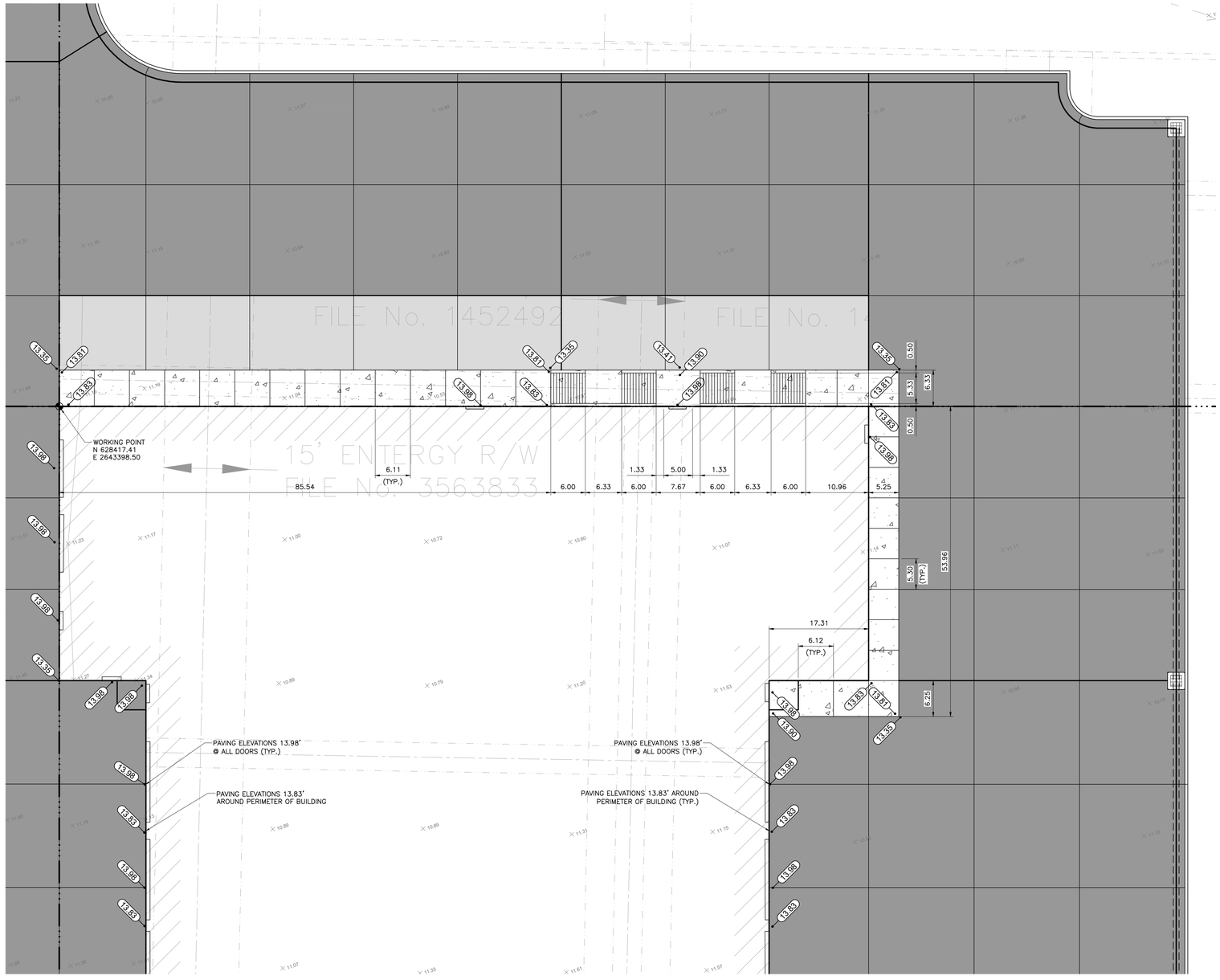

1 ENLARGED SITE LAYOUT PLAN

SCALE: 1" = 10'-0"

NORTH

SUBGRADE PREPARATION AND STRUCTURAL FILL NOTES (CIVIL ONLY)

1. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING LA ONE CALL TO IDENTIFY ALL UTILITIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES.

