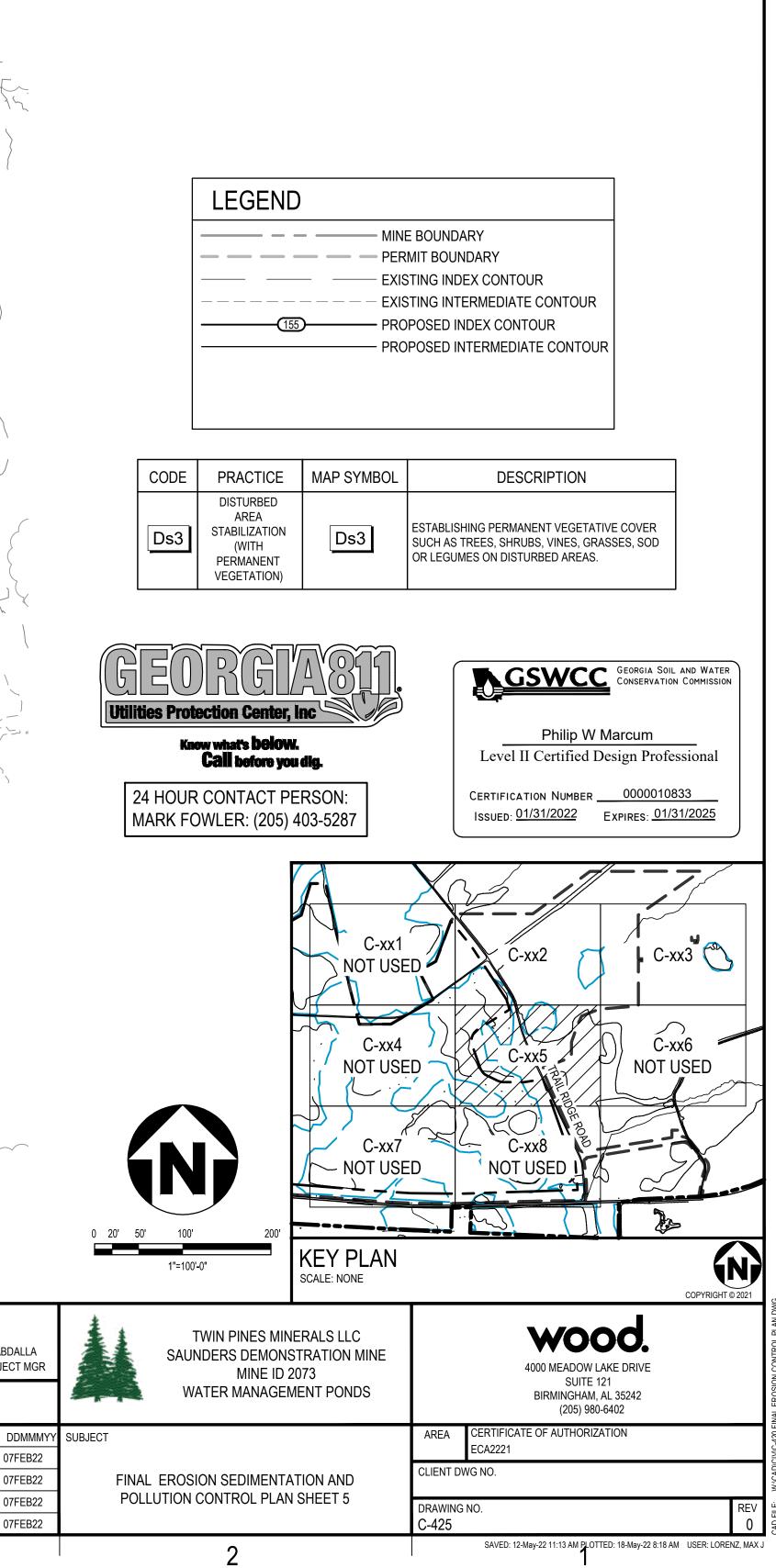
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E			UNLESS OTHERWISE AGREED IN A WRITTEN CONTRACT BETWEEN WOOD AND ITS CLIENT, THIS DOCUMENT: (I) CONTAINS INFORMATION, DATA AND DESIGN THAT IS CONFIDENTIAL AND MAY NOT BE COPIED OR DISCLOSED; AND (II) MAY BE USED BY THE CLIENT ONLY IN THE CONTEXT AND FOR THE EVPDESS FOR WHICH IT WAS INTENDED ANY USE OF OR DELIANCE ON THIS
		CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO PUBLIC ROADWAYS OR INTO STORM DRAINS SHALL BE REMOVED IMMEDIATELY.	
		THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH A 1" TO 3" LAYER OF STONE, AS	
@	18. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.	SEDIMENT AND EROSION CONTROL MEASURES SHALL BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE SHALL BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED 1/2 THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES SHALL BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.	
×	DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.	ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION.	THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO ANY CONSTRUCTION ACTIVITY BY OTHERS.
	0 17. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN	GDOT STANDARD SPECIFICATIONS UNLESS OTHERWISE SPECIFIED IN THE PROJECT DOCUMENTS. TEMPORARY SEEDING AND/OR MULCH SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE.	FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLAN.
G	9 16. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT	LATEST EDITION. ALL ITEMS IN THESE NOTES SHALL MEET THE REQUIREMENTS AS SET FORTH IN SECTIONS 161, 162, 163, AND 164 OF THE	CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
В	404 PERMIT. 15. RAINFALL GAUGE SHALL BE ESTABLISHED AT THE SITE, MONITORING DAILY, AND OBSERVATION KEEP ON THE EROSION	ALL SILT FENCE SHALL MEET THE REQUIREMENTS OF SECTION 171 OF THE "DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA STANDARD SPECIFICATIONS, CONSTRUCTION OF TRANSPORTATION SYSTEMS" (GDOT STANDARD SPECIFICATIONS),	CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO PUBLIC ROADWAYS OR INTO STORM DRAINS SHALL BE REMOVED IMMEDIATELY.
	NPDES PERMIT. 14. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION	ADDITIONAL SILT BARRIERS MUST BE PLACED, AS SHOWN ON THE PLAN, AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL TAKE PLACE UNTIL SILT BARRIER INSTALLATION AND SEDIMENT PONDS ARE CONSTRUCTED AS SHOWN ON (INSERT PLAN NAME AND DRAWING NUMBER).	THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH A 1-INCH TO 3-INCH LAYER OF STONE AS
	13. THE DESIGN PROFESSIONAL MAY PERFORM PERIODIC AUDITS OF THE CONTRACTOR EROSION CONTROL RECORDS. HOWEVER, REGARDLESS OF WHETHER THESE AUDITS ARE PERFORMED, THE CONTRACTOR SHALL REMAIN RESPONSIBLE FOR THE PROPER MAINTENANCE OF THESE RECORDS AND REPORTING OF RESULTS REQUIRED BY THE	NO BURN OR BURY PIT SHALL BE PERMITTED ON THE CONSTRUCTION SITE WITHOUT WRITTEN PERMISSION BY THE OWNER AND/OR THE DESIGN PROFESSIONAL.	SEDIMENT AND EROSION CONTROL MEASURES SHALL BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED 1/2 THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.
	12. A COPY OF THE APPROVED LAND DISTURBANCE PLAN, APPROVED EROSION, SEDIMENTATION AND POLLUTION PLAN, AND NPDES GENERAL PERMIT NO. GAR 10000[1, 2, OR 3] SHALL BE PRESENT ON THE SITE AT ALL TIMES.	TOPSOIL SHALL BE STRIPPED FROM ALL CUT AND FILL AREAS AND STOCKPILED FOR LATER REUSE ON FINAL GRADE SOIL SURFACES.	MARKS ON THE OUTLET CONTROL RISER PIPES SHALL BE ESTABLISHED TO PROVIDE A VISUAL INDICATION OR WHEN SILT IS TO BE REMOVED FROM EACH POND. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.
	11. NO STAGING AREAS, MATERIAL STORAGE, OR DEBRIS BURN AND BURIAL HOLES SHALL BE LOCATED WITHIN 500 FEET OF DESIGNATED TREE PROTECTION AREAS.	THE CONTRACTOR CAN UTILIZE CLEARED TREES AS BARRIER BRUSH SEDIMENT CONTROL IN AREAS SHOWN ON THE PLAN WHERE INITIAL GRADING ACTIVITIES WILL NOT OCCUR.	CONTRACTOR SHALL MAINTAIN THE SEDIMENT POND(S) UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE POND(S) WHEN IT REACHES THE 1/3 DEPTH OF EACH BASIN. SILT DEPTH GAUGES OR A
	10. THE OWNER AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUCTION PERIOD.	AFTER APPROVAL OF THE INITIAL EROSION CONTROL INSTALLATION, THE CONTRACTOR MAY PROCEED WITH CLEARING AND GRUBBING ACTIVITIES.	ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY SEEDING.
	 THE CONTRACTOR SHALL OBSERVE THE SITE SEQUENCE SHOWN ON THE PLAN. THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO INSURE THAT LAND STRIPPED OF ITS NATURAL COVER IS EXPOSED ONLY IN SMALL QUANTITIES. 	INSTALLATION OF SAID EROSION CONTROL MEASURES. IF UNFORESEEN CONDITIONS EXIST IN THE FIELD THAT WARRANT ADDITIONAL EROSION CONTROL MEASURES, THE CONTRACTOR SHALL CONSTRUCT ANY ADDITIONAL EROSION CONTROL DEVICES DEEMED NECESSARY BY THE SITE INSPECTION.	ACHIEVED. DRAINAGE SWALES WITH RIPRAP OR CONCRETE PROTECTION SHALL BE COMPLETED AS SOON AS POSSIBLE AFTER FINAL GRADE IS ACHIEVED. MULCH OR TEMPORARY SEEDING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE, THIS
	8. PRIOR TO THE LAND DISTURBING CONSTRUCTION, THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE AREA SITE DEVELOPMENT INSPECTOR.	TIME IS REQUIRED. NO OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR UNTIL THE PROJECT DESIGN PROFESSIONAL APPROVES THE	OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN. SEE DETAILS FOR ADDITIONAL INFORMATION. SEEDING OF ALL DRAINAGE SWALES SHALL BE PERFORMED TO ESTABLISH VEGETATIVE COVER AS SOON AS FINAL GRADE IS
C	7. TEMPORARY SEDIMENT BASINS SHALL BE CONSTRUCTED TO ACCOMMODATE 67 CUBIC YARDS OF STORAGE PER ACRE DRAINED.	SHALL REPORT THE RESULTS OF THE INSPECTION TO THE PRIMARY PERMITEE WITHIN SEVEN (7) DAYS AND THE CONTRACTOR OR PERMITEE MUST CORRECT ALL DEIFICIENCIES WITHIN TWO (2) BUSINESS DAYS OF RECEIPT OF THE INSPECTION REPORT FROM THE DESIGN PROFESSIONAL UNLESS WEATHER SITE CONDITIONS ARE SUCH THAT ADDITIONAL	STORM DRAIN OUTLET PROTECTION SHALL BE PLACED AT ALL OUTLET HEADWALLS AS SOON AS EACH HEADWALL IS CONSTRUCTED. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION. STONE CHECK DAMS SHALL BE INSTALLED IN AREAS
	D. PROVIDING GRAVEL OR PAVING AT EXIT DRIVES.	PROFESSIONAL WHO PREPARED THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN OR AN ALTERNATIVE DESIGN PROFESSIONAL APPROVED BY EPD IN WRITING TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WITHIN SEVEN (7) DAYS AFTER INSTALLATION. THE DESIGN PROFESSIONAL	INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL STORM STRUCTURES AS THEY ARE CONSTRUCTED. SEE PLAN VIEW FOR SPECIFIC TYPE AND DETAILS FOR ADDITIONAL INFORMATION ON TYPE OF INLET PROTECTION SPECIFIED.
	 ROUGHENING THE SOIL TO PRODUCE RIDGES PERPENDICULAR TO THE PREVAILING WIND. C. FREQUENT WATERING OF EXCAVATION AND FILL AREAS. 	AFTER INSTALLATION OF INITIAL EROSION CONTROL MEASURES, THE PRIMARY PERMITTEE MUST RETAIN THE DESIGN	ROLLED EROSION CONTROL PRODUCTS) SHALL BE INSTALLED ON ALL SLOPES THAT EXCEED 4(H):1(V) AND ARE 4-FEET OR GREATER IN HEIGHT. CUTS AND FILLS WITHIN STREAM BUFFERS SHALL BE STABILIZED WITH SLOPE STABILIZATION BMP.
	A. COVERING 30% OR MORE OF THE SOIL SURFACE WITH NON-ERODIBLE MATERIALB. ROUGHENING THE SOIL TO PRODUCE RIDGES PERPENDICULAR TO THE PREVAILING WIND.	6. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBANCE ACTIVITY AND MAINTAINED UNTIL FINAL LANDSCAPING IS INSTALLED. THE TREE PROTECTION FENCING SHALL BE INSPECTED DAILY. ANY FAILURE OF SAID FENCING SHALL BE REPAIRED IMMEDIATELY.	REMOVED. CUT AND FILL SLOPES ARE NOT TO EXCEED 3(H):1(V). SLOPE STABILIZATION BMP (HYDRAULIC EROSION CONTROL AND
	5. MINIMIZING WIND EROSION AND CONTROLLING DUST SHALL BE ACCOMPLISHED BY ONE OR MORE OF THE FOLLOWING METHODS:	5. STONE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN.	CONSTRUCTION. THESE BARRIERS SHALL BE AS SHOWN IN THE PLAN. THE BARRIERS MAY BE RELOCATED AND REUSED AFTER PERMANENT SLOPE STABILIZATION BECOMES FULLY ESTABLISHED. AS THEY ARE RELOCATED, ANY DEFECTIVE MATERIALS IN THE BARRIER SHALL BE REPLACED. IN ADDITION, ALL DEBRIS AND SILT AT THE PREVIOUS LOCATION SHALL BE
	PAVED DRIVEWAY, GRASSING, LANDSCAPING AND HOME SITE; OR INSTALLATION OF PERMANENT VEGETATION, ROADS, DRIVEWAYS, AND OTHER PERMANENT SITE FEATURES.	4. INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL EXISTING STORM STRUCTURES AS SHOWN ON THE PLAN. SEE SEPARATE DETAILS FOR SPECIFICS ON TYPE OF INLET PROTECTION REQUIRED.	CONTROL STORMWATER RUN OFF AS SHOWN ON THE PLAN. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING BARRIERS AT THE TOE OF THE SLOPES UNDER
	 4. AFTER CONSTRUCTION, EROSION AND SEDIMENTATION SHALL BE MANAGED BY A STABILIZED LOT CONSISTING OF EXAMPLE AND SEDIMENTATION SHALL BE MANAGED BY A STABILIZED LOT CONSISTING OF 	REQUESTED BY THE SITE INSPECTOR OR THE DESIGN PROFESSIONAL OF RECORD. SILT SHALL BE REMOVED WHEN ACCUMULATION REACHES 1/2 HEIGHT OF THE BARRIER. THE PERIMETER SILT FENCE SHALL BE INSPECTED DAILY FOR ANY FAILURES. ANY FAILURES OF SAID FENCING SHALL BE REPAIRED IMMEDIATELY.	SILT FENCE PLACEMENT. THE SILT FENCE SHALL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED ON THE SLOPE. SILT SHALL BE REMOVED WHEN ACCUMULATION REACHES 1/2 HEIGHT OF THE BARRIER. ADDITIONALLY, DIVERSION DIKES SHALL BE CONSTRUCTED ALONG THE TOP OF ALL SAID FILL SLOPES WITH THE USE OF TEMPORARY DOWN DRAINS TO CONTROL OF CONTROL OF ADDITIONAL ON THE DIAN. OF CONTROL OF CONTR
(1	 PLAN APPLICABLE TO THEIR SITE. 3. AMENDMENTS/REVISIONS TO THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN WHICH HAVE A 	3. TYPE A SILT FENCE SHALL BE INSTALLED AT THE PERIMETER OF THE DISTURBED AREA AS SHOWN ON THE PLAN. THE SILT FENCE SHALL BE PLACED IN ACCORDANCE WITH THE MANUAL FOR EROSION CONTROL IN GEORGIA, TABLE 6-20.2, CRITERIA FOR SILT FENCE PLACEMENT. THE SILT FENCE SHALL BE KEPT ERECT AT ALL TIMES AND REPAIRED WHEN	TYPE A SILT FENCE SHALL BE INSTALLED AT THE TOE OF ALL FILL SLOPES 10 FEET OR GREATER IN HEIGHT. THE SILT FENCE SHALL BE PLACED IN ACCORDANCE WITH THE MANUAL FROM EROSION CONTROL IN GEORGIA, TABLE 6-20.2, CRITERIA FOR
-	2. EACH SECONDARY PERMITTEE WILL BE PROVIDED WITH A COPY OF THE EROSION CONTROL PLAN OR PORTIONS OF THE PLAN APPLICABLE TO THEIR SITE AND EACH SECONDARY PERMITTEE SHALL SIGN THE PLAN OR PORTION OF THE	ON THE INTERMEDIATE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS C-410 THROUGH C-415 TO CONTROL EROSION AND STORMWATER RUNOFF.	THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE.
D	MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25-FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS	2. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION EXITS, ALL PERIMETER EROSION CONTROL AND STORMWATER MANAGEMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE INITIAL PHASE EROSION CONTROL PLAN. CONTRACTOR SHALL CONSTRUCT TEMPORARY SEDIMENT PONDS AND DIVERSION DIKES/DITCHES AS SHOWN	DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL IMMEDIATELY BE REPORTED TO THE DESIGN PROFESSIONAL WHO PREPARED THIS PLAN WHO WILL THEN ASSIST THE CONTRACTOR TO ADDRESS THE IDENTIFIED DIFFICULTY.
(1	<u>GENERAL NOTES</u> 3 1. NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS	BETWEEN 1-1/2" AND 3-1/2" IN DIAMETER AND OVERLAID ON A GEOTEXTILE UNDERLINER. THE GEOTEXTILE UNDERLINER SHALL MEET THE REQUIREMENTS OF AASHTO M288 SEPARATION REQUIREMENTS.	SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLAN IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE PROPOSED DRAINAGE PATTERNS. AS A PART OF THE SCOPE OF THIS PROJECT, IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL
	STORMWATER RUNOFF FROM THIS DEVELOPMENT WILL BE CONTAINED ON SITE	1. THE CONSTRUCTION EXIT, CONSISTING OF A MINIMUM PAD SIZE OF 20 FEET BY 50 FEET WITH A MINIMUM OF 6" THICK STONE, SHALL BE PLACED AS SHOWN ON THE PLAN. THE STONE SIZE SHALL CONSIST OF COARSE AGGREGATE	STABILIZED SO THAT IT WILL NOT ENTER THE INLET AGAIN. EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF
	WILL BE INSTALLED. ONCE BROUGHT TO FINAL GRADE, THE ROADS WILL BE STABILIZED, PONDS WILL RECIVE HDPE LINERS, AND ALL OTHER EXPOSED AREAS WILL BE STABILIZED WITH VEGETATION, SIDEWALKS, OR BUILDINGS.	THE FOLLOWING INITIAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY:	SLOUGHING INTO THE BUFFER AREAS. SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS, DISPOSED OF AND
	CONSTRUCTION WILL BEGIN WITH PLACEMENT OF PERIMETER SILT PROTECTION BARRIERS AND CONSTRUCTION ENTRANCES. AFTER THESE EROSION CONTROL BEST MANAGEMENT PRACTICES (BMPS) HAVE BEEN INSTALLED, CLEARING AND GRUBBING OF VEGETATION WILL COMMENCE IN AREAS THAT ARE TO BE DISTURBED. THIS SITE WILL THEN BE GRADED AND UTILITIES	PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION EXIT SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE OR ONTO ANY PUBLIC ROADWAY.	PERMANENT EROSION PROTECTION IS ESTABLISHED. EARTHWORK OPERATIONS IN THE VICINITY OF STREAM BUFFERS SHALL BE CAREFULLY CONTROLLED TO AVOID DUMPING OR
	DESCRIBE PROPERTY TO BE DEVELOPED: AS DESCRIBED IN THE TWIN PINES MINERALS MINING LAND USE PLAN, DATED 05-19-2022	EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITY SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLAN.	DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL GROUND COVER IS EXPOSED ONLY IN SMALL QUANTITIES AND LIMITED DURATIONS BEFORE
	SITUATED IN CHARLTON COUNTY, GEORGIA. THE PERMIT AREA CONTAINS 773 ACRES. THE TOTAL DISTURBED AREA IS 70.19 ACRES. 6	PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE AND ALL STREAM BUFFERS SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS OR OTHER APPROPRIATE MEANS. THE LOCATION AND	INTERMEDIATE PHASE EROSION CONTROL NOTES: THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE GRADING PHASE OF CONSTRUCTION:
	SITE DESCRIPTION OWNER/DEVELOPER AS PRIMARY PERMITTEE WILL OVERSEE SITE CONSTRUCTION LOCATED WITHIN THE PROPERTY	INITIAL PHASE EROSION CONTROL NOTES:	REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO ANY CONSTRUCTION ACTIVITY BY OTHERS.
E	BIRMINGHAM, ALABAMA 32091 205-545-8759 email:	3 20. LIMITS OF DISTURBANCE SHALL BE NO GREATER THAN 50 ACRES AT ANY ONE TIME OR AS APPROVED BY THE EPD SURFACE MINE LAND USE PERMIT.	STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLAN. THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING
	OWNER/DEVELOPER: (5) TWIN PINES MINERALS, LLC 2100 SOUTHBRIDGE PARKWAY SUITE 540	EXPOSURE TO PRECIPITATION AND TO STORMWATER WILL NOT RESULT IN A DISCHARGE OF POLLUTANTS, OR WHERE EXPOSURE OF A SPECIFIC MATERIAL OR PRODUCT POSES LITTLE RISK TO STORMWATER CONTAMINATION (SUCH AS FINAL PRODUCTS AND MATERIALS INTENDED FOR OUTDOOR USE).	AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING
	THIS PLAN WAS PREPARED AS REQUIRED BY NPDES GENERAL PERMIT NO. GAR 050000. THESE PLAN SHEETS AND ALL REQUIREMENTS OF THE GENERAL PERMIT AS WELL AS LOCAL, STATE, AND FEDERAL REGULATIONS OR LAWS APPLY REGARDLESS OF SPECIFIC INCLUSION IN THIS PLAN.	SITE, PROVIDE COVER (E.G. PLASTIC SHEETING, TEMPORARY ROOFS) TO MINIMIZE THE EXPOSURE OF THESE PRODUCTS TO PRECIPITATION AND TO STORMWATER, OR A SIMILARLY EFFECTIVE MEANS DESIGNED TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THESE AREAS. MINIMIZATION OF EXPOSURE IS NOT REQUIRED IN CASES WHERE	EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, AS A PART OF THE SCOPE OF THIS PROJECT, ADDITIONAL EROSION
		FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS PRESENT ON THE	

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THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE FINAL EROSION CONTROL PHASE OF CONSTRUCTION:

SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS, DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS AGAIN.

MULCH OR TEMPORARY SEEDING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.

THE CONTRACTOR SHALL MAINTAIN ALL SEDIMENT BASINS AND EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE BASINS WHEN IT REACHES THE CLEANOUT LEVEL AS INDICATED BY THE SILT DEPTH GAUGES OR THE MARK ESTABLISHED ON THE OUTLET CONTROL RISER PIPES.

STOCKPILED TOPSOIL SHALL BE APPLIED AT A MINIMUM THICKNESS OF 3-INCHES TO ALL FINAL GRADE SOIL SURFACES. IF SUFFICIENT TOPSOIL IS NOT AVAILABLE TO COVER ALL FINAL GRADE SURFACES, PREFERENCE SHALL BE GIVEN TO CUT AND FILL SLOPE AREAS.

AFTER CURBING, GRADED AGGREGATE BASE AND PAVEMENT HAS BEEN INSTALLED, ALL INLET SEDIMENT TRAPS ON SINGLE AND DOUBLE WING CATCH BASINS, ALONG WITH ANY CURB INLETS, SHALL BE REMOVED AND REPLACED WITH CURB FILTER INLET PROTECTION. SEE DETAILS FOR ADDITIONAL INFORMATION.

PERMANENT VEGETATION SHALL BE ESTABLISHED ON ALL ROADWAY AND PARKING SHOULDERS AS FINAL GRADE IS ACHIEVED BEHIND CURBS.

SEDIMENT AND EROSION CONTROL MEASURES SHALL BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED 1/2 THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES SHALL BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF MUD ONTO PUBLIC RIGHTS-OF-WAY UNTIL REPLACED WITH PERMANENT PAVING. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH A 1-INCH TO 3-INCH LAYER OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO PUBLIC ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, AS A PART OF THE SCOPE OF THIS PROJECT, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE AS DIRECTED BY THE ON-SITE INSPECTOR OR THE DESIGN PROFESSIONAL.

FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLAN.

THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO ANY CONSTRUCTION ACTIVITY BY OTHERS.

WHEN THE ENTIRE SITE HAS UNDERGONE FINAL STABILIZATION AND ALL STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY THAT ARE AUTHORIZED BY THIS PERMIT HAVE CEASED, THE CONTRACTOR SHALL NOTIFY THE OWNER TO SUBMIT A NOTICE OF TERMINATION (N.O.T.). (FOR COMMON DEVELOPMENT THE PRIMARY PERMITTEE MAY SUBMIT THE N.O.T. ONLY AFTER ALL CONSTRUCTION ACTIVITIES HAVE CEASED FOR A MINIMUM OF 90 DAYS, FINAL STABILIZATION HAS BEEN IMPLEMENTED BY THE PRIMARY PERMITTEE AND BY ALL SECONDARY PERMITTEE(S)). (SELECT ONE OPTION). OWNER SHALL SUBMIT N.O.T ELECTRONICALLY TO GA EPD USING GEOS AND SEND A COPY OF THE N.O.T. TO THE LOCAL ISSUING AUTHORITY (LIA) OR GA EPD DISTRICT OFFICE. (ADD ADDRESS FOR LIA OR EPD DISTRICT OFFICE).

UPON COMPLETION OF THE CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND DISPOSE OF THEM UNLESS NOTED ON PLAN.

MAINTENANCE & INSPECTION OF EROSION & SEDIMENT CONTROLS

MAINTENANCE

THE FOLLOWING BEST MANAGEMENT PRACTICE MAINTENANCE CRITERIA ARE TAKEN FROM THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA", FIFTH EDITION

CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1.5-INCH TO 3.5-INCH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURE TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

RETROFIT STRUCTURES SHALL BE KEPT CLEAR OF TRASH AND DEBRIS. THIS WILL REQUIRE CONTINUOUS MONITORING AND MAINTENANCE, WHICH INCLUDES SEDIMENT REMOVAL WHEN 1/3 OF THE SEDIMENT STORAGE CAPACITY HAS BEEN LOST.

SEDIMENT SHALL BE REMOVED FROM SILT FENCES ONCE IT HAS ACCUMULATED TO 1/2 THE ORIGINAL HEIGHT OF THE BARRIER. FILTER FABRIC SHALL BE REPLACED WHENEVER IT HAS DETERIORATED TO SUCH AN EXTENT THAT THE EFFECTIVENESS OF THE FABRIC IS REDUCED (APPROXIMATELY 6 MONTHS).

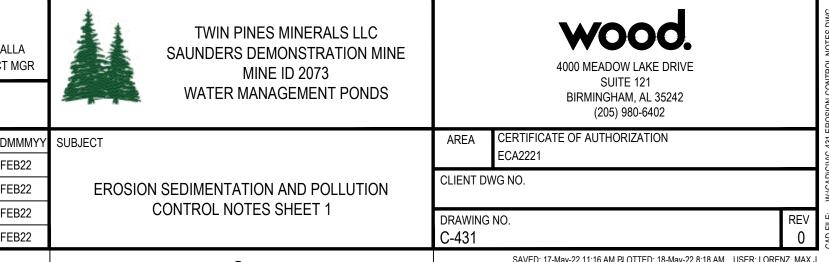
SEDIMENT SHALL BE REMOVED FROM SEDIMENT TRAPS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE HEIGHT OF THE TRAP. SEDIMENT SHALL BE REMOVED FROM CURB INLET PROTECTION IMMEDIATELY. FOR EXCAVATED INLET SEDIMENT TRAPS, SEDIMENT SHALL BE REMOVED WHEN 1/2 OF THE SEDIMENT STORAGE CAPACITY HAS BEEN LOST TO SEDIMENT ACCUMULATION.

