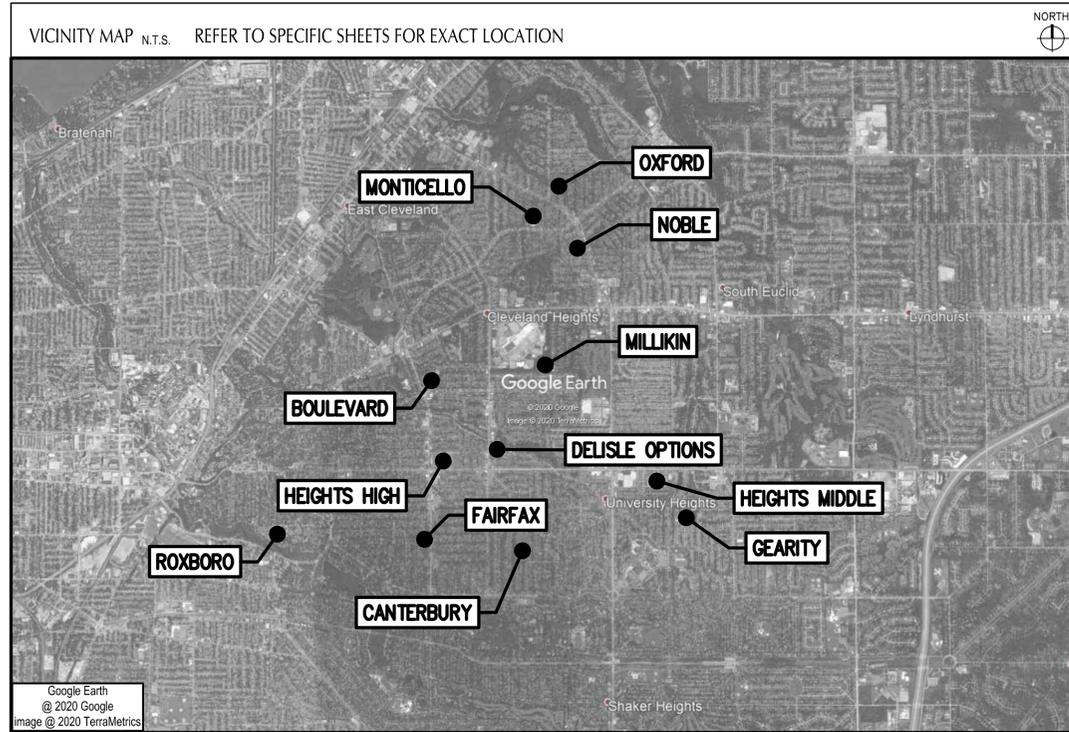
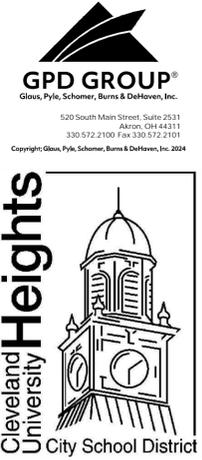


PAVEMENT MAINTENANCE PLANS FOR CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS CITY SCHOOL DISTRICT

SEPTEMBER, 2024

PROJECT #2024086.01



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OHIO SPECIFICATION

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

PLAN REPRODUCTION WARNING

THE PLANS HAVE BEEN CREATED ON ANSI D (22" x 34") SHEETS. FOR REDUCTIONS REFER TO GRAPHIC SCALE.

THE PLANS HAVE BEEN CREATED FOR FULL COLOR PLOTTING. ANY SET OF PLANS THAT IS NOT PLOTTED IN FULL COLOR SHALL NOT BE CONSIDERED ADEQUATE FOR CONSTRUCTION PURPOSES.

WARNING INFORMATION MAY BE LOST IN COPYING AND/OR GRAY SCALE PLOTTING.

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CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS
PAVEMENT MAINTENANCE PLANS

TITLE SHEET

ISSUED FOR:	
PERMIT	XX/XX/XX
BID	XX/XX/XX
CONSTRUCTION	XX/XX/XX
RECORD	XX/XX/XX

PROJECT MANAGER	DESIGNER
KB	PE

JOB NO.
2024086.01

T-001

DEMOLITION NOTES

- 1. CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO ANY DEMOLITION PROCESS.
2. DEMOLITION INCLUDES THE FOLLOWING:
2.A. TRANSFER BENCHMARK CONTROL TO NEW LOCATIONS OUTSIDE THE DISTURBED AREA PRIOR TO COMMENCING DEMOLITION OPERATIONS (WHEN APPLICABLE).
2.B. DEMOLITION AND REMOVAL OF SITE IMPROVEMENTS NECESSARY FOR THE PROPOSED CONSTRUCTION OF NEW IMPROVEMENTS.
2.C. REROUTING, RELOCATING, DISCONNECTING, CAPPING OR SEALING, AND ABANDONING/REMOVING SITE UTILITIES IN PLACE (WHICHEVER IS APPLICABLE).
3. REMOVE AND LEGALLY DISPOSE OF ITEMS CALLED OUT TO BE REMOVED. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS. THOSE ITEMS INDICATED TO BE REINSTALLED, SALVAGED, OR TO REMAIN SHALL BE CLEANED, SERVICED, AND OTHERWISE PREPARED FOR REUSE. CONTRACTOR TO STORE AND PROTECT AGAINST DAMAGE. REINSTALL ITEMS IN LOCATIONS INDICATED.
4. PROTECT ITEMS INDICATED TO REMAIN AGAINST DAMAGE AND SOILING THROUGHOUT CONSTRUCTION. WHEN PERMITTED BY THE CONSTRUCTION MANAGER OR OWNER, ITEMS MAY BE REMOVED TO A SUITABLE, PROTECTED STORAGE LOCATION THROUGHOUT CONSTRUCTION AND THEN CLEANED AND REINSTALLED IN THEIR ORIGINAL LOCATIONS. PROMPTLY REPAIR DAMAGES TO ADJACENT FACILITIES CAUSED BY DEMOLITION OPERATIONS AT THE CONTRACTORS COST. CONTRACTOR SHALL PROVIDE NEW HARDWARE AS APPLICABLE.
5. CONTRACTOR SHALL SCHEDULE DEMOLITION ACTIVITIES WITH THE CONSTRUCTION/PROJECT MANAGER INCLUDING THE FOLLOWING:
5.A. DETAILED SEQUENCE OF DEMOLITION AND REMOVAL WORK, WITH STARTING AND ENDING DATES FOR EACH ACTIVITY.
5.B. DATES FOR SHUTOFF, CAPPING, AND CONTINUATION OF UTILITY SERVICES IF APPLICABLE.
5.C. IDENTIFY AND ACCURATELY LOCATE UTILITIES AND OTHER SUBSURFACE STRUCTURAL, ELECTRICAL, OR MECHANICAL CONDITIONS.
6. COMPLY WITH GOVERNING AUTHORITY NOTIFICATION REGULATIONS BEFORE STARTING DEMOLITION. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION.
7. OBTAIN APPROVED BORROW SOIL MATERIALS OFF-SITE WHEN SUFFICIENT SATISFACTORY SOIL MATERIALS ARE NOT AVAILABLE ON SITE.
8. MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE THROUGHOUT CONSTRUCTION OPERATIONS.
8.A. DO NOT INTERRUPT EXISTING UTILITIES SERVING OCCUPIED OR OPERATING FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY OWNER'S REPRESENTATIVE AND AUTHORITIES HAVING JURISDICTION. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES, AS ACCEPTABLE TO OWNER AND TO GOVERNING AUTHORITIES.
9. LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP OFF INDICATED UTILITY SERVICES SERVING THE SITE. ARRANGE TO SHUT OFF AND CAP UTILITIES WITH UTILITY COMPANIES AND FOLLOW THEIR RESPECTIVE UTILITY KILL AND CAP POLICIES. DO NOT START DEMOLITION WORK UNTIL UTILITY DISCONNECTING AND SEALING HAVE BEEN COMPLETED AND VERIFIED IN WRITING BY THE UTILITY COMPANY.
10. CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AROUND DEMOLITION AREA. SAFE PASSAGE INCLUDES THE ERECTION OF TEMPORARY PROTECTION AND/OR BARRICADES AS PER LOCAL GOVERNING AUTHORITIES AND IN ACCORDANCE WITH THE CURRENT ADA REGULATIONS.
11. USE OF EXPLOSIVES WILL NOT BE PERMITTED.
12. CLEAN ADJACENT BUILDINGS AND IMPROVEMENT OF DUST, DIRT, AND DEBRIS CAUSED BY DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE START OF DEMOLITION.
13. PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE. STORAGE OR SALE OF REMOVED ITEMS OR MATERIALS ON-SITE WILL NOT BE PERMITTED. NO BURNING OF ANY MATERIALS ON SITE SHALL BE PERMITTED.
14. IT IS NOT EXPECTED THAT ASBESTOS WILL BE ENCOUNTERED IN THE COURSE OF THIS CONTRACT. IF ANY MATERIALS SUSPECTED OF CONTAINING ASBESTOS ARE ENCOUNTERED, DO NOT DISTURB THE MATERIALS. IMMEDIATELY NOTIFY THE CONSTRUCTION MANAGER AND THE OWNER.
15. SURVEY THE CONDITION OF THE STRUCTURE TO DETERMINE WHETHER REMOVING ANY ELEMENT MIGHT RESULT IN A STRUCTURAL DEFICIENCY OR UNPLANNED COLLAPSE OF ANY PORTION OF THE STRUCTURE OR ADJACENT STRUCTURES THROUGHOUT CONSTRUCTION.
16. BELOW-GRADE DEMOLITION: DEMOLISH FOUNDATION WALLS, PAVEMENTS, AND OTHER BELOW-GRADE DEMOLITION, AS FOLLOWS:
16.A. COMPLETELY REMOVE BELOW-GRADE DEMOLITION, INCLUDING FOUNDATION WALLS FOOTINGS, KNOWN AND UNKNOWN PAVEMENT SECTIONS INCLUDING UNDERLYING CONCRETE SLABS, AND OTHER BELOW GRADE CONCRETE SLABS FOUND DURING DEMOLITION (INCLUDING ITEMS WHICH MAY NOT BE IDENTIFIED HEREIN).
17. FILLING BELOW-GRADE AREAS: COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM DEMOLITION OF BUILDINGS, PAVEMENTS, AND OTHER REMOVED ITEMS WITH SOIL MATERIALS ACCORDING TO REQUIREMENTS STATED HEREIN AND IN ACCORDANCE WITH A GEOTECHNICAL ENGINEER. CONTRACTOR SHALL CONTACT GEOTECHNICAL ENGINEER PRIOR TO FILLING ANY AREAS TO OBSERVE FIELD PROCEDURES.
18. CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER ADJACENT OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM OWNER AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS IF REQUIRED BY GOVERNING REGULATIONS.
19. CONTRACTOR TO WET SAWCUT EXISTING PAVEMENT TO REMAIN PRIOR TO REMOVALS OF CURB, GUTTER, PAVEMENT, ETC.
20. WHEN NOTED AND ALLOWED BY THE OWNER, THE CONTRACTOR MAY RE-USE EXISTING WHEELSTOPS FOR THE PROPOSED SITE. CONTRACTOR AND CONSTRUCTION MANAGER SHALL COORDINATE WHICH EXISTING WHEELSTOPS MAY BE RE-USED PRIOR TO DEMOLITION. CONTRACTOR SHALL ENSURE THAT ALL RE-USED WHEELSTOPS ARE PROTECTED DURING CONSTRUCTION.
21. IF UNDERGROUND TANKAGE IS CALLED FOR DEMOLITION, THE CONTRACTOR SHALL COORDINATE REMOVAL AND REPLACEMENT WITH THE STATE BUREAU OF UNDERGROUND STORAGE TANK REGULATIONS (BUSTRI). UNDERGROUND TANK REMOVAL SHALL ALSO INCLUDE THE REMOVAL OF ANY MONITORING WELLS, OIL/GAS WELLS, AND MINE SHAFTS, IN ACCORDANCE WITH GOVERNING AUTHORITIES HAVING JURISDICTION.
22. CONTRACTOR SHALL FULLY SECURE WORK AREA WITH THE APPROPRIATE SIGNAGE, FENCING, AND BARRICADES WHICH ACCOMMODATE VISUALLY IMPAIRED PERSONS AS AGREED UPON WITH SITE CONSTRUCTION/PROJECT MANAGER AND OWNER TO WARN AND KEEP PEOPLE OUT OF THE SITE WORK AREA FOR THE DURATION OF THE PROJECT.
23. DEMOLITION, REMOVAL AND REPLACEMENT, OR ADJUSTING ITEMS PER OWNERS SATISFACTION AS REQUIRED FOR INSTALLATION (INCLUDING THOSE THAT MAY NOT BE SHOWN) OF NEW FEATURES SHALL BE PART OF THIS PROJECT. CONTRACTOR SHALL RESTORE AND BLEND INTO EXISTING SURROUNDING AREAS.
24. CONTRACTOR SHALL FULLY EXAMINE ALL BUILDINGS FOR BELOW GRADE VAULTS, ROOMS, CRAWL SPACES, BELOW GRADE VOIDS PRIOR TO ANY CONSTRUCTION ACTIVITIES. IF A SPACE IS FOUND WITHIN OR AFFECTING ANY IDENTIFIED WORK EFFORTS, THE CONTRACTOR SHALL IDENTIFY THIS TO THE OWNER AND ENGINEER PRIOR TO STARTING WORK.

GENERAL PLAN AND SURVEY NOTES

- 1. PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.
2. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE SECTION OF THESE NOTES ENTITLED "GRADING PLAN NOTES" FOR DEFINITIONS AS MAY BE NECESSARY FOR "GEOTECHNICAL ENGINEER" AND "SOILS" REPORT.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY. THE SOILS REPORT AND RECOMMENDATIONS SET FORTH THEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION/PROJECT MANAGER OF ANY DISCREPANCY BETWEEN SOILS REPORT AND PLANS, ETC.
4. THESE PLANS ARE BASED ON A TOPOGRAPHIC SURVEY DONE BY THE GPD GROUP, MAY 2019. THE G.C. IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS AND LOCATING IMPROVEMENTS PER THESE PLANS.
5. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORKFORCE.
6. THE CONTRACTOR SHALL, UPON BECOMING AWARE OF SUBSURFACE OR LATENT PHYSICAL CONDITIONS DIFFERING FROM THOSE DISCLOSED BY THE ORIGINAL SOIL EXPLORATION WORK, PROMPTLY NOTIFY THE OWNER VERBALLY TO PERMIT VERIFICATION OF THE CONDITIONS AND IN WRITING, AS TO THE NATURE OF THE DIFFERING CONDITIONS. NO CLAIM BY THE CONTRACTOR FOR ANY CONDITIONS DIFFERING FROM THOSE ANTICIPATED IN THE PLAN AND SPECIFICATIONS AND DISCLOSED BY THE SOIL STUDIES WILL BE ALLOWED UNLESS THE CONTRACTOR HAS SO NOTIFIED THE OWNER, VERBALLY AND IN WRITING AS REQUIRED ABOVE, OF SUCH DIFFERING CONDITIONS.
7. ALL WORK WITHIN THE RIGHTS OF WAY SHALL BE IN ACCORDANCE WITH THE GOVERNING JURISDICTION AND SPECIFICATIONS.
8. CONTRACTOR SHALL COORDINATE ANY MAINTENANCE OF TRAFFIC WITH THE OWNER'S REPRESENTATIVE AND THE LOCAL JURISDICTION PRIOR TO CONSTRUCTION.
9. CONTRACTOR SHALL AT ALL TIMES ENSURE THAT SWPP MEASURES PROTECTING EXISTING DRAINAGE FACILITIES BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY PHASE OF THE SITE CONSTRUCTION OR LAND ALTERATION.
10. ALL WORK SHALL BE COMPLETED IN A NEAT AND ORDERLY MANNER REMOVING ALL EXCESS MATERIAL AND WASTE FROM THE SITE INCLUDING TIMELY REMOVAL OF ANY CONCRETE SPALLTER, UPON COMPLETION OF PROJECT, CONTRACTOR SHALL CLEAN THE PAVED AREAS PRIOR TO REMOVAL OF TEMPORARY SEDIMENT CONTROLS, AS DIRECTED BY THE CITY AND/OR CONSTRUCTION/PROJECT MANAGER. IF POWER WASHING IS USED, NO SEDIMENT LADEN WATER SHALL BE WASHED INTO THE STORM SYSTEM. ALL SEDIMENT LADEN MATERIAL ON PAVEMENT OR WITHIN THE STORM SYSTEM SHALL BE COLLECTED AND REMOVED FROM THE SITE AT CONTRACTOR'S EXPENSE.
11. THESE PROJECT CONSTRUCTION DOCUMENTS SHALL NOT CONSTITUTE A CONTRACTUAL RELATIONSHIP BETWEEN THE ENGINEER AND THE CONTRACTOR / SUBCONTRACTOR / OR OTHER AFFILIATED PARTIES.
12. THE ENGINEER WILL NOT BE RESPONSIBLE FOR CONSTRUCTION OR SAFETY, MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES UTILIZED IN CONSTRUCTION BY THE CONTRACTOR OR SUBCONTRACTORS. ANY SEQUENCING OR SUGGESTED NOTATIONS WHICH MAY APPEAR IN THE PLANS IS INTENDED TO ASSIST IN THE UNDERSTANDING OF PROJECT INTENT.
13. DETAILS, NOTES, AND OTHER REFERENCES CONTAIN HEREIN MAY HAVE BEEN OBTAINED FROM OUTSIDE REFERENCE SOURCE LOCATIONS SUCH AS, BUT NOT LIMITED TO, LOCAL AUTHORITY AGENCIES, DESIGN REFERENCE MANUALS, MANUFACTURER'S RECOMMENDED DOCUMENTATION, OR OTHER INDUSTRY SOURCES. GPD DOES NOT WARRANT INFORMATION OR REPRESENTATION OF SAID CONTENT CONTAINED HEREIN. IT IS SHOWN SOLELY FOR REFERENCE ONLY OF DESIGN INTENT AT THE TIME OF PLAN PREPARATION. THE CONSTRUCTION TEAM MEMBERS (CONTRACTOR AND CONSTRUCTION MANAGER, WHERE APPLICABLE) SHALL OBTAIN THE MOST CURRENT DETAILED INFORMATION FROM THE RESPECTIVE SOURCE TO CONSTRUCT THE IMPROVEMENTS UNDER THE AUTHORITY OF THE RESPECTIVE GOVERNING AGENCIES. IF ANY DISCREPANCIES ARE DISCOVERED BETWEEN THE ORIGINAL DESIGN INTENT AND THE CONSTRUCTION TEAM OBTAINED REFERENCE MATERIAL, THE CONSTRUCTION MANAGER OR THE PROJECT'S CONTACT PERSON SHALL BE NOTIFIED PRIOR TO COMMENCING OF ASSOCIATED WORK.
14. CONDUCT CONSTRUCTION OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER ADJACENT OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM OWNER AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS.
15. ALL DIMENSIONS, GRADES, AND UTILITY LOCATIONS SHOWN ON THESE PLANS WERE BASED ON A TOPOGRAPHIC SURVEY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY CONSTRUCTION/PROJECT MANAGER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO INFORMATION SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
16. IN SOME CASES, THE DEVELOPER OR OWNER MAY HAVE PROVIDED THEIR OVERALL DEVELOPMENT PLANS FOR THE PROJECT DESIGN RATHER THAN A FIELD SURVEY. (SEE SITE PLAN FOR NOTES WHEN THIS IS THE CASE), ALL DIMENSIONS, GRADES, AND UTILITY LOCATIONS SHOWN ON THESE PLANS WERE BASED ON SAID DEVELOPMENT PLANS. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY CONSTRUCTION MANAGER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO INFORMATION SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
17. THE CONTRACTOR SHALL RUN AN INDEPENDENT VERTICAL CONTROL TRAVERSE TO CHECK BENCHMARKS AND A HORIZONTAL CONTROL TRAVERSE THROUGH THE REFERENCED PROJECT CONTROL DATUM TO CONFIRM GEOMETRIC DATA. IT IS THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.
18. ALL CONSTRUCTION STAKING SHALL BE BY THE CONTRACTOR AND INCLUDED IN THE PROJECT BASE BID. UPON REQUEST, THE ENGINEER CAN ELECTRONICALLY PROVIDE A CAD DRAWING FILE FOR CONSTRUCTION LAYOUT PURPOSE. USE OF THOSE FILES IS SUBJECT TO A SEPARATE AGREEMENT UPON REQUEST.
19. AS HEREIN, GPD GROUP REFERS TO GPD GROUP - GLAUS, PYLE, SCHOMER, BURNS & DEHAVEN, INC.
20. CONTRACTOR SHALL FURNISH AND INSTALL ADDITIONAL TOPSOIL AND SEEDING ALONG THE PROPOSED WORK EDGES TO BLEND INTO THE EXISTING SUCH THAT THERE IS NOT AN ELEVATION CHANGE AND POSITIVE DRAINAGE IS PROVIDED, INCLUDING INFILL OF AREAS WHERE PAVEMENT IS REMOVED THAT IS NOT TO BE REPLACED.