2. CONTRACTOR TO LOCATE ALL UTILITIES AND VERIFY NO CONFLICTS EXIST WITH ANY PROPOSED STORMWATER AND/OR UTILITY ROUTING PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. IF ANY CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR RESOLUTION PRIOR TO COMMENCEMENT OF CONSTRUCTION.

3. FOR AREAS IMMEDIATELY UNDER BUILDING PAD AND 3 FEET OUTSIDE OF PAVING LINE, CONTRACTOR SHALL REMOVE ALL VEGETATION, TOPSOIL, ORGANIC MATTER AND EXISTING IMPROVEMENTS, INCLUDING FOUNDATIONS, GRAVEL, ASPHALT, AND CONCRETE PAVING, TO AN ELEVATION OF TWO (2) FEET BELOW EXISTING GRADE. REMOVE ANY EXISTING FOUNDATIONS AND IN THEIR ENTIRETY AND BACKFILL WITH STRUCTURAL FILL PER DIRECTIONS BELOW. THE CUT DEPTH SHALL BE A MINIMUM; ADDITIONAL CUT SHALL BE ALLOWED AS REQUIRED FOR DRAINAGE OF THE EXCAVATION. DEPTH OF EXCAVATION SHALL BE POSITIVELY IDENTIFIED AND DOCUMENTED BY TESTING AGENCY AND PROVIDED TO ARCHITECT AND ENGINEER FOR REVIEW PRIOR TO INSTALLATION OF STRUCTURAL FILL MATERIAL.

4. ANY SOILS REMOVED WITHOUT THE PROPER AUTHORIZATION FROM THE ARCHITECT/ENGINEER WILL BE FILLED WITH STRUCTURAL FILL AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.

5. DISPOSE OF ALL EXISTING SOILS/VEGETATION PER OWNER'S DIRECTIVE ACCORDING TO FEDERAL, STATE, AND LOCAL REGULATIONS.

6. AFTER ALL MATERIALS HAVE BEEN REMOVED TO THE PROPER SUBGRADE ELEVATION, THE CONTRACTOR SHALL PROOF ROLL THE SUBGRADE WITH A LOADED TANDEM AXLE DUMP TRUCK. ANY SUBGRADE FAILURES, "SOFT SPOTS", SHALL BE REMOVED AND REPLACED WITH STRUCTURAL FILL. ENGINEER TO BE ADVISED A MINIMUM OF 24 HOURS PRIOR TO PERFORMANCE OF PROOFROLL AND PROOFROLL TO BE OBSERVED BY TESTING AGENCY.

   NO "EXTRAS" WILL BE AWARDED FOR EFFORTS NECESSARY TO REPAIR AREAS THAT FAIL PROOF ROLL AS A RESULT OF DEGRADATION BY EXPOSURE TO RAIN AND EXCESSIVE CONSTRUCTION TRAFFIC. THIS DETERMINATION WILL BE MADE SOLELY BY THE ARCHITECT/ENGINEER.

7. ALL STRUCTURAL FILL MATERIAL SHALL BE INSTALLED IN 6" THICK LOOSE LIFTS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY AT +/-2% OF THE OPTIMUM MOISTURE CONTENT (ASTM D 698). STRUCTURAL FILL MATERIAL SHALL BE A LIME-TREATED SILTY OR SANDY CLAY WITH A LIQUID LIMIT BETWEEN 30-42 AND A PLASTICITY INDEX (P.I.) BETWEEN 12 AND 22. PROPERTIES OF FILL MATERIAL ARE TO BE VERIFIED BY A TESTING AGENCY PRIOR TO INSTALLATION. LIME TREATMENT PERCENTAGE TO BE DETERMINED USING LA DOTR TR 416, REFER TO SECTION 31200 "EARTH MOVING" FOR FURTHER BIDDING DIRECTIONS. PROPOSED LIME MATERIAL AND APPLICATION RATE, BASED ON RESULTS OF TR 416, TO BE SUBMITTED FOR REVIEW BY ENGINEER PRIOR TO MIXING. LIME TO BE PIT MIXED – NO SITE MIXING PERMITTED.