	GSWCC	GEORGIA SOIL AND WATER CONSERVATION COMMISSION
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		TENTHS 0 INCHES 1 2 3					
	SEDIMENT SHALL NOT BE WASHED INTO THE INLET. IT SHALL BE REMOVED FROM THE SEDIMENT TRAP, DISPOSED OF AND STABILIZED SO THAT IT WILL NOT RE-ENTER THE INLET.	SEQUENCE OF MAJOR ACTIVITIES					
	WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED, ALL MATERIALS AND ANY SEDIMENT SHALL BE REMOVED AND EITHER SALVAGED OR DISPOSED OF PROPERLY. THIS DISTURBED AREA SHALL BE BROUGHT TO PROPER GRADE THEN SMOOTHED AND COMPACTED. APPROPRIATELY STABILIZE ALL DISTURBED AREAS AROUND THE INLET.	SEE CONSTRUCTION SCHEDULE. 424-HOUR CONTACT: MARK FOWLER (205) 403-5287					
Е	REPAIR ALL DAMAGES CAUSED TO TEMPORARY SEDIMENT BASINS BY SOIL EROSION OR CONSTRUCTION EQUIPMENT AT OR BEFORE THE END OF EACH WORKING DAY. SEDIMENT SHALL BE REMOVED FROM THE BASIN WHEN IT REACHES THE SPECIFIED DISTANCE BELOW THE TOP OF THE RISER. SEDIMENT SHALL NOT ENTER ADJACENT STREAMS OR DRAINAGE WAYS DURING SEDIMENT REMOVAL OR DISPOSAL. THE SEDIMENT SHALL	NAME OF RECEIVING WATERS (ENTER RECEIVING WATER NAME CHECK IF THE STREAM IS L SEGMENT IF YES, ADD ADDITIONAL BMP'S)					
	NOT BE DEPOSITED DOWNSTREAM FROM THE EMBANKMENT, ADJACENT TO A STREAM OR FLOODPLAIN. INSPECT RIPRAP OUTLET STRUCTURES AFTER HEAVY RAINS TO SEE IF ANY EROSION AROUND OR BELOW THE RIPRAP HAS TAKEN PLACE OR IF STONES HAVE BEEN DISLODGED. IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.	GEROSION AND SEDIMENT CONTROLS ALL PERIMETER SILT FENCES AND CONSTRUCTION EXITS SH ACTIVITIES.					
	ROUGHENED AREAS SHALL BE SEEDED AND MULCHED AS SOON AS POSSIBLE TO OBTAIN OPTIMUM SEED	EXISTING VEGETATION SHALL BE LEFT IN PLACE UNTIL SU					
	GERMINATION AND SEEDING GROWTH. MULCH OR TEMPORARY SEEDING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF DISTURBANCE. MULCH CAN BE USED AS A SINGULAR EROSION CONTROL DEVICE FOR UP TO 6 MONTHS, BUT IT SHALL BE APPLIED AT THE APPROPRIATE DEPTH DEPENDING ON THE MATERIAL USED, ANCHORED AND HAVE A CONTINUOUS 90% COVER OR GREATER OF THE SOIL SURFACE. MAINTENANCE SHALL BE REQUIRED TO MAINTAIN APPROPRIATE DEPTH AND 90% COVER. TEMPORARY VEGETATION MAY BE EMPLOYED INSTEAD OF MULCH IF THE	TAKE PLACE UPON THAT PORTION OF THE SITE. WHEN CONS THAT AREA SHALL BE STABILIZED WITHIN 14 DAYS. IF THE AR MULCHED. IF THE AREA IS TO FINAL GRADE AND WILL EVENTI STRUCTURES OR SIDEWALKS, IT SHALL BE TEMPORARY SEE REMAIN PERVIOUS ARE TO BE PERMANENTLY SEEDED. ALLO PERMIT, GAR 050000, ARE NOTED BELOW.					
	AREA WILL REMAIN UNDISTURBED FOR LESS THAN 6 MONTHS. IF AN AREA WILL REMAIN UNDISTURBED FOR GREATER THAN 6 MONTHS, PERMANENT VEGETATION TECHNIQUES SHALL BE EMPLOYED.	WHERE THE INITIATION OF STABILIZATION MEASURES BY THE TEMPORARILY OR PERMANENTLY CEASE IS PRECLUDED BY S CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED					
	PERMANENT VEGETATION SHALL BE APPLIED IMMEDIATELY TO ROUGH GRADED AREAS THAT WILL BE UNDISTURBED FOR LONGER THAN 6 MONTHS. THIS PRACTICE, OR SODDING, SHALL BE APPLIED IMMEDIATELY TO ALL AREAS AT FINAL GRADE. FINAL STABILIZATION MEANS THAT ALL SOIL DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED AND THAT, FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES, AT LEAST 70% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION OR FOUNDALE FOR ADDITION AND AND AND AND AND AND AND AND AND ADDITION OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION OR	WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION ACTIVITY WILL RESUME ON A PORTION ACTIVITIES CEASED, (E.G. THE TOTAL TIME PERIOD THAT CON LESS THAN 21 DAYS) THEN STABILIZATION MEASURES DO NO SITE BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEM					
D	EQUIVALENT PERMANENT STABILIZATION MEASURES (SUCH AS THE USE OF RIPRAP, GABIONS, PERMANENT MULCHES AND GEOTEXTILES) HAVE BEEN EMPLOYED. PERMANENT VEGETATION SHALL CONSIST OF: PLANTED TREES, SHRUBS, PERENNIAL VINES; A CROP OF PERENNIAL VEGETATION APPROPRIATE FOR THE FINAL STABILIZATION APPLIES TO EACH PHASE OF CONSTRUCTION. UNTIL THIS STANDARD IS SATISFIED AND PERMANENT CONTROL MEASURES AND FACILITIES ARE OPERATIONAL, INTERIM STABILIZATION MEASURES AND	REFER TO THE CONSTRUCTION SCHEDULE FOR THE LAND DI TEMPORARY AND PERMANENT GRASSING SCHEDULES.					
	TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES SHALL NOT BE REMOVED. CRITICAL WORK ZONE EROSION CONTROL NOTES:	OTHER CONTROLS NO WASTE SHALL BE DISPOSED OF INTO STORMWATER INLE					
	SHADED AREAS SHOWN ON GRADING PHASE EROSION CONTROL PLAN REPRESENT CRITICAL WORK ZONES. AT THE END OF EACH WORK DAY, ALL TEMPORARY SLOPES 3(H):1(V) OR STEEPER AND HIGHER THAN 5-FEET SHALL	WASTE MATERIALS					
	RECEIVE SURFACE ROUGHENING WHEN INCLEMENT WEATHER IS FORECAST FOR THE PERIOD BEFORE WORK WILL RESUME. ADDITIONALLY, ALL FILL SLOPES SHALL RECEIVE A DIVERSION DIKE AND TEMPORARY DOWN DRAINS ALONG THE TOP OF THE SLOPE PREVENTING DRAINAGE SPILLING OVER THE EDGE AND DOWN THE FACE OF THE SLOPE. THE TEMPORARY DOWN DRAINS SHALL BE CONSTRUCTED WITH PERFORATED STAND PIPES AT THE TOP OF THE SLOPE AND RECONSTRUCTED EACH DAY AS THE SLOPE INCREASES IN HEIGHT.	ALL WASTE MATERIALS SHALL BE COLLECTED AND STORED I DUMPSTER SHALL MEET ALL SOLID WASTE MANAGEMENT RE DEBRIS FROM THE SITE SHALL BE DEPOSITED IN THE DUMPS OF ONCE PER WEEK, OR MORE OFTEN IF NECESSARY, AND T REGULATIONS. NO CONSTRUCTION WASTE SHALL BE BURIED					
	ZONING THIS SITE IS ZONED: INDUSTRIAL	ALL PERSONNEL SHALL BE INSTRUCTED ON PROPER PROCE THESE PRACTICES SHALL BE POSTED AT THE JOB SITE AND					
	SURVEY INFORMATION	THAT THESE PROCEDURES ARE FOLLOWED.					
С	BOUNDARY INFORMATION BASED ON A SURVEY PERFORMED BY	HAZARDOUS WASTES ALL HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF					
	DAVID TURNER SOUTHERN RESOURCES MAPPING CORPORATION 2808-4 MCFARLAND BOULEVARD NORTHPORT, AL 35476 205-333-9900 TOPOGRAPHIC INFORMATION BASED ON A LIDAR SURVEY PERFORMED BY DAVID TURNER SOUTHERN RESOURCES MAPPING CORPORATION	ALL TIAZARDOOS WASTE MATERIALS STALE DE DISTOSED OF AND/OR FEDERAL REGULATIONS AND BY THE MANUFACTURE SUPERINTENDENT, WHO WILL ALSO BE RESPONSIBLE FOR SE SHALL INSTRUCT SITE PERSONNEL IN THESE PRACTICES. MA SUBSTANCE WITH HAZARDOUS PROPERTIES THAT IS USED OF THE PROPER MANAGEMENT OF POTENTIAL WASTES THAT MA SHALL BE POSTED IN THE IMMEDIATE AREA WHERE SUCH PR COPY OF EACH MSDS SHALL BE MAINTAINED IN THE ESPC PL OFFICE. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE INSTRUCTED ON THE USE OF MSDS SHEETS AND THE SPECIF THE PRODUCT HE/SHE IS USING, PARTICULARLY REGARDING					
	2808-4 MCFARLAND BOULEVARD NORTHPORT, AL 35476 205-333-9900 NGS MONUMENT: BD0176 VERTICAL DATUM: NAVD88 HORIZONTAL DATUM: NAD83(CORS96)	THE CONTRACTOR SHALL IMPLEMENT THE SPILL PREVENTION FOUND WITHIN THIS ESPC PLAN AND SHALL TRAIN ALL PERS SPILLED MATERIALS. NO SPILLED HAZARDOUS MATERIALS (COME IN CONTACT WITH STORMWATER DISCHARGES. IF SU DISCHARGE SHALL BE CONTAINED ON-SITE UNTIL APPROPR FEDERAL REGULATIONS ARE TAKEN TO DISPOSE OF SUCH (DESPONSIBILITY OF THE LOB SITE SUPERINTENDENT TO DR					
	ELEV 164.67 FLOOD INSURANCE RATE MAP NUMBER 13049C0475D, COMMUNITY NUMBER 130292, PANEL 0475, DATED JULY 7, 2014, SHOWS THE SITE AND THE SURROUNDING AREA NOT IN A FLOOD ZONE (NO BASE FLOOD ELEVATION	RESPONSIBILITY OF THE JOB SITE SUPERINTENDENT TO PF SPCC PLAN.					
В	DETERMINED).	<u>SANITARY WASTES</u> A MINIMUM OF ONE PORTABLE SANITARY UNIT SHALL BE PR					
	<u>SOIL TYPES</u> THE NCRS SOIL TYPES ARE: KJA, LeA, LoA, LvA, LYA AND MaA	ALL SANITARY WASTE SHALL BE COLLECTED FROM THE POR A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE CO					
	SOIL DISTURBING ACTIVITIES INCLUDE: INSTALLING A STABILIZED CONSTRUCTION EXIT, PERIMETER AND OTHER EROSION AND SEDIMENT CONTROLS	ALL SANITARY WASTE UNITS SHALL BE LOCATED IN AN AREA CONTRIBUTING TO STORMWATER DISCHARGE IS NEGLIGIBLE IMPLEMENTED, SUCH AS GRAVEL BAGS OR SPECIALLY DESIG BASE, TO PREVENT WASTES FROM CONTRIBUTING TO STORM WASTE UNITS MUST BE IDENTIFIED ON THE EROSION CONTR CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINI					
	 CLEARING AND GRUBBING EXCAVATION OF THE FOUNDATION 						
	GRADING AND EXCAVATION FOR UTILITIES						
	 PREPARATION FOR FINAL PLANTING AND SEEDING COMPLETION OF ON-SITE STABILIZATION 						
А							
2X34							
ANSI D-2	REV DDMMMYY REVISION / ISSUE DESCRIPTION DRN CHK APP APP APP REV DDMMMYY	ISSUED FOR PERMITTING MJL MMA PWM REVISION / ISSUE DESCRIPTION DRN CHK APP APP					
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NUMBER

ITIES	OFF-SITE VEHICLE TRACKING	
JLE.	A STABILIZED CONSTRUCTION EXIT HAS BEEN PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENT.	PRIMARY PERMITTEE.
DWLER (205) 403-5287	SEE SURFACE MINE LAND USE PLAN FOR CONSTRUCTION EXIT LOCATION AND DETAILS. THE PAVED STREET ADJACENT TO THE SITE EXIT SHALL BE INSPECTED DAILY FOR TRACKING OF MUD, DIRT OR ROCK. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE SHALL HAVE LOADS COVERED WITH A TARPAULIN. INVENTORY FOR POLLUTION PREVENTION PLAN	1. EACH DAY WHEN ANY TYPE (SITE, CERTIFIED PERSONNEL THE PRIMARY PERMITTEE'S S SPILLS AND LEAKS FROM VE PERMITTEE'S SITE WHERE VE
AME CHECK IF THE STREAM IS LOCATED ONE MILE OF A IMPAIRED STREAM ONAL BMP'S)	THE FOLLOWING MATERIALS ARE EXPECTED ON-SITE DURING CONSTRUCTION: CONCRETE PRODUCTS,	TRACKING. THESE INSPECTION
NTROLS NTROLS S AND CONSTRUCTION EXITS SHALL BE IN PLACE PRIOR TO ANY LAND DISTURBING	ASPHALT, PETROLEUM BASED FUELS AND LUBRICANTS FOR EQUIPMENT, TAR, METAL BUILDING MATERIALS, LUMBER, SHEET ROCK, FLOOR COVERINGS, ELECTRICAL WIRE AND FIXTURES, PAINTS/STAINS/FINISHING TREATMENTS, PAINTS, PAINT SOLVENTS, ADDITIVES FOR SOIL STABILIZATION, CLEANING SOLVENTS, PESTICIDES, FERTILIZERS, HERBICIDES, CRUSHED STONE, PLASTIC AND METAL PIPES.	2. MEASURE RAINFALL ONCE EN SUNDAY AND NON-WORKING MEASUREMENT OF RAINFALL STABILIZATION OR ESTABLIS PERENNIALS APPROPRIATE F
	SPILL PREVENTION	3. CERTIFIED PERSONNEL (PRO
L BE LEFT IN PLACE UNTIL SUCH TIME THAT LAND DISTURBING ACTIVITIES ARE TO RTION OF THE SITE. WHEN CONSTRUCTION ACTIVITIES HAVE CEASED IN AN AREA, IZED WITHIN 14 DAYS. IF THE AREA IS NOT YET TO FINAL GRADE, IT SHALL BE IFINAL GRADE AND WILL EVENTUALLY CONTAIN SITE IMPROVEMENTS SUCH AS THE S, IT SHALL BE TEMPORARY SEEDED. AREAS BROUGHT TO FINAL GRADE THAT WILL E PERMANENTLY SEEDED. ALLOWABLE EXCEPTIONS FROM THE NPDES GENERAL TED BELOW.	PRACTICES SUCH AS GOOD HOUSEKEEPING, PROPER HANDLING OF HAZARDOUS PRODUCTS AND PROPER SPILL CONTROL PRACTICES SHALL BE FOLLOWED TO REDUCE THE RISK OF SPILLS AND THE RISK OF SPILLS FROM DISCHARGING INTO STORMWATER RUNOFF.	LEAST ONCE EVERY FOURTE THAT IS 0.5 INCHES RAINFALL OR ON ANY NON-WORKING S HOLIDAY, IN WHICH CASE TH DAY AND/OR WORKING DAY, PERMITTEE'S CONSTRUCTION MATERIALS THAT ARE EXPOS
TED BELOW. TABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY	<u>GOOD HOUSEKEEPING</u> QUANTITIES OF PRODUCTS STORED ON-SITE SHALL BE LIMITED TO THE AMOUNT NEEDED FOR THE JOB.	MATERIALS THAT ARE EXPOS EROSION AND SEDIMENT CO PERMITTEE'S SITE SHALL BE
NTLY CEASE IS PRECLUDED BY SNOW COVER OR OTHER ADVERSE WEATHER MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE.	27. PRODUCTS AND MATERIALS SHALL BE STORED IN A NEAT, ORDERLY MANNER IN APPROPRIATE	DISCHARGE LOCATIONS OR F WHETHER EROSION CONTRO
IVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 21 DAYS FROM WHEN E TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS TABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE CONSTRUCTION ACTIVITY TEMPORARILY CEASED	 CONTAINERS PROTECTED FROM RAINFALL WHERE POSSIBLE. PRODUCTS SHALL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH MANUFACTURER LABELS LEGIBLE AND VISIBLE. 	RECEIVING WATER(S). FOR A ESTABLISHED A CROP OF AN FOR THE REGION, THE PERM CONDUCTED UNTIL A NOTICE
R CONSTRUCTION ACTIVITY TEMPORARILY CEASED.	3. PRODUCT MIXING, DISPOSAL AND DISPOSAL OF PRODUCT CONTAINERS SHALL BE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.	4. CERTIFIED PERSONAL (PROV MONTH DURING THE TERM O
IT GRASSING SCHEDULES.	 4. THE CONTRACTOR SHALL INSPECT SUCH MATERIALS TO ENSURE PROPER USE, STORAGE AND DISPOSAL. 	THE AREAS OF THE SITE THA ANNUAL VEGETATION AND A AREAS SHALL BE INSPECTED DRAINAGE SYSTEM AND THE
	REPRODUCT SPECIFIC PRACTICES	IDENTIFIED IN THE PLAN SHA WHERE DISCHARGE LOCATIO
ED OF INTO STORMWATER INLETS OR WATERS OF THE STATE	CONCRETE TRUCK WASHING - BERMED CONTAINMENT AREAS SHALL BE ESTABLISHED FOR CONCRETE TRUCKS TO WASH DOWN TOOLS, CONCRETE MIXER CHUTES, HOPPERS AND THE REAR OF THE VEHICLES. WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.	WHETHER EROSION CONTRO RECEIVING WATER(S).
L BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION L BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER SHALL BE EMPTIED A MINIMUM	FERTILIZER/HERBICIDES - IF USED, THESE PRODUCTS SHALL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS SHALL BE UNDER ROOF IN SEALED CONTAINERS.	5. BASED ON THE RESULTS OF AND CONTROL MEASURES ID THE PLAN SHALL BE REVISED EACH INSPECTION. IMPLEME NO CASE LATER THAN SEVEN
RE OFTEN IF NECESSARY, AND TRASH SHALL BE HAULED AS REQUIRED BY LOCAL CTION WASTE SHALL BE BURIED ON-SITE. ISTRUCTED ON PROPER PROCEDURES FOR WASTE DISPOSAL. A NOTICE STATING POSTED AT THE JOB SITE AND THE CONTRACTOR IS RESPONSIBLE FOR SEEING RE FOLLOWED.	PAINTS/FINISHES/SOLVENTS - IF USED, ALL PRODUCTS SHALL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT SHALL NOT BE DISCHARGED TO THE STORMWATER COLLECTION SYSTEM. EXCESS PRODUCT, MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS SHALL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.	6. A REPORT OF EACH INSPECT INSPECTION, THE DATE(S) OF FINAL), MAJOR OBSERVATION AND POLLUTION CONTROL P PERMIT SHALL BE MADE AND
	BUILDING MATERIALS - NO BUILDING OR CONSTRUCTION MATERIALS SHALL BE BURIED OR DISPOSED OF ON-SITE. ALL SUCH MATERIAL SHALL BE DISPOSED OF USING PROPER WASTE DISPOSAL PROCEDURES.	ALTERNATE LOCATION UNTIL HAS BEEN PHASED HAS UND TO EPD. SUCH REPORTS SHA WORKING DAY AND SHALL IE
ERIALS SHALL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE DNS AND BY THE MANUFACTURER OF SUCH PRODUCTS. THE JOB SITE L ALSO BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED, DNNEL IN THESE PRACTICES. MATERIAL SAFETY DATA SHEETS (MSDS) FOR EACH	(25) SPILL PREVENTION, CONTROL AND COUNTER MEASURES PLAN THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1320	BEEN PROPERLY INSTALLED NOT IDENTIFY ANY INCIDENT MANAGEMENT PRACTICES A CONTROL PLAN. THE REPOR
JS PROPERTIES THAT IS USED ON THE JOB SITE SHALL BE OBTAINED AND USED FOR OF POTENTIAL WASTES THAT MAY RESULT FROM THESE PRODUCTS. AN MSDS MEDIATE AREA WHERE SUCH PRODUCT IS STORED AND/OR USED AND ANOTHER BE MAINTAINED IN THE ESPC PLAN FILE AT THE JOB SITE CONSTRUCTION TRAILER	GALLONS OF PETROLEUM PRODUCTS ARE STORED ON-SITE (THIS INCLUDES FLUIDS WITHIN EQUIPMENT) IN VOLUMES OF 55 GALLONS OR GREATER. IF THIS CONDITION EXISTS, THE CONTRACTOR WILL NEED A SPILL PREVENTION, CONTROL AND COUNTERMEASURE (SPCC) PLAN PREPARED BY A LICENSED PROFESSIONAL ENGINEER (PE) OF THE STATE.	SECONDARY PERMITTEE. (SEE LIST
IO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES SHALL BE MSDS SHEETS AND THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR NG, PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES.	 PETROLEUM BASED PRODUCTS - CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS AND TARS SHALL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON-SITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. 	 EACH DAY WHEN ANY TYPE OPERMITTEE'S SITE, CERTIFIE (A) ALL AREAS USED BY THE USED, OR HANDLED FOR SPIRE
PLEMENT THE SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN AN AND SHALL TRAIN ALL PERSONNEL IN THE PROPER CLEANUP AND HANDLING OF LED HAZARDOUS MATERIALS OR HAZARDOUS WASTES SHALL BE ALLOWED TO RMWATER DISCHARGES, IF SUCH CONTACT OCCURS, THE STORMWATER	EQUIPMENT MAINTENANCE AREAS SHALL BE LOCATED AWAY FROM STATE WATER, NATURAL DRAINS AND STORMWATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINIMIZE SITE CONTAMINATION.	THE SECONDARY PERMITTER EVIDENCE OF OFF-SITE SEDI OF TERMINATION IS SUBMITT
RMWATER DISCHARGES. IF SUCH CONTACT OCCURS, THE STORMWATER AINED ON-SITE UNTIL APPROPRIATE MEASURES IN COMPLIANCE WITH STATE AND TAKEN TO DISPOSE OF SUCH CONTAMINATED STORMWATER. IT SHALL BE THE	• DISCHARGE OF OILS, FUELS AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS.	2. CERTIFIED PERSONNEL (PRO
SITE SUPERINTENDENT TO PROPERLY TRAIN ALL PERSONNEL IN THE USE OF THE	 LOCAL, STATE, AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE CLEARLY POSTED AND PROCEDURES SHALL BE MADE AVAILABLE TO SITE PERSONNEL. 	EVERY SEVEN (7) CALENDAR OR GREATER THE FOLLOWIN
E SANITARY UNIT SHALL BE PROVIDED FOR EVERY TEN (10) WORKERS ON THE SITE.	 MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP SHALL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST, AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS. 	SITE THAT HAS NOT UNDERG FOR STORAGE OF MATERIAL STABILIZATION; AND (C) STRI MEASURES IDENTIFIED IN TH OBSERVED TO ENSURE THA
BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY ITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS.	SPILL PREVENTION PRACTICES AND PROCEDURES SHALL BE REVIEWED AFTER A SPILL AND	POINTS ARE ACCESSIBLE, TH MEASURES ARE EFFECTIVE I
SHALL BE LOCATED IN AN AREA WHERE THE LIKELIHOOD OF THE UNIT ATER DISCHARGE IS NEGLIGIBLE. ADDITIONAL CONTAINMENT BMP'S MUST BE AVEL BAGS OR SPECIALLY DESIGNED PLASTIC SKID CONTAINERS ABOUND THE	 ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS SHALL BE REPORTED AS REQUIRED BY LOCAL STATE AND FEDERAL REGULATIONS. 	OF A SITE THAT HAVE UNDEI IV.D.3.a.(3). THESE INSPECTION THIS PARAGRAPH IS NOT AP SECONDARY PERMITTEES P
IVEL BAGS OR SPECIALLY DESIGNED PLASTIC SKID CONTAINERS AROUND THE FROM CONTRIBUTING TO STORMWATER DISCHARGES. THE LOCATION OF SANITARY TIFIED ON THE EROSION CONTROL PLAN GRADING PHASE, SHEET C-415 BY THE	 REPORTED AS REQUIRED BY LOCAL, STATE AND FEDERAL REGULATIONS. FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE), THE NATIONAL REPORTED AT A 2022 AT A 2022	3. CERTIFIED PERSONNEL (PRO
CATIONS HAVE BEEN DETERMINED.	 RESPONSE CENTER (NRC) SHALL BE CONTACTED WITHIN 24-HOURS AT 1-800-424-8802. FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) SHALL BE 	MONTH DURING THE TERM O THE AREAS OF THEIR SITES INSPECTED FOR EVIDENCE (
	 CONTACTED WITHIN 24-HOURS AT 1-800-424-8802. FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD 	AND THE RECEIVING WATER SHALL BE OBSERVED TO EN LOCATIONS OR POINTS ARE
	SHALL BE CONTACTED WITHIN 24-HOURS.	CONTROL MEASURES ARE E THIS PARAGRAPH IS NOT AP
	 FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL SHALL BE CLEANED UP AND LOCAL AGENCIES SHALL BE CONTACTED AS REQUIRED. 	SECONDARY PERMITTEES.
	DOCUMENT: (I) CONTAINS INFORMATION, DATA AND DESIGN THAT IS CONFIDENTIAL AND MAY NOT	VED FOR
	DOCUMENT: (I) CONTAINS INFORMATION, DATA AND DESIGN THAT IS CONFIDENTIAL AND MAY NOT BE COPIED OR DISCLOSED; AND (II) MAY BE USED BY THE CLIENT ONLY IN THE CONTEXT AND FOR THE EXPRESS PURPOSE FOR WHICH IT WAS INTENDED. ANY USE OF, OR RELIANCE ON, THIS DOCUMENT BY ANY THIRD PARTY IS AT THAT PARTY'S SOLE RISK.	P. MARCUM M. ABDALLA
	CLIENT PROJECT MGR	TECHNICAL MGR PROJECT MGR
	PROJECT PHASE	PERMITTING

REFER	ENCE
	5

TITLE

BY DDMMMYY

07FEB22

07FEB22

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07FEB22

SUBJECT

PROJECT NO.

SCALE

7382224061

AS SHOWN

ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S ERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT: (A) ALL AREAS AT RMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR FROM VEHICLES AND EQUIPMENT AND (B) ALL LOCATIONS AT THE PRIMARY WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

L ONCE EVERY 24 HOURS EXCEPT ANY NON-WORKING SATURDAY, NON-WORKING -WORKING FEDERAL HOLIDAY, UNTIL A NOTICE OF TERMINATION IS SUBMITTED. F RAINFALL MAY BE SUSPENDED IF ALL AREAS OF THE SITE HAVE UNDERGONE FINAL RESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET ROPRIATE FOR THE REGION.

NNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT Y FOURTEEN (14) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM S RAINFALL OR GREATER (UNLESS SUCH STORM ENDS AFTER 5:00 PM ON ANY FRIDAY VORKING SATURDAY, NON-WORKING SUNDAY OR ANY NON-WORKING FEDERAL H CASE THE INSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS (ING DAY, WHICHEVER OCCURS FIRST): (A) DISTURBED AREAS OF THE PRIMARY STRUCTION SITE; (B) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF ARE EXPOSED TO PRECIPITATION; AND (C) STRUCTURAL CONTROL MEASURES. DIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE TIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN ON CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO R(S). FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE THE PERMITTEE MUST COMPLY WITH PART IV.D.4.a(4). THESE INSPECTIONS MUST BE L A NOTICE OF TERMINATION IS SUBMITTED.

NAL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER E TERM OF THIS PERMIT (I.E. UNTIL A NOTICE OF TERMINATION IS SUBMITTED TO EPD) E SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION. THESE NSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE AND THE RECEIVING WATER(S). EROSION AND SEDIMENT CONTROL MEASURES PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. E LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN ON CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO

SULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION ASURES IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, E REVISED AS APPROPRIATE NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING I. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN HAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION.

CH INSPECTION THAT INCLUDES THE NAME(S) OF CERTIFIED PERSONNEL MAKING EACH DATE(S) OF EACH INSPECTION, CONSTRUCTION PHASE (I.E., INITIAL, INTERMEDIATE OR SERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION CONTROL PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PART IV.D.4.a.(5). OF THE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED TION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION PROJECT THAT D HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED PORTS SHALL BE READILY AVAILABLE BY END OF THE SECOND BUSINESS DAY AND/OR SHALL IDENTIFY ANY INCIDENTS OF BEST MANAGEMENT PRACTICES THAT HAVE NOT NSTALLED AND/OR MAINTAINED AS DESCRIBED IN THE PLAN. WHERE THE REPORT DOES INCIDENTS, THE INSPECTION REPORT SHALL CONTAIN A STATEMENT THAT THE BEST ACTICES ARE IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION HE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G.2 OF THIS PERMIT.

(SEE LIST OF PERMITTEES)

ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A SECONDARY ; CERTIFIED PERSONNEL PROVIDED BY THE SECONDARY PERMITTEE SHALL INSPECT: ED BY THE SECONDARY PERMITTEE WHERE PETROLEUM PRODUCTS ARE STORED, D FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT; AND (B) ALL LOCATIONS AT PERMITTEE SITE WHERE THAT PERMITTEE'S VEHICLES ENTER OR EXIT THE SITE FOR SITE SEDIMENT TRACKING. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE S SUBMITTED. THIS PARAGRAPH IS NOT APPLICABLE TO UTILITY COMPANIES AND TORS IF THEY ARE SECONDARY PERMITTEES.

NNEL (PROVIDED BY THE SECONDARY PERMITTEE) SHALL INSPECT AT LEAST ONCE CALENDAR DAYS AND WITHIN 24-HOURS OF THE END OF A STORM THAT IS 0.5 INCHES FOLLOWING: (A) DISTURBED AREAS OF THE SECONDARY PERMITTEE'S CONSTRUCTION T UNDERGONE FINAL STABILIZATION; (B) AREAS USED BY THE SECONDARY PERMITTEE MATERIALS THAT ARE EXPOSED TO PRECIPITATION THAT HAVE NOT UNDERGONE FINAL ND (C) STRUCTURAL CONTROL MEASURES. EROSION AND SEDIMENT CONTROL IFIED IN THE PLAN APPLICABLE TO THE SECONDARY PERMITTEE'S SITE SHALL BE SURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR SSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL FFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S). FOR AREAS AVE UNDERGONE FINAL STABILIZATION, THE PERMITTEE MUST COMPLY WITH PART INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED. IS NOT APPLICABLE TO UTILITY COMPANIES AND UTILITY CONTRACTORS IF THEY ARE MITTEES PERFORMING ONLY SERVICE LINE INSTALLATIONS.

NNEL (PROVIDED BY THE SECONDARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER HE TERM OF THIS PERMIT (I.E. UNTIL A NOTICE OF TERMINATION IS RECEIVED BY EPD) EIR SITES THAT HAVE UNDERGONE FINAL STABILIZATION. THESE AREAS SHALL BE VIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM NG WATER(S). EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN /ED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE DINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION RES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S). IS NOT APPLICABLE TO UTILITY COMPANIES AND UTILITY CONTRACTORS IF THEY ARE MITTEES.