CONCRETE NOTES AND SPECIFICATIONS

- 1. ALL DIMENSIONS AND RADII ARE GIVEN TO FACE OF CURB UNLESS OTHERWISE NOTED.
2. ALL EXTERIOR SITE SPECIFIC PORTLAND CEMENT CONCRETE (PCC) (I.E. SIDEWALK, PAVEMENT OR CURBING) SHALL MEET THE MINIMUM REQUIREMENTS OF THE LATEST EDITIONS OF THE STATE DEPARTMENT OF TRANSPORTATION (DOT) AND THE AMERICAN CONCRETE INSTITUTE (ACI) SPECIFICATIONS USING THE RESPECTIVE ASTM STANDARDS FOR MATERIALS USED, MIXING, TRANSPORTATION, FORMING, PLACEMENT, CURING, AND SEALING. THE MINIMUM STRENGTH FOR NORMAL WEIGHT CONCRETE IS 4000 PSI AT 28 DAY STRENGTH. CONTRACTOR SHALL REFER TO DETAILS, NOTES, AND SPECIFICATIONS WITHIN THE CONSTRUCTION DOCUMENTS FOR VARIATIONS TO THIS SPECIFICATION. MIX DESIGN SHOP DRAWINGS SHALL BE TAILORED TO THE ACTUAL FIELD PLACEMENT CONDITIONS AND BE SUBMITTED TO THE CONSTRUCTION/PROJECT MANAGER IN ACCORDANCE WITH THE PROJECT REQUIREMENTS.
3. AIR ENTRAINMENT SHALL BE IN ACCORDANCE WITH DOT SPECIFICATIONS FOR EXTERIOR CONCRETE. (CONTRACTOR SHALL REFER TO DETAILS WITHIN THIS DRAWING SET FOR ANY VARIATION TO THIS SPECIFICATION).
4. ALL EXTERIOR CONCRETE CURBS SHALL HAVE JOINTS PER ACI 330. CURB JOINTS ARE TO ALIGN WITH CONCRETE PAVEMENT JOINTS WHERE APPLICABLE, TYPICALLY BEING 10 FT TO 12 FT. ALL EXTERIOR VEHICULAR CONCRETE PAVEMENT AND FLATWORK SHALL HAVE CONTROL JOINTS PER TABLE BELOW AND EXPANSION JOINTS PER ACI 330 TYPICAL RECOMMENDATIONS.
5. ALL CONCRETE SHALL HAVE A MEDIUM TRANSVERSE FINISH.
6. RECLAIMED ASPHALT PAVEMENT (RAP) WILL NOT BE PERMITTED. ALL ASPHALT MIXES SHALL BE 100% VIRGIN LIMESTONE MIXES.
7. AVERAGE AIR ENTRAINED VALUES ARE FOR IN-PLACE CONCRETE. TOLERANCE FOR TOTAL AIR CONTENT IS 1.5% PER ACI.
8. ALL NORMAL WEIGHT CONCRETE IS TO HAVE A DENSITY OF APPROXIMATELY 145 PCF UNLESS NOTED OTHERWISE.
9. ALL JOINTS, INCLUDING SAWED JOINTS, SHALL BE SEALED. JOINTS SHALL BE CLEANED AND DRIED PRIOR TO SEALING. JOINT SEALING MATERIALS SHALL COMPLY WITH ASTM D 8690 FOR HOT APPLIED ELASTOMERIC, ASTM D 5693 TYPE NS FOR SILICONE RUBBER, AND TT-S-002300 FOR SINGLE COMPONENT ELASTOMERIC. SEALER WIDTH, DEPTH, AND PREPARED APPLICATION SURFACES SHALL BE PER MANUFACTURERS RECOMMENDATIONS. JOINT FILLER MATERIAL SHALL CONFORM TO ASTM D1751 OR ASTM D8139 AND EXTEND THE FULL DEPTH OF CONTACTING SURFACE.
10. ALL CONCRETE PANELS SHALL BE SQUARE WITH A LENGTH TO WIDTH RATIO NO GREATER THAN 1.25 TO 1 AND HAVE A MEDIUM BROOM FINISH (TRANSVERSE, SLIP RESISTANT FOR PEDESTRIAN PATHWAYS) WHICH SHALL BE TO MINIMUM STRENGTH PRIOR TO OPENING FOR VEHICULAR TRAFFIC AREAS, STAGGERED/OFFSET JOINT, INTERIOR CORNERS, ANGLES LESS THAN 90 DEGREES, SLABS LESS THAN 18-INCHES WIDE, AND ODD SHAPES SHALL NOT BE PERMITTED. BLOCKOUTS AROUND ALL PAVEMENT CASTINGS SHALL BE PROVIDED IN ACCORDANCE WITH ACI RECOMMENDATIONS.
11. ALL JOINTING (IF) SHOWN HEREIN IS ONLY A GENERAL GUIDELINE OF DESIGN INTENT. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR FINAL LAYOUT OF THE JOINTING WHICH COINCIDES WITH THEIR MEANS AND METHODS TO ENSURE NO UNDESIRABLE CRACKS FORM THROUGH ANY PLACE CONCRETE. JOINTS SHALL BE APPROPRIATELY PLACED AS SOON AS POSSIBLE TO KEEP UNNECESSARY CRACKS FROM DEVELOPING. CONTRACTOR SHALL SUBMIT SHOP DRAWING OF THEIR PAVEMENT JOINT LAYOUT TO OWNER / CONSTRUCTION MANAGER PRIOR TO PLACEMENT FOR RECORD. THE CONTRACTOR SHALL REPLACE ANY CRACKED CONCRETE, WHICH HAS NOT BEEN PLACED/FINISHED IN ACCORDANCE WITH ACI STANDARDS, TO THE NEXT JOINT PAST THE EFFECTED AREA AT NO ADDITIONAL COST TO THE PROJECT WITHIN ONE YEAR OF PROJECT COMPLETION.
12. DESIGN INTENT CONCRETE AND SHALL CONFORM TO THE FOLLOWING MINIMUM AND MAXIMUM VALUES:
a. STRENGTH PER MIX DESIGN, MINIMUM 4000 PSI
b. PORTLAND CEMENT CONTENT 550 LB / CY (ASTM C150 TYPE III; C595 TYPE II, 12% TARGET)
c. POZZOLAN MATERIALS (SEE NOTES BELOW) SILICA FUME MAY REPLACE MAX. 7% CEMENT FLY ASH MAY REPLACE MAX. 20% CEMENT, SLAG CEMENT MAY REPLACE MAX. 25%
d. MAX W/C RATIO PER MIX DESIGN, MAXIMUM 0.45
e. ENTRAINMENT AIR 6.5% AVG ± 1.5% (7.0% TARGET) ASTM C260
f. SLUMP 4" MAX WITHOUT WATER REDUCER
g. SLUMP WITH HRWR OR MID RANGE WR 6" TO 8"
h. WATER REDUCER NORMAL TYPE A (ASTM C494)
i. RETARDER NORMAL TYPE B OR D AS NEEDED (REQUIRED IF CONCRETE TEMPERATURE EXCEEDS 85F)
j. CONCRETE TEMPERATURE AT PLACEMENT 50F-90F
k. ACCELERATOR NON-CHLORIDE TYPE ONLY - CALCIUM CHLORIDE IS PROHIBITED
l. FIBERS TO BE USED POLYPROPYLENE OR POLYETHYLENE MICRO SYNTHETIC FIBERS @ 1.5 LBS / CY (FIBERMESH 300 OR APPROVED EQAL)
- FOR USE AS W.W.F. REPLACEMENT (VEHICULAR TRAFFIC PAVEMENT) MACRO SYNTHETIC FIBERS @ 4.0 LBS / CY (TUF-STRAND SF OR APPROVED EQUAL)
13. ALL SYNTHETIC FIBERS SHALL BE TYPE III PER ASTM C1116 AND ASTM D7508. MACRO FIBERS SHALL BE 1.5 TO 2.25 INCHES IN LENGTH. MICRO FIBERS SHALL BE 0.5 TO 0.75 INCHES IN LENGTH. DOSAGE RATES SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS BASED ON SELECTED PRODUCT.
14. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615, ASTM A1064, ASTM A307, AND ASTM A775. WHEN USED, ALL W.W.F. SLAB REINFORCEMENT SHALL BE SUPPORTED ON CHAIRS AND BE FLAT SHEETS ONLY. ZINC REPAIR MATERIAL SHALL CONFORM TO ASTM A780.
15. CONCRETE SHALL ARRIVE AT JOB SITE WITH APPROPRIATE W/C RATIO. NO WATER SHALL BE ADDED TO CONCRETE ON SITE WHICH EXCEEDS THE MAXIMUM ALLOWED W/C RATIO AS INDICATED BY THE WRITTEN BATCH PLANT TICKET FROM THE SUPPLIER, SUPERPLASTICIZER AND/OR OTHER ADMIXTURES MAY BE UTILIZED TO ACHIEVE DESIRED WORKABILITY OR TO ACCOUNT FOR ADVERSE PLACEMENT CONDITIONS. ADMIXTURES SHALL BE UTILIZED ONLY IN ACCORDANCE WITH THE MANUFACTURERS WRITTEN INSTRUCTIONS AND MEET THE REQUIREMENTS OF ASTM C494 AND/OR ASTM C1017.
16. CONTRACTOR SHALL HAVE A MIN. 5 YEARS EXPERIENCE WITH SUCCESSFUL PLACEMENT OF CONCRETE UTILIZING POZZOLAN MATERIALS. MIX DESIGNS WHICH UTILIZED POZZOLAN MATERIALS SHALL BE IN ACCORDANCE WITH LOCAL DOT SPECIFICATIONS AND ACI STANDARDS. FLY ASH SHALL MEET THE REQUIREMENTS OF ASTM C618, CLASS C OR CLASS F, EXCEPT THE LOSS ON IGNITION MUST NOT EXCEED 5%, SLAG CEMENT ACCORDING TO ASTM C989, GRADE 100 MINIMUM. SILICA FUME SHALL BE DRY DENSIFIED MEETING THE REQUIREMENTS OF ASTM C1240. USE OF MATERIALS SHALL BE IN ACCORDANCE WITH ACI 211.1.
17. AGGREGATES SHALL BE LOW-SHRINKAGE / WELL GRADED PER ASTM C33 AND THE LOCAL DOT SPECIFICATIONS WHICH ARE RESISTANT TO FREEZE / THAW, SULFATE ATTACK, AND ARE NOT

- ALKALI-CARBONATE AGGREGATES OR SUSCEPTIBLE TO ALKALI-AGGREGATE REACTIVITY. SLAG AGGREGATES SHALL NOT BE PERMITTED IN ANY CONCRETE MIX. LIQUID MEMBRANE FORMING COMPOUNDS SHALL BE PER ASTM C309 TYPE I CLASS B DISSIPATING IN ACCORDANCE WITH ACI 308. LIQUID MEMBRANE FORMING CURING COMPOUNDS SHALL BE WHITE PIGMENTED AND TWO COATS APPLIED IN TWO PERPENDICULAR UNIFORM APPLICATIONS PER MANUFACTURERS RECOMMENDATIONS WITHIN THE ALLOWABLE TIME PERIODS. APPLICATIONS SHALL BE PHOTOGRAPH DOCUMENTED FOR EVEN AND CONSISTENT COVERAGE. NO POOLING OF MATERIAL SHALL BE ACCEPTED.
19. CONCRETE SEALER SHALL BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. A WRITTEN STATEMENT FROM THE MANUFACTURER FOR THE SEALER AND CURING COMPOUND SHALL BE PROVIDED GUARANTEEING COMPATIBILITY.
20. REFER TO ACI INDUSTRY STANDARDS FOR CONCRETE PLACEMENT AND INSTALLATION. CONTRACTOR SHALL INCLUDE PROVISIONS IN ACCORDANCE WITH ACI 305R AND 306R FOR HOT AND COLD WEATHER PLACEMENT WHEN PROJECT SCHEDULE TIMING FALLS WITHIN THE REQUIRED TEMPERATURE RANGES PER ACI AND THE LOCAL DOT.

GRADING PLAN NOTES

- 1. THESE PLANS ARE BASED ON A TOPOGRAPHIC SURVEY COMPLETED BY GPD GROUP ON 05/09/12 AND 3/24. THE G.C. IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS AND LOCATING IMPROVEMENTS PER THESE PLANS.
2. REFER TO ORIGINAL GEOTECHNICAL REPORT FROM 2019, AVAILABLE UPON REQUEST.
3. ALL DIMENSIONS, GRADES, AND UTILITY LOCATIONS SHOWN ON THESE PLANS WERE BASED ON A TOPOGRAPHIC SURVEY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY CONSTRUCTION/PROJECT MANAGER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO INFORMATION SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
4. A SOILS REPORT HAS BEEN PREPARED BY GPD GROUP, DATED MAY 2019 AND SHALL BE CONSIDERED TO BE A PART OF THIS PLAN SET.
5. PRIOR TO SITE CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL INSTALL ALL SWPP MEASURES TO PROTECT EXISTING DRAINAGE FACILITIES. CONTRACTOR SHALL PREVENT SILTATION FROM LEAVING THE SITE AT ALL TIMES.
6. STRIP BUILDING AND PAVEMENT AREAS OF ALL ORGANIC TOPSOILS. STOCKPILE SUITABLE TOPSOILS FOR RESPREADING ONTO LANDSCAPE AREAS. ALL EXCESS EXCAVATED MATERIALS SHALL BE REMOVED FROM THE SITE AT THE CONTRACTOR'S EXPENSE. SEE GEOTECHNICAL REPORT FOR STRIPPING AND TOPSOIL REQUIREMENTS.
7. OBTAIN APPROVED BORROW SOIL MATERIALS OFF-SITE WHEN SUFFICIENT SATISFACTORY SOIL MATERIALS ARE NOT AVAILABLE ON-SITE.
8. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED IN THE SOILS REPORT. UNLESS OTHERWISE SPECIFIED IN THE PLANS, SPECIFICATIONS, OR SOILS REPORT THE SITE GRADING, EXCAVATION, AND EMBANKMENT SHALL BE IN ACCORDANCE WITH THE STATE DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS.
9. AT A MINIMUM ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 98% OF MODIFIED PROCTOR MAXIMUM DRY DENSITY PER A.S.T.M. TEST D-1557. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE NOR 2% BELOW OPTIMUM. THE CONTRACTOR SHALL FOLLOW THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT AND THE OWNER'S SOILS ENGINEER REGISTERED WITHIN THE STATE TO ENSURE COMPLIANCE WITH THE GEOTECHNICAL REPORT. MAKE GEOTECHNICAL RECOMMENDATIONS BASED ON FIELD CONDITIONS, AND ENSURE THAT ALL SHORING AND DEWATERING MEANS AND METHODS WILL NOT COMPROMISE THE STABILITY OF EXISTING OR PROPOSED FOOTINGS/FOUNDATIONS. THE OWNER SHALL RECEIVE ALL COMPACTION REPORTS PREPARED BY THE OWNER'S GEOTECHNICAL ENGINEER, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT. NOTIFY PROJECT CONSTRUCTION MANAGER IF ANY UNSUITABLE SOILS ARE FOUND.
10. FOLLOWING GRADING OF SUBSOIL TO SUBGRADE ELEVATIONS THE CONTRACTOR SHALL PLACE TOPSOIL TO A 6" DEPTH (UNLESS OTHERWISE SPECIFIED IN LANDSCAPING DETAILS) IN ALL DISTURBED AREAS WHICH ARE NOT TO BE PAVED. SMOOTHLY FINISH GRADE TO MEET SURROUNDING LAWN AREAS AND ENSURE POSITIVE DRAINAGE. STOCKPILED TOPSOIL SHALL BE SCREENED PRIOR TO RESPREADING. TOPSOIL SHALL BE FREE OF SUBSOIL, DEBRIS, BRUSH AND STONES LARGER THAN 1" IN ANY DIMENSION. ROCK HOUNDING IN PLACE WILL NOT BE PERMITTED. ALL EXCESS TOPSOIL SHALL BE LEGALLY DISPOSED OF OFF SITE.
11. ELEVATIONS GIVEN ARE AT BOTTOM FACE OF CURB AND/OR FINISHED PAVEMENT GRADE UNLESS OTHERWISE SPECIFIED ON GRADING PLAN. ALL PAVEMENT SHALL BE LAID ON A STRAIGHT, EVEN, AND UNIFORM GRADE WITH A MINIMUM OF 1% SLOPE TOWARD THE COLLECTION POINTS UNLESS OTHERWISE SPECIFIED ON THE GRADING PLAN. DO NOT ALLOW NEGATIVE GRADES OR PONDING OF WATER.
12. SLOPE BUILDING SIDEWALK AWAY FROM THE BUILDING AT A MAXIMUM OF 1.5% (UNLESS OTHERWISE INDICATED ON THE GRADING PLAN).
13. WHEN CONSTRUCTING ASPHALTIC CONCRETE PAVEMENTS, CONTRACTOR SHALL PROVIDE BUTT END JOINT TO MEET EXISTING PAVEMENT IN ELEVATION AT DRIVE RETURNS AND ENSURE POSITIVE DRAINAGE.
14. ADA GRADING NOTES:
14.1. MAX. CONSTRUCTED WALK CROSS SLOPE SHALL NOT BE MORE THAN 2.0%.
14.2. MAX. CONSTRUCTED WALK RUNNING SLOPE SHALL NOT BE MORE THAN 5.0%.
14.3. MAX. CONSTRUCTED CURB RAMP RUNNING SLOPE SHALL NOT BE MORE THAN 8.3%.
14.4. MAX. CONSTRUCTED SLOPE IN ANY DIRECTION WITHIN ADA PARKING, RAMP LANDINGS, AND LOADING AREAS SHALL NOT BE MORE THAN 2.0%.
14.5. CONTRACTOR SHALL VERIFY ALL GRADES IN ADA AREAS PRIOR TO CONSTRUCTION AND NOTIFY THE CONSTRUCTION/PROJECT MANAGER IF THEY DONT MEET ABOVE REQUIREMENTS.
14.6. ANY CONSTRUCTED AREAS WITH SLOPES MORE THAN CODE ALLOWABLE WILL NOT BE ACCEPTED AND WILL REQUIRE THE CONTRACTOR TO REMOVE AND REPLACE AT NO ADDITIONAL COST TO THE PROJECT IN ORDER TO BE IN ACCORDANCE WITH CURRENT ADA REQUIREMENT.
14.7. GAPS OR OPENINGS ALONG THE ACCESSIBLE ROUTE MUST NOT EXCEED 1/2 INCH WIDTH, PERPENDICULAR TO THE PREDOMINATE FLOW OF PEDESTRIAN TRAFFIC.
14.8. CONTRACTOR SHALL ENSURE ALL ADA ACCESSIBLE PATHWAYS DO NOT EXCEED 1/4 INCH IN VERTICAL DIFFERENCE PER ADA REQUIREMENTS.

GENERAL UTILITY NOTES

- 1. WHERE PLANS PROVIDE FOR PROPOSED WORK TO BE CONNECTED TO, OR CROSS OVER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING THE PROPOSED WORK. IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE RESULTS IN A CHANGE IN THE PLAN, THE CONSTRUCTION MANAGER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED WORK WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY. PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT ITEM.
2. UTILITY SERVICE PROVIDERS RULES AND REQUIREMENTS TAKE PRECEDENCE OVER INFORMATION HEREIN. IF DISCREPANCY ARISES, CONTRACTOR SHALL FULLY COORDINATE WITH UTILITY SERVICE PROVIDER PRIOR TO START OF CONSTRUCTION.
3. CONTRACTOR SHALL ADJUST ALL UTILITIES TO PROPOSED GRADE, INCLUDING THOSE THAT MAY NOT BE SHOWN HEREIN. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO PROPOSED IMPROVEMENTS.

EXISTING GENERAL LEGEND

Legend table with symbols and descriptions: EXISTING LIGHT POLE, EXISTING POWER & TELEPHONE POLE, EXISTING UNKNOWN POLE, EXISTING TRANSFORMER, EXISTING ELECTRIC PULLBOX, EXISTING CATCH BASIN, EXISTING CURB INLET, EXISTING DOWN SPOUT, EXISTING UNKNOWN MANHOLE, EXISTING WATER METER, EXISTING WATER VALVE, EXISTING WATER MANHOLE, EXISTING TELEPHONE PEDESTAL, EXISTING TELEPHONE MANHOLE, EXISTING POST OR BOLLARD, EXISTING SIGN, EXISTING CLEANOUT, EXISTING GUY WIRE, EXISTING MONITORING WELL, EXISTING SOIL BORING, EXISTING BUILDING/STRUCTURE, EXISTING CURB, EXISTING CURB & GUTTER, EXISTING BUSH, EXISTING DECIDUOUS TREE, EXISTING CONTOUR, EXISTING PAINTED ADA SYMBOL, EXISTING DIRECTIONAL PAVEMENT MARKINGS, EXISTING TRANSVERSE STRIPING, EXISTING CROSSWALK STRIPING.

PROPOSED GENERAL LEGEND

Legend table with symbols and descriptions: PROPOSED EDGE OF PAVEMENT, PROPOSED CURB, PROPOSED TRAFFIC SIGN, PROPOSED TRANSVERSE STRIPING.

GPD GROUP logo and Cleveland Heights City School District logo.

Table with columns: DESCRIPTION, DATE, REV.

Professional Engineer seal for Leonardo A. Sferra, E-71842, State of Ohio, dated 09/20/24.

CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS PAVEMENT MAINTENANCE PLANS GENERAL NOTES

Table with columns: ISSUED FOR, PERMIT, BID, CONSTRUCTION, RECORD.

Table with columns: PROJECT MANAGER, DESIGNER.