   BID SUBMISSION SHALL CONSIDER 19 LBS OF LIME (HYDRATED OR GRANULAR QUICKLIME) PER SQUARE YARD APPLIED TO A DEPTH OF 12". ANY REQUIRED INCREASE OR DECREASE OF APPLICATION RATE (BASED ON RESULTS OF TR 416 TESTING) WILL BE ADDRESSED BY A CONTRACT MODIFICATION AND CONSIDER (ONLY) THE COST OF THE QUANTITY CHANGE OF MATERIAL.

8. COMPACTION OF EACH LIFT SHALL BE VERIFIED BY LAB TEST PRIOR TO INSTALLING NEXT LIFT. A MINIMUM TESTING FREQUENCY OF ONE (1) TEST PER 2,500 SQUARE FEET, BUT NO LESS THAN 3 TESTS, PER LIFT SHALL BE PERFORMED. A QUALIFIED INDEPENDENT GEOTECHNICAL ENGINEERING TESTING AGENCY SHALL VERIFY PROPERTIES OF THE STRUCTURAL FILL MATERIALS AS WELL AS IN SITU COMPACTION OF FILL MATERIALS.

   REFER TO SPECIFICATION SECTION 31200 "EARTH MOVING" FOR ADDITIONAL MATERIAL AND TESTING REQUIREMENTS

   INITIAL (BORROW PIT) SOIL SAMPLE AND ANALYSIS, TR 416 TESTING, LIME TREATMENT OBSERVATION, AND POST LIME APPLICATION TESTING TO BE BE PROCURED BY CONTRACTOR. TO ENSURE PROPER AND TIMELY COORDINATION OF THIS EFFORT DURING THE SUBMITTAL PROCESS. TESTING AGENCY TO HAVE A LOUISIANA LICENSED CIVIL P.E. ON STAFF; SUBMIT THE LICENSE INFORMATION OF THIS INDIVUAL PRIOR TO THE PRE-CONSTRUCTION MEETING FOR REVIEW BY THE ENGINEER.

   EXCAVATION DEPTH OBSERVATION, PROOFROLL OBSERVATION, AND COMPACTION TESTING TO BE PROCURED BY OWNER.

   CONTRACTOR SHALL PROVIDE A UNIT PRICE (CUBIC YARD) FOR EXCAVATION OF EXISTING MATERIAL AND INSTALLATION AND COMPACTION OF LIME-TREATED STRUCTURAL FILL MATERIAL. THIS UNIT PRICE WILL INCLUDE BOTH EXCAVATION AND INSTALLATION OF THE MATERIAL.

9. CONTRACTOR IS TO MAINTAIN DRAINAGE PATHS TO SHED RUNOFF AWAY FROM ALL STRUCTURAL FILL AREAS UNTIL THEY ARE COMPLETED.

10. CONTRACTOR SHALL KEEP THE EXCAVATED AREAS, AND SURFACES OF IMPORTED FILL, FREE FROM STANDING WATER AT ALL TIME. SHOULD THIS EFFORT INCLUDE ADDITIONAL EXCAVATION, GRADING, PUMPING OF WATER, ETC., THIS WILL NOT BE CONSIDERED AN "EXTRA" AND NO CONTRACT MODIFICATIONS WILL BE AWARED.

    SUBGRADE PREPARATION AND STRUCTURAL FILL NOTES BASED ON RECOMMENDATIONS CONTAINED IN GEOTECHNICAL REPORT (DJH FILE 25-032, DATED 19 NOVEMBER 2026) AS PREPARED BY DANIEL J. HOLDER, P.E., INC., LAKE CHARLES, LOUISIANA AS DIRECTED FOR USE BY THE ARCHITECT.

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STATE OF LOUISIANA
BENJAMIN LEPSANT
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PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
26.05.22

NEW CONTSTRUCTION
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2010 PATTON ST.

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PROJECT NO.
25012

PROJECT MANAGER
TM

DATE ISSUED
05.22.26

REVISED

SHEET NUMBER
C-102
ENLARGED PLAN

DUHON + PLEASANT
CIVIL & STRUCTURAL ENGINEERS

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