TWIN PINES MINERALS LLC

SAUNDERS DEMONSTRATION MINE

MINE ID 2073

WATER MANAGEMENT PONDS



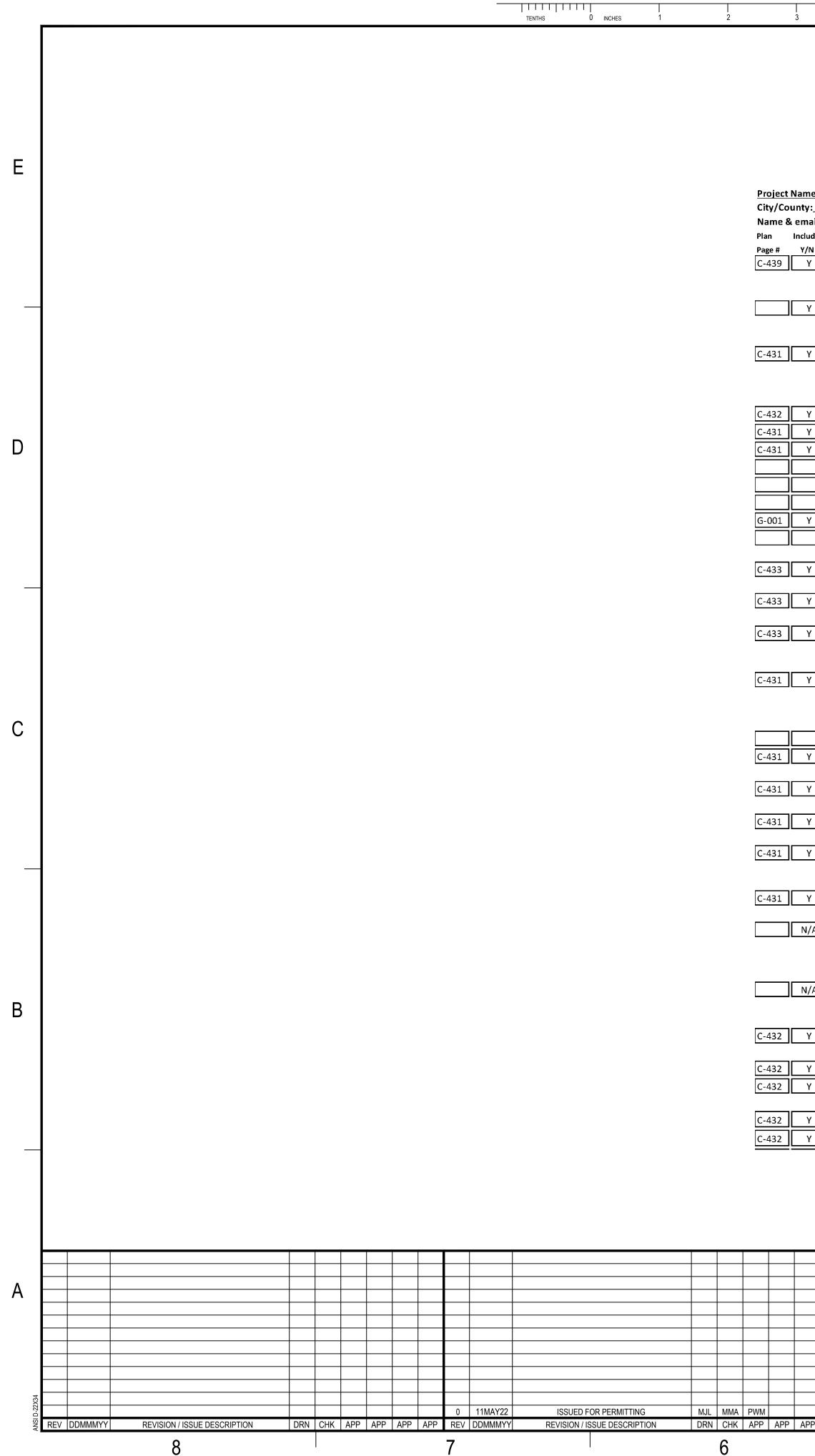
CERTIFICATE OF AUTHORIZATION AREA ECA2221

EROSION SEDIMENTATION AND POLLUTION CONTROL NOTES SHEET 2

CLIENT DWG NO. DRAWING NO. C-432

SAVED: 17-May-22 11:16 AM PLOTTED: 18-May-22 8:18 AM USER: LORENZ, MAX J

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	4. BASED ON THE RESULTS OF EACH INSPECTION, THE SECONDARY PERMITTEE MUST NOTIFY THE PRIMARY	3 SAMPLING FREQUENCY	RETENTION OF RECORDS	DESIGN PROFESSIONAL'S CERTIFICATION:
	PERMITTEE WITHIN 24-HOURS OF ANY SUSPECTED BMP DESIGN DEFICIENCIES. THE PRIMARY PERMITTEE MUST EVALUATE WHETHER THESE DEFICIENCIES EXIST WITHIN 48-HOURS OF SUCH NOTICE, AND, IF THESE DEFICIENCIES ARE FOUND TO EXIST, MUST AMEND THE PLAN IN ACCORDANCE WITH PART IV.C. OF THE NPDES PERMIT TO ADDRESS THOSE DEFICIENT BMPS WITHIN SEVEN (7) DAYS OF BEING NOTIFIED BY THE SECONDARY PERMITTEE. WHEN THE PLAN IS AMENDED, THE PRIMARY PERMITTEE MUST NOTIFY AND PROVIDE A COPY OF THE AMENDMENT TO ALL AFFECTED SECONDARY PERMITTEE(S) WITHIN A SEVEN (7) DAY PERIOD. THE SECONDARY PERMITTEES MUST IMPLEMENT ANY NEW PLAN REQUIREMENTS AFFECTING THEIR SITE(S) WITHIN 48-HOURS OF NOTIFICATION BY THE PRIMARY PERMITTEE.	STORMWATER SAMPLES SHALL BE TAKEN FOR THE FOLLOWING STORM EVENTS: A. FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN PERMIT GAR 10000[1, 2, OR 3] AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO COMPLETION OF MASS GRADING OPERATIONS, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE	 THE PRIMARY PERMITEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A N.O.T. IS SUBMITTED IN ACCORDANCE WITH PART VI OF THE NPDES PERMIT, GAR 050000: A. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD; 	1. "I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE STATE WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH LAND DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORMWATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING
E	5. A REPORT (I.E. NOT INDIVIDUAL INSPECTION FORMS) SUMMARIZING THE SCOPE OF THE INSPECTION AND THE NAME(S) OF PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, MAJOR OBSERVATION RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN AND ACTIONS TAKEN IN ACCORDANCE WITH PART IV.D.3.a.(4). OF THE NPDES PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION	 REPRESENTATIVE SAMPLING LOCATION; B. IN ADDITION TO (A) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN PERMIT GAR 10000[1, 2, OR 3] EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO SUBMITTAL OF A N.O.T., IN THE 	 B. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THE NPDES, GAR 050000 PERMIT; C. THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5. OF THE NPDES, GAR 050000 PERMIT; D. A COPY OF ALL SAMPLING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THE NPDES, GAR 	METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 10000[1, 2, OR 3]." GSWCC LEVEL II DESIGN PROFESSIONAL CERTIFICATION #
	IS SUBMITTED TO EPD. SUCH REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE. WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE, THE REPORT SHALL CONTAIN A CERTIFICATION THAT THE FACILITY IS IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN AND THIS NPDES PERMIT. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G. OF THIS PERMIT. THIS PARAGRAPH IS NOT APPLICABLE TO UTILITY COMPANIES AND UTILITY CONTRACTORS IF THEY ARE SECONDARY PERMITTEES PERFORMING ONLY SERVICE LINE	 DRAINAGE AREA OF THE LOCATION SELECTED AS THE REPRESENTATIVE SAMPLING LOCATION, WHICHEVER COMES FIRST; C. AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMP'S IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND 	 050000 PERMIT; E. A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.a. OF THE NPDES, GAR 050000 PERMIT; F. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN 	13 2. "I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY SUPERVISION." GSWCC LEVEL II DESIGN PROFESSIONAL CERTIFICATION #
	INSTALLATIONS. SHOULD THE INSPECTION REVEAL ANY DEFICIENCIES, A COPY OF THE "EROSION & SEDIMENTATION INSPECTION AND MAINTENANCE REPORT" SHALL BE SENT TO GA EPD USING GEOS (ELECTRONIC SUBMITTAL SERVICE PROVIDED BY EPD) AND A COPY TO THE LOCAL ISSUING AUTHORITY OR GA EPD DISTRICT OFFICE:	IMPLEMENTED WITHIN TWO (2) BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BMPS ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED.	ACCORDANCE WITH PART III.D.2. OF THE NPDES, GAR 050000 PERMIT; AND G. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.a.(2). OF THE NPDES, GAR 050000 PERMIT.	1 CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT
	ATTN: TWIN PINES MINERALS, LLC 2100 SOUTHBRIDGE PARKWAY SUITE 540 BIRMINGHAM, ALABAMA 32091 205-545-8759	D. WHERE SAMPLING PURSUANT TO (A), (B) OR (C) ABOVE IS REQUIRED BUT NOT POSSIBLE (OR NOT REQUIRED BECAUSE THERE WAS NO DISCHARGE), THE PERMITTEE, IN ACCORDANCE WITH PART IV.D.4.a.(6), MUST INCLUDE A WRITTEN JUSTIFICATION IN THE INSPECTION REPORT OF WHY SAMPLING WAS NOT PERFORMED. PROVIDING THIS JUSTIFICATION DOES NOT RELIEVE THE PERMITTEE OF ANY SUBSEQUENT SAMPLING OBLIGATIONS UNDER (A), (B) OR (C) ABOVE.	2. COPIES OF ALL NOTICES OF INTENT' NOTICES OF TERMINATION, INSPECTION REPORTS, SAMPLING REPORTS (INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION), OR OTHER REPORTS REQUESTED BY THE EPD, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THE NPDES GAR 050000 PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITEE WHO EITHER PRODUCED OR	CERTIFIED PERSONAL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED UPON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."
D	STORMWATER SAMPLING STORMWATER SAMPLING GUIDANCE IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THIS PROJECT IS INTENDED TO HAVE NO DISCHARGE FROM THE SITE. 33 <u>SAMPLE ANALYSIS</u>	E. EXISTING CONSTRUCTION ACTIVITIES, I.E., THOSE THAT ARE OCCURRING ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT, THAT HAVE MET THE SAMPLING REQUIRED BY (A) ABOVE SHALL SAMPLE IN ACCORDANCE WITH (B). THOSE EXISTING CONSTRUCTION ACTIVITIES THAT HAVE MET THE SAMPLING REQUIRED BY (B) ABOVE SHALL NOT BE REQUIRED TO CONDUCT ADDITIONAL SAMPLING OTHER THAN AS REQUIRED BY (C) ABOVE.	USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THE NPDES, GAR 050000 PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.	GSWCC LEVEL II DESIGN PROFESSIONAL CERTIFICATION #
	STORMWATER SAMPLES ARE TO BE ANALYZED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 AND THE GUIDANCE DOCUMENT TITLED "NPDES STORMWATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001." STORMWATER IS TO BE SAMPLED FOR NEPHELOMETRIC TURBIDITY UNIT (NTU) AT THE OUTFALL LOCATION(S). A	NOTE THAT THE PERMITEE MAY CHOOSE TO MEET THE REQUIREMENTS OF (A) AND (B) ABOVE BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING AT ANY TIME OF THE DAY OR WEEK.	SECONDARY PERMITTEES NOTE: THIS MASTER LIST TO BE COMPLETED AND SIGNED BY THE CONTRACTOR AND KEPT IN THE "ON-SITE" CONSTRUCTION TRAILER.	DESIGN PROFESSIONAL 7-DAY VISIT CERTIFICATION
	DISCHARGE OF STORMWATER RUNOFF FROM DISTURBED AREAS WHERE BEST MANAGEMENT PRACTICES HAVE NOT BEEN PROPERLY DESIGNED, INSTALLED AND MAINTAINED SHALL CONSTITUTE A SEPARATE VIOLATION FOR EACH DAY ON WHICH SUCH CONDITION RESULTS IN THE TURBIDITY OF THE DISCHARGE EXCEEDING (N/A), THE VALUE THAT WAS SELECTED FROM APPENDIX B IN PERMIT NO. GAR 050000. (34) THE NTU IS BASED UPON THE DISTURBED ACREAGE OF 70.19 ACRES ACRES FOR THE PROJECT SITE, THE SURFACE WATER DRAINAGE AREA OF (N/A) SQUARE MILES AND RECEIVING WATER WHICH SUPPORTS WARM WATER FISHERIES OR IF DISCHARGING	FOR THE MONTHS WHEN SAMPLING IS PERFORMED, A SUMMARY OF THE MONITORING RESULTS SHALL BE SENT TO GA EPD BY GEOS AND LOCAL ISSUE AUTHORITY OR EPD COASTAL DISTRICT OFFICE IN BRUNSWICK, GA BY THE 15TH OF EACH MONTH BY GEOS AND RETURN RECEIPT REQUESTED CERTIFIED MAIL (OR SIMILAR SERVICES). THE REPORT SUMMARY SHALL INCLUDE:	SECONDARY PERMITTEES SIGN WHEN RECEIVING PLAN. ALL SECONDARY PERMITTEES MUST SUBMIT SECONDARY N.O.I. AT LEAST 14 DAYS PRIOR TO BEGINNING CONSTRUCTION ACTIVITY. NAME PHONE: COMPANY FAX: ADDRESS	DATE OF INSPECTION
	 (NA) SQUARE MILLS AND RECEIVING WATER WINCH SOLF OR IS WARM WATER ISHERIES OR IF DISCHARGING INTO A RECEIVING WATER UPSTREAM AND DOWNSTREAM SAMPLING SHALL BE USED. THE INCREASE IN TURBIDITY FROM UPSTREAM SAMPLE TO DOWNSTREAM SAMPLE SHALL NOT BE MORE THAN: 25 NTUS (WARM WATER) (33) SAMPLE TYPE 	 THE RAINFALL AMOUNT, DATE, EXACT PLACE AND TIME OF SAMPLING OR MEASUREMENTS; THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE SAMPLING AND MEASUREMENTS; THE DATE(S) ANALYSES WERE PERFORMED; 	ADDRESS SIGNATURE	GSWCG LEVEL II DESIGN PROFESSIONAL CERTIFICATION #
С	ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED); THE GUIDANCE DOCUMENT TITLED "NPDES STORMWATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD.	 THE TIME(S) ANALYSES WERE INITIATED; THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE ANALYSES; REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR 	NAME PHONE: COMPANY FAX: ADDRESS ADDRESS SIGNATURE	INSPECTION REVEALED THE FOLLOWING DISCREPANCIES FROM THE ESPC PLAN.
	SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES. SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER. LARGE MOUTH, WELL-CLEANED AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING	 METHODS USED; THE RESULTS OF SUCH ANALYSES, INCLUDING THE BENCH SHEETS, INSTRUMENT READOUTS, COMPUTER DISKS OR TAPES, ETC., USED TO DETERMINE THESE RESULTS; RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU;" AND 	GSWCC LEVEL IA CERTIFICATION NO NAME PHONE: COMPANY FAX:	
	SAMPLES. THE JARS SHALL BE CLEANED THOROUGHLY TO AVOID CONTAMINATION. MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY BUT IN NO CASE LATER THAN 48-HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION, UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED. IF AUTOMATIC SAMPLING IS UTILIZED AND THE AUTOMATIC SAMPLER IS NOT ACTIVATED DURING THE QUALIFYING EVENT, THE PERMITTEE MUST UTILIZE MANUAL SAMPLING OR RISING STAGE SAMPLING DURING THE NEXT QUALIFYING EVENT. DILUTION OF SAMPLES IS NOT REQUIRED. SAMPLES MAY BE ANALYZED DIRECTLY WITH A PROPERLY CALIBRATED	 CERTIFICATION STATEMENT THAT SAMPLING WAS CONDUCTED AS PER THE PLAN. REPORTING PERIODS ARE MONTHS DURING WHICH SAMPLES ARE TAKEN IN ACCORDANCE WITH THE NPDES GAR 050000. ADDRESSES ARE PROVIDED BELOW: GOVERNING AGENCY: EPD BY GEOS AND EPD DISTRICT JAMIE LANCASTER SURFACE MINING UNIT MANAGER 	ADDRESS	THE DEFICIENCIES MUST BE ADDRESSED IMMEDIATELY AND A RE-INSPECTION SCHEDULED. WORK SHALL NOT PROCEED ON-SITE UNTIL DESIGN PROFESSIONAL CERTIFICATION IS OBTAINED.
В	TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED. SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART IV.E. <u>SAMPLE POINTS</u>	ATTN: TWIN PINES MINERALS, LLC 2100 SOUTHBRIDGE PARKWAY SUITE 540 BIRMINGHAM, ALABAMA 32091 205-545-8759	ADDRESS	
	THERE SHALL BE (N/A) STORMWATER SAMPLING LOCATIONS NUMBERED ? THROUGH ?. SAMPLING LOCATION NUMBERS (N/A) THROUGH (N/A) SHALL BE UPSTREAM SAMPLING POINTS. SAMPLING LOCATION NUMBERS (N/A) THROUGH (N/A) SHALL BE THE DOWNSTREAM LOCATIONS. PER NPDES PERMIT GAR 050000, FOR CONSTRUCTION ACTIVITIES, THE PRIMARY PERMITTEE MUST COMPLETE ALL SAMPLING. APPENDIX B WAS USED TO DETERMINE THE NTU UNITS ALLOWABLE AND UPSTREAM AND DOWNSTREAM	<u>COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS</u> THE CONTRACTOR SHALL OBTAIN COPIES OF ANY AND ALL LOCAL AND STATE REGULATIONS THAT ARE	NAME PHONE: COMPANY FAX: ADDRESS ADDRESS SIGNATURE	
	 CARE SHALL BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENT IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORMWATER CHANNEL. 	APPLICABLE TO STORMWATER MANAGEMENT, EROSION CONTROL AND POLLUTION MINIMIZATION AT THIS JOB SITE AND SHALL COMPLY FULLY WITH SUCH REGULATIONS. THE CONTRACTOR SHALL SUBMIT WRITTEN EVIDENCE OF SUCH COMPLIANCE IF REQUESTED BY THE OWNER OR ANY AGENT OF A REGULATORY BODY. THE CONTRACTOR SHALL COMPLY WITH ALL CONDITIONS OF ANY AND ALL LOCAL, STATE AND FEDERAL AGENCIES HAVING GOVERNING AUTHORITY, INCLUDING THE CONDITIONS RELATED TO MAINTAINING THE ESPC PLAN AND EVIDENCE OF COMPLIANCE WITH THE ESPC PLAN AT THE JOB SITE AND ALLOWING REGULATORY PERSONNEL	GSWCC LEVEL IA CERTIFICATION NO	GEORGIA SOIL AND WATER CONSERVATION COMMISSION
	 THE SAMPLING CONTAINER SHALL BE HELD SO THAT THE OPENING FACES UPSTREAM. THE SAMPLING SHALL BE KEPT FREE FROM FLOATING DEBRIS. THE PRIMARY PERMITTEE DOES NOT HAVE TO SAMPLE SHEET FLOW ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT 	ACCESS TO THE JOB SITE AND TO RECORDS IN ORDER TO DETERMINE COMPLIANCE.		Philip W Marcum Level II Certified Design Professional CERTIFICATION NUMBER 0000010833 ISSUED: 01/31/2022 EXPIRES: 01/31/2025 COPYRIGHT © 202
A	Image: Sector of the sector	Image: Sector of the sector	UNLESS OTHERWISE AGREED IN A WRITTEN CONTRACT BETWEEN WOOD AND ITS CLIENT, THIS DOCUMENT: (I) CONTAINS INFORMATION, DATA AND DESIGN THAT IS CONFIDENTIAL AND MAY NOT BE COPIED OR DISCLOSED; AND (II) MAY BE USED BY THE CLIENT ONLY IN THE CONTEXT AND FOR THE EXPRESS PURPOSE FOR WHICH IT WAS INTENDED. ANY USE OF, OR RELIANCE ON, THIS DOCUMENT BY ANY THIRD PARTY IS AT THAT PARTY'S SOLE RISK. STAMP/SEAL MR FOWLER PLACE	CAL MGR PROJECT MGR MINE MINE MINE MINE MINE MINE MINE MINE
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	EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST STAND ALONE CONSTRUCTION PROJECTS
	SWCD:Region III - Satilla River District
	Saunders Demonstration Mine <u>Address:</u> <u>Trail RidgeRoad</u> St George / Charlton Date on Plans:
	person filling out checklist:
Plan Included	
Page # Y/N	TO BE SHOWN ON ES&PC PLAN
C-439 Y	1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission
	as of January 1 of the year in which the land-disturbing activity was permitted. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)
	2 Level II certification number issued by the Commission, signature and seal of the certified design professional.
Υ	(Signature, seal and level II number must be on each sheet pertaining to ES&PC plan or the Plan will not be reviewed)
C-431 Y	3 Limits of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the GAEPD District Office. If GAEPD approves the request to disturb 50 acres or more at any one time, the Plan must
	include at least 4 of the BMPs listed in Appendix 1 of this checklist and the GAEPD approval letter. * (A copy of the written approval by GAEPD must be attached to the plan for the Plan to be reviewed.)
C-432 Y	4 The name and phone number of the 24-hour contact responsible for erosion, sedimentation and pollution controls.
C-431 Y	5 Provide the name, address, email address, and phone number of primary permittee.
C-431 Y	6 Note total and disturbed acreages of the project or phase under construction.
	7 Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.
	8 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
	9 Description of the nature of construction activity and existing site conditions.
G-001 Y	10 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
	11 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
C-433 Y	12 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on Part IV page 19 of the permit.
C-433 Y	13 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV page 19 of the perm
С-433 Ү	14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation."
	in accordance with Part IV.A.5 page 25 of the permit. *
C-431 Y	15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
	16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
	17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on
	BMPs with a hydraulic component must be certified by the design professional." *
	18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit." *
C-431 Y	19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
С-431 Ү 2	20 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
C-431 Y 2	21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
N/A 2	22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of a Biota Impaired Stream Segment must comply with Part III. C. of the permit. Include the completed Appendix 1 listing all the BMPs that will be used for those
	areas of the site which discharge to the Impaired Stream Segment. *
<u>N/A</u>	23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in Item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan. *
С-432 Ү	24 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited. *
C-432 Y	25 Provide BMPs for the remediation of all petroleum spills and leaks.
	26 Description of the measures that will be installed during the construction process to control pollutants in storm
	water that will occur after construction operations have been completed. *
C-432 Y	27 Description of practices to provide cover for building materials and building products on site. *
	28 Description of the practices that will be used to reduce the pollutants in storm water discharges. *

			29	Description and chart or ti	meline of the intended sec	uence of ma
				•	itial perimeter and sedime y activities, temporary and	-
2-432		Y	30	Provide complete require	ments of Inspections and r	ecord keepin
2-433		Y	31	Provide complete require	ments of Sampling Freque	ency and Rep
2-433		Y	32	Provide complete details t	for Retention of Records as	s per Part IV.I
2-433	Ī	Y	33	Description of analytical m	ethods to be used to colle	ct and analyz
2-433	Ī	Y	34	Appendix B rationale for N	ITU values at all outfall sar	npling points
	ΪĒ		35	Delineate all sampling loc	ations, perennial and inter	mittent strear
				storm water is discharged	d. *	
2-432		Y	36	A description of appropria		
				•	e requirements and perim s. For construction sites w	
				• • •	ate grading and drainage E	
				all of the BMPs into a sing	gle phase. *	
ALL		Y	37	Graphic scale and North a	arrow.	
L L		Y	38	Existing and proposed co		
				Map Scale 1 inch = 100ft or	Ground Slope Flat 0 - 2%	Contour In 0.5 o
				larger scale	Rolling 2 - 8%	1 or
					Steep 8% +	2,5 o
		N/A	39	Use of alternative BMPs v	hose performance has be	en documen
					ertified by a Design Profess	•
				and Water Conservation (www.gaswcc.georgia.gov.	Commission). Please refe	r to the Altern
		N/A	40	Use of alternative BMP for		ent BMP List
		,,,			ontrol in Georgia 2016 Edi	
			41	Delineation of the applicat	ble 25-foot or 50-foot undis	turbed buffers
				, ,	cal Issuing Authority. Clea	•
				Delineation of on-site wet		
				Delineation and acreage	0 0	•
	ļĻ			Provide hydrology study a		
			45	An estimate of the runoff c completed.	coemcient or peak discharg	je now ot the s
			46	Storm-drain pipe and weil erosion. ldentify/Delineate	r velocities with appropriate e all storm water discharge	-
			47	Soil series for the project	site and their delineation.	
			48	The limits of disturbance f	or each phase of construc	tion.
			49	Provide a minimum of 67	•	• •
				storage volume must be site has been achieved. / sediment basin is not atta sediment basin is not pro also be given. Workshee storage design profession from sediment basins and from the surface, unless in	and/or excavated inlet sec in place prior to and durin A written justification explain anable must be included in avided. A written justification ets from the Manual includ al to obtain the required so d impoundments, permitten feasible. If outlet structure ining this decision must be	g all land dist ning the decis n the Plan for n as to why 67 ed for structu ediment wher es are require s that withdra
			50	Location of Best Manager	ment Practices that are cor	nsistent with a
				Erosion and Sediment Co legend.	ntrol in Georgia. Use unif	orm coding s
			51	Provide detailed drawings forth in the Manual for Erc	for all structural practices. sion and Sediment Contro	•
			52	Provide vegetative plan, n		U
	-			•	er, lime and mulching rate ill take place and for the ap	•
				f using this checklist for a p within 200 ft of a perennial	roject that is less than 1 a	cre and not pa

					UNLESS OTHERWISE AGREED IN A WRITTEN CONTRACT BETWEEN WOOD AND ITS CLIENT, THIS DOCUMENT: (I) CONTAINS INFORMATION, DATA AND DESIGN THAT IS CONFIDENTIAL AND MAY NOT BE COPIED OR DISCLOSED; AND (II) MAY BE USED BY THE CLIENT ONLY IN THE CONTEXT AND FOR		VED FOR	-	
					THE EXPRESS PURPOSE FOR WHICH IT WAS INTENDED. ANY USE OF, OR RELIANCE ON, THIS DOCUMENT BY ANY THIRD PARTY IS AT THAT PARTY'S SOLE RISK.	M. FOWLER	P. MARCUM		ABDALL
					STAMP/SEAL	CLIENT PROJECT MGR	TECHNICAL MGR	PRO	DJECT M
						PROJECT PHASE			
	1				CA EGUSTER		PERMITTING		
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APP	APP			REFERENCES	~	ļ	APP		UTLL
				5	4		3		

ing by the primary permittee. *

eporting of sampling results. *

.F. of the permit. *

yze the samples from each location. *

ts where applicable. *

ams and other water bodies into which

mplemented at the construction site including: BMPs, (2) intermediate grading and drainage ill be no mass grading and the initial perimeter inal BMPs are the same, the Plan may combine

an interval in accordance with the following:

Intervals, ft.	
or 1	
or 2	
or 10	

ented to be equivalent to or superior to s disapproved by GAEPD or the Georgia Soil rnative BMP Guidance Document found at

t. Please refer to Appendix A-2 of the Manual

ers adjacent to state waters and any additional d delineate all areas of impact.

nd within 200 feet of the project site.

project site.

the pre- and post-developed conditions. * e site prior to and after construction activities are

ection to accommodate discharges without

acre drained using a temporary sediment basin, for each common drainage location. Sediment sturbance activities until final stabilization of the cision to use equivalent controls when a or each common drainage location in which a cubic yards of storage is not attainable must ural BMPs and all calculations used by the n using equivalent controls. When discharging ired to utilize outlet structures that withdraw water

aw water from the surface are not feasible, the Plan. and no less stringent than the Manual for

symbols from the Manual, Chapter 6, with

ons must, at a minimum, meet the guidelines set

getative practices. Include species, planting e plan shall be site specific for appropriate time eographic region of Georgia.

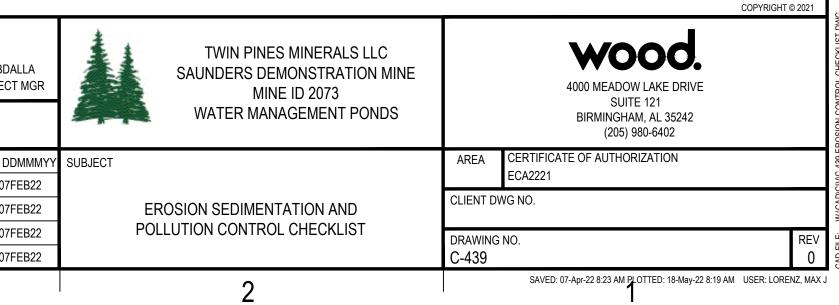
part of a common development e N/A.

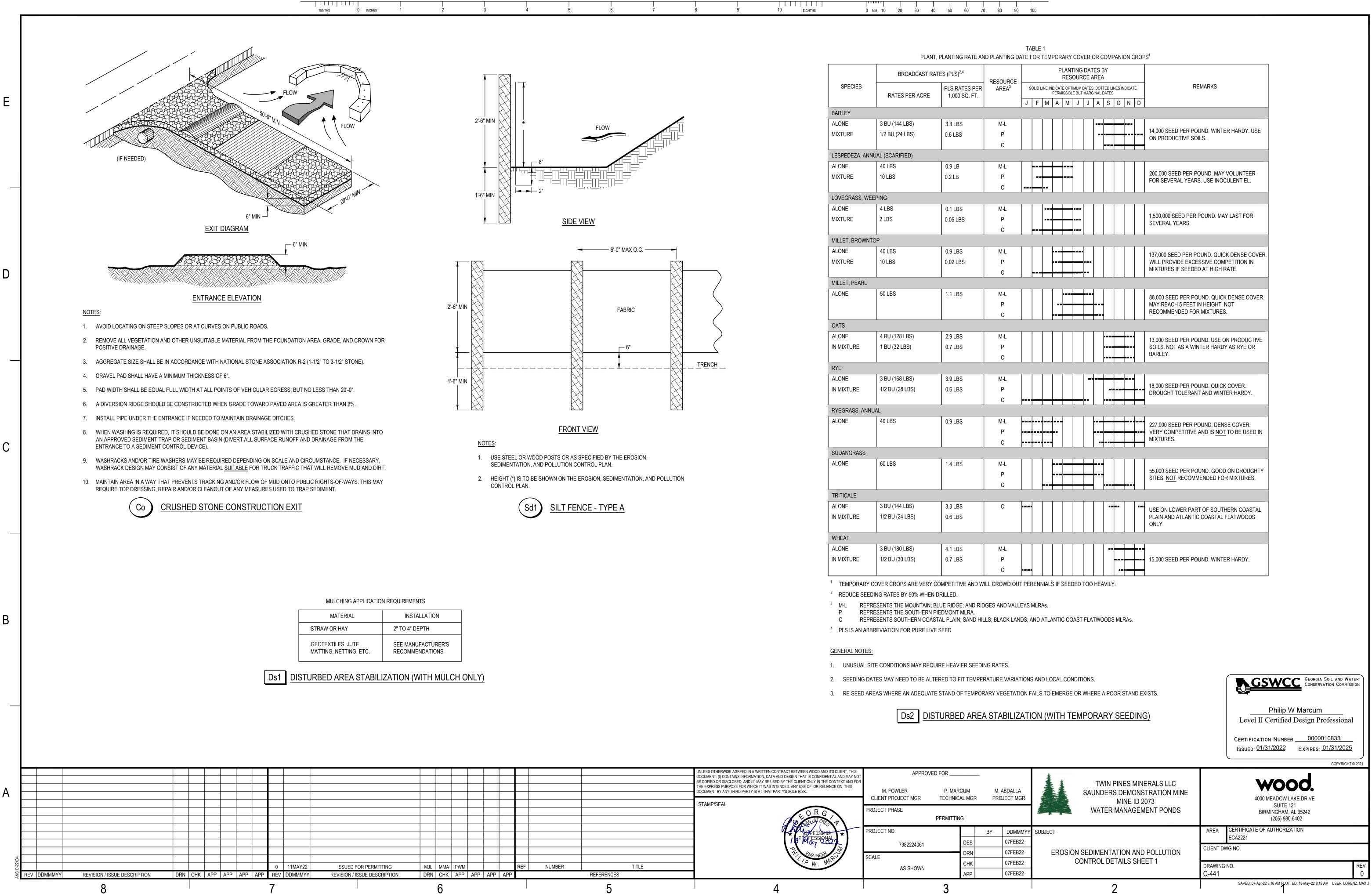
Effective January 1, 2022



Philip W Marcum Level II Certified Design Professional

CERTIFICATION NUMBER 0000010833 ISSUED: 01/31/2022 EXPIRES: 01/31/2025





3	4	5	6	7	8	9	10 EIGHTHS	0 мм 10	20	30	40	50	60	70	80	5

	BROADCAST RA	TES (PLS) ^{2,4}	RESOURCE					LANT RES(
SPECIES	RATES PER ACRE	PLS RATES PER 1,000 SQ. FT.	AREA ³				PERMI	SSIBLI	E BUT	MARG	INAL [DATES				REMARKS
				J	F	М	A	М	J	J	Α	S	0	N	D	
BARLEY				тт			- T					r		1	1	Γ
ALONE	3 BU (144 LBS)	3.3 LBS	M-L													14,000 SEED PER POUND. WINTER HARDY. USE
MIXTURE	1/2 BU (24 LBS)	0.6 LBS	P C													ON PRODUCTIVE SOILS.
LESPEDEZA, ANN	IUAL (SCARIFIED)			<u> </u>												
ALONE	40 LBS	0.9 LB	M-L	-												
MIXTURE	10 LBS	0.2 LB	Р													200,000 SEED PER POUND. MAY VOLUNTEER FOR SEVERAL YEARS. USE INOCULENT EL.
			С													
LOVEGRASS, WE	EPING															
ALONE	4 LBS	0.1 LBS	M-L					_								
MIXTURE	2 LBS	0.05 LBS	Р													1,500,000 SEED PER POUND. MAY LAST FOR SEVERAL YEARS.
			С	╞												
MILLET, BROWNT	OP															
ALONE	40 LBS	0.9 LBS	M-L			-										137,000 SEED PER POUND. QUICK DENSE COVER
MIXTURE	10 LBS	0.02 LBS	Р			-				***						WILL PROVIDE EXCESSIVE COMPETITION IN
			С	╞												MIXTURES IF SEEDED AT HIGH RATE.
MILLET, PEARL	-															
ALONE	50 LBS	1.1 LBS	M-L				ŀ									88,000 SEED PER POUND. QUICK DENSE COVER
			Р									4				MAY REACH 5 FEET IN HEIGHT. NOT
			С													RECOMMENDED FOR MIXTURES.
OATS	-	-1		<u> </u>		- 1						1	L			
ALONE	4 BU (128 LBS)	2.9 LBS	M-L		П								_	┝╸╸╼	•	13,000 SEED PER POUND. USE ON PRODUCTIVE
IN MIXTURE	1 BU (32 LBS)	0.7 LBS	Р													SOILS. NOT AS A WINTER HARDY AS RYE OR
			С													BARLEY.
RYE															1	
ALONE	3 BU (168 LBS)	3.9 LBS	M-L	П						-		-		 	•	
IN MIXTURE	1/2 BU (28 LBS)	0.6 LBS	Р													18,000 SEED PER POUND. QUICK COVER.
			С													DROUGHT TOLERANT AND WINTER HARDY.
RYEGRASS, ANNI	UAL											<u> </u>	I	1	I	
ALONE	40 LBS	0.9 LBS	M-L	┝╼╼┢										┝╍╺╴	↓	
			P												L.,	227,000 SEED PER POUND. DENSE COVER. VERY COMPETITIVE AND IS NOT TO BE USED IN
			C	+												MIXTURES.
SUDANGRASS				1 1								<u> </u>		I	I	
ALONE	60 LBS	1.4 LBS	M-L									-				
		1.4 LDO	P													55,000 SEED PER POUND. GOOD ON DROUGHTY
			C									L				SITES. NOT RECOMMENDED FOR MIXTURES.
TRITICALE					[[L	
ALONE	3 BU (144 LBS)	3.3 LBS	С	h aad												
IN MIXTURE	1/2 BU (24 LBS)	0.6 LBS	U	[]												USE ON LOWER PART OF SOUTHERN COASTAL PLAIN AND ATLANTIC COASTAL FLATWOODS
																ONLY.
WHEAT	1											I		1		
ALONE	3 BU (180 LBS)	4.1 LBS	M-L													
IN MIXTURE	1/2 BU (30 LBS)	0.7 LBS	Р												┝╸╸	15,000 SEED PER POUND. WINTER HARDY.
		1	С	1 1								1		1	1	