JOB NO. 2024086.01

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SWPP NOTES

- ALL WORK SPECIFIED AS AN OHIO DEPARTMENT OF TRANSPORTATION ITEM SHALL BE GOVERNED BY THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS AS WELL AS THE CURRENT EDITION OF THE LOCAL JURISDICTION STORM WATER MANAGEMENT MANUAL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO POSSESS AND TO BE FAMILIAR WITH APPLICABLE SECTIONS.
- THESE CONTRACT DRAWING SHALL BE MADE AVAILABLE ON SITE AT ALL TIMES AND PRESENTED UPON REQUEST. IF UNFORESEEN STORM WATER POLLUTION IS ENCOUNTERED, ADDITIONAL STORM WATER POLLUTION PREVENTION (SWPP) MEASURES SHALL BE IMPLEMENTED TO MANAGE THE CURRENT SITE CONDITIONS WHICH MAY BE REQUESTED BY THE OWNER, PROJECT ENGINEER OR SOIL AND WATER CONSERVATION SERVICE REPRESENTATIVE AT ANYTIME. SUCH REQUESTS AND CHANGE IN SITE CONDITIONS SHALL BE IMPLEMENTED IMMEDIATELY AT CONTRACTOR'S EXPENSE.
- ALL STORM WATER POLLUTION PREVENTION PRACTICES SHALL BE INSTALLED BEFORE ANY OTHER EARTH MOVING OR CONSTRUCTION ACTIVITIES OCCURS.
- PLANT TEMPORARY SEEDING AND MULCHING IN ALL AREAS THAT SHALL BE INACTIVE FOR 14 DAYS OR MORE. ALL DISTURBED AND ERODED EARTH SHALL BE REGRADED AND SEEDED WITHIN 7 DAYS WITH SEEDING, AS DEFINED ON THE TEMPORARY SEEDING TABLE WITHIN THESE PLANS, TO ESTABLISH STABILITY AND PROVIDE SEDIMENT CONTROL. WHERE POSSIBLE, TEMPORARY SEEDING GROWTH SHALL NOT BE MOWED UNTIL IT HAS GONE TO SEED FOR 1 YEAR.
- PERMANENT VEGETATION SHALL BE INSTALLED WITHIN 7 DAYS AT THE COMPLETION OF ANY GRADED AREAS, WEATHER PERMITTING.
- SEDIMENT BARRIERS: SEDIMENT BARRIERS SHALL BE INSTALLED DOWNSLOPE OF DISTURBED AREAS AND AS SHOWN. HEREIN, SEDIMENT BARRIERS SHALL BE INSTALLED ALONG LEVEL CONTOURS, MAXIMUM CONTRIBUTING DRAINAGE AREA TO SEDIMENT BARRIERS SHALL BE PER THE OHIO EPA, COMPOSITE FILTER SOCKS USED IN LIEU OF SILT FENCE SHALL BE A MINIMUM OF 12 INCHES IN DIAMETER.
- PRIOR TO THE TIME THAT DRAINAGE DIVERTS TO INLETS, INLET SEDIMENT FILTERS SHALL BE INSTALLED AT ALL INLET STRUCTURES TO KEEP PIPING SYSTEMS FREE OF SILTATION.
- SILT BARRIERS SHALL BE INSTALLED AROUND ALL EXISTING AND NEW STORM INLETS, CATCH BASINS, YARD DRAINS.
- CONTRACTOR SHALL INSPECT ALL SWPP MEASURES DAILY AND LOGGED BY THE CONTRACTOR FOR INSPECTION. LOGGING SHALL BE WEEKLY AND AFTER EVERY 1/2" RAINFALL EVENT. REPAIR AS NECESSARY TO PREVENT EROSION. SILTATION SHALL BE REMOVED FROM AREAS WHERE FAILURES HAVE OCCURRED AND CORRECTIVE ACTION TAKEN WITHIN 24 HOURS TO MAINTAIN ALL SWPP.
- SILT BARRIERS SHALL REMAIN IN PLACE UNTIL PAVING OPERATIONS ARE COMPLETE. CONTRACTOR SHALL KEEP SILT FROM ENTERING ANY STORM DRAINAGE SYSTEM. ONCE SITE HAS BEEN COMPLETELY STABILIZED, ANY SILT IN PIPES AND DRAINAGE SWALES SHALL BE REMOVED WITHIN 10 DAYS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL SEDIMENTATION AND STORM WATER POLLUTION PREVENTION ITEMS AT ALL TIMES.
- DUST CONTROL SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. OIL IS NOT TO BE USED AS A DUST SUPPRESSANT.
- ANY DISCHARGE OF PETROLEUM OR PETROLEUM PRODUCTS OF LESS THAN 25 GALLONS ONTO A PERVIOUS SURFACE SHALL BE LEGALLY REMOVED AND PROPERLY TREATED OR PROPERLY DISPOSED OF, OR OTHERWISE REMEDIATED, SO THAT NO CONTAMINATION FROM THE DISCHARGE REMAINS ON-SITE.
- IN THE EVENT OF A LARGE PETROLEUM SPILL (25 OR MORE GALLONS) CONTRACTOR MUST CONTACT THE OHIO EPA, THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE (LEPC) WITHIN 30 MINUTES OF A SPILL OF 25 OR MORE GALLONS.
- CONCRETE WASHOUT SHALL NOT BE COMPLETED ON-SITE.
- IF ENCOUNTERED DURING SITE REDEVELOPMENT, ANY OIL/GAS WELLS OR MINE SHAFTS MUST BE PROPERLY ABANDONED, VAULTED AND VENTED IN ACCORDANCE WITH CURRENT REGULATIONS AND SPECIFICATIONS OF ALL GOVERNING AUTHORITIES
- IF, FOR ANY REASON, THE PROJECT IS SUSPENDED, THE CONTRACTOR SHALL INSURE THAT ALL INSTALLED EROSION MEASURES ARE FUNCTIONING AND PROPERLY MAINTAINED DURING THIS PERIOD, AND THAT ALL BARE SOILS ARE SEEDED AND MULCHED WITH TEMPORARY SEED MIXTURE.
- THE FOLLOWING STORM WATER POLLUTION PREVENTION AND SEDIMENT CONTROL MEASURES WHICH WILL BE USED ON THIS SITE INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:
 - INLET PROTECTION
 - COMPOST FILTER SOCK

INSPECTION NOTES

- CONTRACTOR SHALL INSPECT ALL SWPP MEASURES DAILY. CONTRACTOR'S INSPECTOR SHALL BE A QUALIFIED INDIVIDUAL. SITE INSPECTIONS SHALL BE LOGGED WEEKLY AND WITHIN 24 HOURS AFTER EVERY RAINFALL EVENT EXCEEDING 1/2" OF RAINFALL. ALL NECESSARY REPAIRS SHOULD BE IMPLEMENTED IMMEDIATELY AFTER SUCH INSPECTIONS.
- CONTRACTOR'S INSPECTOR SHALL BE RESPONSIBLE FOR PREPARING AND SIGNING WEEKLY AND ALL INTERMEDIATE EROSION CONTROL INSPECTION REPORTS AFTER EVERY INSPECTION, WHICH INCLUDE BUT NOT LIMITED TO (DISTURBED AREAS, MATERIAL STORAGE AREAS, EROSION AND SEDIMENT CONTROLS, DISCHARGE LOCATIONS AND VEHICLE ENTRANCE/EXIT LOCATIONS). SUCH REPORTS SHALL BE MADE AVAILABLE TO OWNER, ENGINEER AND CITY / STATE OFFICIALS UPON THEIR REQUEST.
- REPORTS SHALL BE KEPT FOR 3 YEARS AFTER TERMINATION OF THE CONSTRUCTION ACTIVITIES.
- CONTRACTOR MAY SUBMIT A WAIVER REQUEST TO THE LOCAL AND STATE GOVERNING AUTHORITIES FOR A REDUCTION TO MONTHLY INSPECTIONS IF THE SITE WILL BE STABILIZED AND DORMANT FOR A LONG PERIOD, AND/OR THE RUNOFF IS UNLIKELY DUE TO WEATHER CONDITIONS FOR AN EXTENDED PERIOD OF TIME (FROZEN GROUND).
- FOR BMPs THAT REQUIRE REPAIR OR MAINTENANCE - NON SEDIMENT POND BMPs ARE TO BE REPAIRED WITHIN 3 DAYS OF INSPECTION AND SEDIMENT PONDS ARE TO BE REPAIRED OR CLEANED OUT WITHIN 10 DAYS OF INSPECTION.
- FOR BMPs THAT DO NOT MEET THE INTENDED FUNCTION, A NEW BMP SHALL BE INSTALLED WITHIN 10 DAYS OF THE INSPECTION.
- FOR MISSING BMPs REQUIRED, THE MISSING BMPs SHALL BE INSTALLED WITHIN 10 DAYS OF THE INSPECTION.

ADDITIONAL CONSTRUCTION SITE POLLUTION CONTROLS

- CONSTRUCTION PERSONNEL, INCLUDING SUBCONTRACTORS WHO MAY USE OR HANDLE HAZARDOUS OR TOXIC MATERIALS, SHALL BE MADE AWARE OF THE FOLLOWING GENERAL GUIDELINES REGARDING DISPOSAL AND HANDLING OF HAZARDOUS AND CONSTRUCTION WASTES:
 - PREVENT SPILLS
 - USE PRODUCTS UP
 - FOLLOW LABEL DIRECTIONS FOR DISPOSAL
 - REMOVE LIDS FROM EMPTY BOTTLES AND CANS WHEN DISPOSING IN TRASH
 - RECYCLE WASTES WHENEVER POSSIBLE
 - DONT POUR INTO WATERWAYS, STORM DRAINS OR ONTO THE GROUND
 - DONT POUR DOWN THE SINK, DOOR DRAIN OR SEPTIC TANKS
 - DONT BURY CHEMICALS OR CONTAINERS
 - DONT BURN CHEMICALS OR CONTAINERS
 - DONT MIX CHEMICALS TOGETHER
- CONTAINERS SHALL BE PROVIDED FOR THE PROPER COLLECTION OF ALL WASTE MATERIAL INCLUDING CONSTRUCTION DEBRIS, TRASH, PETROLEUM PRODUCTS AND ANY HAZARDOUS MATERIALS USED ON-SITE. CONTAINERS SHALL BE COVERED AND NOT LEAKING. ALL WASTE MATERIAL SHALL BE DISPOSED OF AT FACILITIES APPROVED FOR THAT MATERIAL. CONSTRUCTION DEMOLITION AND DEBRIS (CD&D) WASTE MUST BE DISPOSED OF AT THE OHIO EPA APPROVED CD&D LAND FILL.
- NO CONSTRUCTION RELATED WASTE MATERIALS ARE TO BE BURIED ON-SITE.
- HANDLING CONSTRUCTION CHEMICALS : MIXING, PUMPING, TRANSFERRING OR OTHER HANDLING OF CONSTRUCTION CHEMICALS SUCH AS FERTILIZER, LIME, ASPHALT, CONCRETE DRYING COMPOUNDS, AND ALL OTHER POTENTIALLY HAZARDOUS MATERIALS SHALL BE PERFORMED IN AN AREA AWAY FROM ANY WATERCOURSE, DITCH OR STORM DRAIN.
- EQUIPMENT FUELING AND MAINTENANCE, OIL CHANGING, ETC., SHALL BE PERFORMED AWAY FROM WATERCOURSES, DITCHES OR STORM DRAINS, IN AN AREA DESIGNATED FOR THAT PURPOSE. THE DESIGNATED AREA SHALL BE EQUIPPED FOR RECYCLING OIL AND CATCHING SPILLS. SECONDARY CONTAINMENT SHALL BE PROVIDED FOR ALL FUEL OIL STORAGE TANKS. THESE AREAS MUST BE INSPECTED EVERY SEVEN DAYS AND WITHIN 24 HRS. OF A 0.5 INCH OR GREATER RAIN EVENT TO ENSURE THERE ARE NO EXPOSED MATERIALS WHICH WOULD CONTAMINATE STORM WATER. SITE OPERATORS MUST BE AWARE THAT SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) REQUIREMENTS MAY APPLY. AN SPCC PLAN IS REQUIRED FOR SITES WITH ONE SINGLE ABOVE GROUND TANK OF 660 GALLONS OR MORE, ACCUMULATIVE ABOVE GROUND STORAGE OF 1330 GALLONS OR MORE, OR 42,000 GALLONS OF UNDERGROUND STORAGE. CONTAMINATED SOILS MUST BE DISPOSED OF IN ACCORDANCE WITH ITEM 8.
- SPILL REPORTING REQUIREMENTS : SPILLS ON PAVEMENT SHALL BE ABSORBED WITH SAWDUST OR KITTY LITTER AND DISPOSED OF WITH THE TRASH AT A LICENSED SANITARY LAND FILL. HAZARDOUS OR INDUSTRIAL WASTES SUCH AS MOST SOLVENTS, GASOLINE, OIL-BASED PAINTS, AND CEMENT CURING COMPOUNDS REQUIRE SPECIAL HANDLING. SPILLS SHALL BE REPORTED TO THE OHIO EPA, SPILLS OF 25 GALLONS OR MORE OF PETROLEUM PRODUCTS SHALL BE REPORTED TO THE OHIO EPA, THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MINUTES OF THE DISCOVERY OF THE RELEASE. ALL SPILLS WHICH CONTACT WATERS OF THE STATE MUST BE REPORTED TO THE OHIO EPA.
- CONTAMINATED SOILS : IF SUBSTANCES SUCH AS OIL, DIESEL FUEL, HYDRAULIC FLUID, ANTIFREEZE, ETC. ARE SPILLED, LEAKED, OR RELEASED ONTO THE SOIL, THE SOIL SHOULD BE DUG UP AND DISPOSED OF AT LICENSED SANITARY LAND FILL OR OTHER APPROVED PETROLEUM CONTAMINATED SOIL REMEDIATION FACILITY (NOT A CONSTRUCTION/DEMOLITION DEBRIS LAND FILL). NOTE THOSE STORM WATER RUNOFFS ASSOCIATED WITH CONTAMINATED SOILS ARE NOT BE AUTHORIZED UNDER THE OHIO EPA GENERAL STORM WATER PERMIT ASSOCIATED WITH CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL TAKE PREVENTIVE MEASURES FOR DISCHARGE OF CONTAMINATED SOILS.
 - THE USE OF BERMS, TRENCHES, AND PITS TO COLLECT CONTAMINATED RUNOFF AND PREVENT DISCHARGES.
 - PUMPING RUNOFF INTO A SANITARY SEWER (WITH PRIOR WRITTEN APPROVAL OF THE SANITARY SEWER SERVICE OPERATOR) OR INTO A CONTAINER FOR TRANSPORT TO AN APPROPRIATE TREATMENT/DISPOSAL FACILITY.
 - COVERING AREAS OF CONTAMINATION WITH TARPS OR OTHER METHODS THAT PREVENT STORMWATER FROM COMING INTO CONTACT WITH CONTAMINATED MATERIALS.
 - DUST CONTROL OR DUST SUPPRESSANTS SHALL BE USED TO PREVENT NUISANCE CONDITIONS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND IN A MANNER, WHICH PREVENT A DISCHARGE TO WATERS OF THE STATE. SUFFICIENT DISTANCE MUST BE PROVIDED BETWEEN APPLICATIONS AND NEARBY BRIDGES, CATCH BASINS, AND OTHER WATERWAYS. APPLICATION (EXCLUDING WATER) MAY NOT OCCUR WHEN RAIN IS IMMINENT AS NOTED IN THE SHORT TERM FORECAST. USED OIL MAY NOT BE APPLIED FOR DUST CONTROL.
- PROCESS WASTE WATER/LEACHATE MANAGEMENT : EPA'S CONSTRUCTION GENERAL PERMIT ONLY ALLOWS THE DISCHARGE OF STORM WATER AND DOES NOT INCLUDE OTHER WASTE STREAMS/DISCHARGES SUCH AS VEHICLE AND/OR EQUIPMENT WASHING, ON-SITE SEPTIC LEACHATE CONCRETE WASH OUTS, WHICH ARE CONSIDERED PROCESS WASTEWATERS. ALL PROCESS WASTEWATERS MUST BE COLLECTED AND PROPERLY DISPOSED AT AN APPROVED DISPOSAL FACILITY. IN THE EVENT, LEACHATE OR SEPTAGE IS DISCHARGED; IT MUST BE ISOLATED FOR COLLECTION AND PROPER DISPOSAL AND CORRECTIVE ACTIONS TAKEN TO ELIMINATE THE SOURCE OF WASTE WATER.
- WASTES GENERATED BY CONSTRUCTION ACTIVITIES (I.E. CONSTRUCTION MATERIALS SUCH AS PAINTS, SOLVENTS, FUELS, CONCRETE, WOOD, ETC) MUST BE DISPOSED OF IN ACCORDANCE WITH LOCAL REGULATIONS. HAZARDOUS AND TOXIC SUBSTANCES ARE USED ON VIRTUALLY ALL CONSTRUCTION SITES. GOOD MANAGEMENT OF THESE SUBSTANCES IS ALWAYS NEEDED.

TEMPORARY SEEDING

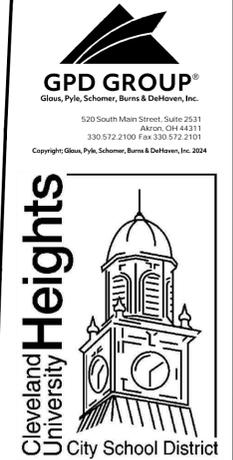
- STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS AND SEDIMENT TRAPS SHALL BE INSTALLED AND STABILIZED WITH TEMPORARY SEEDING PRIOR TO GRADING THE REST OF THE CONSTRUCTION SITE.
 - TEMPORARY SEEDING / STABILIZATION SHALL BE APPLIED WITHIN THE FOLLOWING TIME FRAMES FOR VARIOUS AREAS OF THE SITE:
 - ANY DISTURBED AREA WITHIN 50 FEET OF A WATERCOURSE AND NOT AT FINAL GRADE SHALL BE SEEDDED AND MULCHED WITHIN 2 DAYS OF THE MOST RECENT DISTURBANCE, IF THAT AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS.
 - ALL CONSTRUCTION ACTIVITIES IN ANY DISTURBED AREA, INCLUDING SOIL STOCKPILES THAT WILL BE IDLE FOR MORE THAN 14 DAYS BUT LESS THAN ONE YEAR, AND NOT WITHIN 50 FEET OF A WATERCOURSE SHALL BE SEEDDED AND MULCHED WITHIN 7 DAYS OF THE MOST RECENT DISTURBANCE IN THE AREA.
 - DISTURBED AREAS THAT WILL BE IDLE OVER THE WINTER SHALL BE SEEDDED AND MULCHED PRIOR TO NOVEMBER 1.
 - THE SEED BED SHOULD BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION. TEMPORARY SEEDING SHOULD NOT BE POSTPONED IF IDEAL SEED BED PREPARATION IS NOT POSSIBLE.
 - TEMPORARY VEGETATION SEEDING RATES SHALL ESTABLISH ADEQUATE STANDS OF VEGETATION, WHICH MAY REQUIRE USE OF SOIL AMENDMENTS, BASE RATES FOR LIME AND FERTILIZER SHALL BE USED.
 - ALL SEED MIXES AND SEEDING RATES USED SHALL BE APPROVED BY THE LOCAL GOVERNING AUTHORITY AND THE OWNER.
 - SEED SHALL BE APPLIED UNIFORMLY WITH A CYCLONE SPREADER, DRILL, CULTIPACKER, SEEDER, OR HYDROSEEDER, WHEN FEASIBLE, SEED THAT HAS BEEN BROADCAST SHALL BE COVERED BY RAKING OR DRAGGING AND THEN LIGHTLY TAMPED INTO PLACE USING A ROLLER OR CULTIPACKER. IF HYDROSEEDING IS USED, THE SEED AND FERTILIZER WILL BE MIXED ON-SITE AND THE SEEDING SHALL BE DONE IMMEDIATELY AND WITHOUT INTERRUPTION.
 - APPLICATIONS OF TEMPORARY SEEDING SHALL INCLUDE MULCH, WHICH SHALL BE APPLIED DURING OR IMMEDIATELY AFTER SEEDING. SEEDINGS MADE DURING OPTIMUM SEEDING DATES ON FAVORABLE, VERY FLAT SOIL CONDITIONS MAY NOT NEED MULCH TO ACHIEVE ADEQUATE STABILIZATION. IF MULCH IS USED, FOLLOW THE REQUIREMENTS AND INSTRUCTIONS IN THE MULCH APPLICATION.
- MULCH**
- MULCH AND OTHER APPROPRIATE VEGETATIVE PRACTICES SHALL BE APPLIED TO DISTURBED AREAS WITHIN 7 DAYS OF GRADING IF THE AREA IS TO REMAIN DORMANT (UNDISTURBED) FOR MORE THAN 21 DAYS OR ON AREAS AND PORTIONS OF THE SITE WHICH CAN BE BROUGHT TO FINAL GRADE.
 - MULCH SHALL CONSIST OF ONE OF THE FOLLOWING:
 - STRAW SHALL BE UNROTTED SMALL GRAIN STRAW APPLIED AT THE RATE OF 2 TONS/AC. OR 90 LB./1,000 SQ. FT. (TWO TO THREE BALES) THE STRAW MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THE SOIL SURFACE IS COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQ. FT. SECTIONS AND PLACE TWO 45-LB BALES OF STRAW IN EACH SECTION.
 - WOOD CELLULOSE FIBER SHOULD BE USED AT 2,000 LB/AC. OR 46 LB/1,000 SQ. FT.
 - ACCEPTABLE MULCHES INCLUDE MULCH MATTINGS AND ROLLED EROSION CONTROL PRODUCTS APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD MULCH/CHIPS APPLIED AT 10-20 TONS/AC.
 - MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR RUNOFF. THE FOLLOWING ARE ACCEPTABLE METHODS FOR ANCHORING MULCH.
 - USE A DISK, CRIMPER, OR SIMILAR TYPE TOOL SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT BE LEFT GENERALLY LONGER THAN 6 INCHES.
 - USE MULCH NETTINGS ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, FOLLOWING ALL PLACEMENT AND ANCHORING REQUIREMENTS. USE IN AREAS OF WATER CONCENTRATION AND STEEP SLOPES TO HOLD MULCH IN PLACE.
 - FOR STRAW MULCH, SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRI-TAC), DCA-70, PETROSET, TERRA TACK OR EQUAL MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER. ALL APPLICATIONS OF SYNTHETIC BINDERS MUST BE CONDUCTED IN SUCH A MANNER WHERE THERE IS NO CONTACT WITH WATERS OF THE STATE.
 - WOOD CELLULOSE FIBER MAY BE USED FOR ANCHORING STRAW. THE FIBER BINDER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 LB/AC. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB/100 GAL. OF WOOD CELLULOSE FIBER.

DUST CONTROL NOTES

- DUST CONTROL SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. IF POSSIBLE GRADING SHALL BE DONE BY PHASING IN ORDER TO MINIMIZE THE AMOUNT OF LAND DISTURBANCE AT ONE TIME. IF PHASING IS NOT AN OPTION, DUST SHALL BE CONTROLLED WITH WATER DURING EARTHWORK OPERATIONS. AFTER EARTHWORK OPERATIONS, THE EXPOSED SOILS SHALL BE COVERED WITH STRAW OR MULCH UNTIL SEEDED.
- DUST CONTROL OR DUST SUPPRESSANTS MAY BE USED TO PREVENT NUISANCE CONDITIONS WHEN APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION. WHEN USED, SUPPRESSANTS SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND IN A MANNER, WHICH PREVENTS A DISCHARGE TO WATERS OF THE STATE. SUFFICIENT DISTANCE MUST BE PROVIDED BETWEEN APPLICATIONS AND NEARBY BRIDGES, CATCH BASINS, AND OTHER WATERWAYS. APPLICATION (EXCLUDING WATER) MAY NOT OCCUR WHEN RAIN IS IMMINENT AS NOTED IN THE SHORT TERM FORECAST. OIL MAY NOT BE APPLIED FOR DUST CONTROL.
- SUGGESTED METHODS OF CONSTRUCTION DUST CONTROL MAY INCLUDE THE FOLLOWING:
 - CONSTRUCTION SEQUENCING AND DISTURBING ONLY SMALL AREAS AT A TIME CAN GREATLY REDUCE PROBLEMATIC DUST FROM THE SITE. IF LAND MUST BE DISTURBED, ADDITIONAL TEMPORARY STABILIZATION MEASURES SHOULD BE CONSIDERED PRIOR TO DISTURBANCES.
 - APPLY TEMPORARY OR PERMANENT SEEDING AND MULCH TO AREAS THAT WILL REMAIN IDLE FOR OVER 14 DAYS. SAVING EXISTING TREES AND LARGE SHRUBS WILL ALSO REDUCE SOIL AND AIR MOVEMENT ACROSS DISTURBED AREAS.
 - SPRAY DISTURBED SITE WITH WATER UNTIL THE SURFACE IS WET BEFORE AND DURING GRADING AND REPEAT AS NEEDED, ESPECIALLY ON HAUL ROADS AND OTHER HEAVY TRAFFIC ROUTES. WATERING SHALL BE DONE AT A RATE THAT PREVENTS DUST BUT DOES NOT CAUSE SOIL EROSION. WETTING AGENTS MAY BE UTILIZED ACCORDING TO MANUFACTURERS INSTRUCTIONS.
 - GRADED ROADWAYS AND OTHER SUITABLE AREAS MAY BE STABILIZED USING CRUSHED STONE OR COARSE GRAVEL AS SOON AS PRACTICABLE AFTER REACHING AN INTERIM OR FINAL GRADE. CRUSHED STONE OR COARSE GRAVEL CAN BE USED AS A PERMANENT COVER TO PROVIDE CONTROL OF SOIL EMISSIONS.
 - EXISTING WINDBREAK VEGETATION SHALL BE MARKED AND PRESERVED TO THE EXTENT POSSIBLE. SNOW FENCING OR OTHER SUITABLE BARRIER MAY BE PLACED PERPENDICULAR TO PREVAILING AIR CURRENTS AT INTERVALS OF ABOUT 15 TIMES THE BARRIER HEIGHTS TO CONTROL AIR CURRENTS AND BLOWING SOIL.
 - WHEN TEMPORARY DUST CONTROL MEASURES ARE USED; REPETITIVE TREATMENT SHOULD BE APPLIED AS NEED TO ACCOMPLISH SATISFACTORY CONTROL.
 - PAVED AREAS THAT HAVE ACCUMULATED SEDIMENT FROM CONSTRUCTION SHOULD BE CLEANED DAILY, OR AS NEEDED, UTILIZING A STREET SWEEPER OR BUCKET-TYPE ENDLOADER OR SCRAPER.

PERMANENT SEEDING

- SUBSOILER, PLOW, OR OTHER IMPLEMENT SHALL BE USED TO REDUCE SOIL COMPACTION AND ALLOW MAXIMUM INFILTRATION. (MAXIMUM INFILTRATION WILL HELP CONTROL BOTH RUNOFF RATE AND WATER QUALITY.) SUBSOILING SHOULD BE DONE WHEN THE SOIL MOISTURE IS LOW ENOUGH TO ALLOW THE SOIL TO CRACK OR FRACTURE. SUBSOILING SHALL NOT BE DONE ON SLIP-PRONE AREAS WHERE SOIL PREPARATION SHOULD BE LIMITED TO WHAT IS NECESSARY FOR ESTABLISHING VEGETATION.
- THE SITE SHALL BE GRADED AS NEEDED TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION AND SEEDING.
- TOPSOIL SHALL BE APPLIED WHERE NEEDED TO ESTABLISH VEGETATION.
- AGRICULTURAL GROUND LIMESTONE SHALL BE APPLIED TO ACID SOIL AS RECOMMENDED BY A SOIL TEST. IN LIEU OF A SOIL TEST, LIME SHALL BE APPLIED AT THE RATE OF 100 POUNDS PER 1,000 SQ. FT. OR 2 TONS PER ACRE.
- FERTILIZER SHALL BE APPLIED AS RECOMMENDED BY A SOIL TEST. IN PLACE OF A SOIL TEST, FERTILIZER SHALL BE APPLIED AT A RATE OF 25 POUNDS PER 1,000 SQ. FT. OR 1,000 POUNDS PER ACRE OF A 10-10-10 OR 12-12-12 ANALYSES.
- THE LIME AND FERTILIZER SHALL BE WORKED INTO THE SOIL WITH A DISK HARROW, SPRING-TOOTH HARROW, OR OTHER SUITABLE FIELD IMPLEMENT TO A DEPTH OF 3 INCHES. ON SLOPING LAND, THE SOIL SHALL BE WORKED ON THE CONTOUR.
- ALL SEED MIXES AND SEEDING RATES USED SHALL BE APPROVED BY THE LOCAL GOVERNING AUTHORITY AND THE OWNER.
- SEEDING SHOULD BE DONE MARCH 1 TO MAY 31 OR AUGUST 1 TO SEPTEMBER 30. IF SEEDING OCCURS OUTSIDE OF THE ABOVE-SPECIFIED DATES, ADDITIONAL MULCH AND IRRIGATION MAY BE REQUIRED TO ENSURE A MINIMUM OF 80% GERMINATION. TILLAGE FOR SEEDBED PREPARATION SHOULD BE DONE WHEN THE SOIL IS DRY ENOUGH TO CRUMBLE AND NOT FORM RIBBONS WHEN COMPRESSED BY HAND. FOR WINTER SEEDING, SEE THE FOLLOWING SECTION ON DORMANT SEEDING.
- SEEDING SHOULD NOT BE MADE FROM OCTOBER 1 THROUGH NOVEMBER 20. DURING THIS PERIOD, THE SEEDS ARE LIKELY TO GERMINATE BUT PROBABLY WILL NOT BE ABLE TO SURVIVE THE WINTER.
- THE FOLLOWING METHODS MAY BE USED FOR "DORMANT SEEDING":
 - FROM OCTOBER 1 THROUGH NOVEMBER 20, PREPARE THE SEEDBED, ADD THE REQUIRED AMOUNTS OF LIME AND FERTILIZER, THEN MULCH AND ANCHOR.
 - FROM NOVEMBER 20 THROUGH MARCH 15, WHEN SOIL CONDITIONS PERMIT, PREPARE THE SEEDBED, LIME AND FERTILIZE, APPLY THE SELECTED SEED MIXTURE, MULCH AND ANCHOR. INCREASE THE SEEDING RATES BY 50% FOR THIS TYPE OF SEEDING.
 - APPLY SEED UNIFORMLY WITH A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDRO-SEEDER (SLURRY MAY INCLUDE SEED AND FERTILIZER) ON A FIRM, MOIST SEEDBED.
 - WHERE FEASIBLE, EXCEPT WHEN A CULTIPACKER TYPE SEEDER IS USED, THE SEEDBED SHOULD BE FIRMED FOLLOWING SEEDING OPERATIONS WITH A CULTIPACKER, ROLLER, OR LIGHT DRAG. ON SLOPING LAND, SEEDING OPERATIONS SHOULD BE ON THE CONTOUR WHERE FEASIBLE.
- PERMANENT SEEDING SHALL INCLUDE IRRIGATION TO ESTABLISH VEGETATION DURING DRY WEATHER OR ON ADVERSE SITE CONDITIONS, WHICH REQUIRE ADEQUATE MOISTURE FOR SEED GERMINATION AND PLANT GROWTH. IRRIGATION SHALL BE MONITORED TO PREVENT EROSION AND DAMAGE TO SEEDED AREAS FROM EXCESSIVE RUNOFF.



REV.	DATE	DESCRIPTION



CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS
PAVEMENT MAINTENANCE PLANS

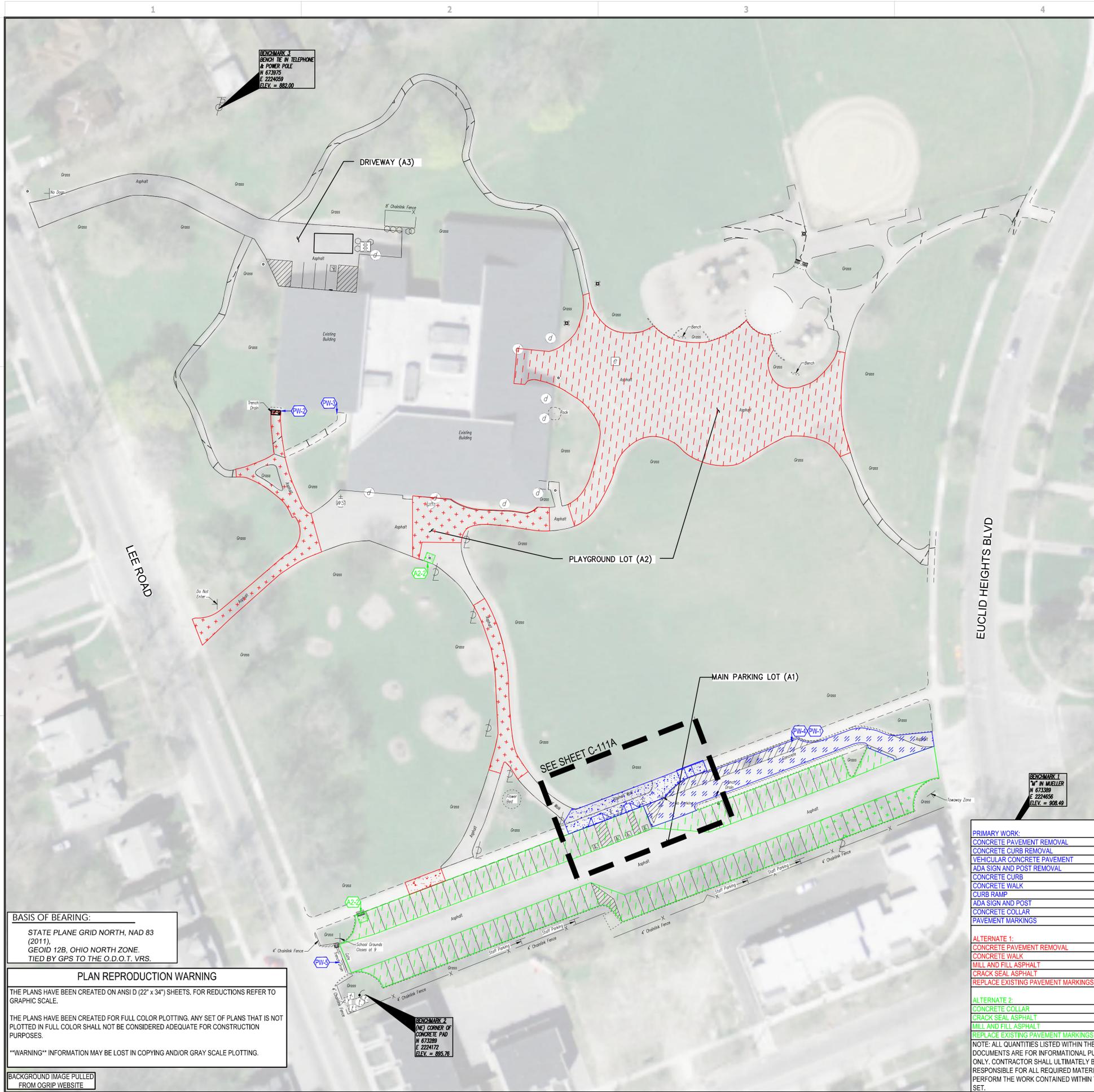
GENERAL NOTES

ISSUED FOR:	
PERMIT	XX/XX/XX
BID	XX/XX/XX
CONSTRUCTION	XX/XX/XX
RECORD	XX/XX/XX
PROJECT MANAGER	DESIGNER
KB	RD

JOB NO.
2024086.01

C-002

Drawing Name: C:\2024\2024086 CH-UH CS\0101 Sidewalks And Pmnt Program\Working Files\00_ (software Version Year)
 CAD\CSheets\2-C-111 - Boulevard.dwg
 September 20, 2024 6:29 AM - Peyerman



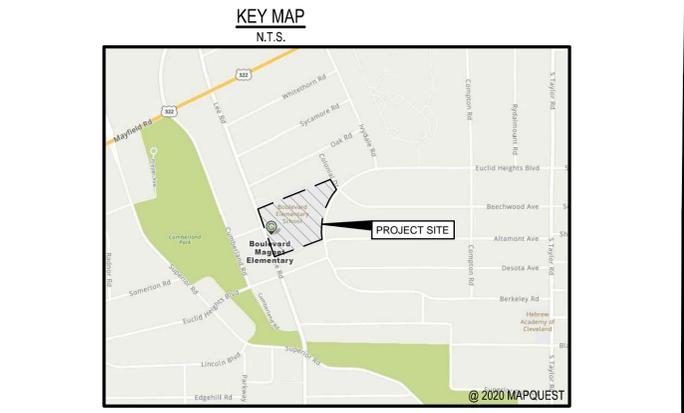
LEGEND
 (SEE SHEET C-001 FOR GENERAL LEGEND)

PLAN KEYNOTES

- PROPOSED TRANSVERSE STRIPING. SEE SHEET C-500.
- PROPOSED CONCRETE COLLAR. SEE SHEET C-500.
- PROPOSED INFILL HOLE WITH CONCRETE.
- CONCRETE PAVEMENT REPLACEMENT TO MATCH EXISTING SECTION THICKNESS, INCLUDING 4" OF ODOT 304 AGGREGATE BASE REPLACEMENT.
- ASPHALT PAVEMENT PATCH, MINIMUM 1.5" DEPTH WITH CLEAN SAWCUT/MILLED VERTICAL EDGES AROUND PREVIOUSLY INFILLED CONCRETE TRENCH.

LEGEND

- PRIMARY WORK CONSTRUCTION KEYNOTE
- ALTERNATE 1 CONSTRUCTION KEYNOTE
- ALTERNATE 2 CONSTRUCTION KEYNOTE
- PRIMARY WORK: PROPOSED FULL DEPTH CONCRETE PAVEMENT REPLACEMENT.
- PRIMARY WORK: PROPOSED VEHICULAR CONCRETE PAVEMENT.
- ALTERNATE 1: PROPOSED FULL DEPTH CONCRETE PAVEMENT REPLACEMENT.
- ALTERNATE 1: PROPOSED MILL AND FILL.
- ALTERNATE 1: PROPOSED CRACK SEAL. SEE GENERAL NOTES THIS SHEET.
- ALTERNATE 2: PROPOSED CRACK SEAL. SEE GENERAL SHEET NOTES THIS SHEET.
- ALTERNATE 2: PROPOSED MILL AND FILL.
- EXISTING TRANSVERSE STRIPING
- EXISTING PAINTED INTERNATIONAL ADA SYMBOL



GENERAL SHEET NOTES

- CONTRACTOR SHALL PERFORM A PRE-CONSTRUCTION VIDEO OF EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. THE PRE-CONSTRUCTION VIDEO SHALL BE AS DETAILED AS POSSIBLE. CONTRACTOR SHALL CLEAN, REPAIR, AND/OR REPLACE ALL FEATURES SOILED/CONTAMINATED, DAMAGED, AND/OR BROKEN AS A CAUSE OF CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST AND TO THE SATISFACTION OF THE FEATURES OWNER. OF PARTICULAR IMPORTANCE, PRE-CONSTRUCTION VIDEO SHOULD INCLUDE VIDEO OF ALL EXISTING PAVEMENT MARKINGS. THE PRE-CONSTRUCTION VIDEO SHALL BE MADE AVAILABLE TO THE OWNER.
- ALL EXISTING SITE AND SURROUNDING FEATURES SUCH AS UTILITIES, PAVEMENT, CURB, LANDSCAPING, BUILDING, FENCES, GUARDRAILS, ETC. SHALL REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION UNLESS NOTED OTHERWISE, OR REQUIRED TO BE MODIFIED, RELOCATED OR REMOVED FOR THE INSTALLATION OF PROPOSED IMPROVEMENTS. ALL DISTURBED FEATURES SHALL BE RESTORED OR RELOCATED AS REQUIRED TO THE SATISFACTION OF THE OWNER. CONTRACTOR SHALL REPAIR/REPLACE ANY SURROUNDING FEATURES DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST AND TO THE SATISFACTION OF THE OWNER.
- FOR THE IDENTIFIED AREAS, CONTRACTOR SHALL CRACK SEAL EXISTING ASPHALT COURSES PER ODOT 423. ALL CRACKS GREATER THAN 1/4 INCH SHALL BE PREFILLED AND FITTED WITH BACKER ROD. APPLY JOINT SEALER WHERE EXISTING ASPHALT ABUTS CONCRETE / CURB / PAVEMENT / BUILDING. FOR PROJECTS WITH CRACK SEAL/JOINT SEALER EXISTING PARKING LOT SHALL BE CLEANED AND SWEEP THOROUGHLY WHERE CRACK SEAL OR SURFACE SEALER TO BE APPLIED. CONTRACTOR SHALL UTILIZE THE APPROPRIATE CLEANING EQUIPMENT TO PREPARE EXISTING SURFACES FOR PROPOSED WORK IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. CONTRACTOR SHALL DISPOSE OF SEDIMENTS OFFSITE AT APPROPRIATE DISPOSAL FACILITY.
- CONTRACTOR SHALL PROVIDE PAVEMENT STRIPING AND MARKINGS TO MATCH EXISTING LAYOUT (WHEN STRIPING IS DISTURBED) AND IN ACCORDANCE WITH CURRENT REGULATORY REQUIREMENTS (2 COATS MINIMUM). PLAYGROUND MARKINGS ARE TO MATCH EXISTING CONDITIONS. CONTRACTOR SHALL COORDINATE WITH FACILITY DIRECTOR FOR APPROVED COLORS PRIOR TO PAINTING. FIRST COAT TO BE APPLIED UPON COMPLETION OF PAVING ACTIVITY AND THE SECOND COAT TO BE APPLIED 30 DAYS AFTER FIRST COAT APPLICATION. PAVEMENT MARKINGS WHITE ON ASPHALT, YELLOW ON CONCRETE, OR PER OWNERS DIRECTION, BLUE IS REQUIRED FOR ADA MARKINGS. SEE PAVEMENT MARKINGS AND NOTES, SHEET C-500.
- ALL PAVEMENT REPAIRS SHALL PROVIDE FOR POSITIVE DRAINAGE THROUGH AND AWAY FROM THE WORK AREAS TO THE NATURAL DRAINAGE PATHWAY/OUTFALL.
- PAVEMENT MARKING TOUCH-UP TO BE DONE WHERE MORE THAN 40% OF EXISTING LINE IS OBSCURED, INCLUDING PLAYGROUND MARKINGS.
- CONTRACTOR SHALL ENSURE PAVEMENT/WALKS/ETC. RESTORED WITHIN THE ADA PATHWAYS MAINTAIN PROPER SLOPES, ELEVATION CHANGES, GAPS, ETC. PER ADA REGULATIONS. REFER TO NOTES ON SHEET C-001 FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL REMOVE AND REPLACE ADDITIONAL WALK PANELS, ASPHALT PAVEMENT, ETC. TO PROVIDE SLOPE TRANSITIONS REQUIRED TO MEET ADA REQUIREMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE PROPOSED GRADING AND DESIGN INTENT CAN BE ACHIEVED. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER IMMEDIATELY IF PROPOSED DESIGN CANNOT BE ACHIEVED. NO ADDITIONAL COMPENSATION SHALL BE AWARDED IF SUCH NOTIFICATION HAS NOT BEEN COMPLETE. THIS PROJECT REQUIRES ADA COMPLIANCE. NO ADDITIONAL COMPENSATION SHALL BE AWARDED FOR WORK HAVING TO BE REDONE DUE TO NON-COMPLIANCE PER ADA STANDARDS.
- REFER TO CONCRETE NOTES ON C-001.
- ALLOWANCE AMOUNT INCLUDES QUANTITIES FOR: ADDITIONAL 12" UNDERCUTS REMOVAL / REPLACEMENT WITH ODOT 304 LESTONE WITH TRIAX GEOGRID. ADDITIONAL UNDERDRAINS. ADDITIONAL CONCRETE WALK REMOVAL / REPLACEMENT. ADDITIONAL CONCRETE PAVEMENT REMOVAL / REPLACEMENT. ADDITIONAL CURB REMOVAL / REPLACEMENT. ADDITIONAL FULL DEPTH ASPHALT PAVEMENT REMOVAL / REPLACEMENT, AND ADDITIONAL ASPHALT CRACK SEALER. ADDITIONAL CONCRETE JOINT GRINDING, ADDITIONAL CONCRETE JOINT REPAIR, AND ADDITIONAL CONCRETE PANEL LEVELING. PRIOR TO THE START OF CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL WALK ALL SITES WITH THE OWNER AND/OR OWNER'S AGENT/ENGINEER TO MARK THE AREAS TO BE IMPROVED WHICH MAY NOT BE SPECIFICALLY SHOWN ON PLANS FOR THE EXACT LIMITS. CONTRACTOR SHALL BE RESPONSIBLE FOR FULL DOCUMENTING TRACKED QUANTITIES OF FIELD MARKED IMPROVEMENTS TO OBTAIN AN OFFICIAL APPROVAL TO PROCEED AND FOR PAYMENT REQUESTS.