~~	400



_							TENTHS		0 inches	 1	2	3	 4 5	6	 7	 8 9	 10	EIGHTHS		0 мм 10 20	 30 40	 50 60	 70 80 90
												Р	LANT, PLANTING RATE AND PLANTIN	TABLE 1 NG DATE FOR PERMA	NENT COVER OR	COMPANION CROPS	1						
		BROADCAST	rrates (PLS) ^{1,2}			PLA	NTING DAT	TES BY					·	7			BROADCAST RA	TES (PLS) ^{1,2}		PI AN	TING DATES B		
	SPECIES		PLS RATES PER	RESOURCE	SOLID		ESOURCE A	AREA			RE	EMARKS			SPI	ECIES		PLS RATES PER	RESOURCE AREA ³		OURCE AREA		_
		RATES PER ACRE	1,000 SQ. FT.			M A M	IBLE BUT MARG	GINAL DATES		-								1,000 SQ. FT.		J F M A M	E BUT MARGINAL DA	ATES	,
Е	BAHIA, PENSACOLA ALONE OR WITH TEMPORARY	C0 D0	4.4100												LESPEDEZA SEI SCARIFIED	RICEA	60 LBS	1.4 LBS	M-L				350,000 SEED
_	COVER	60 LBS	1.4 LBS							WITH A COMP		EAD INTO BERMU	NG. SLOW TO ESTABLISH. PLANT IDA PASTURES AND LAWNS. MIX					1.4 LD0	P				LOVEGRASS, BECOME FULI
	WITH OTHER PERENNIALS BAHIA, WILMINGTON	30 LBS	0.7 LBS	C				┿╼╼┥ ╼ ╼┿╸		WITH SERICE/	A LESPEDEZA OR WEEP	ING LOVEGRASS.			UNSCARIFIED		75 LBS	1.7 LBS	C M-L	····	┽╾╸ ┽╾╾┽╾╾┥╾╾╼┝		INOCULANT.
	ALONE OR WITH TEMPORARY COVER	60 LBS	1.4 LBS	M-L		•				SAME AS ABO									P C				MIX WITH TAL
	WITH OTHER PERENNIALS	30 LBS	0.7 LBS	Р							VE				SEED-BEARING	НАҮ	3 TONS	1338 LBS	M-L				CUT WHEN SE WINTER ANNU
	BERMUDA, COMMON HULLED SEED			P															P C				_
		10 LBS 6	0.2 LBS	С	-	┥╍┝━┿╸	┥╌┥				D PER POUND. QUICK CO OR ATHLETIC FIELDS.	OVER. LOW GROW	WING AND SOD FORMING. FULL		LESPEDEZA AM SCARIFIED	BRO VIRGATA OR AP		14100	MI				300,000 SEED
	WITH OTHER PERENNIALS BERMUDA, COMMON	LBS	0.7 LBS												SCARIFIED		60 LBS	1.4 LBS	M-L P				URBAN AREAS
	UNHULLED SEED WITH TEMPORARY COVER	10 LBS 6	0.2 LBS 0.1	Р						PLANT WITH V	VINTER ANNUALS PLAN	T WITH			UNSCARIFIED		75 LBS	1.7 LBS	C M-L	++			ANNUALS. DO
	WITH OTHER PERENNIALS	LBS	LBS	С	H					TALL FESCUE				_					Р				-
D	BERMUDA SPRIGS COASTAL, COMMON, MIDLAND, OF			M-L								ATELY 650 SPRIG	S. A BUSHEL CONTAINS 1.25 CU. FT.		LESPEDEZA, SH	IRUB			С		<u> </u>		1
	TIFT 44 COASTAL, COMMON OR TIFT 44		Г. 0.9 CU. FT. OR LUGS 3'x3'	P. INI-L							IATELY 800 SPRIGS.				PLANTS		3'x3'		M-L				PROVIDE WILI
		300 P	1065 3 23	Ċ						SAME AS ABO									C				<u> </u>
	TIFT 78 CENTIPEDE	1			 +			*		SOUTHERN C	DASTAL PLAIN ONLY				LOVEGRASS, W	EEPING	4 LBS	0.1 LBS	M-L		+-		
				Р									EFFECTIVE ADJACENT TO				01.00		Р				1,500,000 SEE SERICEA LESF
		BLOCK	SOD ONLY	С							. DO NOT PLANT NEAR F		ER HARDY AS FAR NORTH AS		WITH OTHER PE		2 LBS	0.05 LBS			T -		
	CROWNVETECH	I													SPRIGS		2'x3' SPACING	ALL					FOR VERY WE ALONG RIVER
	WITH WINTER ANNUALS OR COOL SEASON GRASSES	15 LBS	0.3 LBS	M-L P						ATTRACTIVE	ROSE, PINK AND WHITE	BLOSSOMS SPRI	T TOLERANT AND FIRE RESISTANT. NG TO LATE FALL. MIX WITH 30 ICULATE SEED WITH M INOCULANT.		PANICGRASS, A	TLANTIC COASTAL	20 LBS	0.5 LBS	Р				GROWS WELL
	FESCUE, TALL										ORTH ATLANTA AND NOF			-					С				WINTER COVE
	ALONE	50 LBS 30	1.1 LBS	M-L	TT			┝╍┿┯┿╸	••				ER SITES. MIX WITH PERENNIAL		REED CANARY	GRASS	50 LBS 30	1.1 LBS	M-L		+		
С	WITH OTHER PERENNIALS	LBS	0.7 LBS	Р							R CROWNVETCH. APPL OT FOR HEAVY USE AR		IN SPRING FOLLOWING FALL C FIELDS.			ERENNIALS	LBS	0.7 LBS	Р			<u></u>	GROWS SIMIL
	 REDUCE SEEDING RATES BY 5 PLS IS AN ABBREVIATION FOR 																10 LBS	0.2 LBS	M-L		1	TTT	227,000 SEED
	³ M-L REPRESENTS THE MC P REPRESENTS THE SO) UNTAIN; BLUE RI	IDGE; AND RIDGES	AND VALLEYS N	/ILRAs.														P C				GRASSES OR
	C REPRESENTS SOUTH	ERN COASTAL PL	AIN; SAND HILLS; B	BLACK LANDS; A	ND ATLAN	NTIC COAST	FLATWOO	DS MLRAs.				TABLE 2				FERTILIZER	TAB REQUIREMENTS F		IT VEGETATION				
	GENERAL NOTES:										SUG	GGESTED SEEDB	ED DEPTHS				ANALYSIS OR	2	RATE	N TOP DRI	ESSING RATE		IME
	 UNUSUAL SITE CONDITIONS I SEEDING DATES MAY NEED 1 										SLOPE	s	EEDBED DEPTH		OF SPECIES	PLANTING YEAR	EQUIVALENT (N-P-K)	(L	BS./ACRE)		S./ACRE)	•	AGRICULTUR/ ACRE.
	3. RE-SEED AREAS WHERE AN A							POOR STAN	ID EXISTS.		3:1 OR FLATTER	1" TO 4" DEP		COOL SEASO	N GRASSES	FIRST SECOND	6-12-12 6-12-12 10-10-10	1000		50-100 1/2/ 		•	AGRICULTUR/ THE GEORGIA
											2:1 TO 3:1	4" DEPTH			N GRASSES AND	MAINTENANCE FIRST	6-12-12 0-10-10	400		30 0-50 1/		•	LIME SPREAD "GROUND LIM
													NS EVERY 6" TO 8" HAND-DUG,	LEGUMES		SECOND MAINTENANCE	0-10-10	1000 400					CALCITIC OR I
_											2:1 OR STEEPER	IF NECESSA	· · · · · · · · · · · · · · · · · · ·	GROUND COV	/ERS	FIRST SECOND	10-10-10 10-10- 10-10-10	10 1300 3/ 130 3/ 1100	00				LESS THAN 50 NOT LESS TH
В																MAINTENANCE			AM PELLET PER			•	AGRICULTUR/ EQUIPMENT S
														PINE SEEDING	GS	FIRST	20-10-5	SEEDING	PLACED IN THE HOLE				GROUND LIME GROUND SO T A 20-MESH SII
														SHRUB LESPE	DEZA	FIRST MAINTENANCE	10-10-10 10-10-	10 700 700 4/					THROUGH A 1
														TEMPORARY SEEDED ALON	COVER CROPS NE	FIRST	10-10-10	500		30 5/			
														WARM SEASC	ON GRASSES	FIRST SECOND	6-12-12 6-12-12	1500 800		50-100 2/6/ 50-100 2/		1/ 2/	/ APPLY IN SF / APPLY IN SF
																MAINTENANCE FIRST	10-10-10	400		30		3/	/ APPLY IN 3 S / APPLY WHE
														WARM SEASC LEGUMES	ON GRASSES AND	SECOND MAINTENANCE	6-12-12 0-10-10 0-10-10	1000 400		50 6/		5/	/ APPLY TO G
														L	Ds3 DI		A STABILIZA	TION (WIT	H PERMANI	ENT VEGETATI	ON)	6/	/ APPLY WHE
																UNLESS OTHERWISE AGRE	ED IN A WRITTEN CONTRA	CT BETWEEN WOOD A	ND ITS CLIENT, THIS	•	APPROVED FO		
Δ																DOCUMENT: (I) CONTAINS I BE COPIED OR DISCLOSED THE EXPRESS PURPOSE FO DOCUMENT BY ANY THIRD	; AND (II) MAY BE USED BY OR WHICH IT WAS INTENDE	THE CLIENT ONLY IN T D. ANY USE OF, OR RI	THE CONTEXT AND FOR	M. FOWLER		P. MARCUM	M. ABDALLA
A																STAMP/SEAL			\sim	CLIENT PROJECT I		CHNICAL MGR	PROJECT MG
																1	Fr	E O R			PER	MITTING	
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REMARKS

EED PER POUND. WIDELY ADAPTED. LOW MAINTENANCE. MIX WITH WEEPING SS, COMMON BERMUDA, BAHIA OR TALL FESCUE. TAKES 2 TO 3 YEARS TO FULLY ESTABLISHED. EXCELLENT ON ROAD BANKS. INOCULATE SEED WITH EL

TALL FESCUE OR WINTER ANNUALS.

N SEED MIXTURE IS MATURE, BUT BEFORE IT SHATTERS. ADD TALL FESCUE OR NNUALS.

EED PER POUND. HEIGHT OF GROWTH IS 18 TO 24 INCHES. ADVANTAGEOUS IN REAS. SPREADING-TYPE GROWTH. NEW GROWTH HAS BRONZE COLORATION. WEEPING LOVEGRASS, COMMON BERMUDA, BAHIA, TALL FESCUE OR WINTER . DO NOT MIX WITH SERICEA LESPEDEZA. SLOW TO DEVELOP SOLID STANDS. E SEED WITH EL INOCULANT.

WILDLIFE FOOD AND COVER.

SEED PER POUND. QUICK COVER. DROUGHT TOLERANT. GROWS WELL WITH LESPEDEZA ON ROAD BANKS.

WET SITES. MAY CLOG CHANNELS. DIG SPRIGS FROM LOCAL SOURCES. USE VER BANKS AND SHORELINES.

VELL ON COASTAL SAND DUNES, BORROW AREAS AND GRAVEL PITS. PROVIDES COVER FOR WILDLIFE. MIX WITH SERICEA LESPEDEZA EXCEPT ON SAND DUNES.

IMILAR TO TALL FESCUE.

EED PER POUND. MIX WITH WEEPING LOVEGRASS OR OTHER LOW GROWING OR LEGUMES.

FURAL LIME IS REQUIRED AT THE RATE OF 2 TONS PER

FURAL LIME SHALL BE WITHIN THE SPECIFICATIONS OF RGIA DEPARTMENT OF AGRICULTURE.

EAD BY CONVENTIONAL EQUIPMENT SHALL BE LIMESTONE". GROUND LIMESTONE IS OR DOLOMITIC LIMESTONE GROUND SO THAT 90% OF ERIAL WILL PASS THROUGH A 10-MESH SIEVE, NOT N 50% WILL PASS THROUGH A 50-MESH SIEVE AND THAN 25% WILL PASS THROUGH A 100-MESH SIEVE.

FURAL LIME SPREAD BY HYDRAULIC SEEDING NT SHALL BE "FINELY GROUND LIMESTONE". FINELY LIMESTONE IS CALCITIC OR DOLOMITIC LIMESTONE SO THAT 98% OF THE MATERIAL WILL PASS THROUGH H SIEVE AND NOT LESS THAN 70% WILL PASS A 100-MESH SIEVE.

N SPRING FOLLOWING SEEDING.

N SPLIT APPLICATIONS WHEN HIGH RATES ARE USED.

N 3 SPLIT APPLICATIONS.

WHEN PLANTS ARE PRUNED.

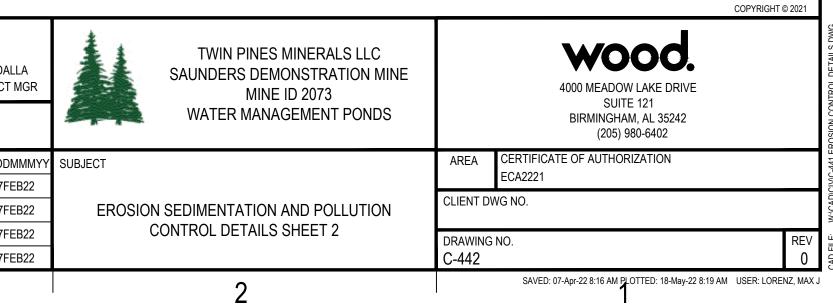
TO GRASS SPECIES ONLY.

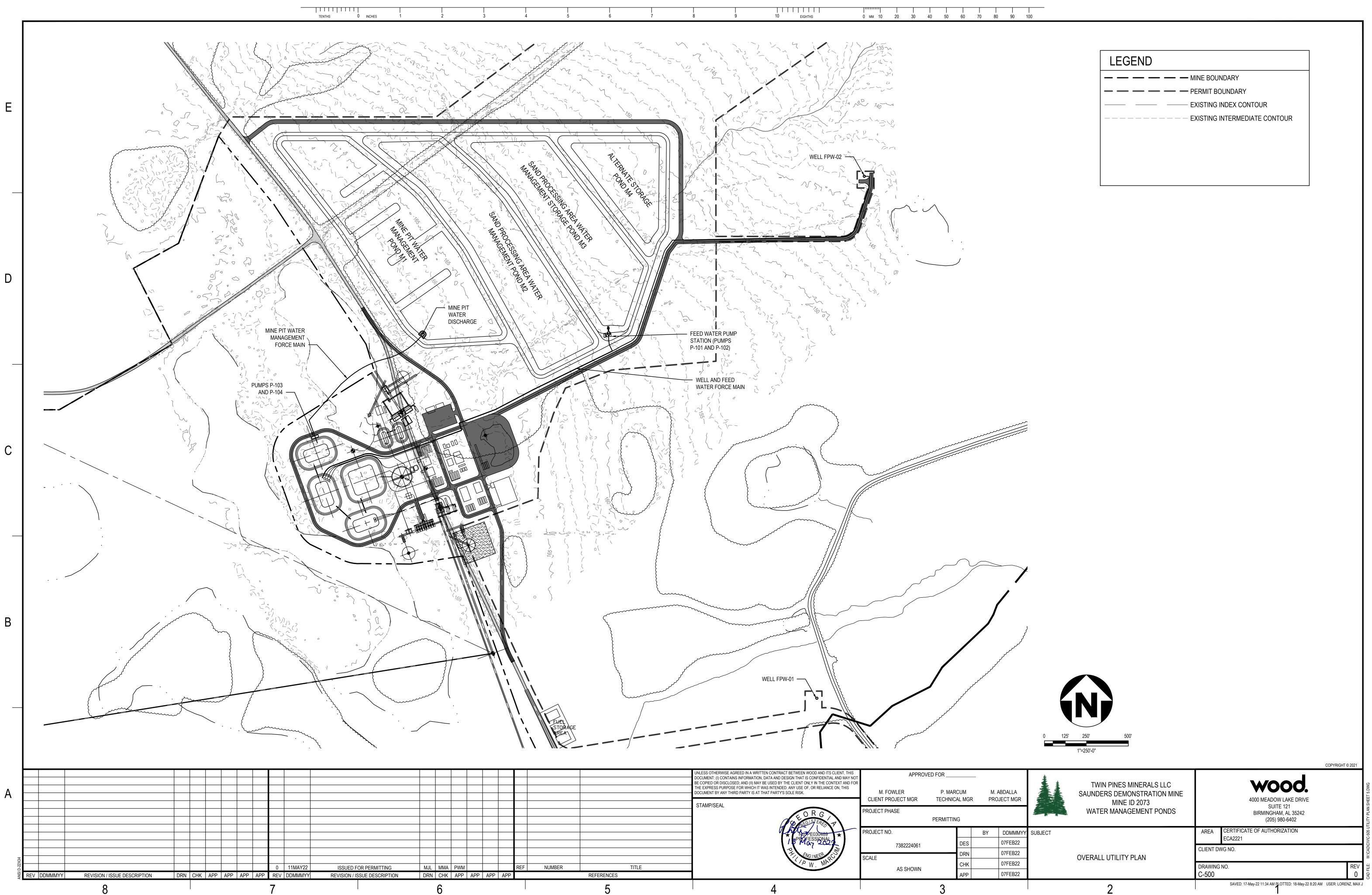
WHEN PLANTS GROW TO A HEIGHT OF 2 TO 4 INCHES.



Level II Certified Design Professional

CERTIFICATION NUMBER 0000010833 ISSUED: 01/31/2022 EXPIRES: 01/31/2025

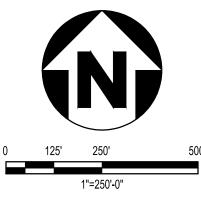


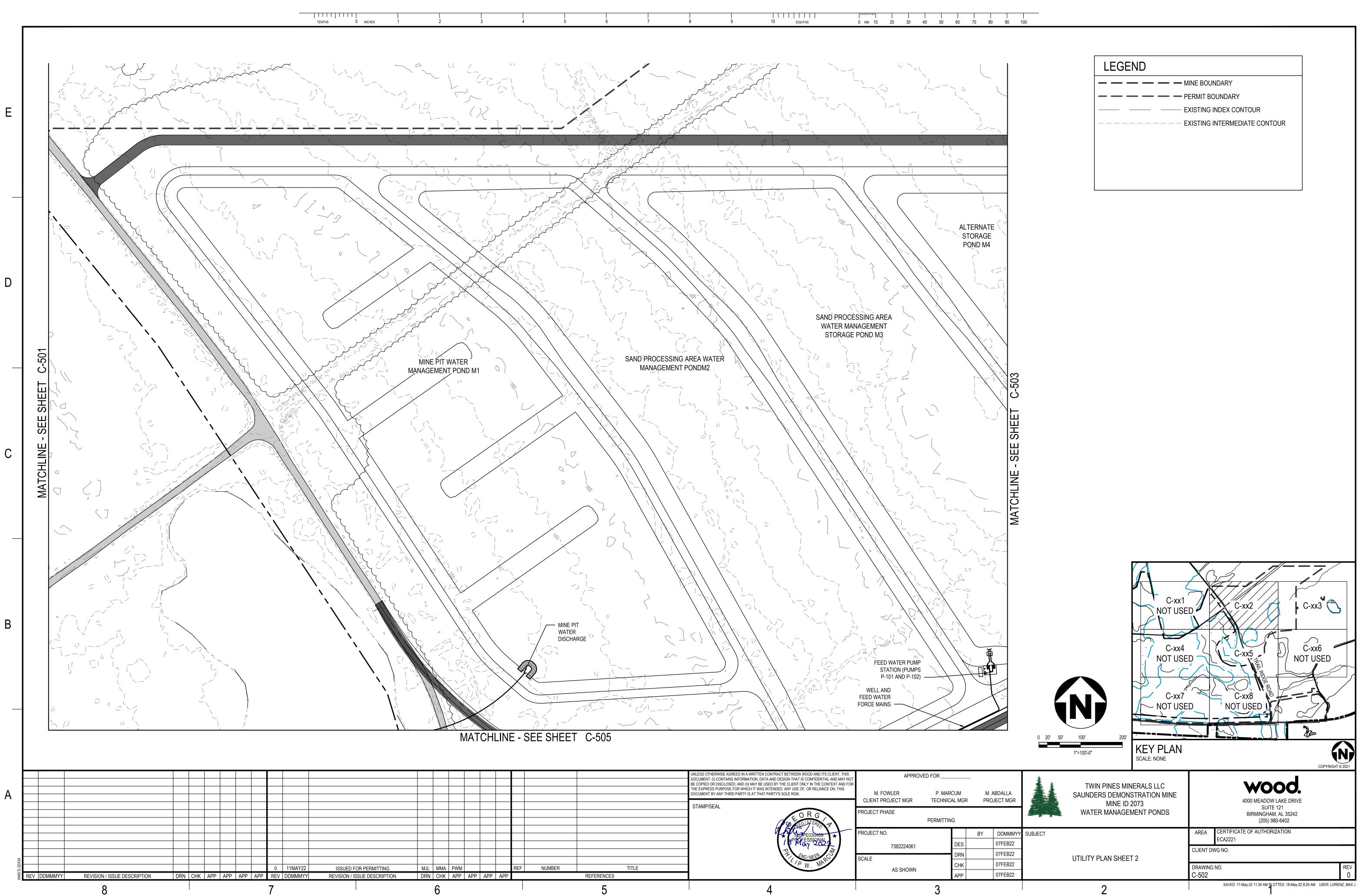




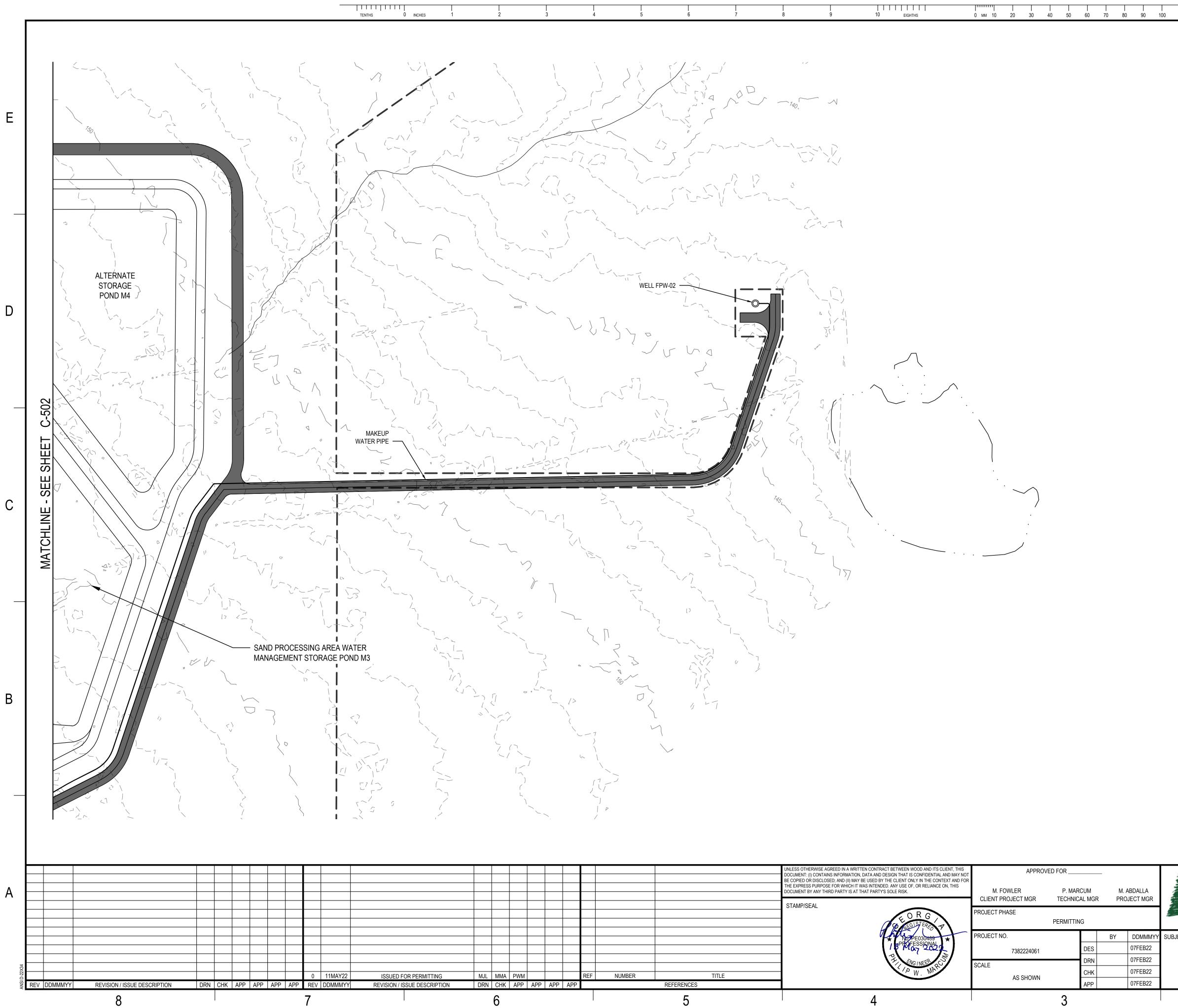
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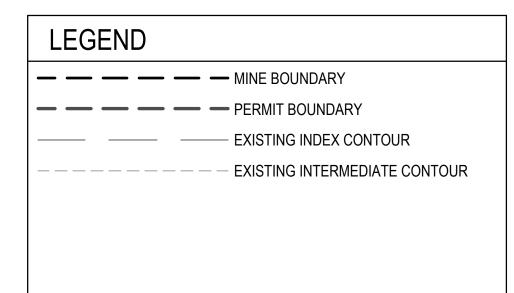


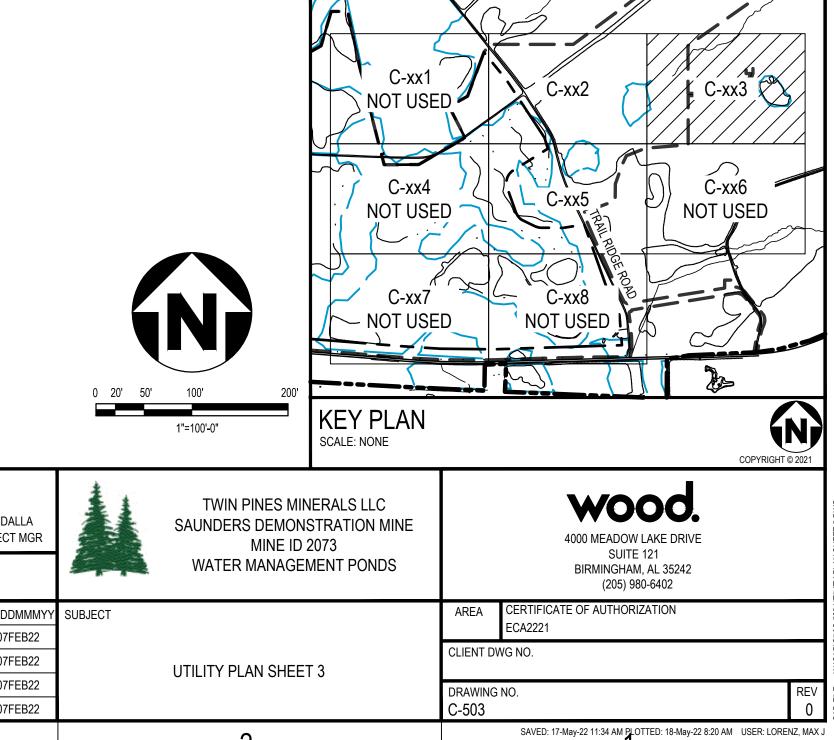
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					PROJECT PHASE					
				STAMD/SEAL	CLIENT PROJECT MGR	TECHNICAL MGR	PROJECT I			
				THE EXPRESS PURPOSE FOR WHICH IT WAS INTENDED. ANY USE OF, OR RELIANCE ON, THIS DOCUMENT BY ANY THIRD PARTY IS AT THAT PARTY'S SOLE RISK.	M. FOWLER	P. MARCUM	M. ABDAL			
				DOCUMENT: (I) CONTAINS INFORMATION, DATA AND DESIGN THAT IS CONFIDENTIAL AND MAY NO	DT AFFROM	APPROVED FOR				
				Image: Sector	DOCUMENT: (I) CONTAINS INFORMATION, DATA AND DESIGN THAT IS CONFIDENTIAL AND MAY NO BE COPIED OR DISCLOSED; AND (II) MAY BE USED BY THE CLIENT ONLY IN THE CONTEXT AND FO THE EXPRESS PURPOSE FOR WHICH IT WAS INTENDED. ANY USE OF, OR RELIANCE ON, THIS	Image: Constant in the constant	DOCUMENT: (I) CONTAINS INFORMATION, DATA AND DESIGN THAT IS CONFIDENTIAL AND MAY NOT BE COPIED OR DISCLOSED, AND (III) MAY BE USED BY THE CLIENT ONLY IN THE CONTEXT AND FOR THE EXPRESS PURPOSE FOR WHICH IT WAS INTENDED. ANY USE OF, OR RELIANCE ON, THIS DOCUMENT BY ANY THIRD PARTY IS AT THAT PARTY'S SOLE RISK. M. FOWLER P. MARCUM CLIENT PROJECT MGR TECHNICAL MGR			

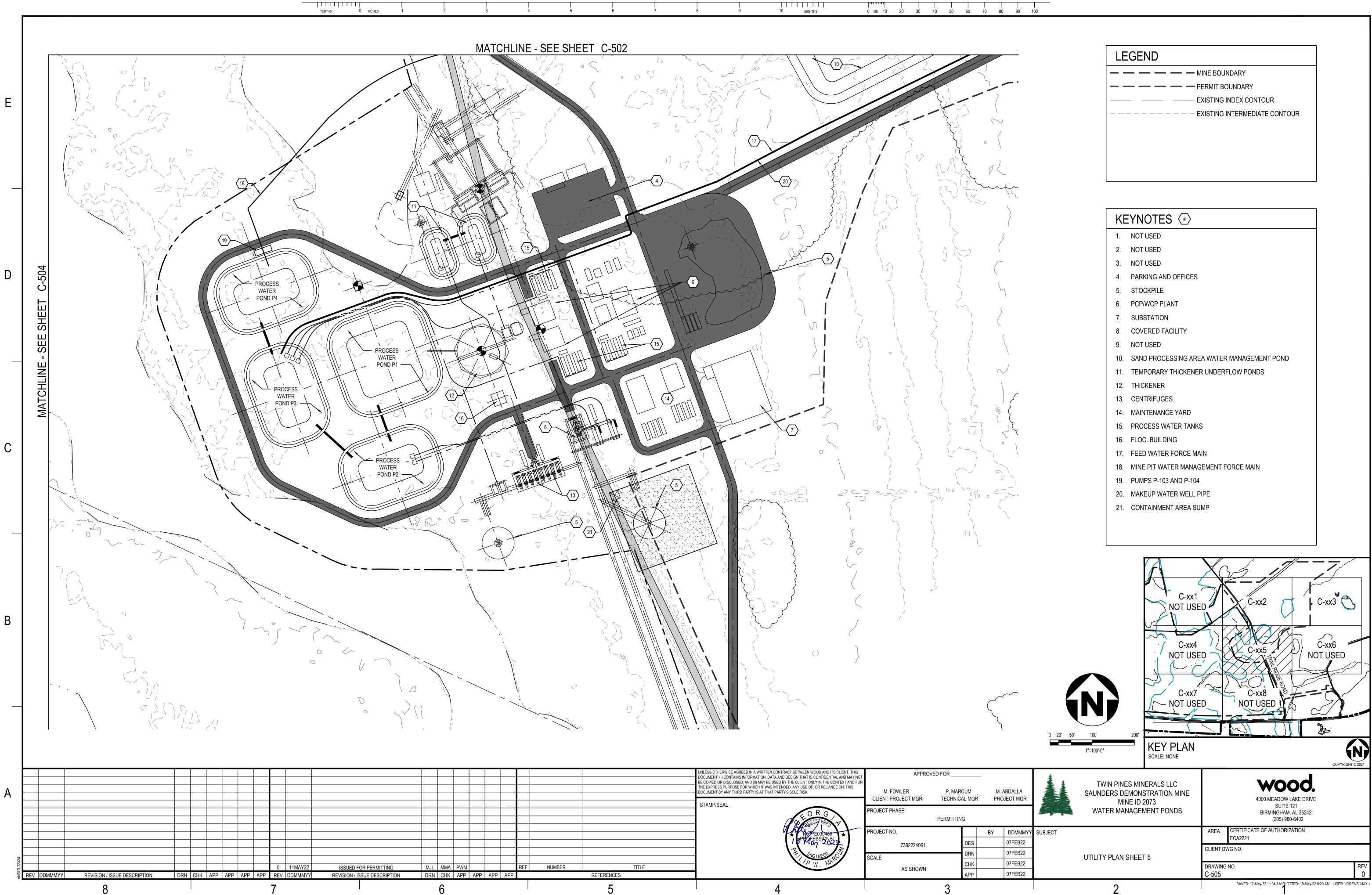


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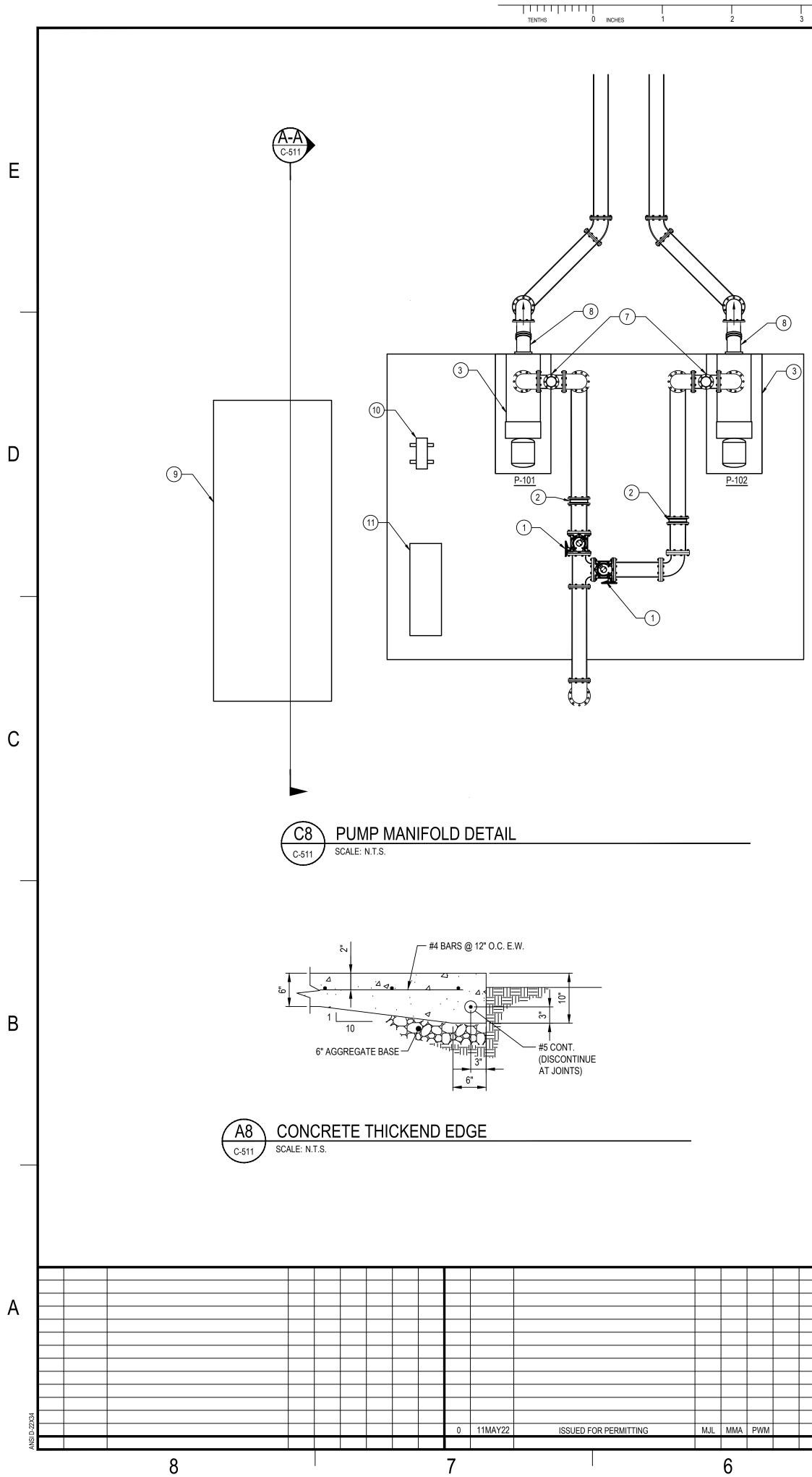