PRIMARY WORK:	
CONCRETE PAVEMENT REMOVAL	5,627 SF
CONCRETE CURB REMOVAL	119 LF
VEHICULAR CONCRETE PAVEMENT	4,009 SF
ADA SIGN AND POST REMOVAL	4 EA
CONCRETE CURB	141 LF
CONCRETE WALK	1,618 SF
CURB RAMP	3 EA
ADA SIGN AND POST	5 EA
CONCRETE COLLAR	1 EA
PAVEMENT MARKINGS	LUMP

ALTERNATE 1:	
CONCRETE PAVEMENT REMOVAL	294 SF
CONCRETE WALK	294 SF
MILL AND FILL ASPHALT	727 SY
CRACK SEAL ASPHALT	2,883 SY
REPLACE EXISTING PAVEMENT MARKINGS	LUMP

ALTERNATE 2:	
CONCRETE COLLAR	2 EA
CRACK SEAL ASPHALT	1,296 SY
MILL AND FILL ASPHALT	159 SY
REPLACE EXISTING PAVEMENT MARKINGS	LUMP

NOTE: ALL QUANTITIES LISTED WITHIN THESE DOCUMENTS ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL ULTIMATELY BE RESPONSIBLE FOR ALL REQUIRED MATERIALS TO PERFORM THE WORK CONTAINED WITHIN THE PLAN SET.

BASIS OF BEARING:
 STATE PLANE GRID NORTH, NAD 83 (2011), GEOID 12B, OHIO NORTH ZONE. TIED BY GPS TO THE O.D.O.T. VRS.

PLAN REPRODUCTION WARNING
 THE PLANS HAVE BEEN CREATED ON ANSI D (22" x 34") SHEETS. FOR REDUCTIONS REFER TO GRAPHIC SCALE.
 THE PLANS HAVE BEEN CREATED FOR FULL COLOR PLOTTING. ANY SET OF PLANS THAT IS NOT PLOTTED IN FULL COLOR SHALL NOT BE CONSIDERED ADEQUATE FOR CONSTRUCTION PURPOSES.
 WARNING INFORMATION MAY BE LOST IN COPYING AND/OR GRAY SCALE PLOTTING.

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 Akron, OH 44311
 330.572.2100 Fax 330.572.2101
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Cleveland Heights
 City School District

REV.	DATE	DESCRIPTION

LEONARDO A. SFERRA
 E-71842
 REGISTERED PROFESSIONAL ENGINEER
 09/20/24

CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS PAVEMENT MAINTENANCE PLANS

BOULEVARD ELEMENTARY SCHOOL PAVEMENT MAINTENANCE PLAN
 1749 LEE RD, CLEVELAND HTS.

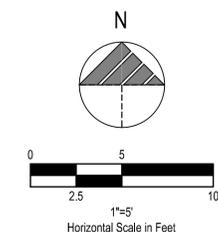
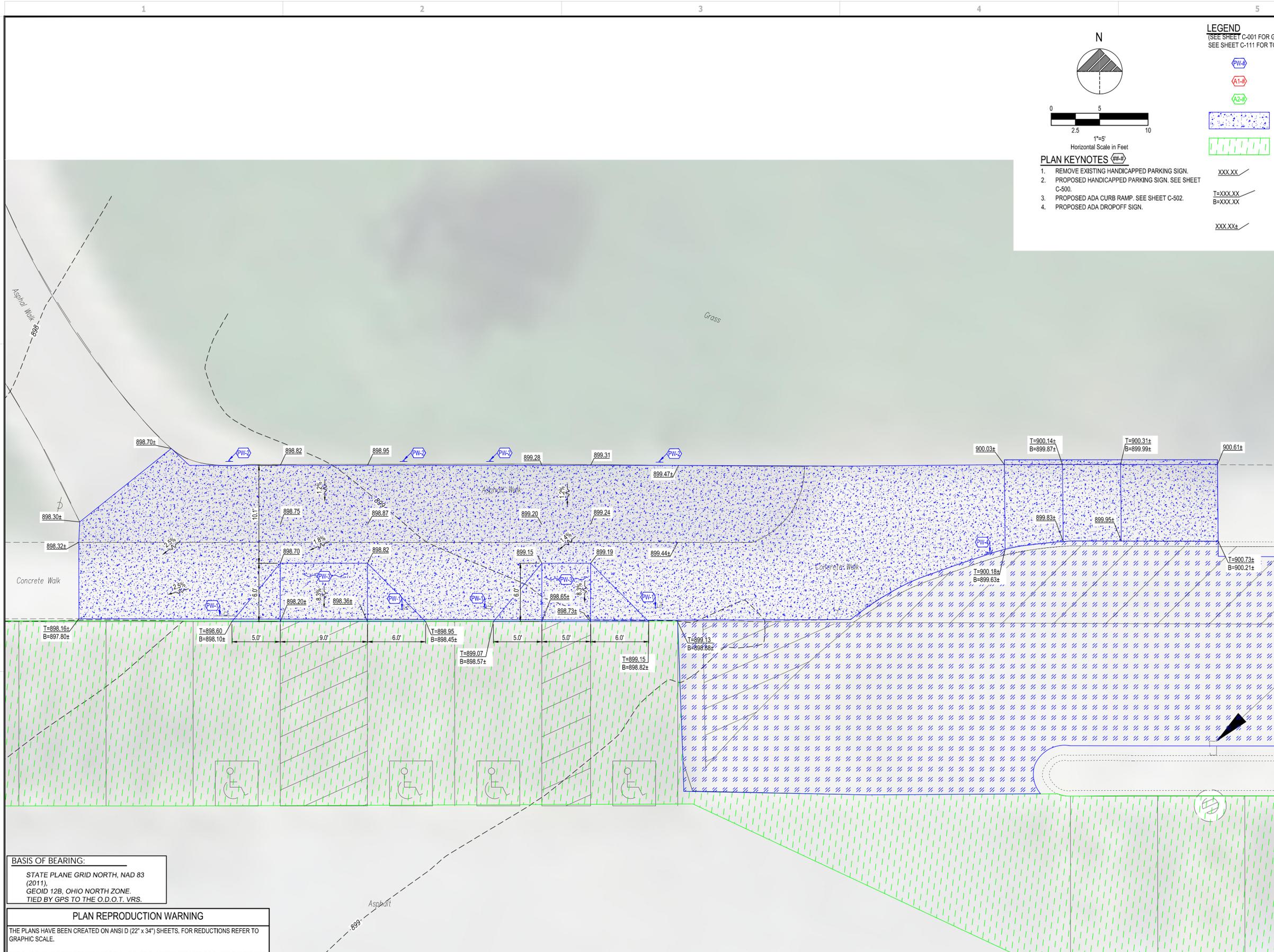
ISSUED FOR:	
PERMIT	XX/XX/XX
BID	XX/XX/XX
CONSTRUCTION	XX/XX/XX
RECORD	XX/XX/XX

PROJECT MANAGER	DESIGNER
KB	PE

JOB NO.
2024086.01

C-111

Drawing Name: O:\2024\2024086 CH-UH CSD\01 Sidewalks And Pvm Programs\1 Working Files\00 Software Version Year)
 CAD\C\Sheets\C-111_Boulevard.dwg
 September 20, 2024 8:30 AM - Peyerman



- LEGEND**
 (SEE SHEET C-001 FOR GENERAL LEGEND)
 SEE SHEET C-111 FOR TOTAL SITE QUANTITIES
- PRIMARY WORK CONSTRUCTION KEYNOTE
 - ALTERNATE 1 CONSTRUCTION KEYNOTE
 - ALTERNATE 2 CONSTRUCTION KEYNOTE
 - PRIMARY WORK: PROPOSED FULL DEPTH CONCRETE PAVEMENT REPLACEMENT.
 - ALTERNATE 2: PROPOSED CRACK SEAL. SEE GENERAL SHEET NOTES THIS SHEET.
 - PROPOSED ELEVATION @ FINISHED GROUND ELEVATION
 - TOP OF CURB ELEVATION
 - BOTTOM OF CURB/FINISHED PAVEMENT ELEVATION
 - EXISTING SPOT ELEVATION/ MATCH EXISTING GRADE

- PLAN KEYNOTES** (###-#)
1. REMOVE EXISTING HANDICAPPED PARKING SIGN.
 2. PROPOSED HANDICAPPED PARKING SIGN. SEE SHEET C-500.
 3. PROPOSED ADA CURB RAMP. SEE SHEET C-502.
 4. PROPOSED ADA DROPOFF SIGN.

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Cleveland University Heights
 City School District

REV.	DATE	DESCRIPTION

STATE OF OHIO
 LEONARDO A. SFERRA
 E - 71842
 REGISTERED PROFESSIONAL ENGINEER
 09/20/24

CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS
 PAVEMENT MAINTENANCE PLANS

BOULEVARD ELEMENTARY SCHOOL
 GRADING ELARGEMENT
 1749 LEE RD, CLEVELAND HTS.

ISSUED FOR:	
PERMIT	XX/XX/XX
BID	XX/XX/XX
CONSTRUCTION	XX/XX/XX
RECORD	XX/XX/XX
PROJECT MANAGER	DESIGNER
KB	PE

JOB NO.
2024086.01

C-111 A

BASIS OF BEARING:
 STATE PLANE GRID NORTH, NAD 83
 (2011),
 GEOID 12B, OHIO NORTH ZONE.
 TIED BY GPS TO THE O.D.O.T. VRS.

PLAN REPRODUCTION WARNING

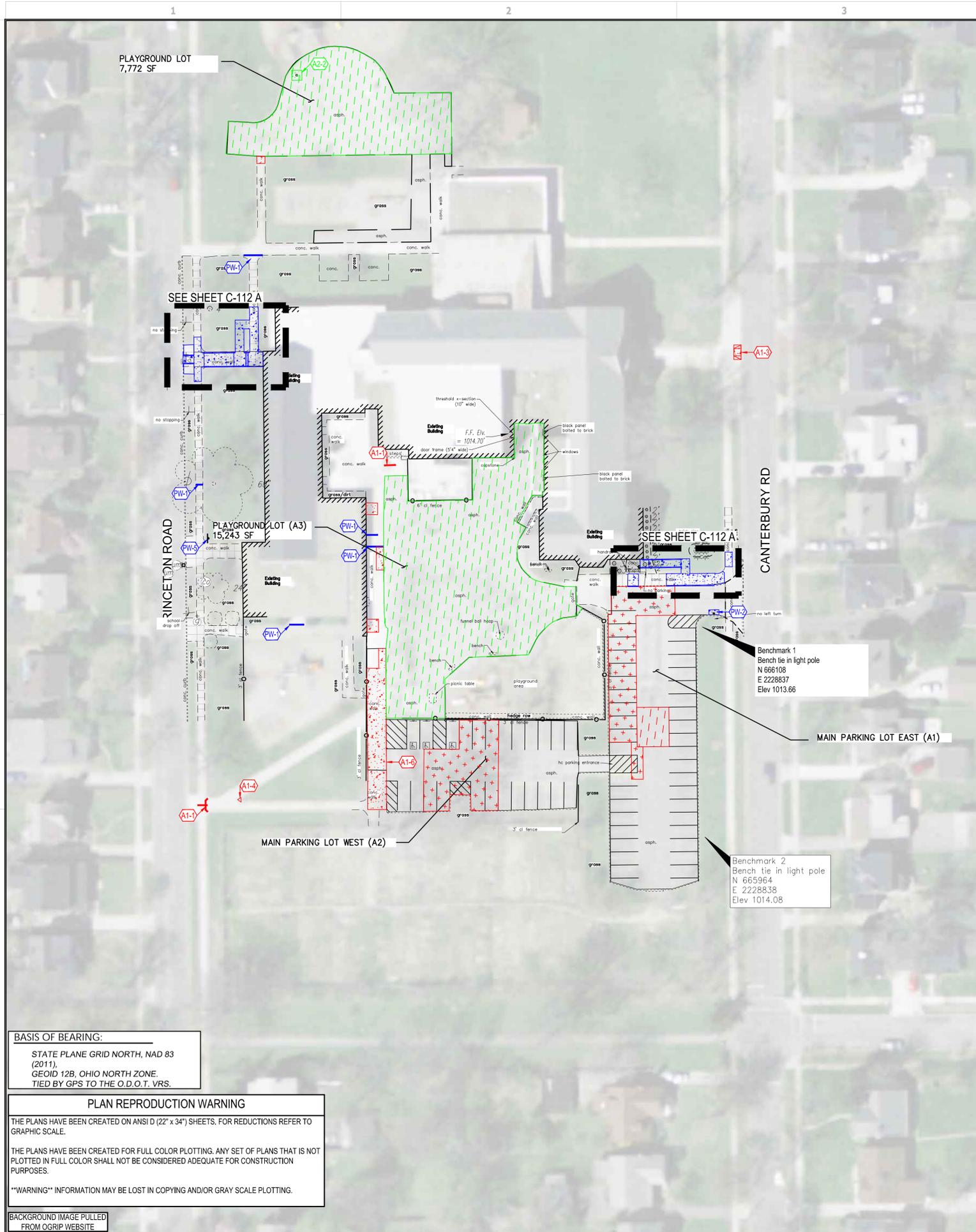
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THE PLANS HAVE BEEN CREATED FOR FULL COLOR PLOTTING. ANY SET OF PLANS THAT IS NOT PLOTTED IN FULL COLOR SHALL NOT BE CONSIDERED ADEQUATE FOR CONSTRUCTION PURPOSES.

WARNING INFORMATION MAY BE LOST IN COPYING AND/OR GRAY SCALE PLOTTING.

BACKGROUND IMAGE PULLED FROM OGRIP WEBSITE

Drawing Name: C:\2024\2024086 CH-UH CS0101 Sidewalks And Pmnt Program\1_ Working Files\00_ (software Version Year)
 CAD\CSheets\3-C-112_Canterbury.dwg
 September 20, 2024 8:30 AM - PEYERMAN



BASIS OF BEARING:
 STATE PLANE GRID NORTH, NAD 83 (2011),
 GEOID 12B, OHIO NORTH ZONE.
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PLAN REPRODUCTION WARNING
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BACKGROUND IMAGE PULLED FROM OGRIP WEBSITE

Benchmark 1
 Bench tie in light pole
 N 666108
 E 2228837
 Elev 1013.66

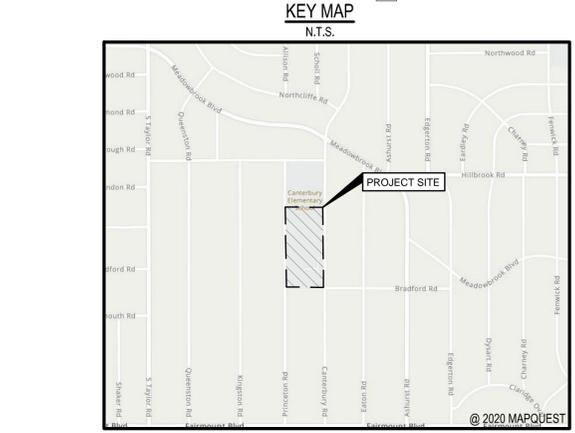
Benchmark 2
 Bench tie in light pole
 N 665964
 E 2228838
 Elev 1014.08

LEGEND
 (SEE SHEET C-001 FOR GENERAL LEGEND)

PRIMARY WORK CONSTRUCTION KEYNOTE
 ALTERNATE 1 CONSTRUCTION KEYNOTE
 ALTERNATE 2 CONSTRUCTION KEYNOTE

PRIMARY WORK: PROPOSED JOINT GRINDING.
 PRIMARY WORK: PROPOSED FULL DEPTH CONCRETE PAVEMENT REPLACEMENT.
 ALTERNATE 1: PROPOSED JOINT GRINDING.
 ALTERNATE 1: PROPOSED FULL DEPTH CONCRETE PAVEMENT REPLACEMENT.
 ALTERNATE 1: PROPOSED MILL AND FILL.
 ALTERNATE 1: PROPOSED CRACK SEAL. SEE GENERAL NOTES THIS SHEET.
 ALTERNATE 2: PROPOSED CRACK SEAL. SEE GENERAL SHEET NOTES THIS SHEET.
 EXISTING TRANSVERSE STRIPING
 EXISTING PAINTED INTERNATIONAL ADA SYMBOL

PLAN KEYNOTES
 1. JOINT TO BE GROUND. PER ADA SPECIFICATIONS.
 2. PROPOSED CONCRETE COLLAR. SEE SHEET C500.
 3. PROPOSED ADA CURB RAMP. SEE SHEET C-501.
 4. EXISTING CONCRETE TO BE REMOVED.
 5. PROPOSED ACCESSIBLE ENTRANCE SIGN.
 6. CONCRETE DRAINAGE SWALE SHALL BE REFORMED TO MANAGE RUNOFF AND BE IN COMPLIANCE WITH ACCESSIBLE PATHWAY REQUIREMENTS.



PRIMARY WORK:	
CONCRETE PAVEMENT REMOVAL	1,468 SF.
CONCRETE CURB REMOVAL	60 LF.
CONCRETE WALK	1,641 SF.
CONCRETE CURB	60 LF.
CURB RAMP	1 EA.
CONCRETE COLLAR	1 EA.
GRIND JOINTS	35 LF.
HANDRAIL	117 LF.
CONCRETE RAMP TYPE 1	20 LF.
CONCRETE RAMP TYPE 2	38 LF.
STAIRS	30 SF.
ALTERNATE 1:	
CONCRETE PAVEMENT REMOVAL	1,615 SF.
CONCRETE WALK	1,611 SF.
CURB RAMP	1 EA.
CRACK SEAL ASPHALT	66 SY.
MILL AND FILL ASPHALT	582 SY.
GRIND JOINT	25 LF.
REPLACE EXISTING MARKINGS	LUMP
ALTERNATE 2:	
CRACK SEAL ASPHALT	2,553 SY.

NOTE: ALL QUANTITIES LISTED WITHIN THESE DOCUMENTS ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL ULTIMATELY BE RESPONSIBLE FOR ALL REQUIRED MATERIALS TO PERFORM THE WORK CONTAINED WITHIN THE PLAN SET.

- GENERAL SHEET NOTES**
- CONTRACTOR SHALL PERFORM A PRE-CONSTRUCTION VIDEO OF EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. THE PRE-CONSTRUCTION VIDEO SHALL BE AS DETAILED AS POSSIBLE. CONTRACTOR SHALL CLEAN, REPAIR, AND/OR REPLACE ALL FEATURES SOILED/CONTAMINATED, DAMAGED, AND/OR BROKEN AS A CAUSE OF CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST AND TO THE SATISFACTION OF THE FEATURES OWNER. OF PARTICULAR IMPORTANCE, PRE-CONSTRUCTION VIDEO SHOULD INCLUDE VIDEO OF ALL EXISTING PAVEMENT MARKINGS. THE PRE-CONSTRUCTION VIDEO SHALL BE MADE AVAILABLE TO THE OWNER.
 - ALL EXISTING SITE AND SURROUNDING FEATURES SUCH AS UTILITIES, PAVEMENT, CURB, LANDSCAPING, BUILDING, FENCES, GUARDRAILS, ETC. SHALL REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION UNLESS NOTED OTHERWISE, OR REQUIRED TO BE MODIFIED, RELOCATED OR REMOVED FOR THE INSTALLATION OF PROPOSED IMPROVEMENTS. ALL DISTURBED FEATURES SHALL BE RESTORED OR RELOCATED AS REQUIRED TO THE SATISFACTION OF THE OWNER. CONTRACTOR SHALL REPAIR/REPLACE ANY SURROUNDING FEATURES DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST AND TO THE SATISFACTION OF THE OWNER.
 - FOR THE IDENTIFIED AREAS, CONTRACTOR SHALL CRACK SEAL EXISTING ASPHALT COURSES PER ODOT 423. ALL CRACKS GREATER THAN 1/4 INCH SHALL BE PREFILLED AND FITTED WITH BACKER ROD. APPLY JOINT SEALER WHERE EXISTING ASPHALT ABUTS CONCRETE / CURB / PAVEMENT / BUILDING. FOR PROJECTS WITH CRACK SEAL JOINT SEALER EXISTING PARKING LOT SHALL BE CLEANED AND SWEEP THOROUGHLY WHERE CRACK SEAL OR SURFACE SEALER TO BE APPLIED. CONTRACTOR SHALL UTILIZE THE APPROPRIATE CLEANING EQUIPMENT TO PREPARE EXISTING SURFACES FOR PROPOSED WORK IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. CONTRACTOR SHALL DISPOSE OF SEDIMENTS OFFSITE AT APPROPRIATE DISPOSAL FACILITY.
 - CONTRACTOR SHALL PROVIDE PAVEMENT STRIPING AND MARKINGS TO MATCH EXISTING LAYOUT (WHEN STRIPING IS DISTURBED) AND IN ACCORDANCE WITH CURRENT REGULATORY REQUIREMENTS (2 COATS MINIMUM). PLAYGROUND MARKINGS ARE TO MATCH EXISTING CONDITIONS. CONTRACTOR SHALL COORDINATE WITH FACILITY DIRECTOR FOR APPROVED COLORS PRIOR TO PAINTING. FIRST COAT TO BE APPLIED UPON COMPLETION OF PAVING ACTIVITY AND THE SECOND COAT TO BE APPLIED 30 DAYS AFTER FIRST COAT APPLICATION. PAVEMENT MARKINGS WHITE ON ASPHALT, YELLOW ON CONCRETE. OR PER OWNERS DIRECTION, BLUE IS REQUIRED FOR ADA MARKINGS. SEE PAVEMENT MARKINGS AND NOTES, SHEET C-500.
 - ALL PAVEMENT REPAIRS SHALL PROVIDE FOR POSITIVE DRAINAGE THROUGH AND AWAY FROM THE WORK AREAS TO THE NATURAL DRAINAGE PATHWAY/OUTFALL.
 - PAVEMENT MARKING TOUCH-UP TO BE DONE WHERE MORE THAN 40% OF EXISTING LINE IS OBSCURED, INCLUDING PLAYGROUND MARKINGS.
 - CONTRACTOR SHALL ENSURE PAVEMENT/WALKS/ETC. RESTORED WITHIN THE ADA PATHWAYS MAINTAIN PROPER SLOPES, ELEVATION CHANGES, GAPS, ETC. PER ADA REGULATIONS. REFER TO NOTES ON SHEET C-001 FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL REMOVE AND REPLACE ADDITIONAL WALK PANELS, ASPHALT PAVEMENT, ETC. TO PROVIDE SLOPE TRANSITIONS REQUIRED TO MEET ADA REQUIREMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE PROPOSED GRADIES AND DESIGN INTENT CAN BE ACHIEVED. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER IMMEDIATELY IF PROPOSED DESIGN CANNOT BE ACHIEVED. NO ADDITIONAL COMPENSATION SHALL BE AWARDED IF SUCH NOTIFICATION HAS NOT BEEN COMPLETE. THIS PROJECT REQUIRES ADA COMPLIANCE. NO ADDITIONAL COMPENSATION SHALL BE AWARDED FOR WORK HAVING TO BE REDONE DUE TO NON-COMPLIANCE PER ADA STANDARDS.
 - REFER TO CONCRETE NOTES ON C-001.
 - ALLOWANCE AMOUNT INCLUDES QUANTITIES FOR: ADDITIONAL 12" UNDERCUTS REMOVAL / REPLACEMENT WITH ODOT 304 LIMESTONE WITH TRIAX GEOGRID. ADDITIONAL UNDERDRAINS. ADDITIONAL CONCRETE WALK REMOVAL / REPLACEMENT. ADDITIONAL CONCRETE PAVEMENT REMOVAL / REPLACEMENT. ADDITIONAL CURB REMOVAL / REPLACEMENT. ADDITIONAL FULL DEPTH ASPHALT PAVEMENT REMOVAL / REPLACEMENT. AND ADDITIONAL ASPHALT CRACK SEALER. ADDITIONAL CONCRETE JOINT GRINDING. ADDITIONAL CONCRETE JOINT REPAIR. AND ADDITIONAL CONCRETE PANEL LEVELING. PRIOR TO THE START OF CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL WALK ALL SITES WITH THE OWNER AND/OR OWNER'S AGENT/ENGINEER TO MARK THE AREAS TO BE IMPROVED WHICH MAY NOT BE SPECIFICALLY SHOWN ON PLANS FOR THE EXACT LIMITS. CONTRACTOR SHALL BE RESPONSIBLE FOR FULLY DOCUMENTING TRACKED QUANTITIES OF FIELD MARKED IMPROVEMENTS TO OBTAIN AN OFFICIAL APPROVAL TO PROCEED AND FOR PAYMENT REQUESTS.

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 Akron, OH 44311
 330.572.2100 Fax 330.572.2101
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Cleveland Heights
 City School District

REV.	DATE	DESCRIPTION

LEONARDO A. SFERRA
 E-71842
 REGISTERED PROFESSIONAL ENGINEER
 09/20/24

CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS PAVEMENT MAINTENANCE PLANS

CANTERBURY ELEMENTARY SCHOOL PAVEMENT MAINTENANCE PLAN
 2530 CANTERBURY RD., CLEVELAND HTS.

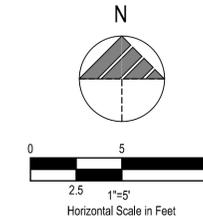
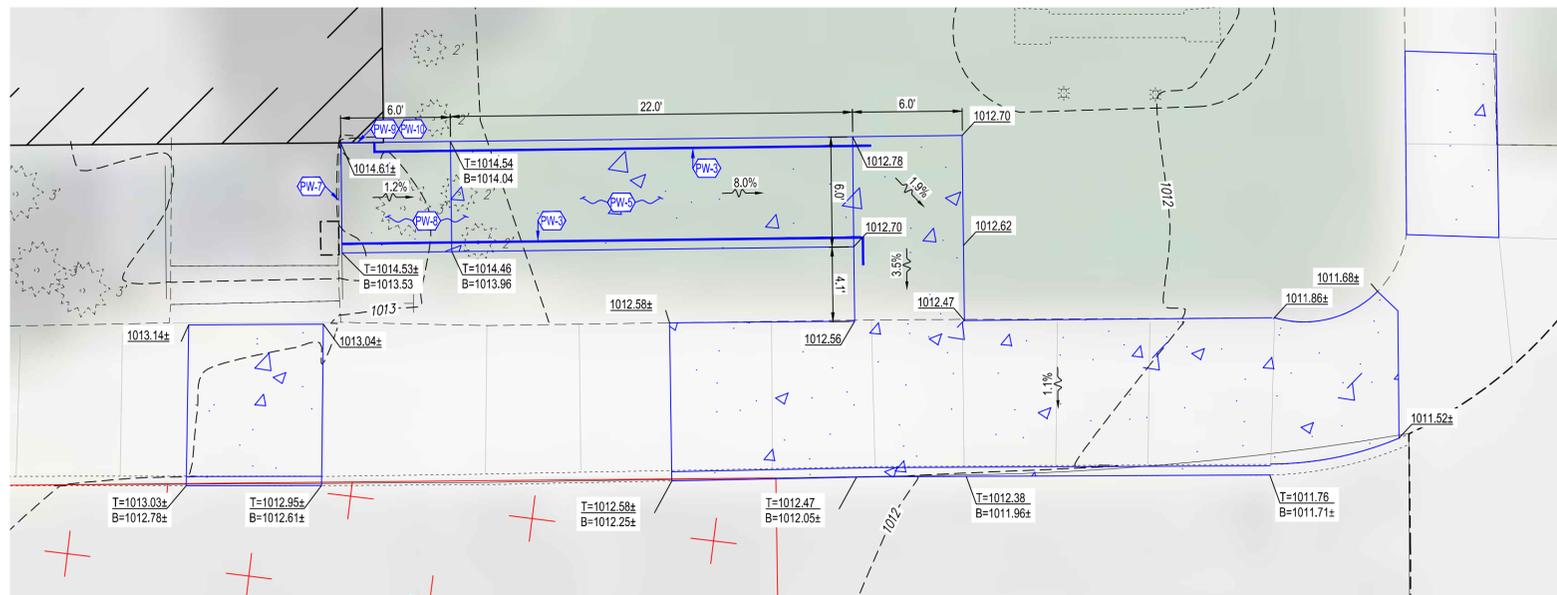
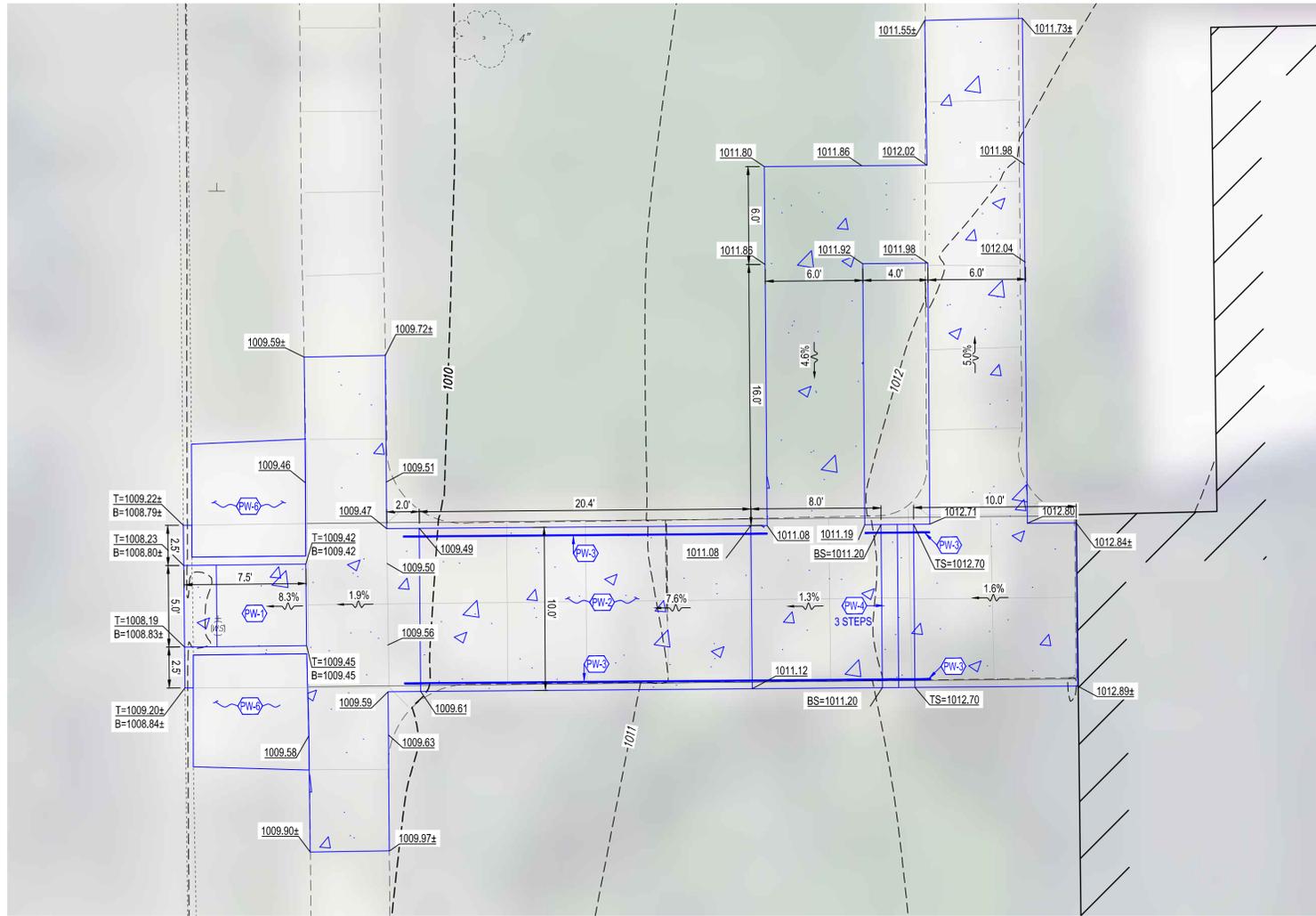
ISSUED FOR:	
PERMIT	XX/XX/XX
BID	XX/XX/XX
CONSTRUCTION	XX/XX/XX
RECORD	XX/XX/XX
PROJECT MANAGER	DESIGNER
KB	PE

JOB NO.
2024086.01

C-112

Drawing Name: O:\2024\2024086 CH-UH CSD\01 Sidewalks And Pymt Program\1 Working Files\00_software Version Year)
 CAD\C\Sheets\3-C-12_Canterbury.dwg
 September 20, 2024 8:30 AM - PEYERMAN

BACKGROUND IMAGE PULLED FROM OGRIP WEBSITE



LEGEND
 (SEE SHEET C-001 FOR GENERAL LEGEND)
 SEE SHEET C-112 FOR TOTAL SITE QUANTITIES

- PRIMARY WORK CONSTRUCTION KEYNOTE
- ALTERNATE 1 CONSTRUCTION KEYNOTE
- ALTERNATE 2 CONSTRUCTION KEYNOTE
- PRIMARY WORK: PROPOSED FULL DEPTH CONCRETE PAVEMENT REPLACEMENT.
- PROPOSED ELEVATION @ FINISHED GROUND ELEVATION
- TOP OF CURB ELEVATION
- BOTTOM OF CURB/FINISHED PAVEMENT ELEVATION
- TOP OF STEP ELEVATION
- BOTTOM OF STEP/FINISHED PAVEMENT ELEVATION
- EXISTING SPOT ELEVATION/ MATCH EXISTING GRADE

PLAN KEYNOTES (###-#)

1. PROPOSED ADA CURB RAMP. SEE SHEET C-502.
2. PROPOSED ADA ACCESSIBLE RAMP TYPE 1. SEE SHEET C-502.
3. PROPOSED HANDRAIL. SEE SHEET C-502.
4. PROPOSED STEPS WITH HANDRAILS. SEE SHEET C-502. SEE PLAN VIEW FOR STEP COUNT.
5. PROPOSED ADA ACCESSIBLE RAMP TYPE 2. SEE SHEET C-502.
6. REMOVE WALK. ADD TOPSOIL AND SEED.
7. EXISTING HANDRAIL TO BE REMOVED.
8. EXISTING LANDSCAPING TO BE REMOVED.
9. EXISTING DOWNSPOUT TO BE EXTENDED TO SURFACE WITH FLUSH CAP FOR ACCESS.
10. CONTRACTOR SHALL APPLY WATERPROOFING TO EXISTING BUILDING WALL. INCLUDE PROTECTION BOARD/EXPANSION JOINT MATERIAL, AND SEAL JOINT BETWEEN THE PROPOSED RAMP AND THE BUILDING WALL.

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Cleveland University City School District

REV.	DATE	DESCRIPTION

CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS
 PAVEMENT MAINTENANCE PLANS

**CANTERBURY ELEMENTARY SCHOOL
 GRADING ENLARGEMENT
 2530 CANTERBURY RD., CLEVELAND HTS.**

ISSUED FOR:	
PERMIT	XX/XX/XX
BID	XX/XX/XX
CONSTRUCTION	XX/XX/XX
RECORD	XX/XX/XX
PROJECT MANAGER	DESIGNER
KB	PE

JOB NO.
2024086.01

C-112 A

BASIS OF BEARING:
 STATE PLANE GRID NORTH, NAD 83
 (2011),
 GEOID 12B, OHIO NORTH ZONE.
 TIED BY GPS TO THE O.D.O.T. VRS.

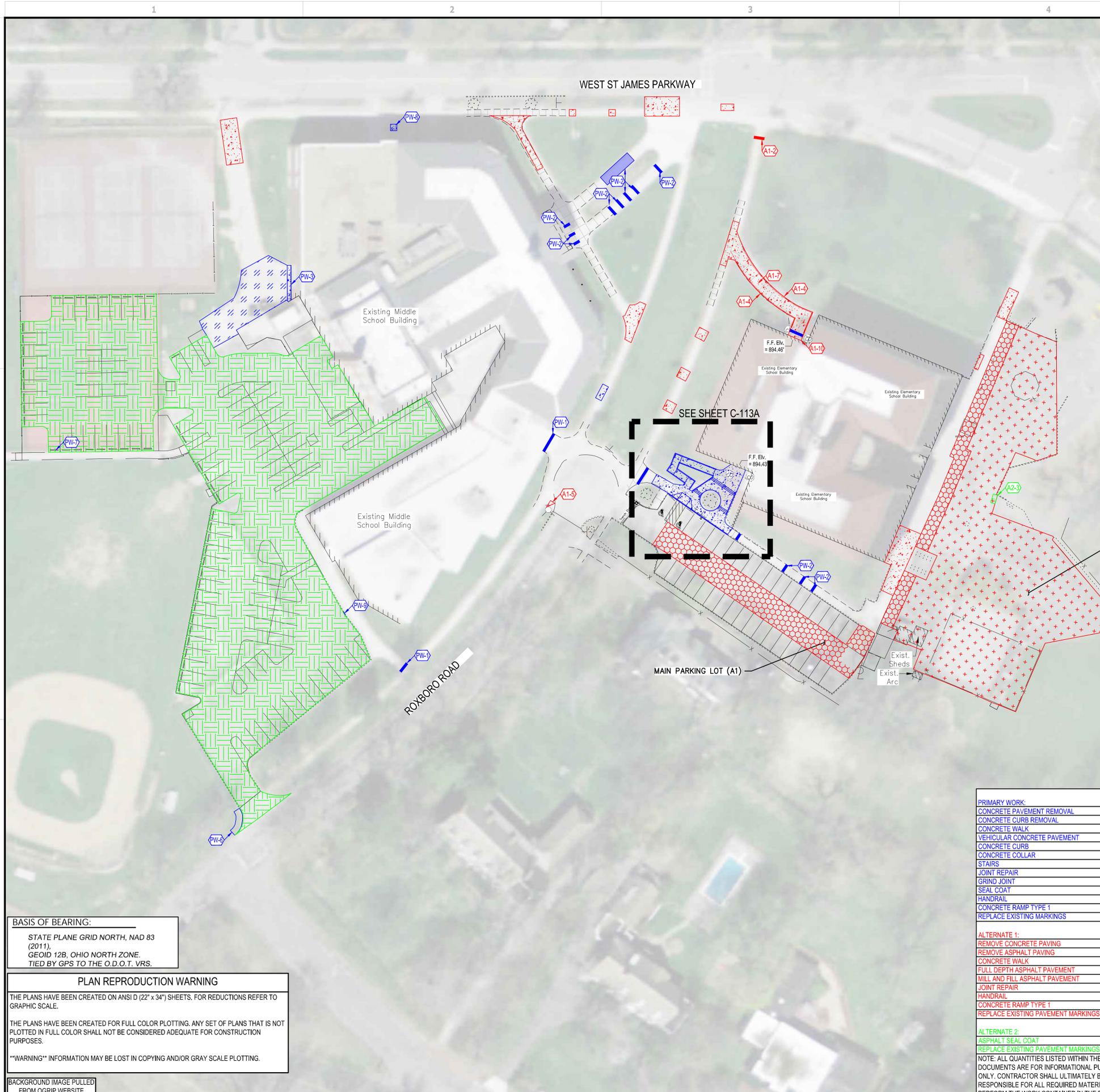
PLAN REPRODUCTION WARNING

THE PLANS HAVE BEEN CREATED ON ANSI D (22" x 34") SHEETS. FOR REDUCTIONS REFER TO GRAPHIC SCALE.

THE PLANS HAVE BEEN CREATED FOR FULL COLOR PLOTTING. ANY SET OF PLANS THAT IS NOT PLOTTED IN FULL COLOR SHALL NOT BE CONSIDERED ADEQUATE FOR CONSTRUCTION PURPOSES.

***WARNING** INFORMATION MAY BE LOST IN COPYING AND/OR GRAY SCALE PLOTTING.

Drawing Name: C:\2024\2024086 CH-UH_CSD101_Sidewalks And Pvm Program\Working Files\00_ (software Version Year)
 CAD\CSheets\4-C-113_Roxboro.dwg
 September 20, 2024 6:31 AM - P.Eyerman



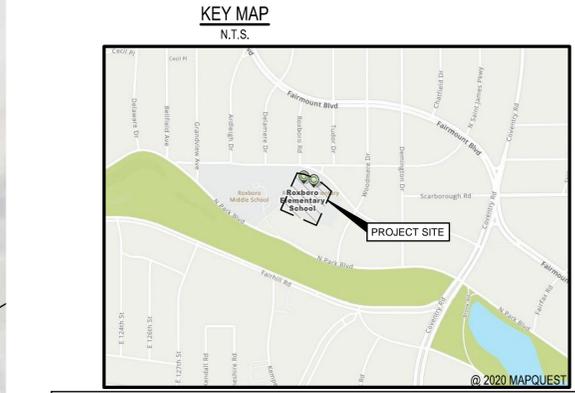
LEGEND
 (SEE SHEET C-001 FOR GENERAL LEGEND)

PLAN KEYNOTES (###-#)

- JOINT TO BE GROUND. PER ADA SPECIFICATIONS.
- FULL DEPTH JOINT REPAIR. SEE SHEET C-501.
- PROPOSED CONCRETE COLLAR. SEE SHEET C-500.
- PROPOSED HANDRAIL. SEE SHEET C-502.
- REPLACE CONCRETE.
- EXISTING AREA TO BE FILLED WITH ITEM 304. TOP 6" WITH ITEM 304 AND TOP SOIL BLEND.
- REPAIR BROKEN / MOVED WHEELSTOPS.
- PROPOSED PATCHING OF EXISTING STAIRS, COVERING EXPOSED REBAR.
- REPLACE CONCRETE CURB. SEE SHEET C-501.
- PROPOSED FROST SLAB AT EXISTING BUILDING. SEE SHEET C-501.
- PROPOSED ADA ACCESSIBLE RAMP TYPE 1. SEE SHEET C-502.