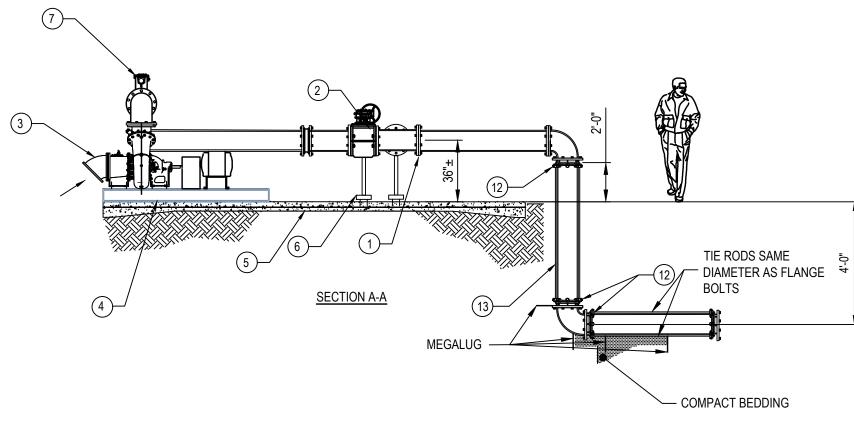


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	PUMP SCHEDULE															
TAG	AREA SERVING	TYPE	FLOW	HEAD (FT.	MOTOR SIZE	MOTOR RATED		PUMP OUTLET	E	LECTRIC	AL	BASIS OF DES	BIGN	DESCRIPTION	NOTES	
			(GPM)	WC)	(HP)	SPEED (RPM)	INLET(IN)	(IN)	VOLTS	PH	HZ	MANUFACTURER MODEL				
P-101	POND MANAGEMENT TRANSFER	BASE MOUNTED SELF PRIMING	2500	45	100	1150	12	12	460	3	60	GORMAN RUPP	112A-B	TO PROCESS PONDS FROM STORMWATER PONDS	1,2,3	
P-102	POND MANAGEMENT TRANSFER	BASE MOUNTED SELF PRIMING	2500	45	100	1150	12	12	460	3	60	GORMAN RUPP	112А-В	TO PROCESS PONDS FROM STORMWATER PONDS	1,2,3	
P-103	PROCESS POND	BASE MOUNTED SELF PRIMING	2500	25	100	1150	12	12	460	3	60	GORMAN RUPP	112D-В	FROM PROCESS PONDS TO STORMWATER PONDS	1,2,3	
P-104	PROCESS POND	BASE MOUNTED SELF PRIMING	2500	25	100	1150	12	12	460	3	60	GORMAN RUPP	112D-В	FROM PROCESS PONDS TO STORMWATER PONDS	1,2,3	
1. PROVIDE	PROVIDE WITH SKID															

2. OWNER TO PROVIDE WITH VFD

3. PUMP TO BE CONTROLLED BY ACOUSTIC LEVEL, SEE DRAWINGS

_								
_			UNLESS OTHERWISE AGREED IN A WRITTEN CONTRACT BETWEEN WOOD AND ITS CLIENT, THIS DOCUMENT: (I) CONTAINS INFORMATION, DATA AND DESIGN THAT IS CONFIDENTIAL AND MAY NOT		APPROVED FOR			
_	 		BE COPIED OR DISCLOSED; AND (II) MAY BE USED BY THE CLIENT ONLY IN THE CONTEXT AND FOR THE EXPRESS PURPOSE FOR WHICH IT WAS INTENDED. ANY USE OF, OR RELIANCE ON, THIS DOCUMENT BY ANY THIRD PARTY IS AT THAT PARTY'S SOLE RISK.	M. FOWLER CLIENT PROJECT MGR	P. MARCU TECHNICAL			BDALLA
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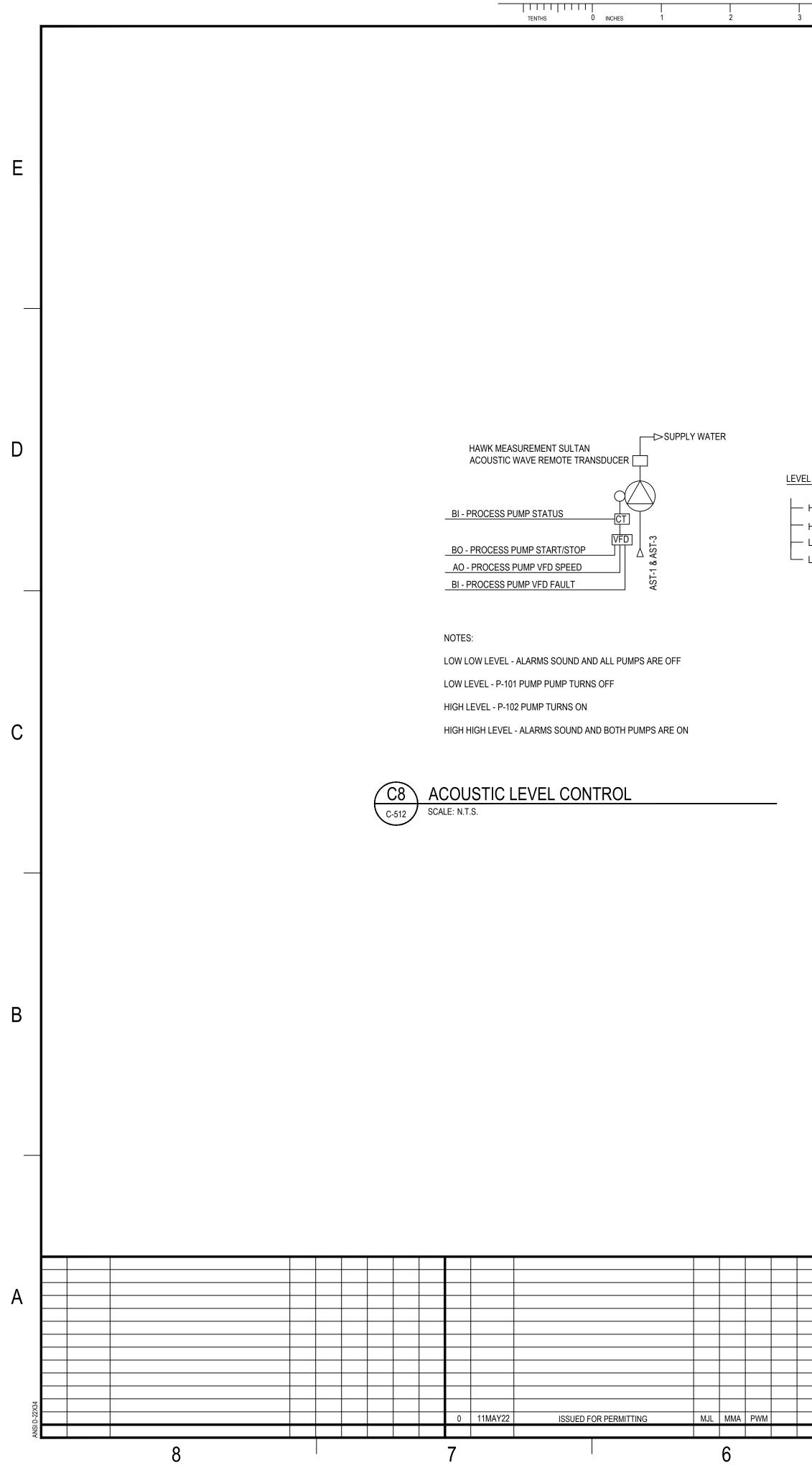
GENERAL NOTES:

- 1. PIPE SHOWN TO BE 12" DUCTILE IRON CLASS 150
- 2. ALL ELECTRICAL ITEMS TO BE COMPLETED BY OTHERS
- 3. CONTRACTOR TO DIRECT VACUUM AIR RELEASE AWAY FROM ALL ELECTRICAL EQUIPMENT

KEY NOTES

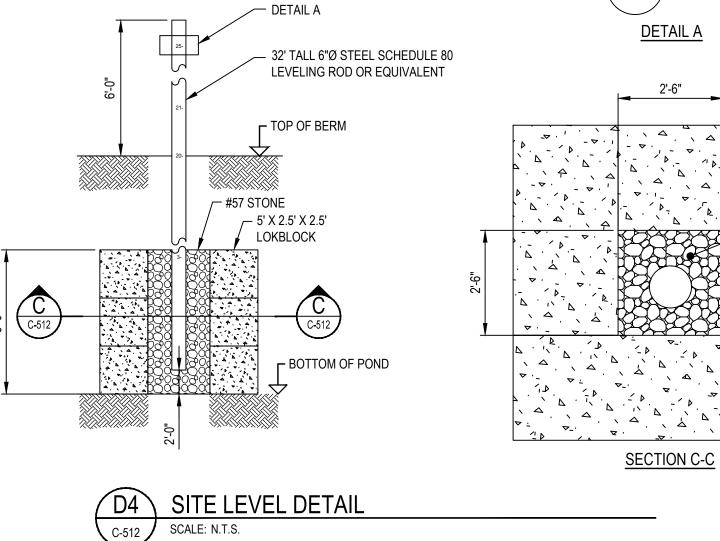
- 1 12" CRISPIN SERIES 800 PLUG VALVES
- 2 12" PRATT LUG CHECK VALVE
- 3 GORMAN RUPP MODEL 112A20-B
- 4 PUMP SKID
- 5 CONCRETE PAD
- 6 CONCRETE TIE ROD BASE
- 7 4" VACUUM AIR RELEASE VALVE
- 8 45 DEGREE ELBOW
- (9) DESIGNATED BACK UP GENERATOR AREA
- (10) VFD IN WEATHER ENCLOSURE MOUNTED ON UNISTRUT
- (11) ELECTRICAL PANEL (DONE BY OTHERS)
- (12) 12" 90 DEGREE DIP BEND
- (13) HDPE

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LLA MGR		TWIN PINES MINERALS LLC SAUNDERS DEMONSTRATION MINE MINE ID 2073 WATER MANAGEMENT PONDS		4000 MEADOW LAKE DRIVE SUITE 121 BIRMINGHAM, AL 35242 (205) 980-6402	
MMMYY	SUBJECT		AREA		
EB22				ECA2221	
EB22		UTILITY DETAILS SHEET 1	CLIENT DV	VG NO.	
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LEVEL CONTROL

— HIGH HIGH-4.5 ft

- HIGH-4 ft.	<u> </u>
	47

— LOW-3 ft

LOW LOW- 2 ft

TRANSFER SWITCH -MAIN BREAKER DISCONNECT - GEN. REC. CONTROL PANEL

CONTROL PANEL INFORMATION PLATES

NOTE: THE CONTRACTOR SHALL INCLUDE A SCHEMATIC FOR THE CONTROL PANEL COMPONENTS LAMINATED ON BOTH SIDES PLACED IN A POCKET ATTACHED TO THE INSIDE OF THE PANEL DOOR. THE ABOVE PUMP AND MOTOR INFORMATION PLATE SHALL BE PERMANENTLY AFFIXED TO THE INSIDE OF THE PANEL DOOR.

ALUMINUM PLATE WITH PUMP INFORMATION STAMPED IN PLATE TO BE ATTACHED TO INSIDE OF CONTROL PANEL DOOR IN PLAIN VIEW.

PUMP H.P.	
CAPACITY GPM	
TOTAL DYNAMIC HEAD	
OPERATING RPM	
IMPELLER NO.	
VOLTS	
AMPS	
PHASE	
MANUFACTURER	
MODEL NO.	
STN #1	SIN #2

ALUMINUM PLATE WITH PUMP PANEL DOOR IN PLAIN VIEW

CONTROL PANEL INFORMATION PLATES

NOTE: THE CONTRACTOR SHALL INCLUDE A SCHEMATIC FOR THE CONTROL PANEL COMPONENTS LAMINATED ON BOTH SIDES PLACED IN A POCKET ATTACHED TO THE INSIDE OF THE PANEL DOOR. THE ABOVE PUMP AND MOTOR INFORMATION PLATE SHALL BE PERMANENTLY AFFIXED TO THE INSIDE OF THE PANEL DOOR.

A4	PUMP CONTROL PANEL
C-512	SCALE: N.T.S.

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	THE EXPRES DOCUMENT	IP/SEAL	M. FOWLER CLIENT PROJECT MGR	P. MARCUM TECHNICAL MGR	M. ABDALLA PROJECT MGR		TWIN PINES MINERALS LLC SAUNDERS DEMONSTRATION MINE MINE ID 2073	4000 MEADOW LAKE DRIVE
	STAMP/S	P	PROJECT PHASE	PERMITTING			WATER MANAGEMENT PONDS	SUITE 121 BIRMINGHAM, AL 35242 (205) 980-6402
		* NOPEO30489 * NOPEO30489 * PROFESSIONAL	PROJECT NO.		3Y DDMMMYY 07FEB22	SUBJECT		AREA CERTIFICATE OF AUTHORIZATION ECA2221
			7382224061 GCALE	DES DRN	07FEB22		JTILITY DETAILS SHEET 2	CLIENT DWG NO.
		W. MA	AS SHOWN	CHK APP	07FEB22 07FEB22			DRAWING NO. REV C-512 0
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— 6" BLACK NUMBERS ON WHITE BACKGROUND (TYP.)

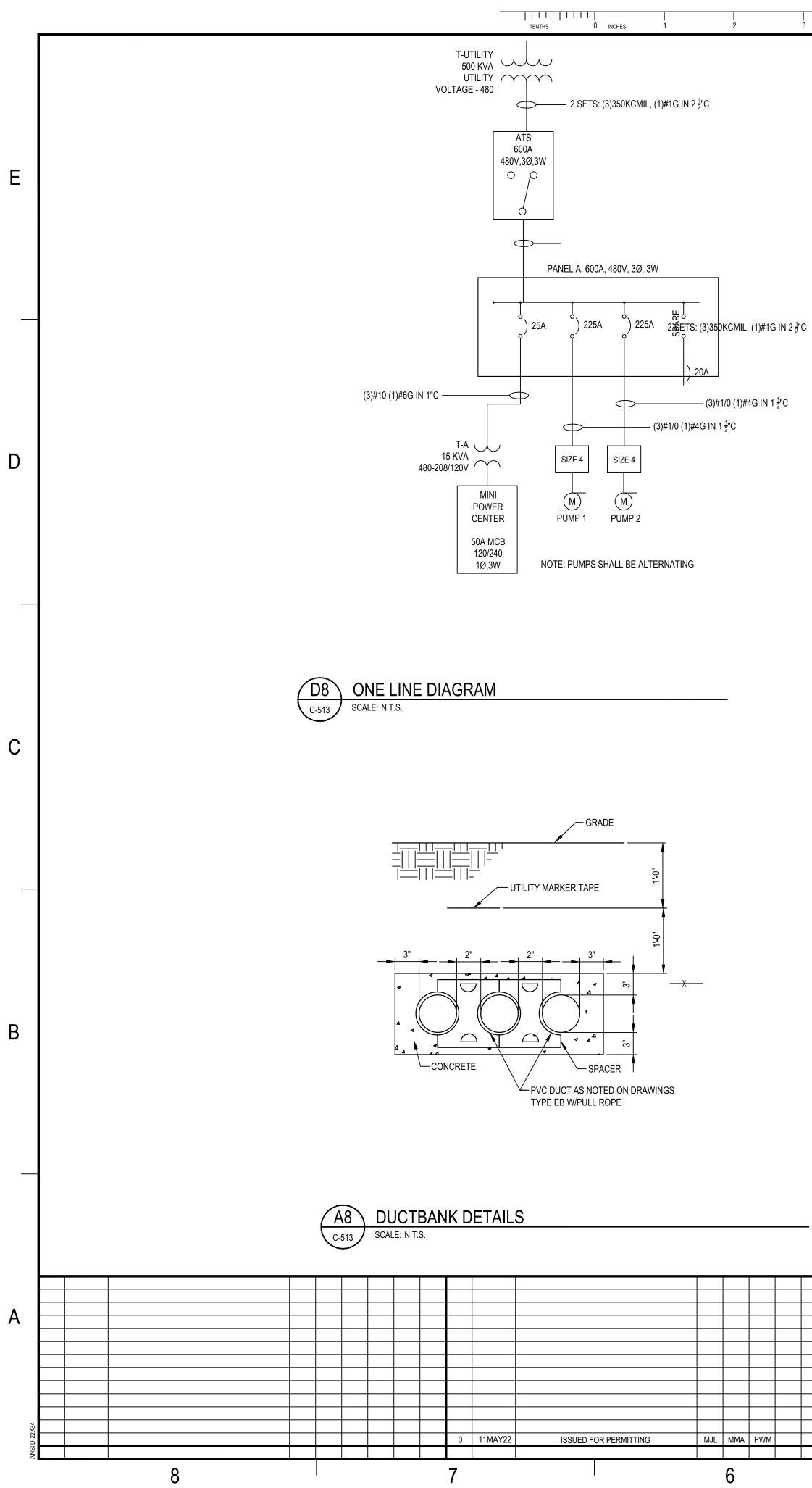
BY CONTRACTOR

FONT TO BE FIELD DETERMINED

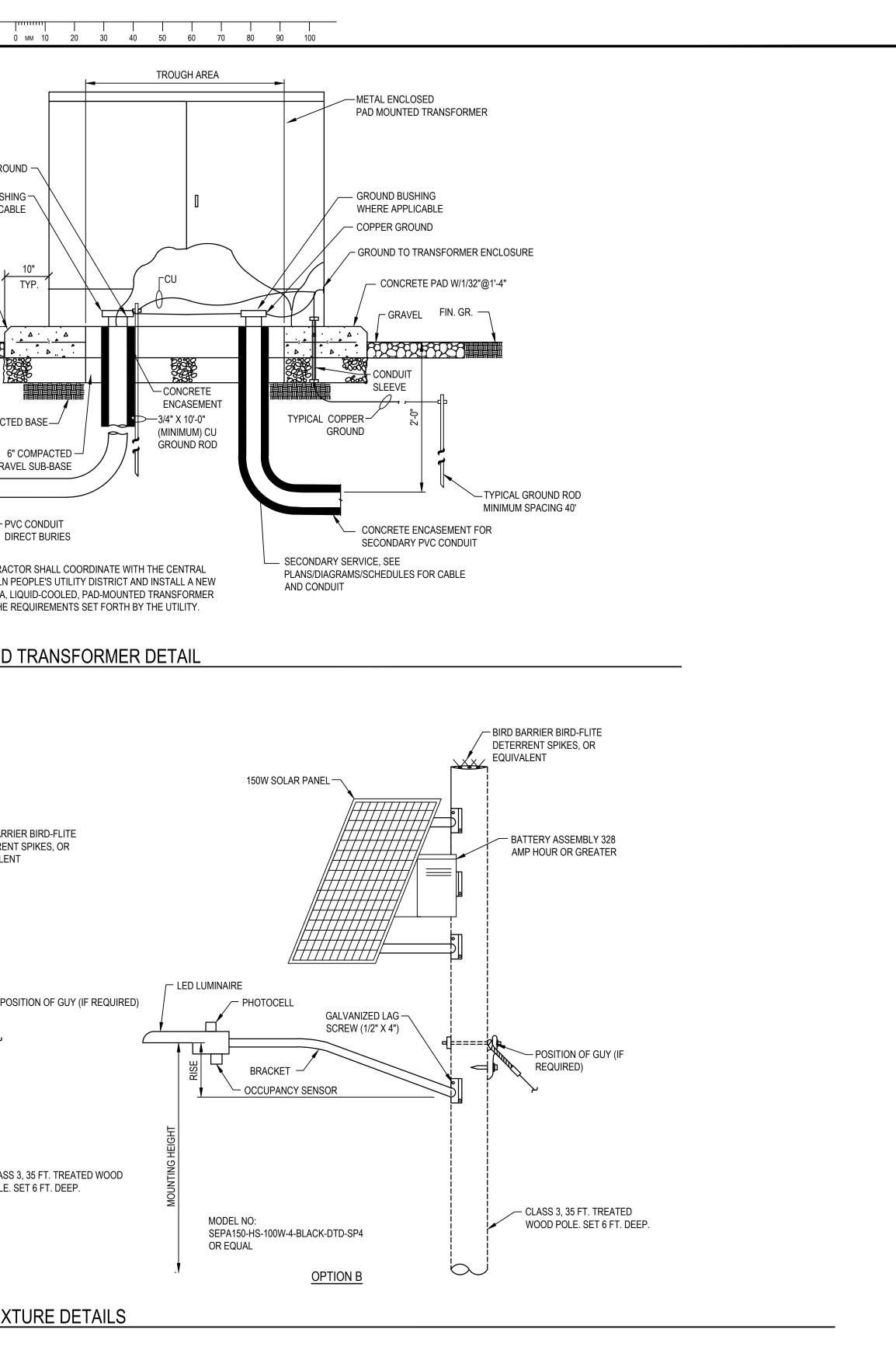
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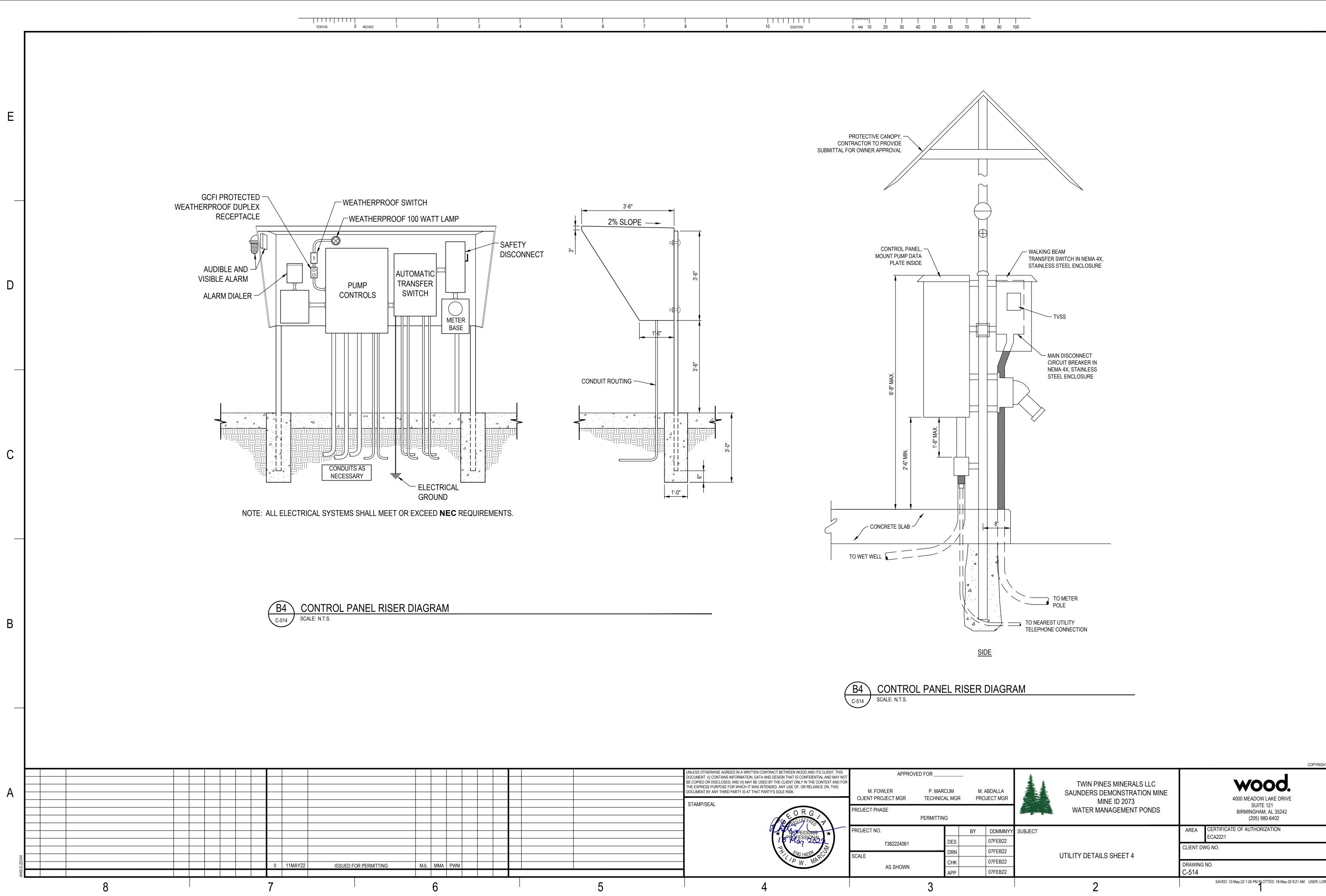
LOKBLOCK

INFORMATION STAMPED IN PLATE TO BE ATTACHED TO INSIDE OF CONTROL



I I <th></th>	
2 ² /C	IRANSFORMER NG ABLE ND ANSFORMER ENCLOSURE E PAD W/1/32'@1'-4" FIN. GR FIN. GR TYPICAL GROUND ROD MINIMUM SPACING 40' ICASEMENT FOR VC CONDUIT
PAD-MOUNTED TRANSFORMER DETAIL SWEEN 13 SWEEN 13 SWEE	BATTERY ASSEMBLY 328 AMP HOUR OR GREATER POSITION OF GUY (IF REQUIRED) CLASS 3, 35 FT. TREATED WOOD POLE. SET 6 FT. DEEP.
OPTION A OPTION B A4 POLE-MOUNTED LIGHT FIXTURE DETAILS C-513 SCALE: N.T.S.	
Image: Constraint of the constr	TWIN PINES MINERALS LLC NDERS DEMONSTRATION MINE MINE ID 2073 ATER MANAGEMENT PONDS Image: Construction of the construct

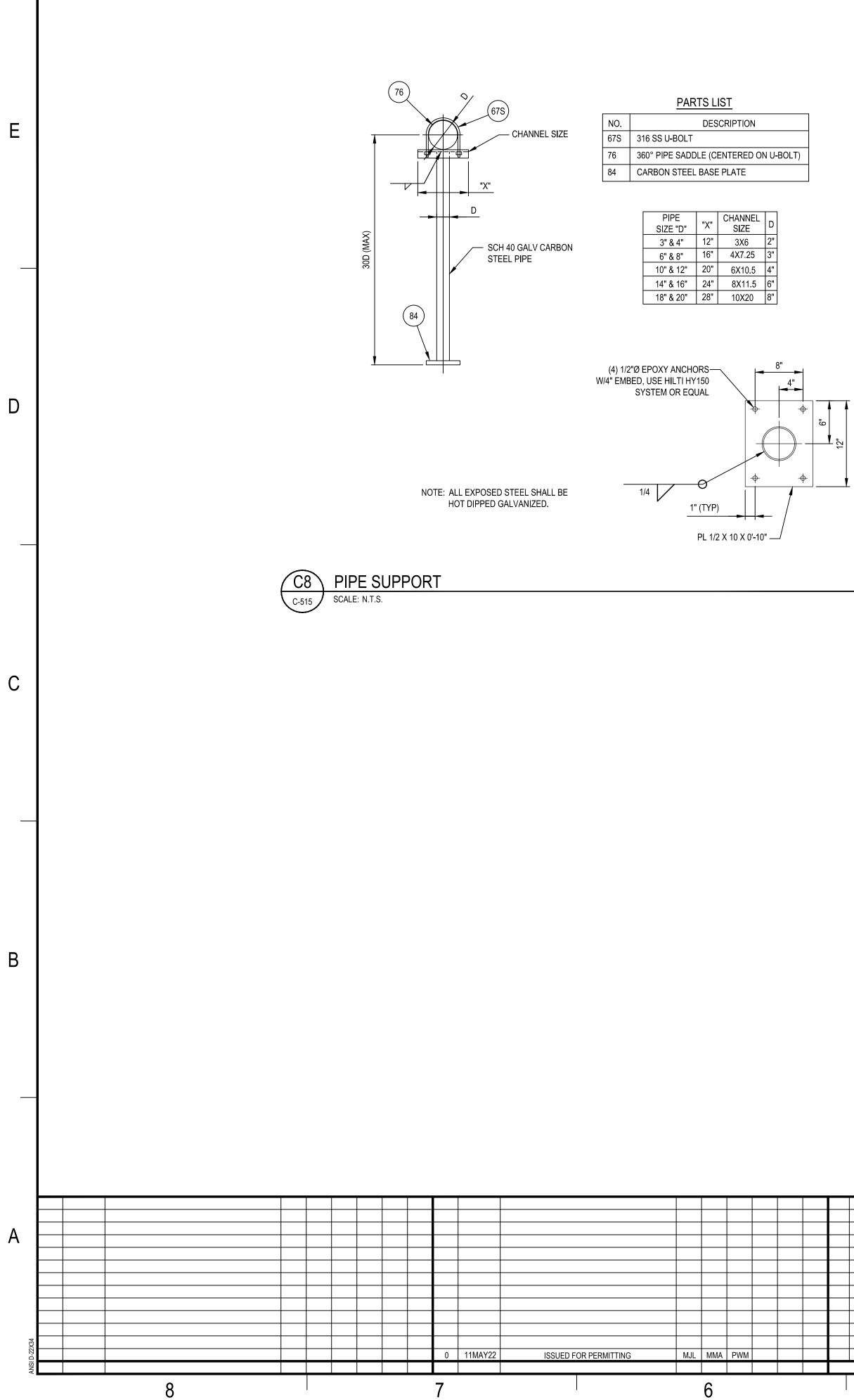




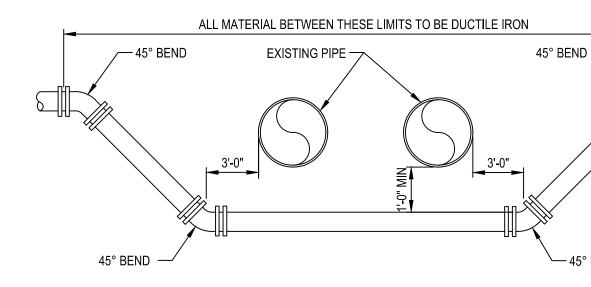
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		BE COPIED OR DISCLOSED; AND (II) MAY BE USED BY THE CLIENT ONLY IN THE CONTEXT AND FOR THE EXPRESS PURPOSE FOR WHICH IT WAS INTENDED. ANY USE OF, OR RELIANCE ON, THIS DOCUMENT BY ANY THIRD PARTY IS AT THAT PARTY'S SOLE RISK.	M. FOWLER CLIENT PROJECT MGR	P. MARCUM TECHNICAL MGR	M. ABD PROJEC	
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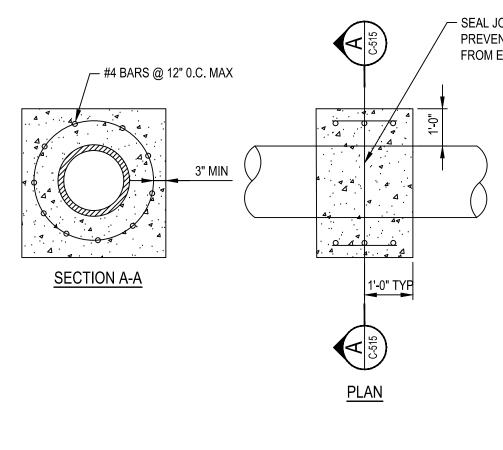




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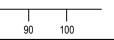


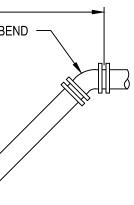






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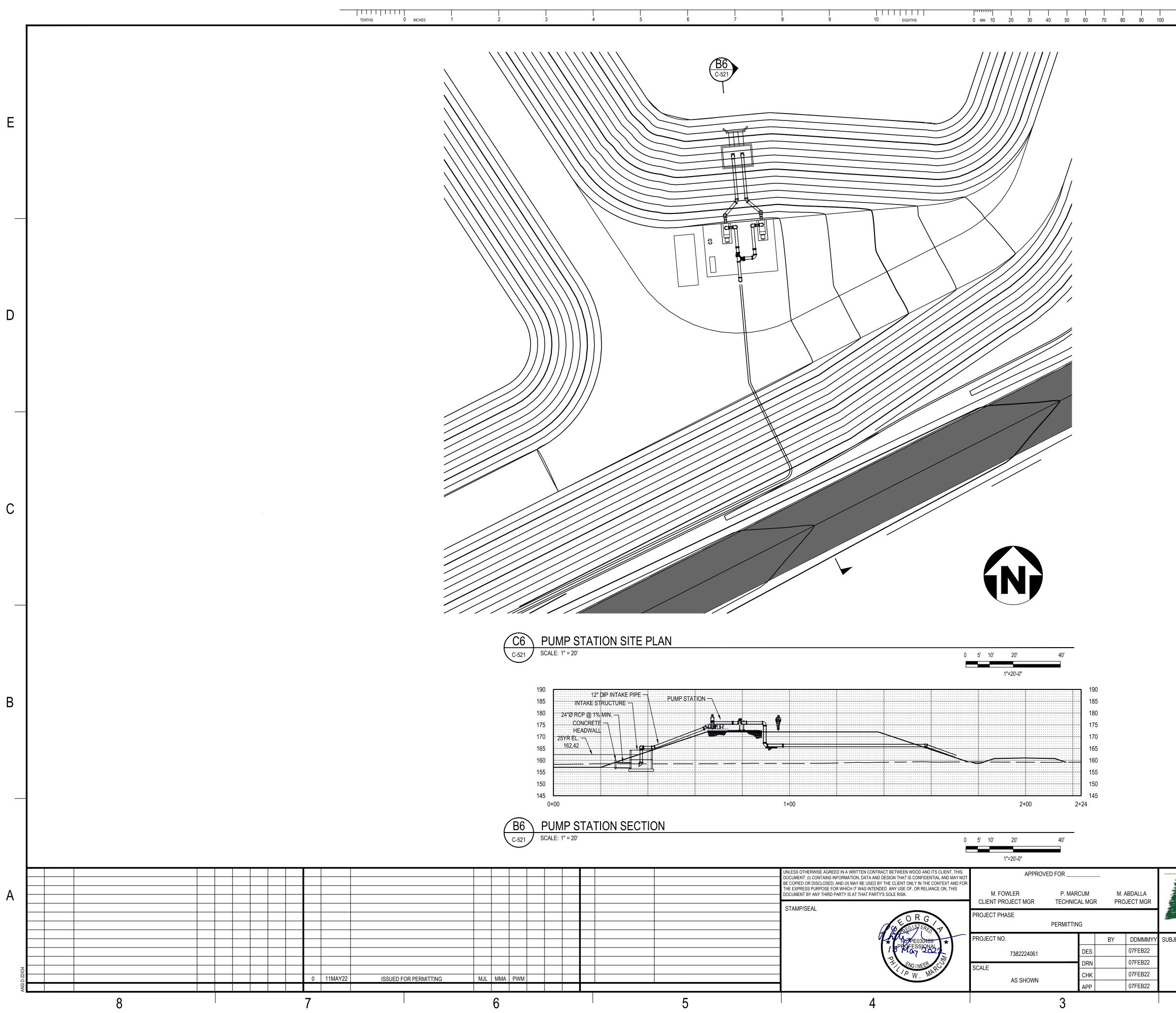


— 45° BEND

- SEAL JOINT OR CRACK TO PREVENT CONCRETE FROM ENTERING PIPE

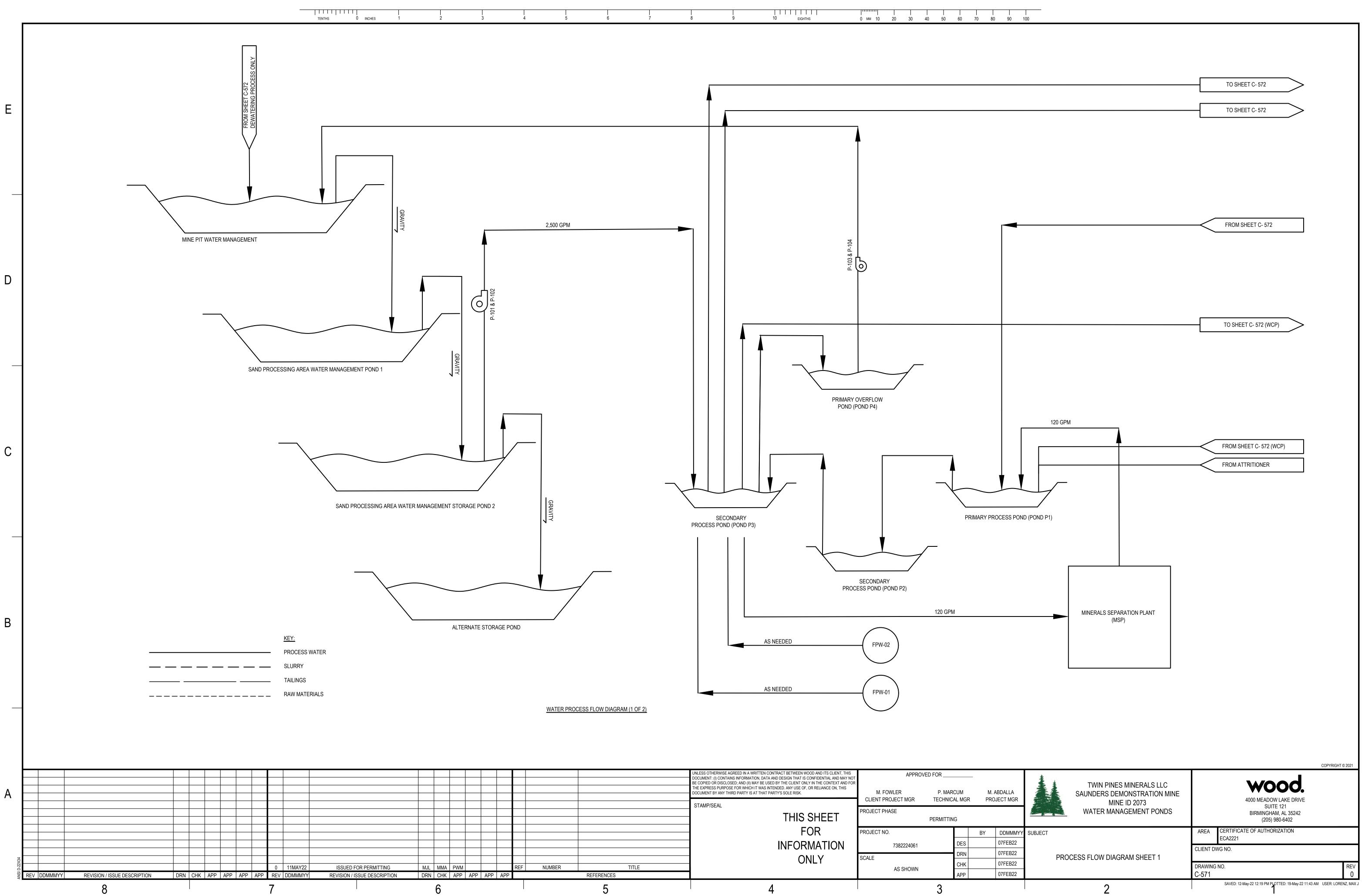
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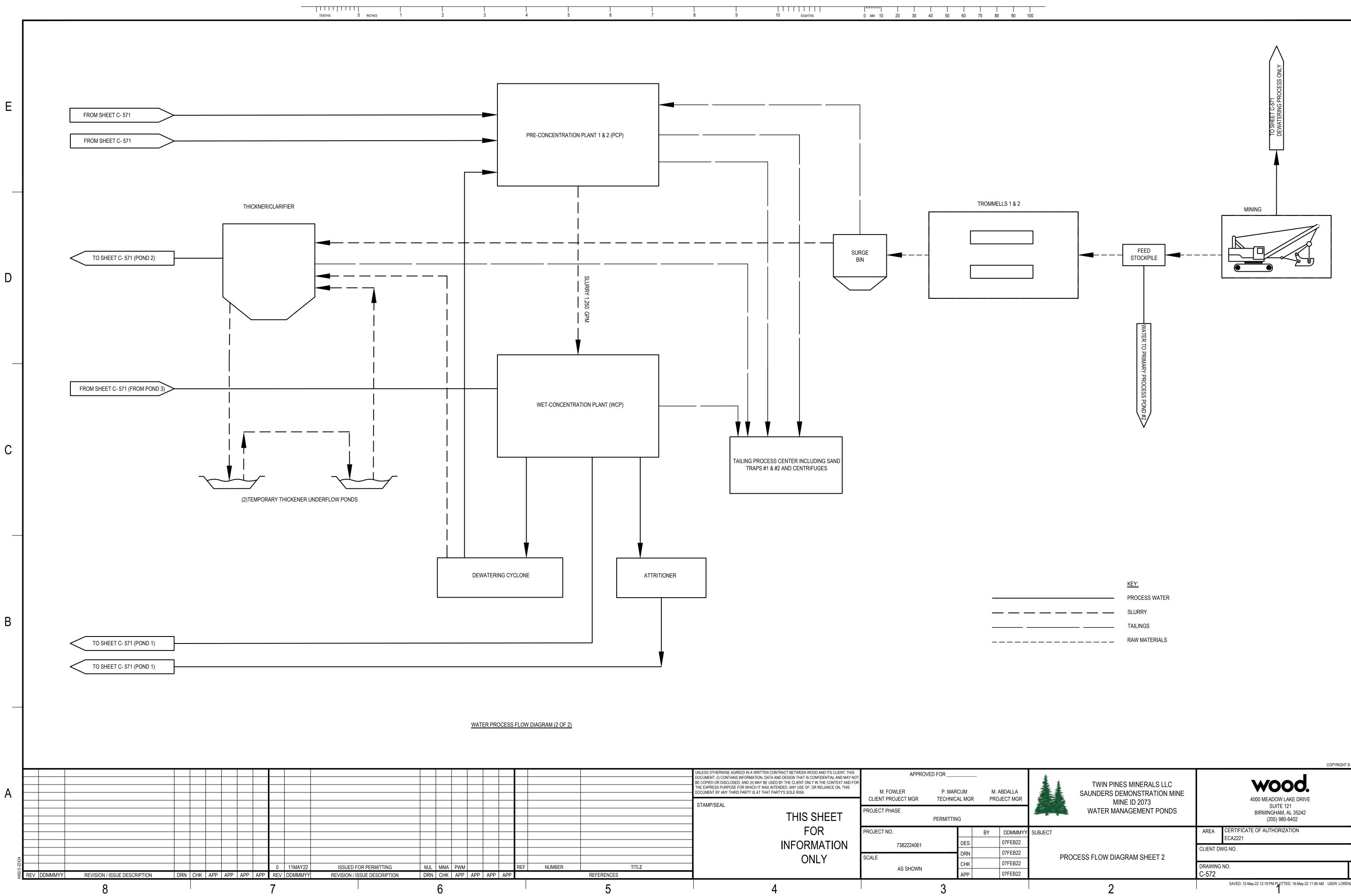


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DALLA CT MGR		TWIN PINES MINERALS LLC SAUNDERS DEMONSTRATION MINE MINE ID 2073 WATER MANAGEMENT PONDS		4000 MEADOW LAKE DRIVE SUITE 121 BIRMINGHAM, AL 35242 (205) 980-6402	טאים ויעע אין יים מיזיי
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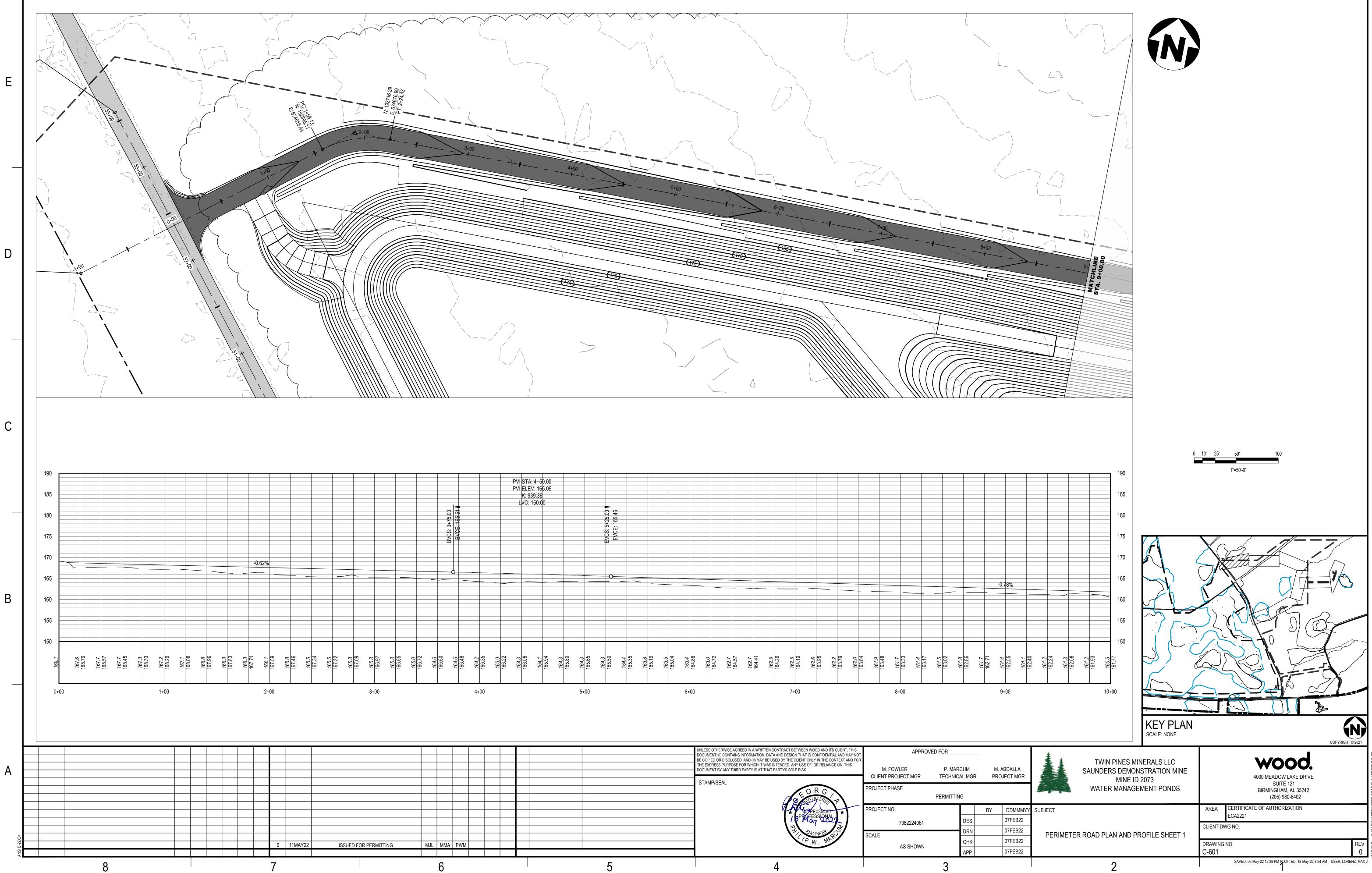


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DALLA CT MGR	TWIN PINES MINERALS LLC SAUNDERS DEMONSTRATION MINE MINE ID 2073 WATER MANAGEMENT PONDS		4000 MEADOW LAKE DRIVE SUITE 121 BIRMINGHAM, AL 35242 (205) 980-6402		ROCESS FLOW DIAGRAM.DWG
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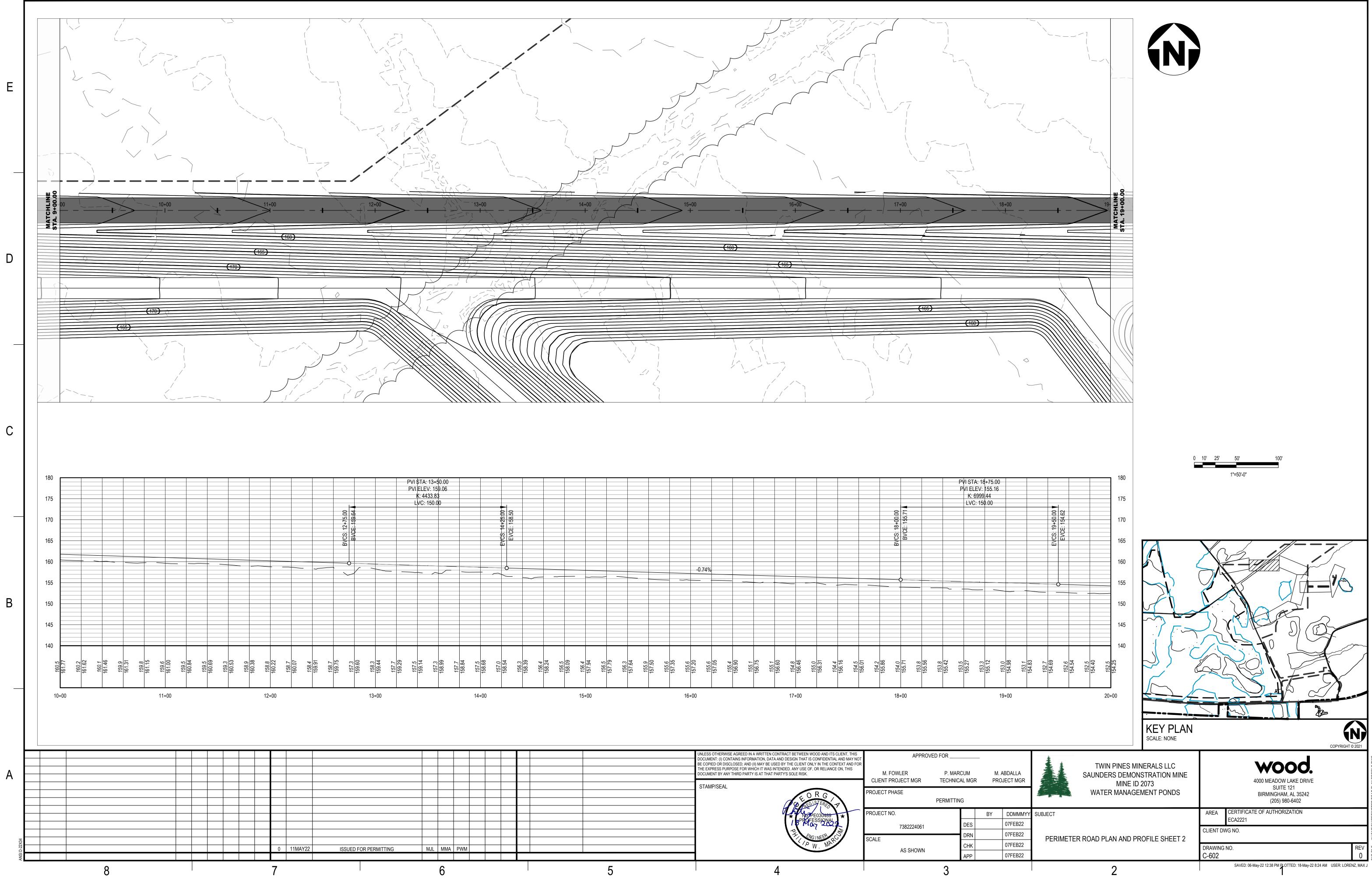


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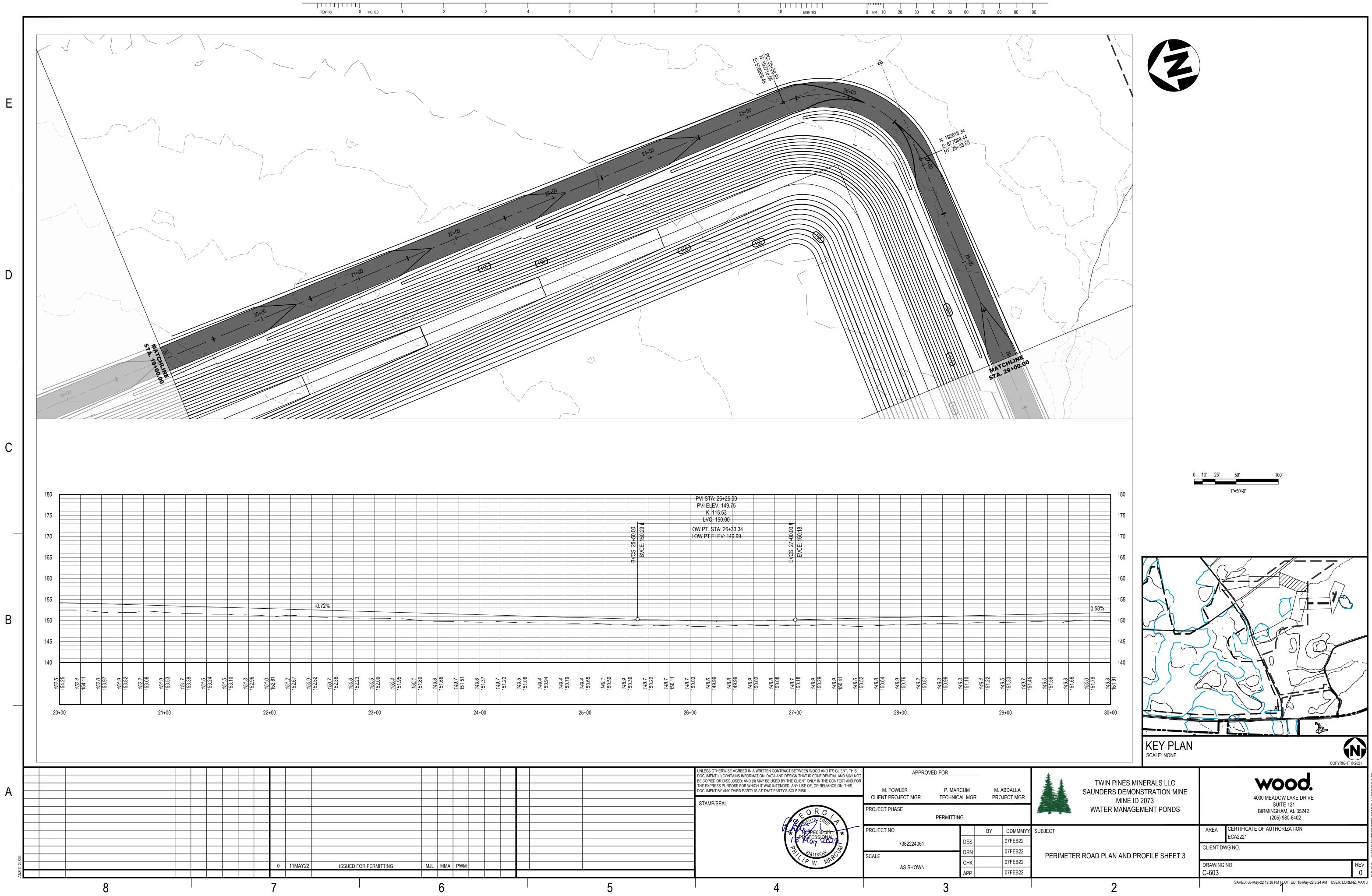
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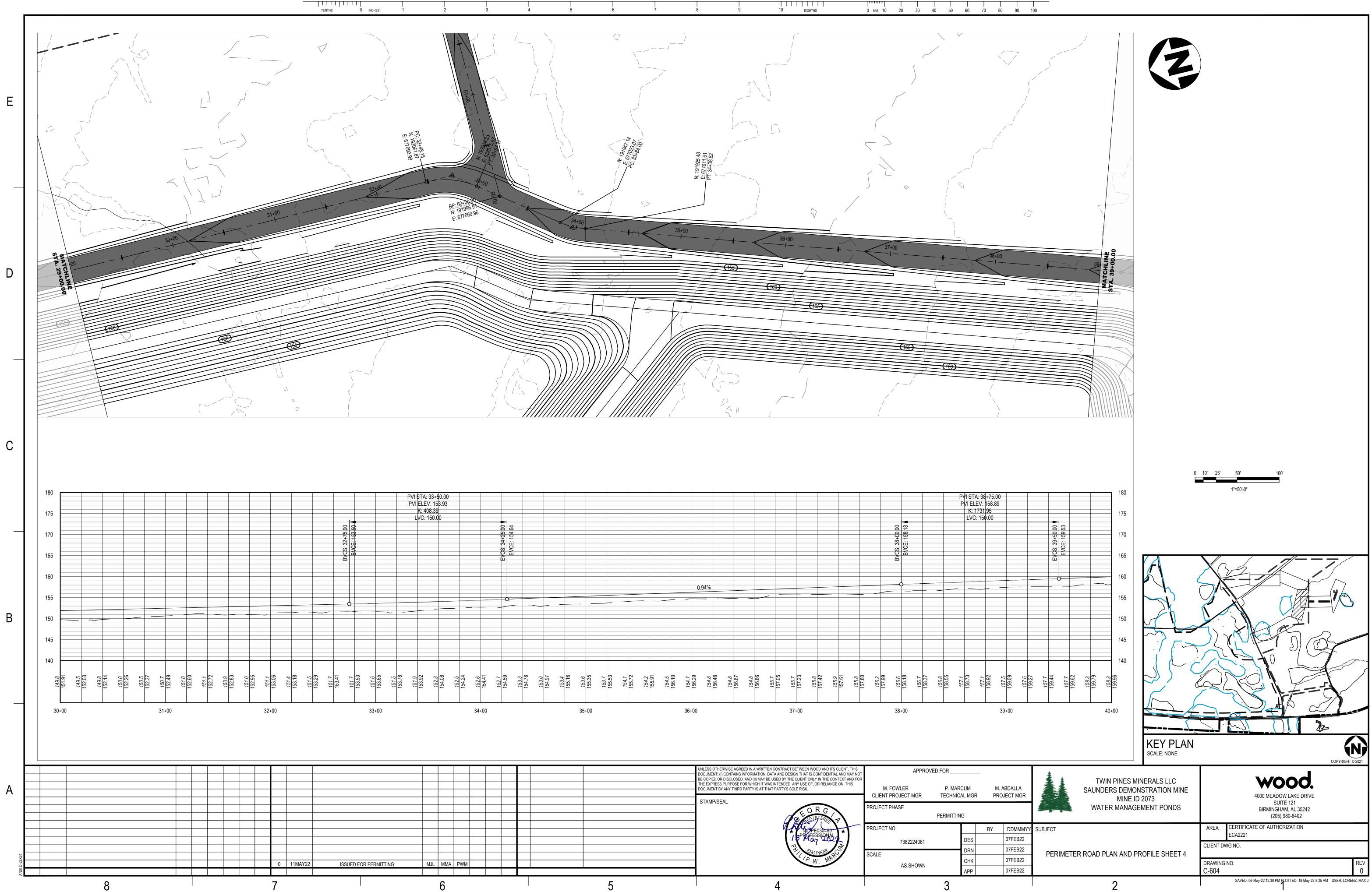
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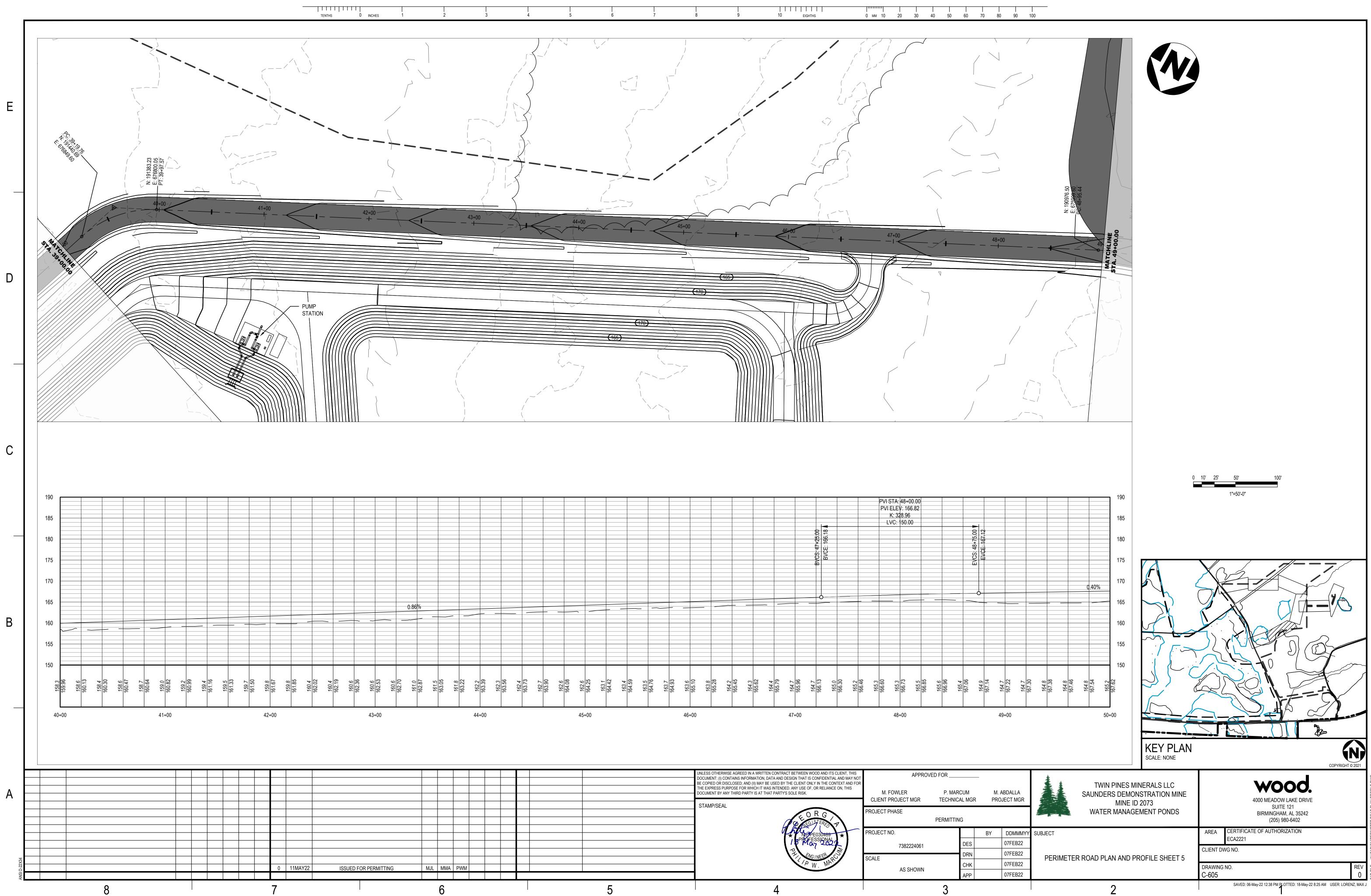
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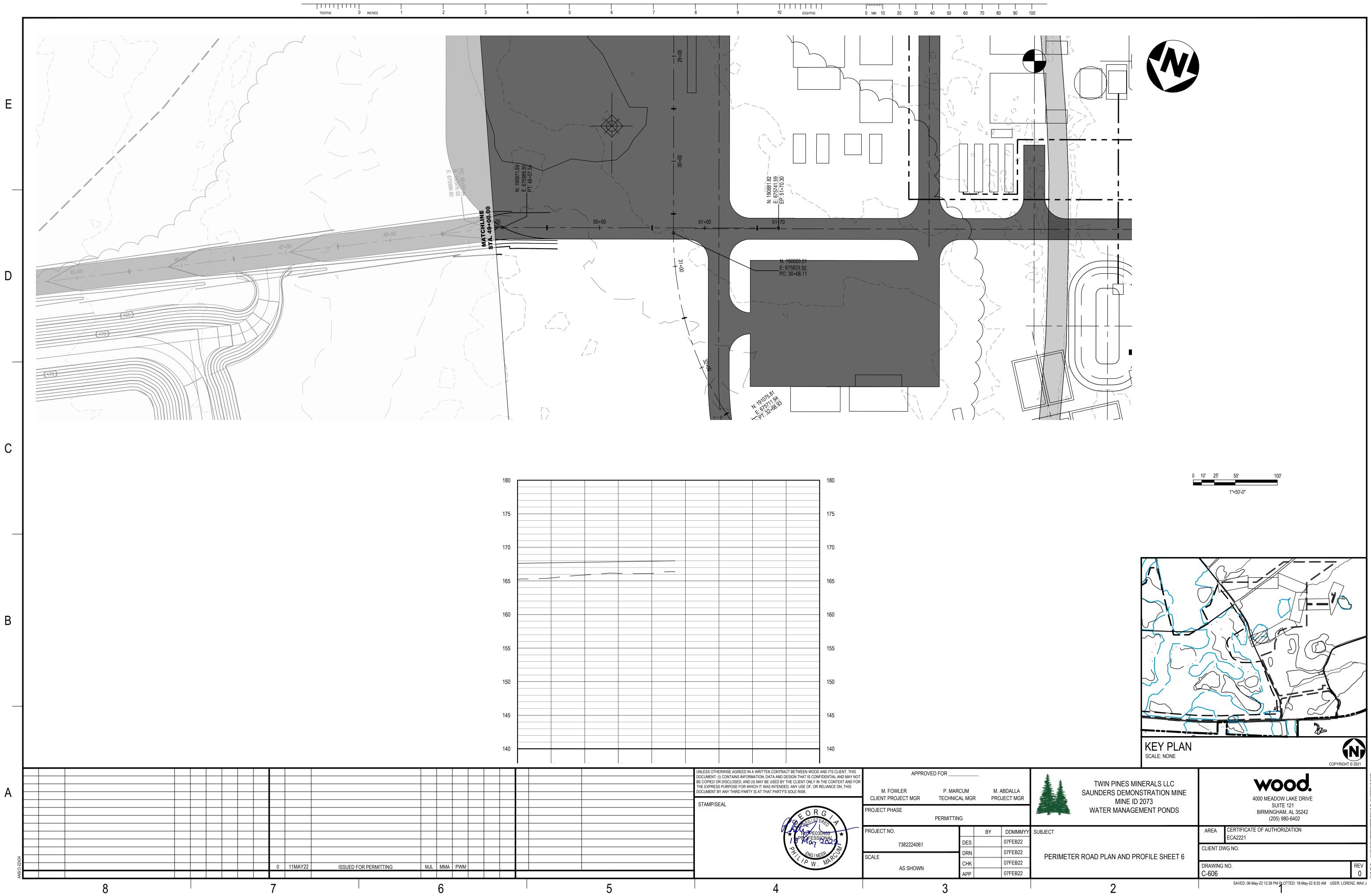