LEGEND

- PW-2 PRIMARY WORK CONSTRUCTION KEYNOTE
- A1-2 ALTERNATE 1 CONSTRUCTION KEYNOTE
- A2-2 ALTERNATE 2 CONSTRUCTION KEYNOTE
- 157 LF. PRIMARY WORK: PROPOSED JOINT REPAIR/LEVELING.
- 1,787 SF. PRIMARY WORK: PROPOSED FULL DEPTH CONCRETE PAVEMENT REPLACEMENT.
- 2,204 SF. PRIMARY WORK: PROPOSED VEHICULAR CONCRETE PAVEMENT.
- 3,950 SF. ALTERNATE 1: PROPOSED FULL DEPTH CONCRETE PAVEMENT REPLACEMENT.
- 683 SY. ALTERNATE 1: PROPOSED FULL DEPTH ASPHALT PAVEMENT REPLACEMENT.
- 2,424 SY. ALTERNATE 1: PROPOSED MILL AND FILL.
- 8 LF. ALTERNATE 2: PROPOSED JOINT REPAIR/LEVELING.
- 5,461 SY. ALTERNATE 2: PROPOSED SEAL COAT. SEE GENERAL NOTES THIS SHEET.
- EXISTING TRANSVERSE STRIPING
- EXISTING PAINTED INTERNATIONAL ADA SYMBOL



GENERAL SHEET NOTES

- CONTRACTOR SHALL PERFORM A PRE-CONSTRUCTION VIDEO OF EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. THE PRE-CONSTRUCTION VIDEO SHALL BE AS DETAILED AS POSSIBLE. CONTRACTOR SHALL CLEAN, REPAIR, AND/OR REPLACE ALL FEATURES SOILED/CONTAMINATED, DAMAGED, AND/OR BROKEN AS A CAUSE OF CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST AND TO THE SATISFACTION OF THE FEATURES OWNER. OF PARTICULAR IMPORTANCE, PRE-CONSTRUCTION VIDEO SHOULD INCLUDE VIDEO OF ALL EXISTING PAVEMENT MARKINGS. THE PRE-CONSTRUCTION VIDEO SHALL BE MADE AVAILABLE TO THE OWNER.
- ALL EXISTING SITE AND SURROUNDING FEATURES SUCH AS UTILITIES, PAVEMENT, CURB, LANDSCAPING, BUILDING, FENCES, GUARDRAILS, ETC. SHALL REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION UNLESS NOTED OTHERWISE, OR REQUIRED TO BE MODIFIED, RELOCATED OR REMOVED FOR THE INSTALLATION OF PROPOSED IMPROVEMENTS. ALL DISTURBED FEATURES SHALL BE RESTORED OR RELOCATED AS REQUIRED TO THE SATISFACTION OF THE OWNER. CONTRACTOR SHALL REPAIR/REPLACE ANY SURROUNDING FEATURES DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST AND TO THE SATISFACTION OF THE OWNER.
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- ALL PAVEMENT REPAIRS SHALL PROVIDE FOR POSITIVE DRAINAGE THROUGH AND AWAY FROM THE WORK AREAS TO THE NATURAL DRAINAGE PATHWAY/OUTFALL.
- PAVEMENT MARKING TOUCH-UP TO BE DONE WHERE MORE THAN 40% OF EXISTING LINE IS OBSCURED, INCLUDING PLAYGROUND MARKINGS.
- CONTRACTOR SHALL ENSURE PAVEMENT/WALKS/ETC. RESTORED WITHIN THE ADA PATHWAYS MAINTAIN PROPER SLOPES, ELEVATION CHANGES, GAPS, ETC. PER ADA REGULATIONS. REFER TO NOTES ON SHEET C-001 FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL REMOVE AND REPLACE ADDITIONAL WALK PANELS, ASPHALT PAVEMENT, ETC. TO PROVIDE SLOPE TRANSITIONS REQUIRED TO MEET ADA REQUIREMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE PROPOSED GRADES AND DESIGN INTENT CAN BE ACHIEVED. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER IMMEDIATELY IF PROPOSED DESIGN CANNOT BE ACHIEVED. NO ADDITIONAL COMPENSATION SHALL BE AWARDED IF SUCH NOTIFICATION HAS NOT BEEN COMPLETE. THIS PROJECT REQUIRES ADA COMPLIANCE. NO ADDITIONAL COMPENSATION SHALL BE AWARDED FOR WORK HAVING TO BE REDONE DUE TO NON-COMPLIANCE PER ADA STANDARDS.
- REFER TO CONCRETE NOTES ON C-001.
- ALLOWANCE AMOUNT INCLUDES QUANTITIES FOR: ADDITIONAL 12" UNDERCUTS REMOVAL / REPLACEMENT WITH ODOT 304 LESTONE WITH TRIAX GEOGRID; ADDITIONAL UNDERDRAINS; ADDITIONAL CONCRETE WALK REMOVAL / REPLACEMENT; ADDITIONAL CONCRETE PAVEMENT REMOVAL / REPLACEMENT; ADDITIONAL CURB REMOVAL / REPLACEMENT; ADDITIONAL FULL DEPTH ASPHALT PAVEMENT REMOVAL / REPLACEMENT; AND ADDITIONAL ASPHALT CRACK SEALER, ADDITIONAL CONCRETE JOINT GRINDING, ADDITIONAL CONCRETE JOINT REPAIR, AND ADDITIONAL CONCRETE PANEL LEVELING. PRIOR TO THE START OF CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL WALK ALL SITES WITH THE OWNER AND/OR OWNER'S AGENT/ENGINEER TO MARK THE AREAS TO BE IMPROVED WHICH MAY NOT BE SPECIFICALLY SHOWN ON PLANS FOR THE EXACT LIMITS. CONTRACTOR SHALL BE RESPONSIBLE FOR FULLY DOCUMENTING TRACKED QUANTITIES OF FIELD MARKED IMPROVEMENTS TO OBTAIN AN OFFICIAL APPROVAL TO PROCEED AND FOR PAYMENT REQUESTS.

PRIMARY WORK:	
CONCRETE PAVEMENT REMOVAL	3,619 SF
CONCRETE CURB REMOVAL	67 LF
CONCRETE WALK	1,787 SF
VEHICULAR CONCRETE PAVEMENT	2,404 SF
CONCRETE CURB	67 LF
CONCRETE COLLAR	1 EA
STAIRS	99 SF
JOINT REPAIR	119 LF
GRIND JOINT	38 LF
SEAL COAT	5,461 SY
HANDRAIL	178 LF
CONCRETE RAMP TYPE 1	44 LF
REPLACE EXISTING MARKINGS	LUMP
ALTERNATE 1:	
REMOVE CONCRETE PAVING	3,950 SF
REMOVE ASPHALT PAVING	683 SY
CONCRETE WALK	3,950 SF
FULL DEPTH ASPHALT PAVEMENT	683 SY
MILL AND FILL ASPHALT PAVEMENT	2,424 SY
JOINT REPAIR	8 LF
HANDRAIL	175 LF
CONCRETE RAMP TYPE 1	93 LF
REPLACE EXISTING PAVEMENT MARKINGS	LUMP
ALTERNATE 2:	
ASPHALT SEAL COAT	5,461 SY
REPLACE EXISTING PAVEMENT MARKINGS	LUMP

NOTE: ALL QUANTITIES LISTED WITHIN THESE DOCUMENTS ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL ULTIMATELY BE RESPONSIBLE FOR ALL REQUIRED MATERIALS TO PERFORM THE WORK CONTAINED IN THE PLAN SET.

BASIS OF BEARING:
 STATE PLANE GRID NORTH, NAD 83 (2011), GEOID 12B, OHIO NORTH ZONE. TIED BY GPS TO THE O.D.O.T. VRS.

PLAN REPRODUCTION WARNING
 THE PLANS HAVE BEEN CREATED ON ANSI D (22" x 34") SHEETS. FOR REDUCTIONS REFER TO GRAPHIC SCALE.
 THE PLANS HAVE BEEN CREATED FOR FULL COLOR PLOTTING. ANY SET OF PLANS THAT IS NOT PLOTTED IN FULL COLOR SHALL NOT BE CONSIDERED ADEQUATE FOR CONSTRUCTION PURPOSES.
 WARNING INFORMATION MAY BE LOST IN COPYING AND/OR GRAY SCALE PLOTTING.

BACKGROUND IMAGE PULLED FROM OGRIP WEBSITE

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 Akron, OH 44311
 330.572.2100 Fax 330.572.2101
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Cleveland Heights
 City School District

DESCRIPTION	
DATE	
REV.	

STATE OF OHIO
 LEONARDO A. SFERRA
 E-71842
 REGISTERED PROFESSIONAL ENGINEER
 09/20/24

CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS PAVEMENT MAINTENANCE PLANS

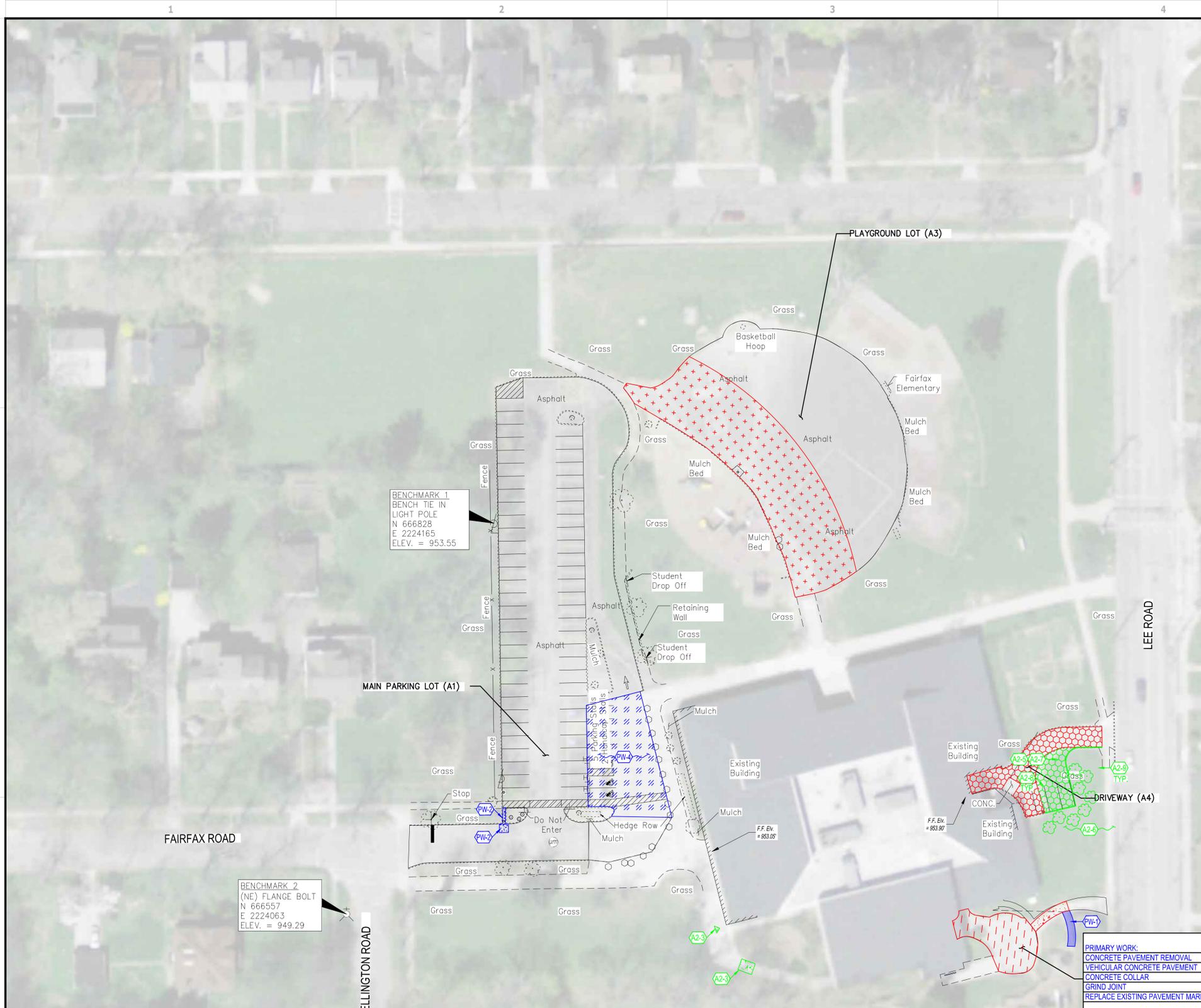
ROXBORO MIDDLE & ELEMENTARY PAVEMENT MAINTENANCE PLAN
 2405 ROXBORO RD #3623, CLEVELAND HTS.

ISSUED FOR:	
PERMIT	XX/XX/XX
BID	XX/XX/XX
CONSTRUCTION	XX/XX/XX
RECORD	XX/XX/XX
PROJECT MANAGER	DESIGNER
KB	PE

JOB NO.
2024086.01

C-113

Drawing Name: C:\2024\2024086 CH-UH_CSD\01_Sidewalks And Pvmt Program\1_ Working Files\00_ (software Version Year)
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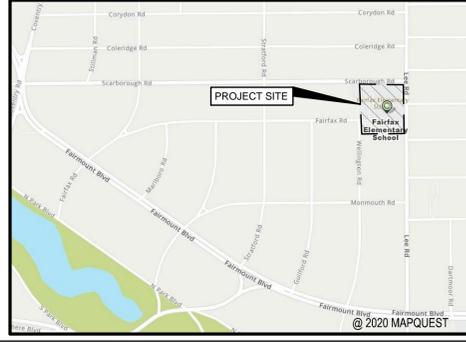
N

0 20 40 80
1"=40'
Horizontal Scale in Feet

LEGEND
(SEE SHEET C-001 FOR GENERAL LEGEND)

- PRIMARY WORK CONSTRUCTION KEYNOTE
- ALTERNATE 1 CONSTRUCTION KEYNOTE
- ALTERNATE 2 CONSTRUCTION KEYNOTE
- PRIMARY WORK: PROPOSED VEHICULAR CONCRETE PAVEMENT.
- PRIMARY WORK: PROPOSED JOINT REPAIR/LEVELING.
- ALTERNATE 1: PROPOSED FULL DEPTH CONCRETE PAVEMENT REPLACEMENT.
- ALTERNATE 1: PROPOSED FULL DEPTH ASPHALT PAVEMENT REPLACEMENT.
- ALTERNATE 1: PROPOSED MILL AND FILL.
- ALTERNATE 1: PROPOSED CRACK SEAL. SEE GENERAL NOTES THIS SHEET.
- ALTERNATE 2: PROPOSED FULL DEPTH CONCRETE PAVEMENT REPLACEMENT.
- ALTERNATE 2: PROPOSED FULL DEPTH ASPHALT PAVEMENT REPLACEMENT.
- EXISTING TRANSVERSE STRIPING
- EXISTING PAINTED INTERNATIONAL ADA SYMBOL

- PLAN KEYNOTES (#/#)**
- JOINT TO BE GROUND. PER ADA SPECIFICATIONS.
 - PROPOSED CONCRETE COLLAR. SEE SHEET C-500.
 - EXISTING CONCRETE TO BE REMOVED AND REPLACED.
 - REPLACED CONCRETE WITHIN ADA PARKING AND ADA ACCESSIBLE PATHWAYS SHALL NOT EXCEED CONSTRUCTED SLOPES 2.0% IN ANY DIRECTION FOR PARKING AREAS AND 5.0% MAXIMUM RUNNING SLOPES AND 2.0% MAXIMUM CROSS SLOPE IN ACCESSIBLE PATHWAYS. PROVIDE BLENDED TRANSITIONS TO SURROUNDING TIE-IN POINTS NOT EXCEEDING 8% OUTSIDE OF ADA PARKING AND ADA PATHWAYS.
 - CONTRACTOR SHALL SLOPE NEW ASPHALT PAVEMENT AT 1% MINIMUM TO NEAREST COLLECTION POINT. PONDING OF WATER IS NOT PERMITTED.
 - ALL AREA DISTURBED AND PROPOSED TO BE LAWN SHALL BE SLOPED AT 1% MINIMUM TO INTENDED COLLECTION POINTS. PONDING OF WATER IS NOT PERMITTED.
 - EXISTING GARDEN AND ASSOCIATED APPURTENANCES TO BE REMOVED.
 - PROPOSED PAINTED WHITE 4" WIDE SOLID STRIPE. SEE PAVEMENT MARKINGS AND NOTES ON SHEET C-500.
 - PROPOSED TEN (10) 6' TALL ARBORVITAE SPACING 5' APART AND STAGGERED.
- KEY MAP**
N.T.S.



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- CONTRACTOR SHALL ENSURE PAVEMENT/WALKS/ETC. RESTORED WITHIN THE ADA PATHWAYS MAINTAIN PROPER SLOPES, ELEVATION CHANGES, GAPS, ETC. PER ADA REGULATIONS. REFER TO NOTES ON SHEET C-001 FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL REMOVE AND REPLACE ADDITIONAL WALK PANELS, ASPHALT PAVEMENT, ETC. TO PROVIDE SLOPE TRANSITIONS REQUIRED TO MEET ADA REQUIREMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE PROPOSED SLOPES AND DESIGN INTENT CAN BE ACHIEVED. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER IMMEDIATELY IF PROPOSED DESIGN CANNOT BE ACHIEVED. NO ADDITIONAL COMPENSATION SHALL BE AWARDED IF SUCH NOTIFICATION HAS NOT BEEN COMPLETE. THIS PROJECT REQUIRES ADA COMPLIANCE. NO ADDITIONAL COMPENSATION SHALL BE AWARDED FOR WORK HAVING TO BE REDONE DUE TO NON-COMPLIANCE PER ADA STANDARDS.
- REFER TO CONCRETE NOTES ON C-001.
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PRIMARY WORK:	
CONCRETE PAVEMENT REMOVAL	3,852 SF
VEHICULAR CONCRETE PAVEMENT	3,852 SF
CONCRETE COLLAR	2 EA.
GRIND JOINT	15 LF.
REPLACE EXISTING PAVEMENT MARKINGS	LUMP
ALTERNATE 1:	
REMOVE CONCRETE PAVING	180 SF.
CONCRETE WALK	180 SF.
REMOVE ASPHALT PAVING	138 SY.
FULL DEPTH ASPHALT PAVEMENT	138 SY.
MILL AND FILL ASPHALT PAVEMENT	993 SY.
CRACK SEAL ASPHALT	180 SY.
REPLACE EXISTING PAVEMENT MARKINGS	LUMP
ALTERNATE 2:	
REMOVE CONCRETE PAVEMENT	88 SF.
CONCRETE WALK	88 SF.
FULL DEPTH ASPHALT PAVEMENT	97 SY.
CONCRETE CURB	76 LF.
REPLACE EXISTING PAVEMENT MARKINGS	LUMP
6' EVERGREEN ARBORVITAE BUSH ROW	8

NOTE: ALL QUANTITIES LISTED WITHIN THESE DOCUMENTS ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL ULTIMATELY BE RESPONSIBLE FOR ALL REQUIRED MATERIALS TO PERFORM THE WORK CONTAINED IN THE PLAN SET.

BASIS OF BEARING:

STATE PLANE GRID NORTH, NAD 83 (2011),
 GEOID 12B, OHIO NORTH ZONE.
 TIED BY GPS TO THE O.D.O.T. VRS.

PLAN REPRODUCTION WARNING

THE PLANS HAVE BEEN CREATED ON ANSI D (22" x 34") SHEETS. FOR REDUCTIONS REFER TO GRAPHIC SCALE.

THE PLANS HAVE BEEN CREATED FOR FULL COLOR PLOTTING. ANY SET OF PLANS THAT IS NOT PLOTTED IN FULL COLOR SHALL NOT BE CONSIDERED ADEQUATE FOR CONSTRUCTION PURPOSES.

WARNING INFORMATION MAY BE LOST IN COPYING AND/OR GRAY SCALE PLOTTING.

BACKGROUND IMAGE PULLED FROM OGRIP WEBSITE

GPD GROUP
 Glaus, Pyle, Schomer, Burns & DeHaven, Inc.
 520 South Main Street, Suite 2531
 Akron, OH 44311
 330.572.2100 Fax 330.572.2101
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Cleveland Heights
 City School District

REV.	DATE	DESCRIPTION

CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS PAVEMENT MAINTENANCE PLANS

FAIRFAX ELEMENTARY SCHOOL PAVEMENT MAINTENANCE PLAN
 3150 FAIRFAX RD #4042, CLEVELAND HTS.