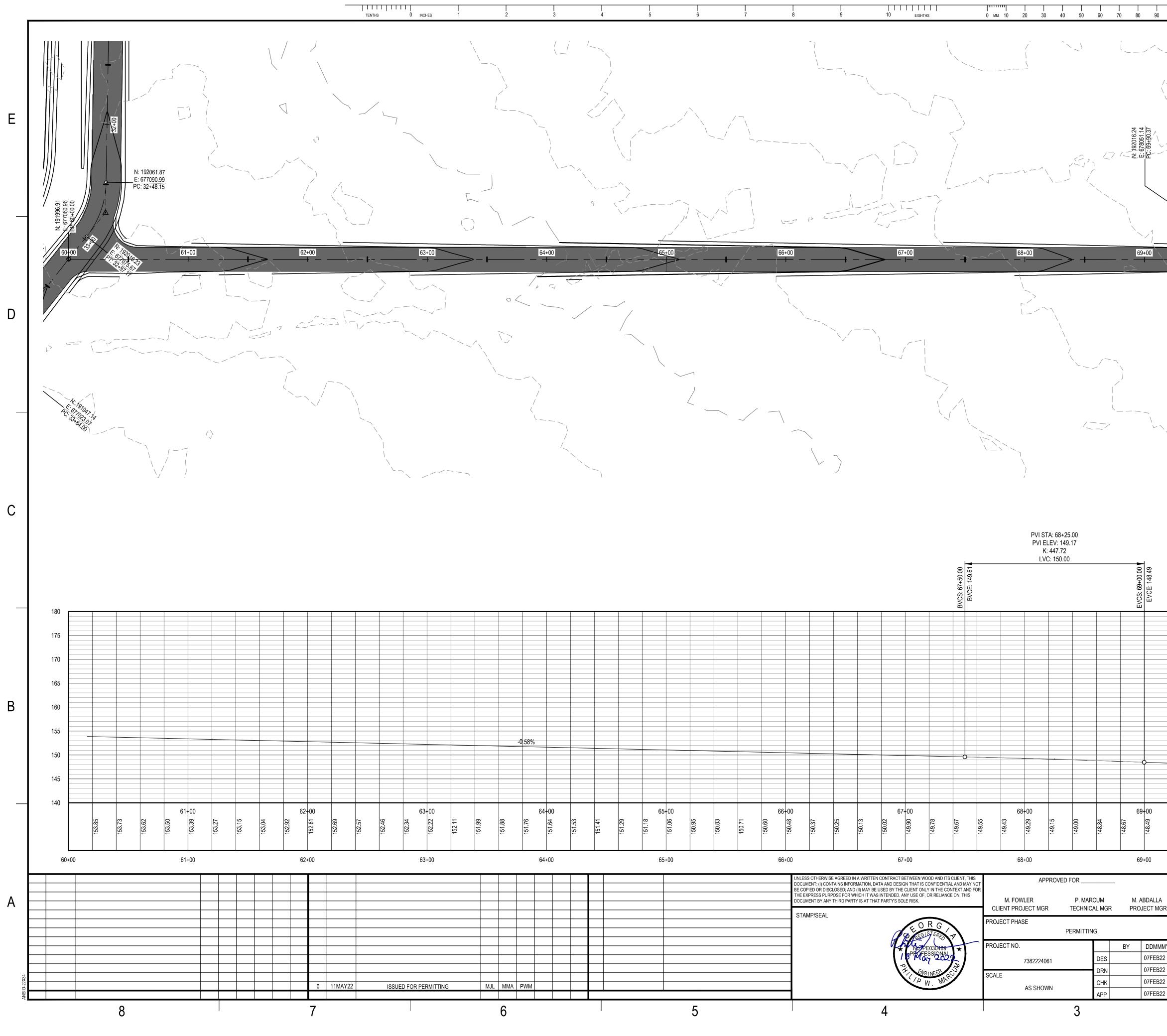
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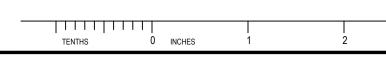


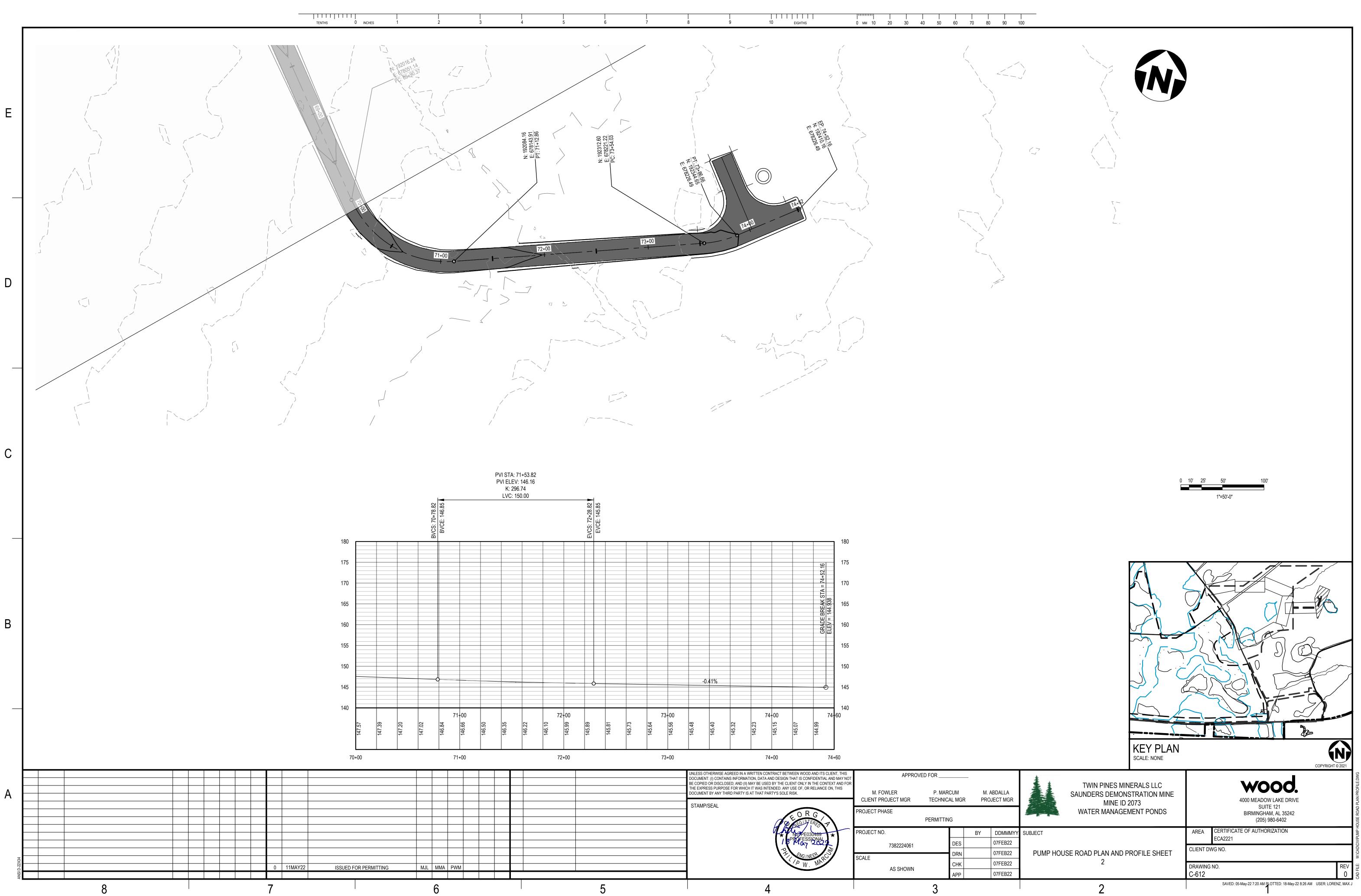
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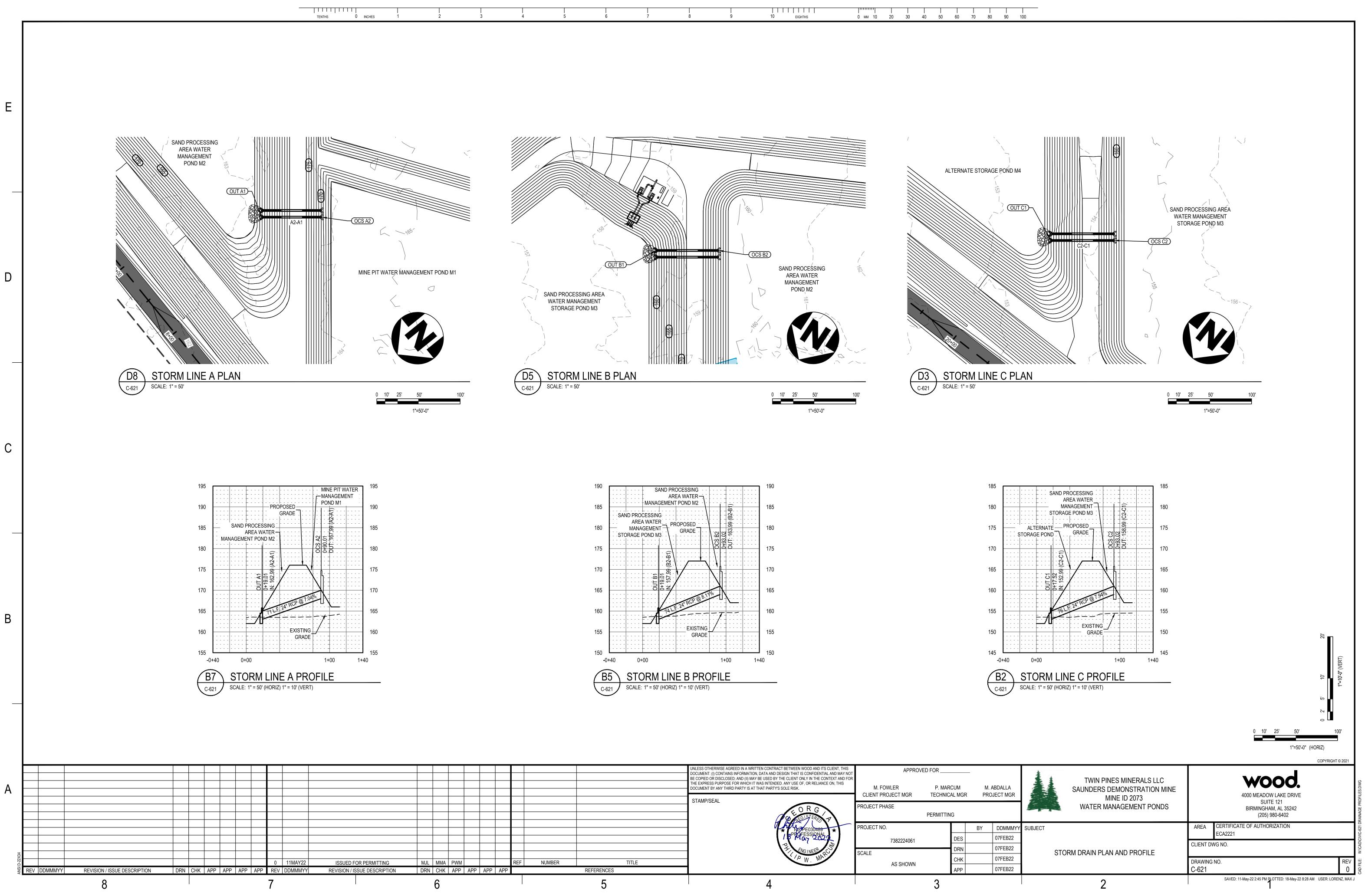




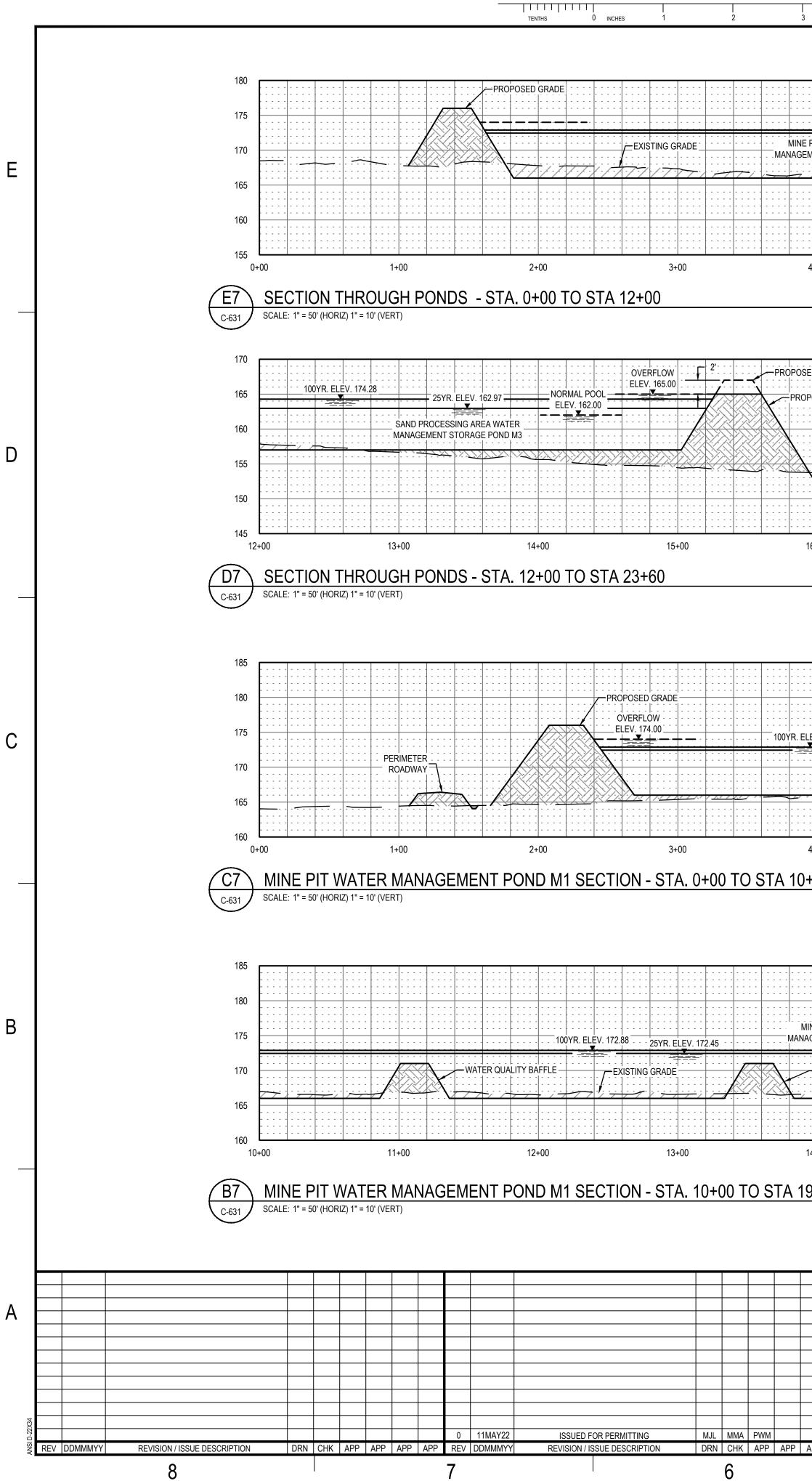
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					UNLESS OTHERWISE AGREED IN A WRITTEN CONTRACT BETWEEN WOOD AND ITS CLIENT, THIS DOCUMENT: (I) CONTAINS INFORMATION, DATA AND DESIGN THAT IS CONFIDENTIAL AND MAY NOT BE COPIED OR DISCLOSED; AND (II) MAY BE USED BY THE CLIENT ONLY IN THE CONTEXT AND FOR		OVED FOR	_	
					THE EXPRESS PURPOSE FOR WHICH IT WAS INTENDED. ANY USE OF, OR RELIANCE ON, THIS DOCUMENT BY ANY THIRD PARTY IS AT THAT PARTY'S SOLE RISK.	M. FOWLER CLIENT PROJECT MGR	P. MARCUM TECHNICAL MGR		. ABDALL OJECT M
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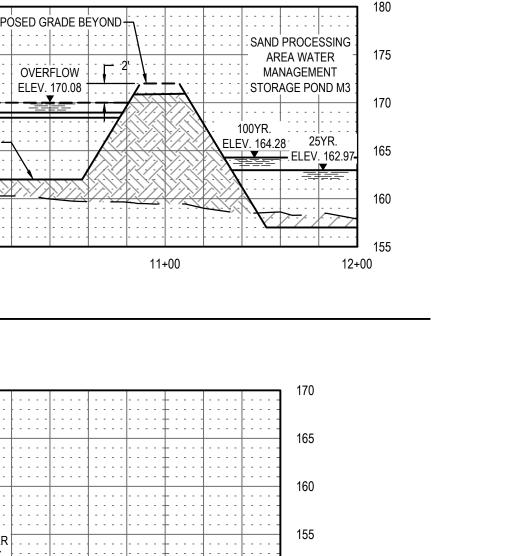
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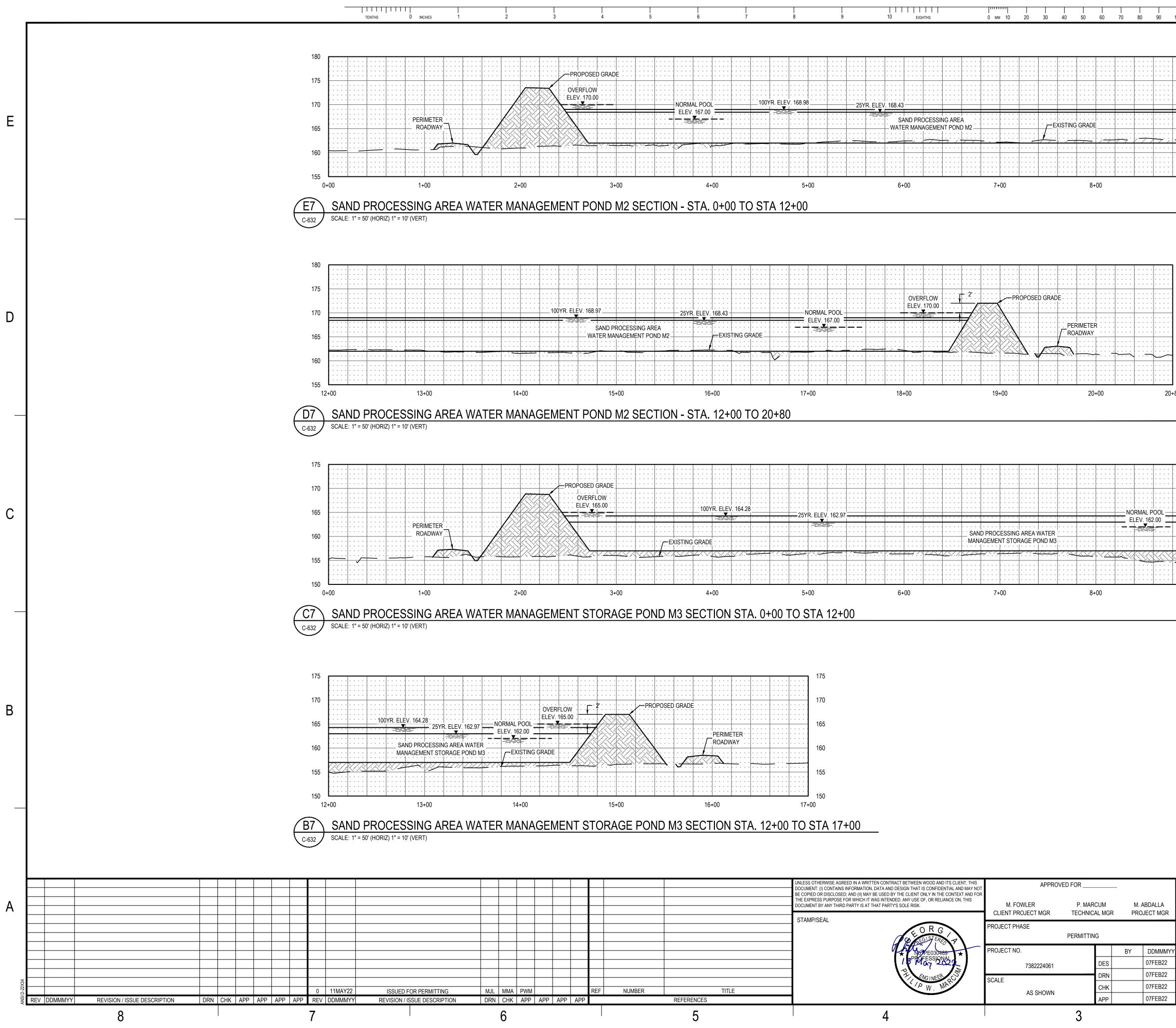
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wood. TWIN PINES MINERALS LLC BDALLA SAUNDERS DEMONSTRATION MINE 4000 MEADOW LAKE DRIVE SUITE 121 BIRMINGHAM, AL 35242 (205) 980-6402 ECT MGR MINE ID 2073 WATER MANAGEMENT PONDS AREA CERTIFICATE OF AUTHORIZATION DDMMMYY SUBJECT 07FEB22 ECA2221 07FEB22 CLIENT DWG NO. SITE CROSS SECTIONS SHEET 1 07FEB22 DRAWING NO. 07FEB22 C-631 SAVED: 12-May-22 5:28 PM PLOTTED: 18-May-22 8:28 AM USER: LORENZ, MAX J 2

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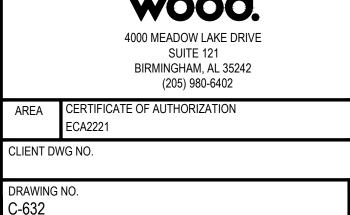
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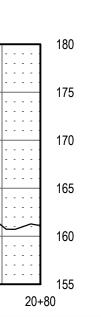
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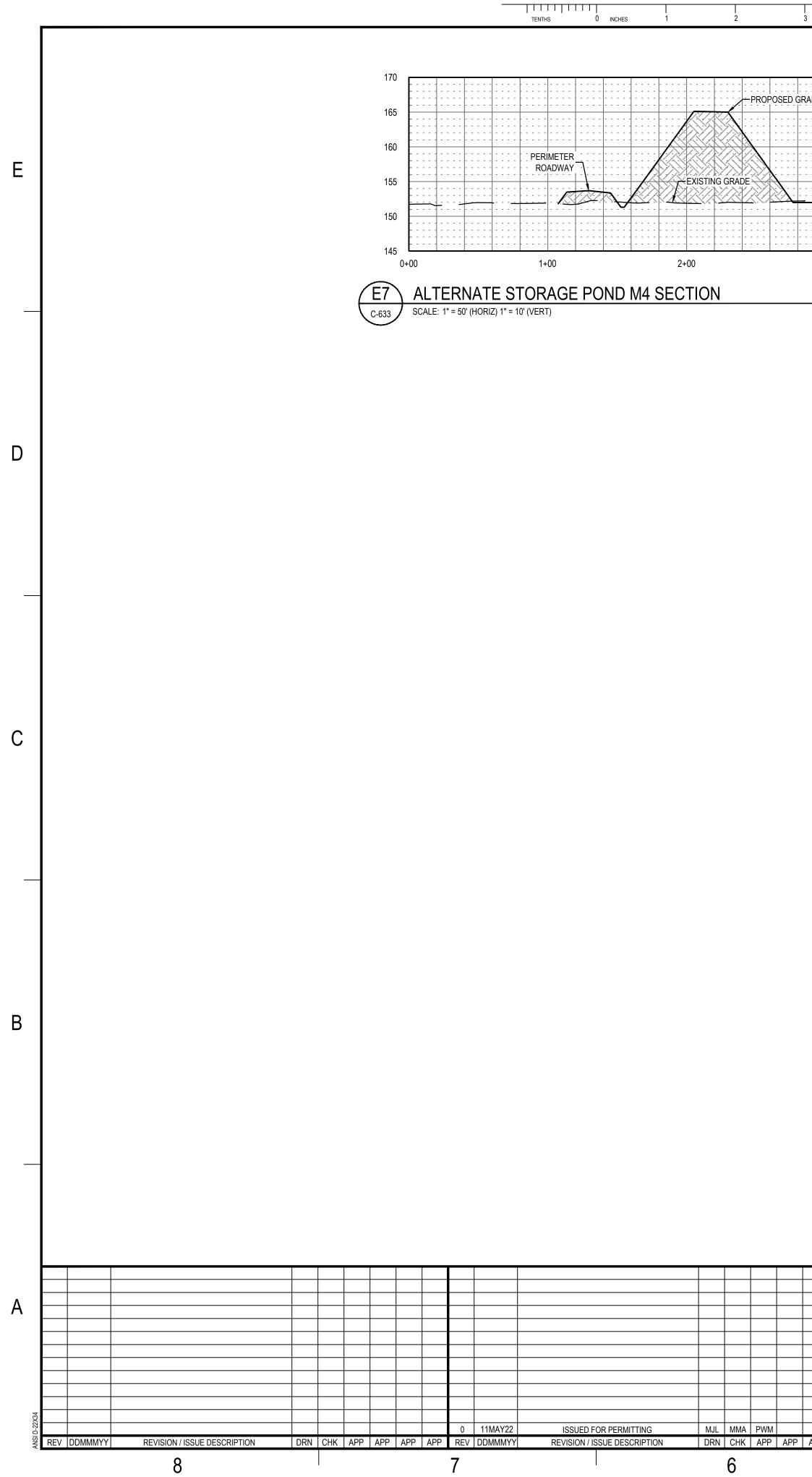
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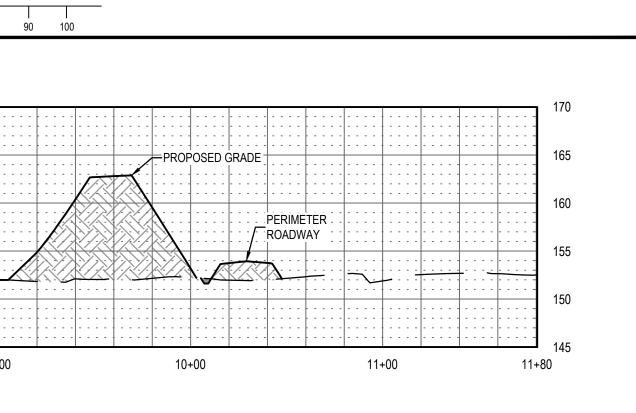
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	TWIN PINES MINERALS LLC SAUNDERS DEMONSTRATION MINE MINE ID 2073 WATER MANAGEMENT PONDS		4000 MEADOW LAKE DRIVE SUITE 121 BIRMINGHAM, AL 35242 (205) 980-6402	
		AREA	CERTIFICATE OF AUTHORIZATION ECA2221	
SITE	CROSS SECTIONS SHEET 2	CLIENT DV	VG NO.	

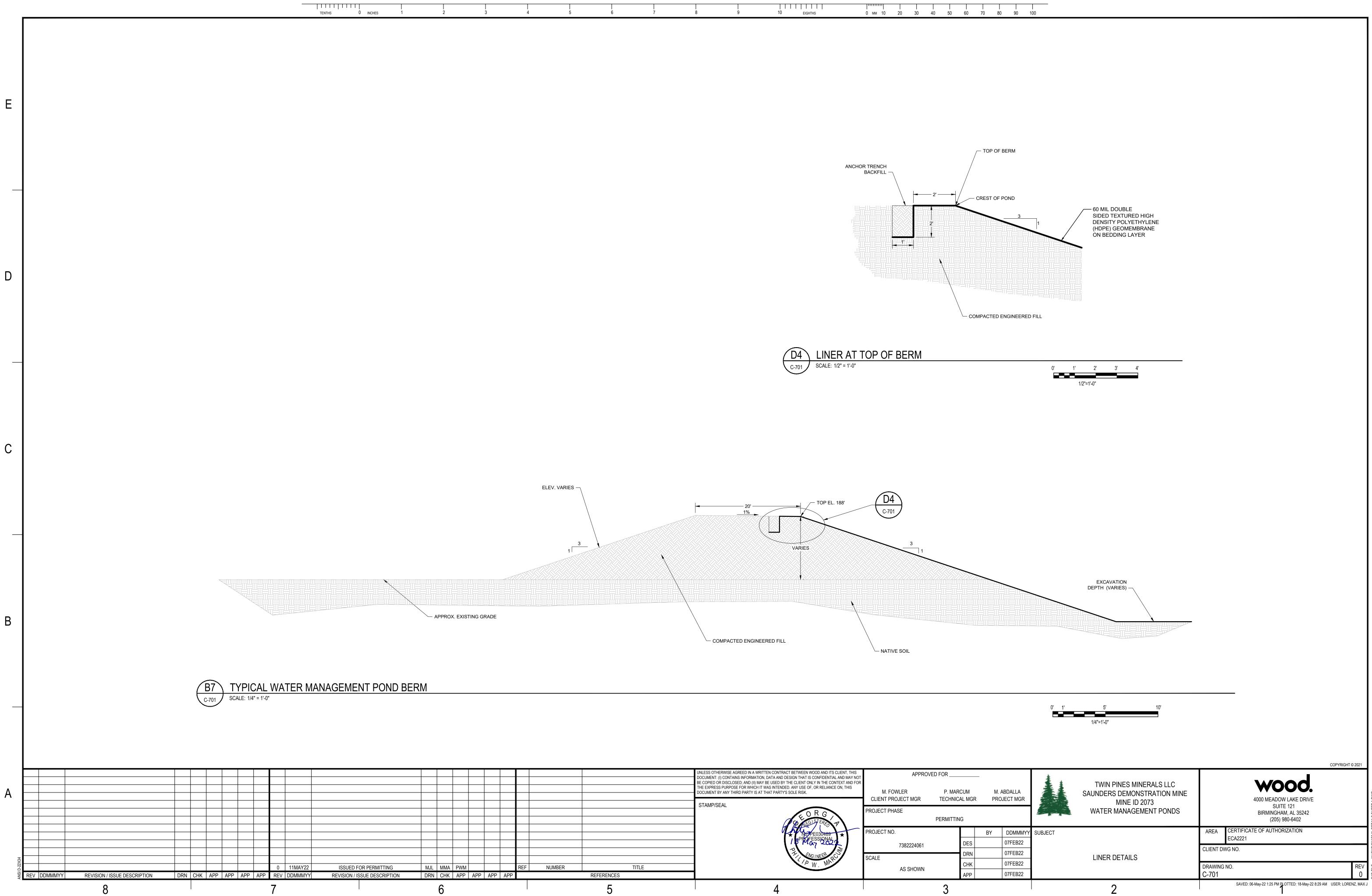




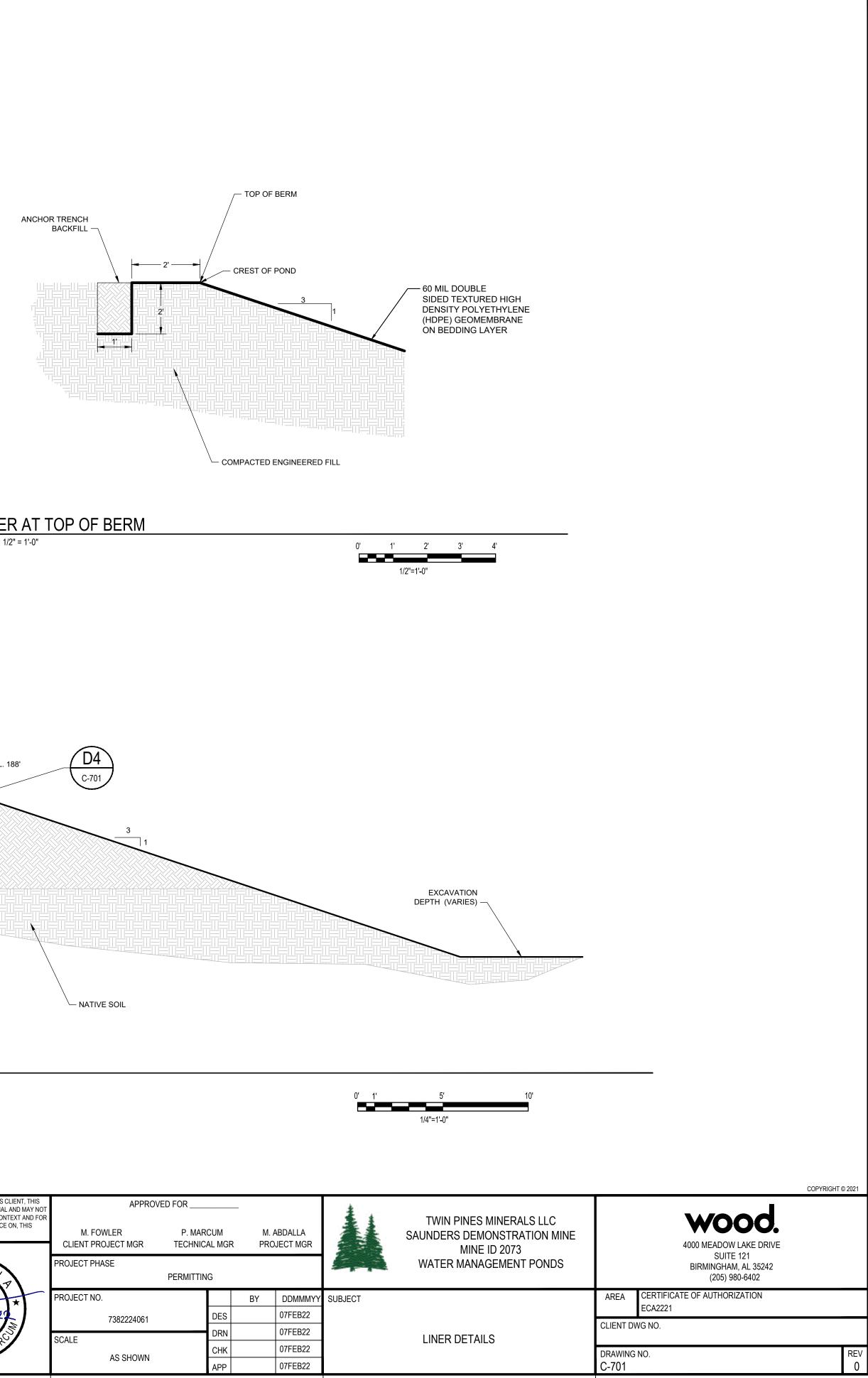
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			THE EXPRESS PURPOSE FOR WHICH IT WAS INTENDED. ANY USE OF, OR RELIANCE ON, THIS DOCUMENT BY ANY THIRD PARTY IS AT THAT PARTY'S SOLE RISK.	M. FOWLER	P. MARCUM	M. ABDALLA	TWIN PINES MINERALS LLC SAUNDERS DEMONSTRATION MINE	Wood.
			STAMP/SEAL	CLIENT PROJECT MGR	TECHNICAL MGR	PROJECT MGR	MINE ID 2073	4000 MEADOW LAKE DRIVE
				PROJECT PHASE			WATER MANAGEMENT PONDS	SUITE 121 BIRMINGHAM, AL 35242
			So REGUSTERED T		PERMITTING			(205) 980-6402
			Thereosolass	PROJECT NO.		BY DDMMMYY	SUBJECT	AREA CERTIFICATE OF AUTHORIZATION ECA2221
			18 May 2022	7382224061	DES	07FEB22		
			THE MGINEER CS	SCALE	DRN	07FEB22	SITE CROSS SECTIONS SHEET 3	CLIENT DWG NO.
	REF	NUMBER TITLE	A W. MAR		СНК	07FEB22	SHE CROSS SECTIONS SHEET 5	DRAWING NO.
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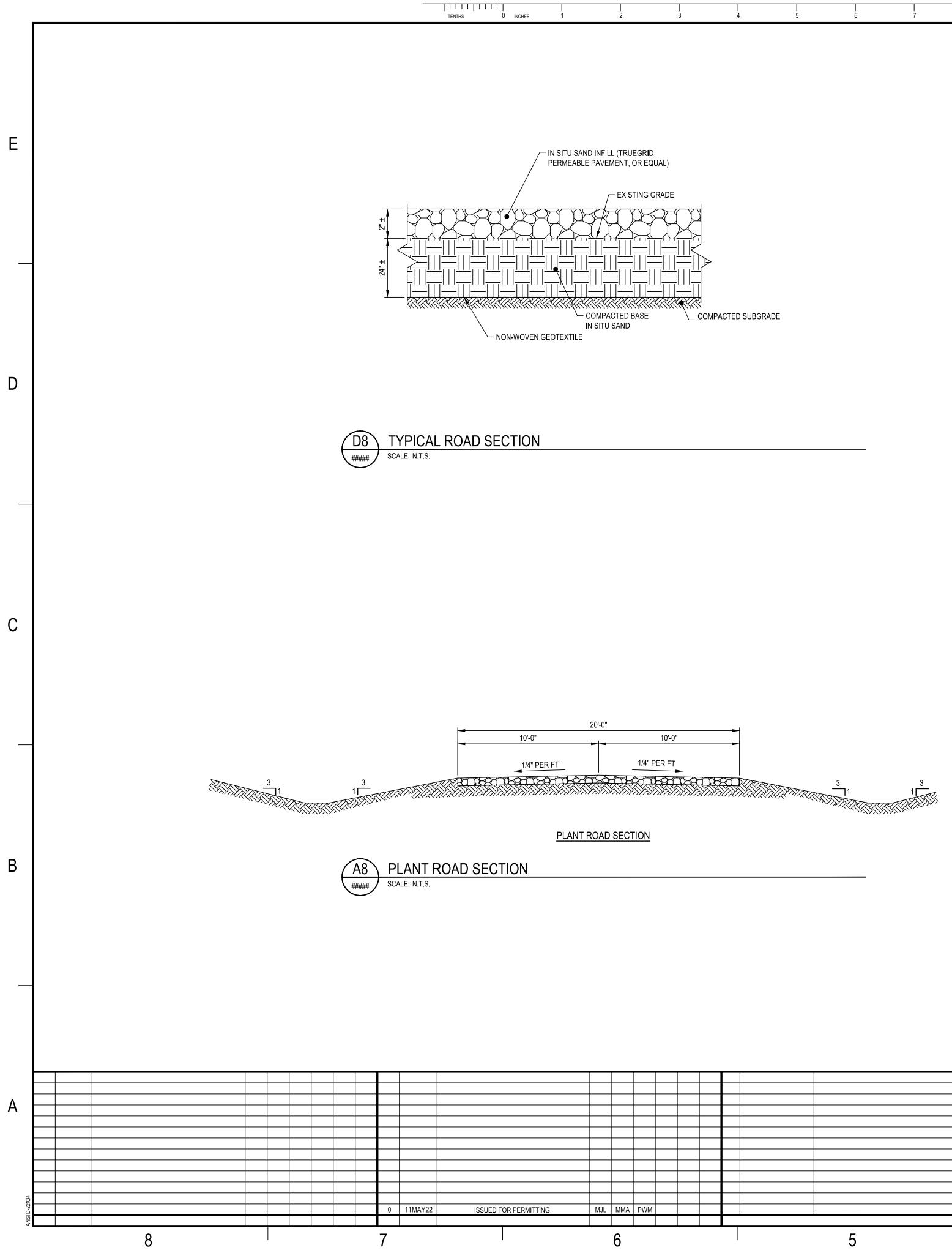


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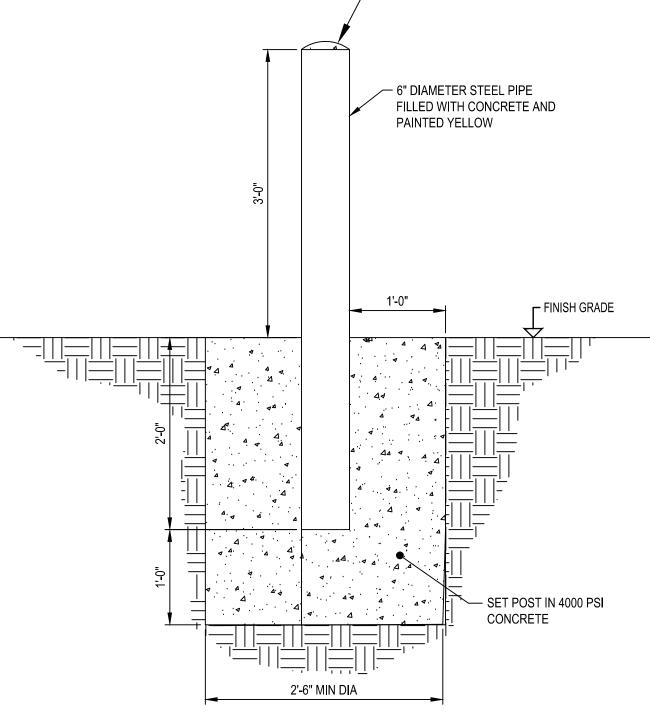




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					STAMP/SEAL	CLIENT PROJECT MGR	TECHNICAL MGR	PROJECT N
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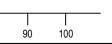


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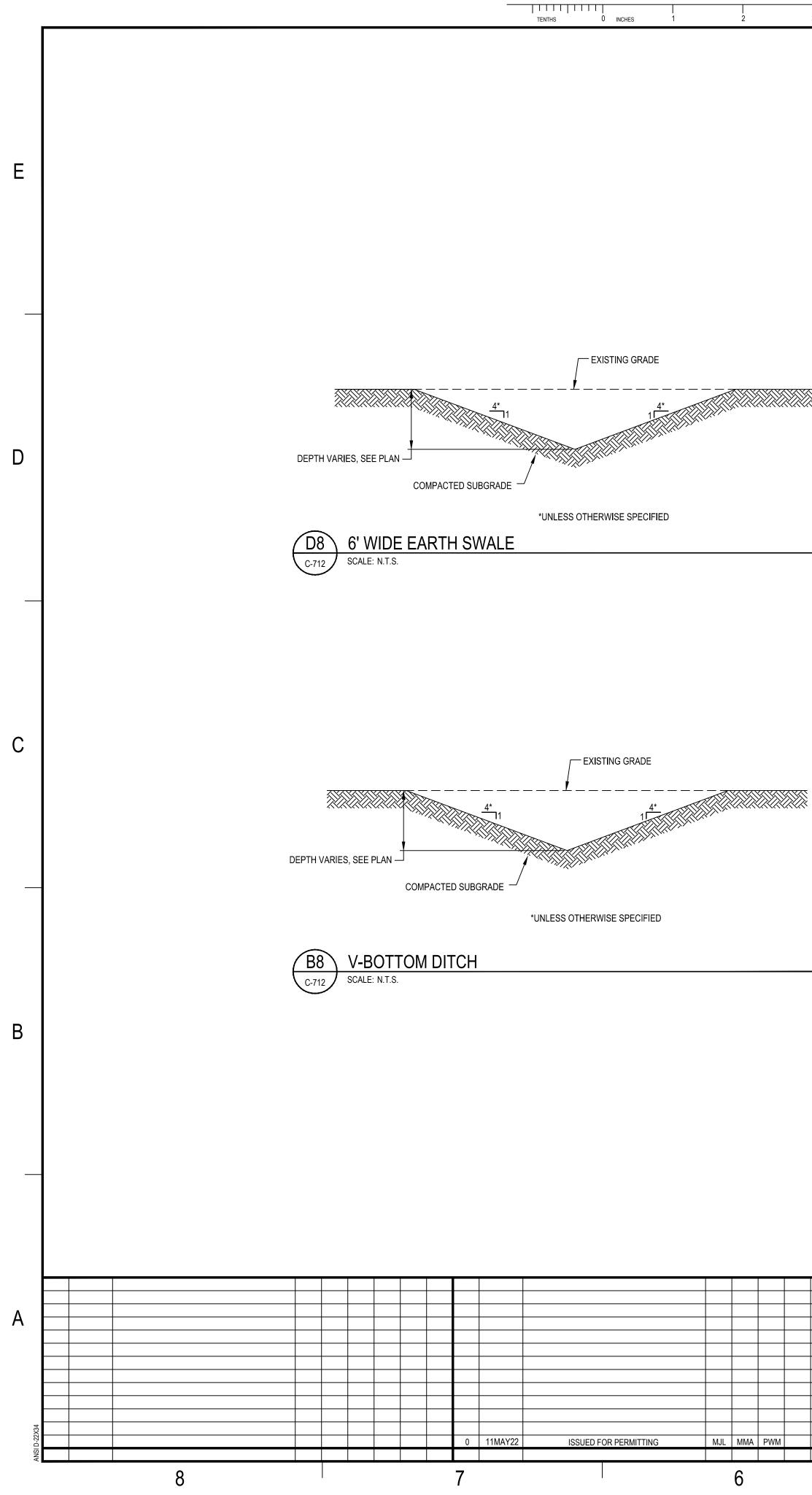




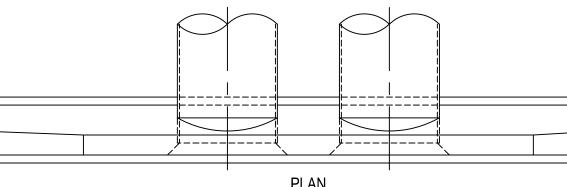
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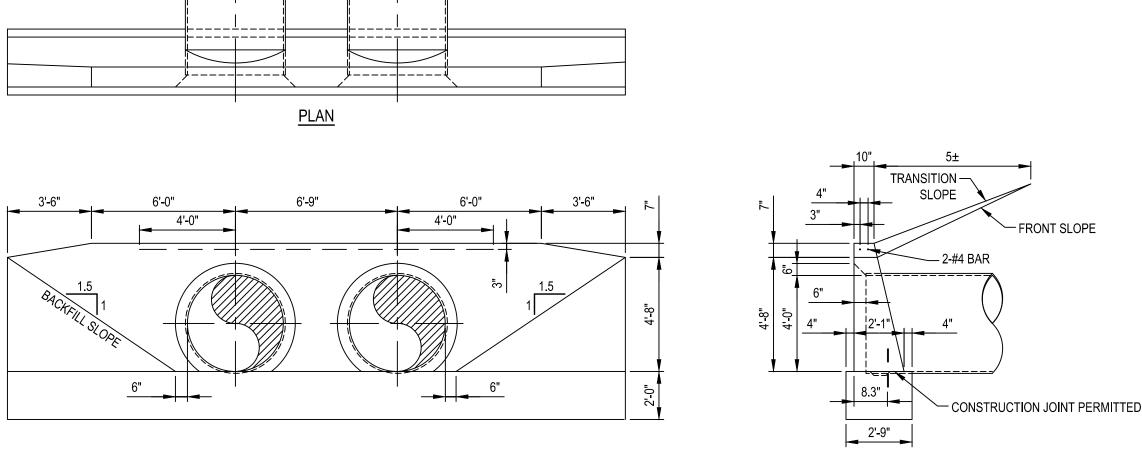


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ALLA CT MGR		TWIN PINES MINERALS LLC SAUNDERS DEMONSTRATION MINE MINE ID 2073 WATER MANAGEMENT PONDS		4000 MEADOW LAKE DRIVE SUITE 121 BIRMINGHAM, AL 35242 (205) 980-6402		W:\CAD\CIV\UTIL_DTLS.DWG
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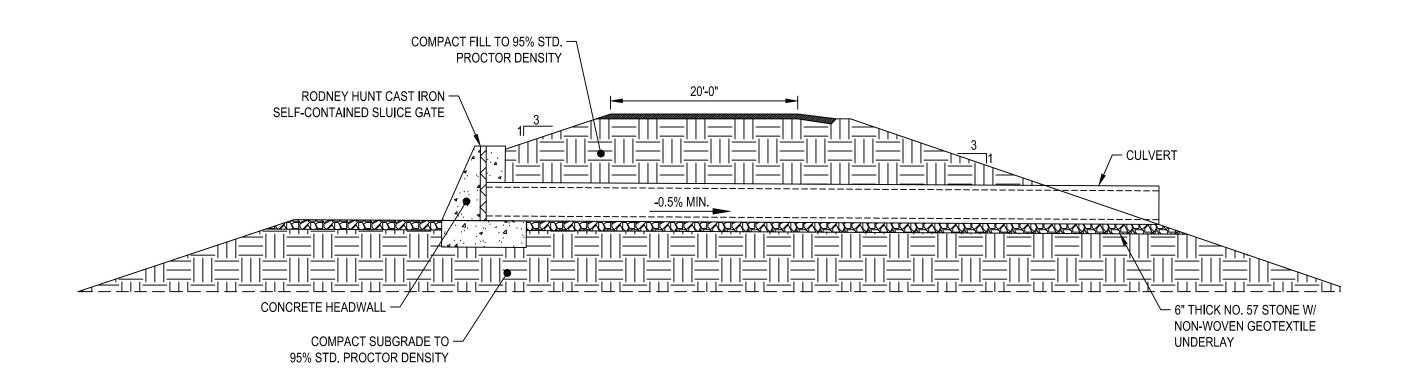


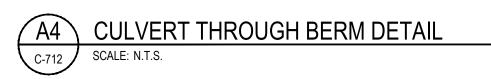
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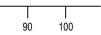




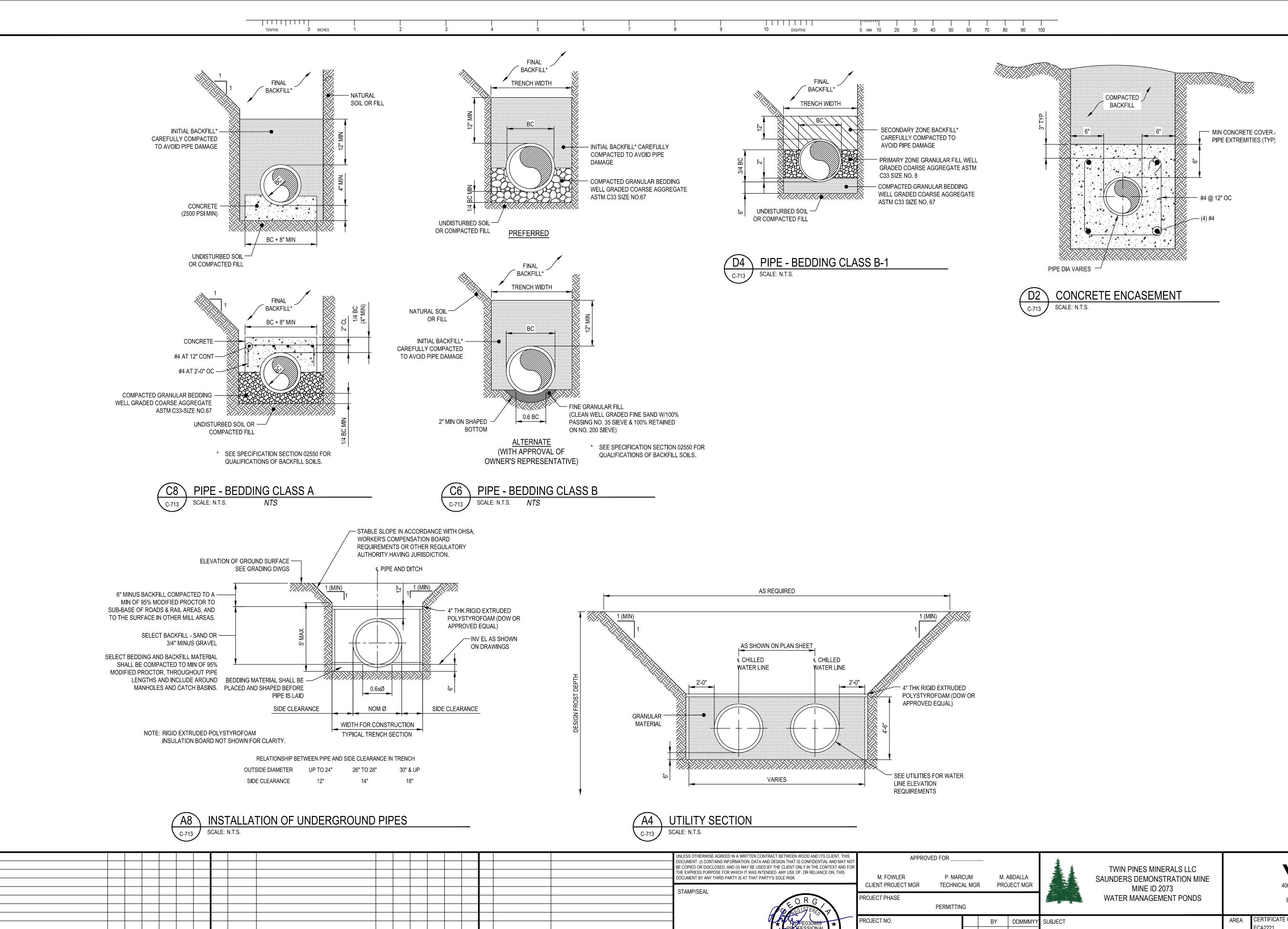
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	Sector FRED T	M. FOWLER CLIENT PROJECT MGR	P. MARCUM TECHNICAL MGR	M. ABDALLA PROJECT MGR		TWIN PINES MINERALS LLC SAUNDERS DEMONSTRATION MINE MINE ID 2073		4000 MEADOW LAKE DRIVE		
		PROJECT PHASE PERMITTING				WATER MANAGEMENT PONDS		SUITE 121 BIRMINGHAM, AL 35242 (205) 980-6402		
			PROJECT NO.		BY DDMMMYY	SUBJECT		AREA	CERTIFICATE OF AUTHORIZATION ECA2221	
	18 May 2020	7382224061	DES	07FEB22			 			
	PE, SNGINEER SC	PF, ENGINEER OU	PF SIGINEER OC	SCALE	DRN	07FEB22		SITE DETAILS 2	CLIENT D	DWG NO.
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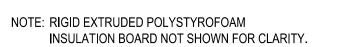




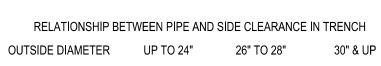


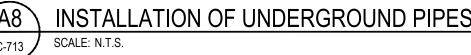


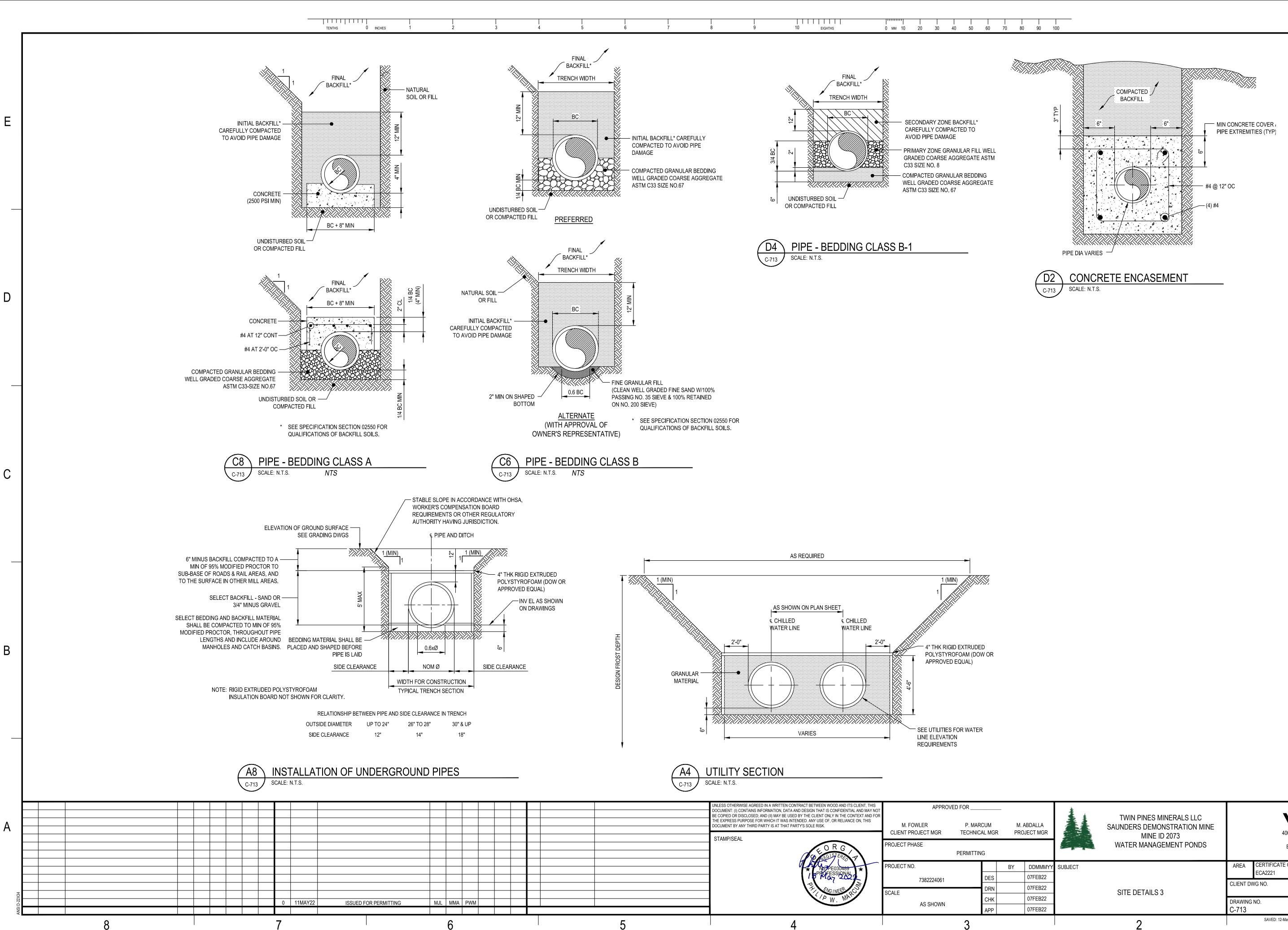




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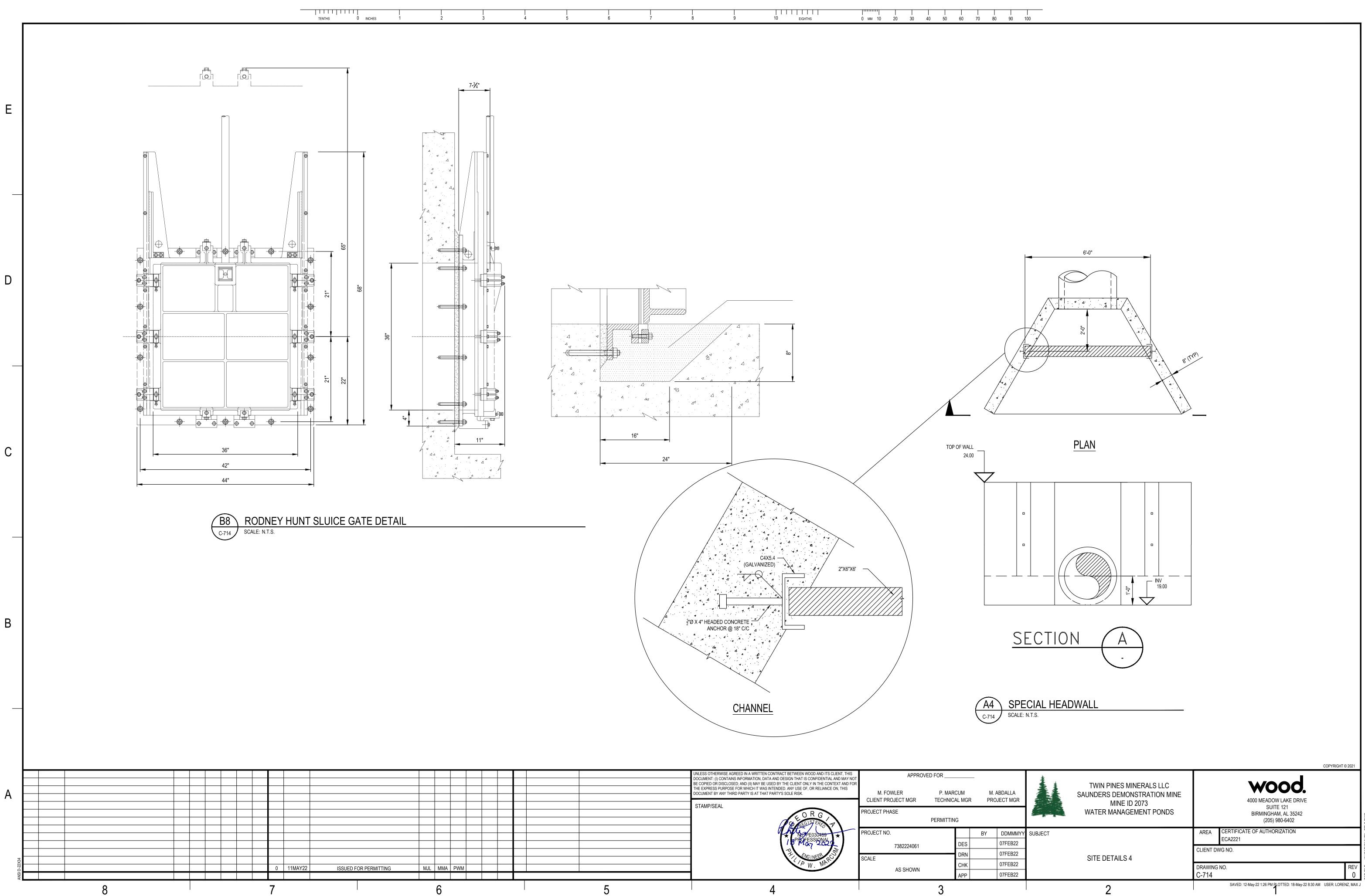




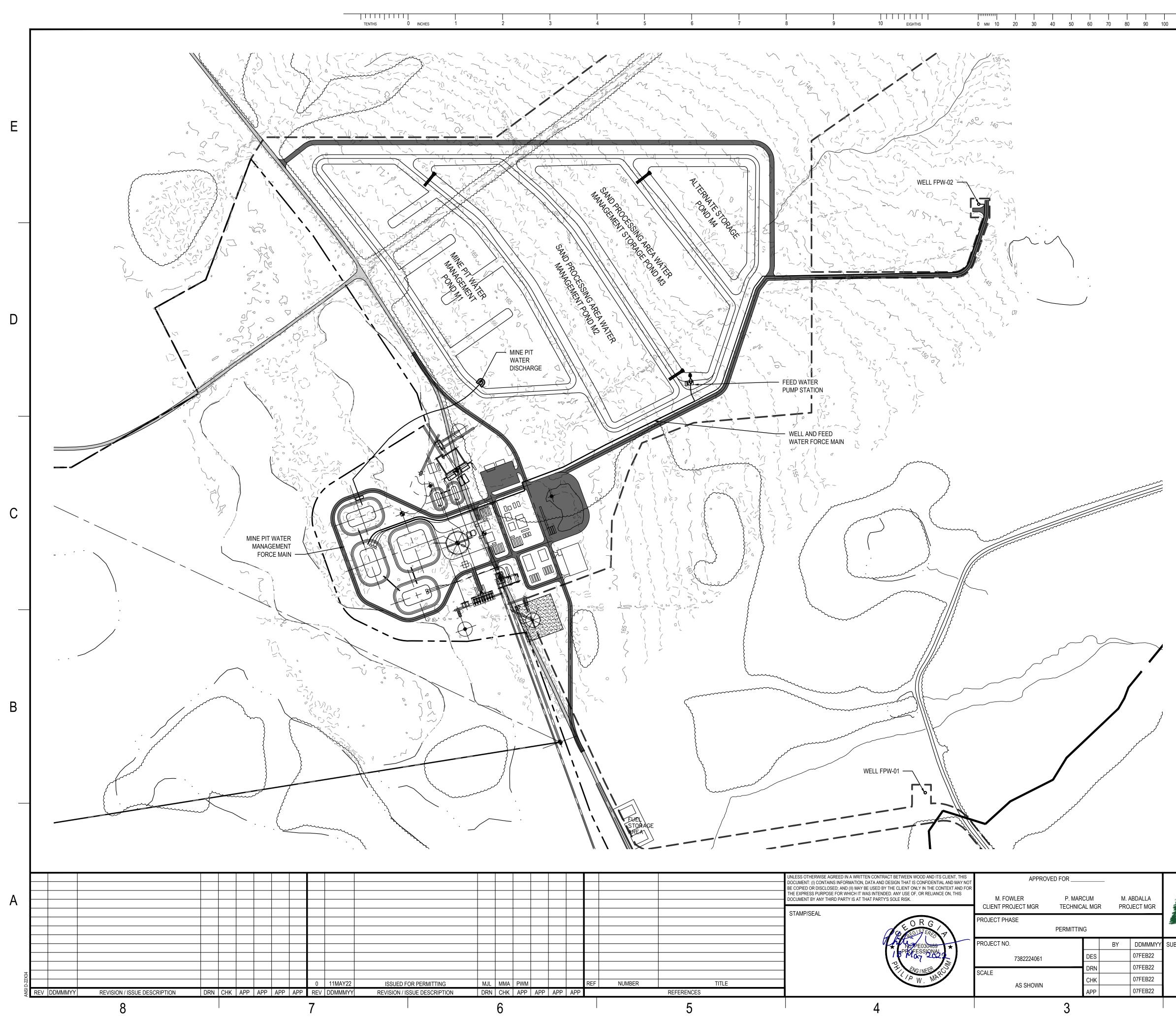
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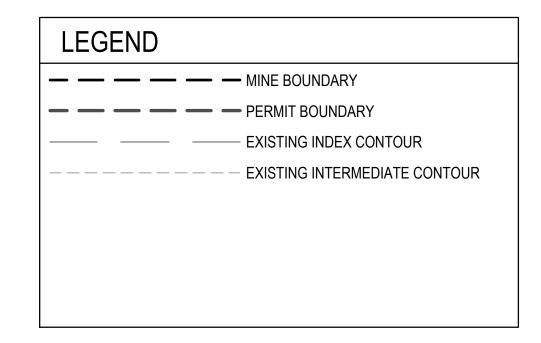
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ALLA T MGR		TWIN PINES MINERALS LLC SAUNDERS DEMONSTRATION MINE MINE ID 2073 WATER MANAGEMENT PONDS		4000 MEADOW LAKE DRIVE SUITE 121 BIRMINGHAM, AL 35242 (205) 980-6402
DMMMYY	SUBJECT	SUBJECT		CERTIFICATE OF AUTHORIZATION
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FEB22	SITE DETAILS 3		CLIENT DV	NG NO.
FEB22			DRAWING	NO. REV
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SAUNDERS DEMONSTRATION MINE CLOSURE PLAN

REFER TO WATER USE MANAGEMENT PLAN FOR THE DETAILED CLOSURE PROCEDURES.

PHASE 1 - MINE PIT WATER MANAGEMENT POND

- OPEN SLUICE GATES
- DRAIN MINE PIT WATER MANAGEMENT POND CLOSE SLUICE GATES
- DECOMMISSION POND
- •• REMOVE LINER SYSTEM
- REMOVE SLUICE GATES, HEADWALL AND CULVERT ••
- REMOVE BERM •• •• RESTORE AREA TO PRE-CONSTRUCTION CONDITIONS

PHASE 2 - SAND PROCESSING AREA WATER MANAGEMENT POND (1)

- OPEN SLUICE GATES
- DRAIN SAND PROCESSING AREA WATER MANAGEMENT POND (1)
- CLOSE SLUICE GATES
- DECOMMISSION POND
- •• REMOVE LINER SYSTEM
- •• REMOVE SLUICE GATES, HEADWALL AND CULVERT REMOVE BERM
- •• RESTORE AREA TO PRE-CONSTRUCTION CONDITIONS

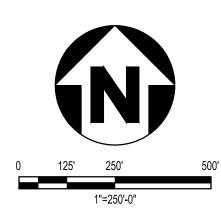
PHASE 3 - ALTERNATE STORAGE POND

- PUMP ANY STANDING WATER INTO SAND PROCESSING AREA WATER MANAGEMENT POND (2)
 DECOMMISSION POND
- •• REMOVE LINER SYSTEM •• REMOVE BERM

RESTORE AREA TO PRE-CONSTRUCTION CONDITIONS ••

PHASE 4 - SAND PROCESSING AREA WATER MANAGEMENT POND (2)

- OPEN SLUICE GATES
- DRAIN SAND PROCESSING AREA WATER MANAGEMENT POND (2)
- CLOSE SLUICE GATES DECOMMISSION POND
- •• REMOVE LINER SYSTEM
- •• REMOVE SLUICE GATES, HEADWALL AND CULVERT
- •• REMOVE BERM
- •• RESTORE AREA TO PRE-CONSTRUCTION CONDITIONS



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