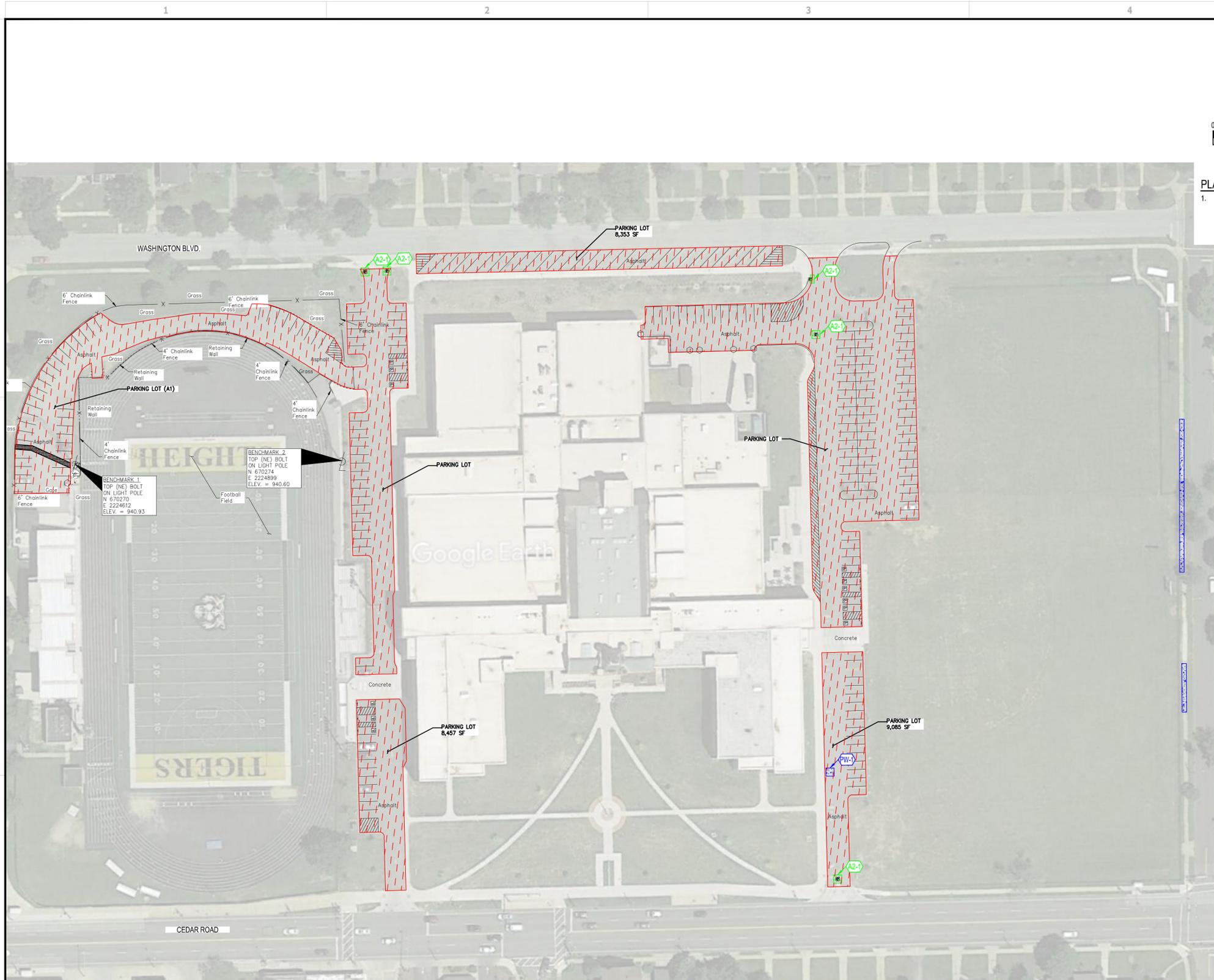
ISSUED FOR:	
PERMIT	XX/XX/XX
BID	XX/XX/XX
CONSTRUCTION	XX/XX/XX
RECORD	XX/XX/XX

PROJECT MANAGER	DESIGNER
KB	PE

JOB NO.
2024086.01

C-114

Drawing Name: C:\2024\2024086 CH-UH_CSD01_Sidewalks And Pvmt Program\Working Files\00_ (software Version Year)
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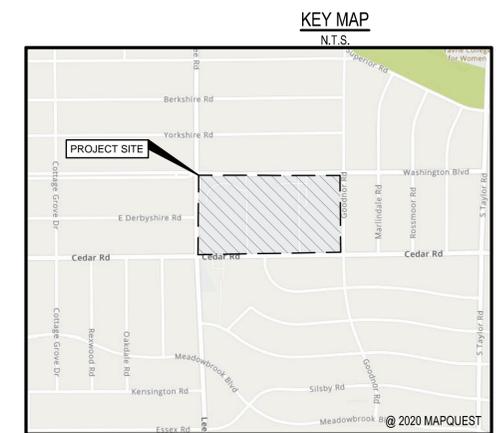
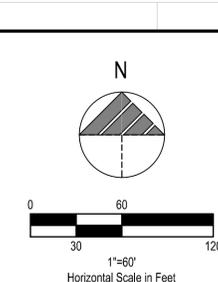


LEGEND
 (SEE SHEET C-001 FOR GENERAL LEGEND)

- PRIMARY WORK CONSTRUCTION KEYNOTE
- ALTERNATE 1 CONSTRUCTION KEYNOTE
- ALTERNATE 2 CONSTRUCTION KEYNOTE
- PRIMARY WORK: PROPOSED FULL DEPTH CONCRETE PAVEMENT REPLACEMENT.
- ALTERNATE 1: PROPOSED CRACK SEAL AND SEAL COAT. SEE GENERAL NOTES THIS SHEET.
- EXISTING TRANSVERSE STRIPING
- EXISTING PAINTED INTERNATIONAL ADA SYMBOL

PLAN KEYNOTES

1. PROPOSED CONCRETE COLLAR. SEE SHEET C-500.



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- FOR THE IDENTIFIED AREAS, CONTRACTOR SHALL CRACK SEAL EXISTING ASPHALT COURSES PER ODOT 423. ALL CRACKS GREATER THAN 1/4 INCH SHALL BE PREFILLED AND FITTED WITH BACKER ROD. APPLY JOINT SEALER WHERE EXISTING ASPHALT ABUTS CONCRETE / CURB / PAVEMENT / BUILDING. FOR PROJECTS WITH CRACK SEAL/Joint SEALER EXISTING PARKING LOT SHALL BE CLEANED AND SWEEP THOROUGHLY WHERE CRACK SEAL OR SURFACE SEALER TO BE APPLIED. CONTRACTOR SHALL UTILIZE THE APPROPRIATE CLEANING EQUIPMENT TO PREPARE EXISTING SURFACES FOR PROPOSED WORK IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. CONTRACTOR SHALL DISPOSE OF SEDIMENTS OFFSITE AT APPROPRIATE DISPOSAL FACILITY.
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- REFER TO CONCRETE NOTES ON C-001.
- ALLOWANCE AMOUNT INCLUDES QUANTITIES FOR: ADDITIONAL 12" UNDERCUTS REMOVAL / REPLACEMENT WITH ODOT 304 LIMESTONE WITH TRIAX GEOGRID. ADDITIONAL UNDERDRAINS. ADDITIONAL CONCRETE WALK REMOVAL / REPLACEMENT. ADDITIONAL CONCRETE PAVEMENT REMOVAL / REPLACEMENT. ADDITIONAL CURB REMOVAL / REPLACEMENT. ADDITIONAL FULL DEPTH ASPHALT PAVEMENT REMOVAL / REPLACEMENT, AND ADDITIONAL ASPHALT CRACK SEALER. ADDITIONAL CONCRETE JOINT GRINDING. ADDITIONAL CONCRETE JOINT REPAIR, AND ADDITIONAL CONCRETE PANEL LEVELING. PRIOR TO THE START OF CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL WALK ALL SITES WITH THE OWNER AND/OR OWNER'S AGENT/ENGINEER TO MARK THE AREAS TO BE IMPROVED WHICH MAY NOT BE SPECIFICALLY SHOWN ON PLANS FOR THE EXACT LIMITS. CONTRACTOR SHALL BE RESPONSIBLE FOR FULLY DOCUMENTING TRACKED QUANTITIES OF FIELD MARKED IMPROVEMENTS TO OBTAIN AN OFFICIAL APPROVAL TO PROCEED AND FOR PAYMENT REQUESTS.

PRIMARY WORK:	
CONCRETE PAVEMENT REMOVAL	1,080 SF
CONCRETE COLLAR	1 EA.
CONCRETE WALK	1,080 SF
ALTERNATE 1:	
CRACK FILL AND SEAL COAT	11,515 SY
ALTERNATE 2:	
CONCRETE COLLAR	5 EA.

NOTE: ALL QUANTITIES LISTED WITHIN THESE DOCUMENTS ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL ULTIMATELY BE RESPONSIBLE FOR ALL REQUIRED MATERIALS TO PERFORM THE WORK CONTAINED IN THE PLAN SET.

BASIS OF BEARING:
 STATE PLANE GRID NORTH, NAD 83 (2011),
 GEOID 12B, OHIO NORTH ZONE.
 TIED BY GPS TO THE O.D.O.T. VRS.

PLAN REPRODUCTION WARNING
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 THE PLANS HAVE BEEN CREATED FOR FULL COLOR PLOTTING. ANY SET OF PLANS THAT IS NOT PLOTTED IN FULL COLOR SHALL NOT BE CONSIDERED ADEQUATE FOR CONSTRUCTION PURPOSES.
 WARNING INFORMATION MAY BE LOST IN COPYING AND/OR GRAY SCALE PLOTTING.

REV.	DATE	DESCRIPTION

CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS PAVEMENT MAINTENANCE PLANS
HEIGHTS HIGH SCHOOL PAVEMENT MAINTENANCE PLAN
 13263 CEDAR RD, CLEVELAND HTS.

ISSUED FOR:	
PERMIT	XX/XX/XX
BID	XX/XX/XX
CONSTRUCTION	XX/XX/XX
RECORD	XX/XX/XX
PROJECT MANAGER	DESIGNER
KB	PE
JOB NO. 2024086.01	
C-115	

DESCRIPTION	
DATE	
REV.	



**CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS
PAVEMENT MAINTENANCE PLANS**

**DELISLE OPTIONS CENTER
PAVEMENT MAINTENANCE PLAN
14780 SUPERIOR RD, CLEVELAND HTS.**

ISSUED FOR:	
PERMIT	XX/XX/XX
BID	XX/XX/XX
CONSTRUCTION	XX/XX/XX
RECORD	XX/XX/XX
PROJECT MANAGER	DESIGNER
KB	PE

JOB NO.
2024086.01

C-116

LEGEND
(SEE SHEET C-001 FOR GENERAL LEGEND)

PRIMARY WORK CONSTRUCTION KEYNOTE
ALTERNATE 1 CONSTRUCTION KEYNOTE
ALTERNATE 2 CONSTRUCTION KEYNOTE

PRIMARY WORK: PROPOSED FULL DEPTH CONCRETE PAVEMENT REPLACEMENT.
PRIMARY WORK: PROPOSED FULL DEPTH ASPHALT PAVEMENT REPLACEMENT.
PRIMARY WORK: PROPOSED JOINT GRINDING/ LEVELING.

ALTERNATE 1: PROPOSED MILL AND FILL.
ALTERNATE 1: PROPOSED CRACK SEAL. SEE GENERAL NOTES THIS SHEET.
ALTERNATE 1: PROPOSED CRACK SEAL AND SEAL COAT.
ALTERNATE 2: PROPOSED FULL DEPTH CONCRETE PAVEMENT REPLACEMENT.
ALTERNATE 2: PROPOSED MILL AND FILL.

EXISTING TRANSVERSE STRIPING
EXISTING PAINTED INTERNATIONAL ADA SYMBOL

KEY MAP
N.T.S.

PLAN KEYNOTES

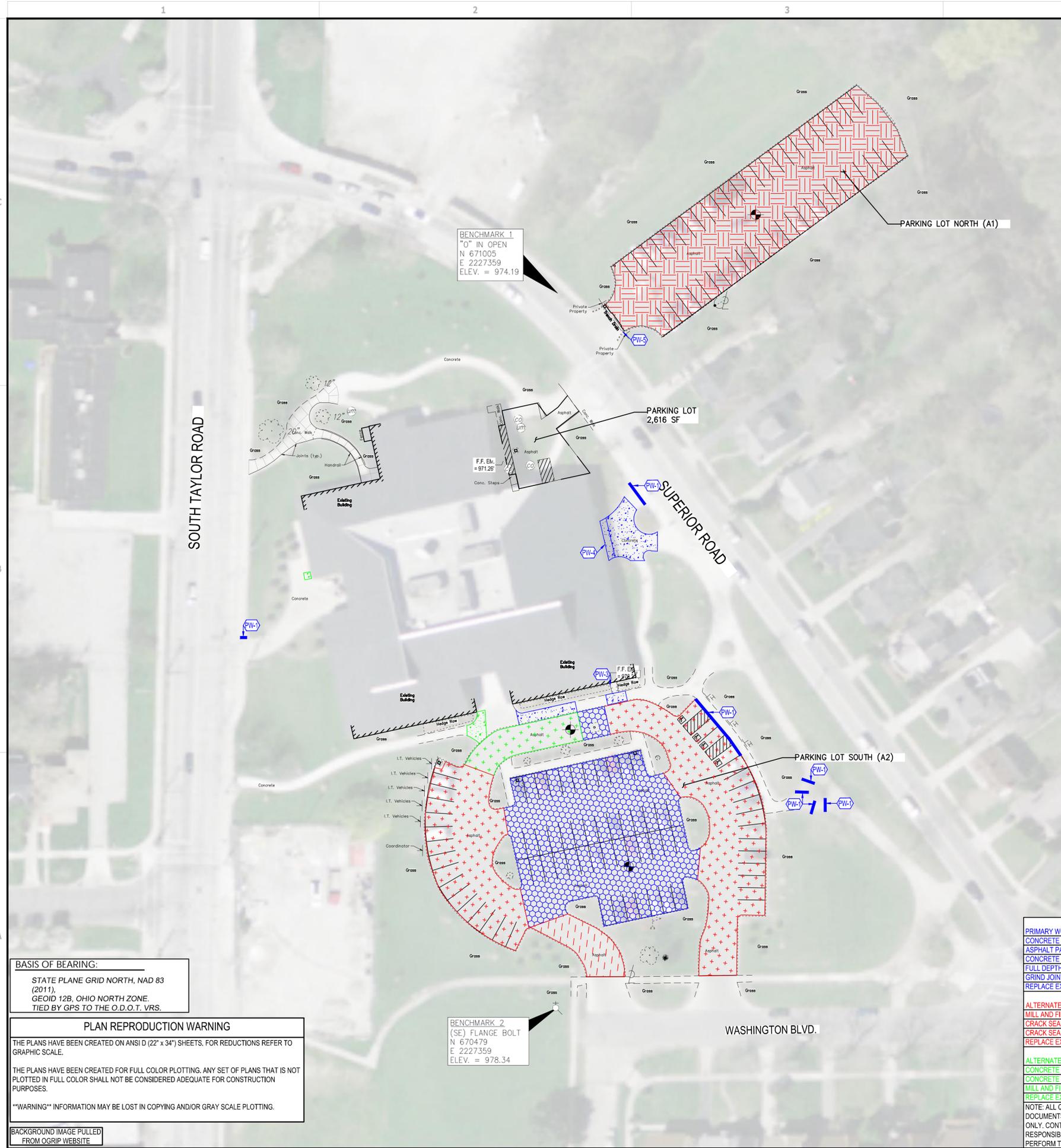
- JOINT TO BE GROUND. PER ADA SPECIFICATIONS.
- PROPOSED CONCRETE COLLAR. SEE SHEET C-500.
- PROPOSED HANDRAIL. SEE SHEET C-502.
- PROPOSED FROST SLAB AT EXISTING BUILDING. SEE SHEET C-501.
- ASPHALT PAVEMENT PATCH, MINIMUM 1.5" DEPTH WITH CLEAN SAWCUT/MILLED VERTICAL EDGES AROUND PREVIOUSLY INFILLED CONCRETE TRENCH.

GENERAL SHEET NOTES

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PRIMARY WORK:	
CONCRETE PAVEMENT REMOVAL	1,596 SF
ASPHALT PAVEMENT REMOVAL	1,565 SY
CONCRETE WALK	1,596 SF
FULL DEPTH ASPHALT PAVEMENT	1,565 SY
GRIND JOINT	98 LF
REPLACE EXISTING PAVEMENT MARKINGS	LUMP
ALTERNATE 1:	
MILL AND FILL ASPHALT PAVEMENT	1,737 SY
CRACK SEAL ASPHALT	188 SY
CRACK SEAL AND SEAL COAT ASPHALT	1,683 SY
REPLACE EXISTING PAVEMENT MARKINGS	LUMP
ALTERNATE 2:	
CONCRETE PAVEMENT REMOVAL	256 SF
CONCRETE WALK	256 SF
MILL AND FILL ASPHALT PAVEMENT	198 SY
REPLACE EXISTING MARKINGS	LUMP

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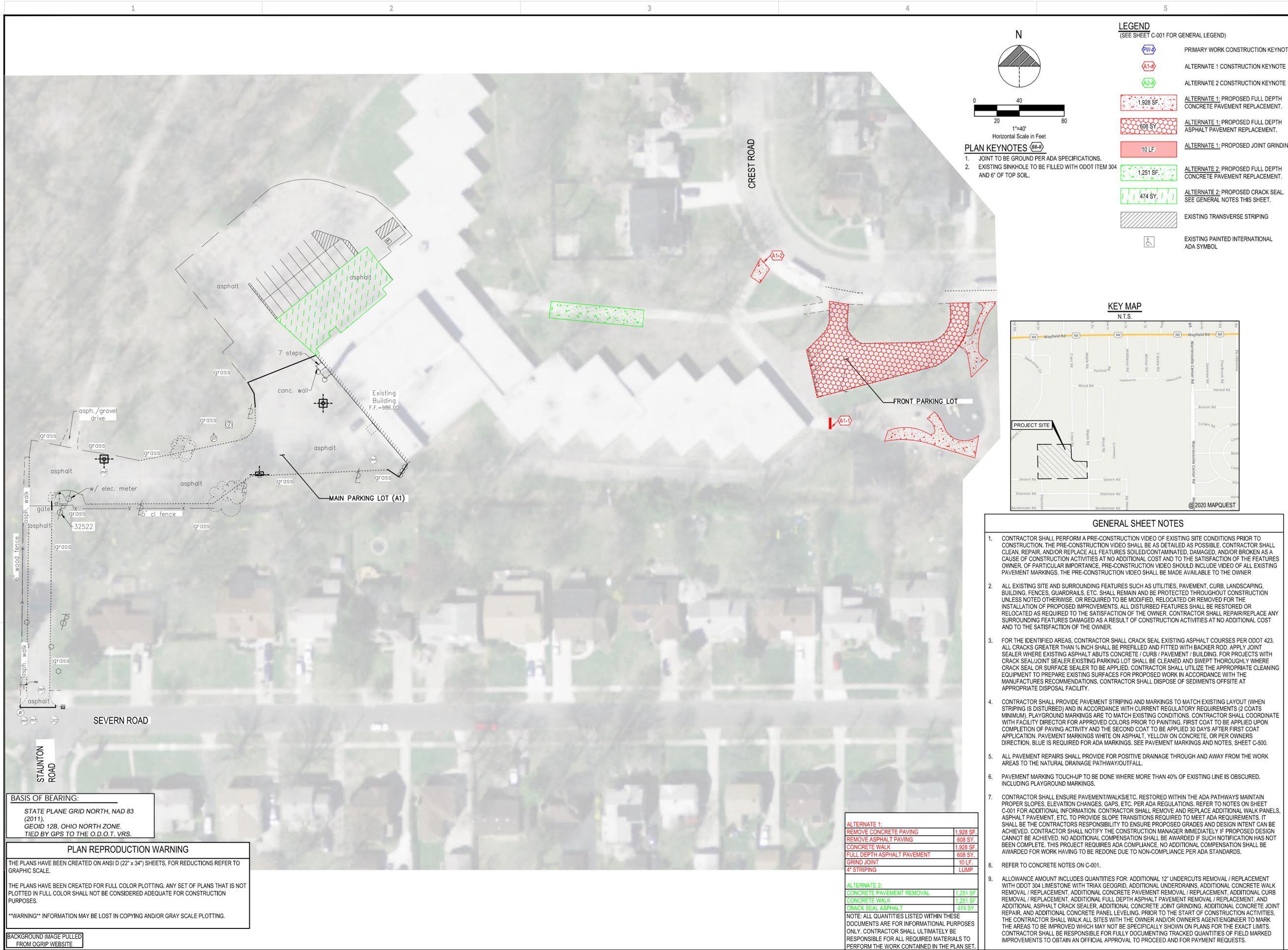


BASIS OF BEARING:
STATE PLANE GRID NORTH, NAD 83 (2011), GEOID 12B, OHIO NORTH ZONE. TIED BY GPS TO THE O.D.O.T. VRS.

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BACKGROUND IMAGE PULLED FROM OGRIP WEBSITE

Drawing Name: C:\2024\2024086 CH-UH_CSD\01_Sidewalks And Pmnt Prgram\1_ Working Files\00_ (software Version Year)
 CAD\0_Sheets\8-C-17_Millkin.dwg
 September 20, 2024 8:34 AM - PEYerman



LEGEND
(SEE SHEET C-001 FOR GENERAL LEGEND)

	PRIMARY WORK CONSTRUCTION KEYNOTE
	ALTERNATE 1 CONSTRUCTION KEYNOTE
	ALTERNATE 2 CONSTRUCTION KEYNOTE
	ALTERNATE 1: PROPOSED FULL DEPTH CONCRETE PAVEMENT REPLACEMENT.
	ALTERNATE 1: PROPOSED FULL DEPTH ASPHALT PAVEMENT REPLACEMENT.
	ALTERNATE 1: PROPOSED JOINT GRINDING.
	ALTERNATE 2: PROPOSED FULL DEPTH CONCRETE PAVEMENT REPLACEMENT.
	ALTERNATE 2: PROPOSED CRACK SEAL SEE GENERAL NOTES THIS SHEET.
	EXISTING TRANSVERSE STRIPING
	EXISTING PAINTED INTERNATIONAL ADA SYMBOL

PLAN KEYNOTES (###-#)

- JOINT TO BE GROUND PER ADA SPECIFICATIONS.
- EXISTING SINKHOLE TO BE FILLED WITH ODOT ITEM 304 AND 6" OF TOP SOIL.



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- ALLOWANCE AMOUNT INCLUDES QUANTITIES FOR: ADDITIONAL 12" UNDERCUTS REMOVAL / REPLACEMENT WITH ODOT 304 LESTONE WITH TRIAX GEOGRID, ADDITIONAL UNDERDRAINS, ADDITIONAL CONCRETE WALK REMOVAL / REPLACEMENT, ADDITIONAL CONCRETE PAVEMENT REMOVAL / REPLACEMENT, ADDITIONAL CURB REMOVAL / REPLACEMENT, ADDITIONAL FULL DEPTH ASPHALT PAVEMENT REMOVAL / REPLACEMENT, AND ADDITIONAL ASPHALT CRACK SEALER, ADDITIONAL CONCRETE JOINT GRINDING, ADDITIONAL CONCRETE JOINT REPAIR, AND ADDITIONAL CONCRETE PANEL LEVELING. PRIOR TO THE START OF CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL WALK ALL SITES WITH THE OWNER AND/OR OWNER'S AGENT/ENGINEER TO MARK THE AREAS TO BE IMPROVED WHICH MAY NOT BE SPECIFICALLY SHOWN ON PLANS FOR THE EXACT LIMITS. CONTRACTOR SHALL BE RESPONSIBLE FOR FULLY DOCUMENTING TRACKED QUANTITIES OF FIELD MARKED IMPROVEMENTS TO OBTAIN AN OFFICIAL APPROVAL TO PROCEED AND FOR PAYMENT REQUESTS.

ALTERNATE 1:	
REMOVE CONCRETE PAVING	1,928 SF
REMOVE ASPHALT PAVING	608 SY
CONCRETE WALK	1,251 SF
FULL DEPTH ASPHALT PAVEMENT	608 SY
GRIND JOINT	10 LF
4" STRIPING	LUMP
ALTERNATE 2:	
CONCRETE PAVEMENT REMOVAL	1,251 SF
CONCRETE WALK	1,251 SF
CRACK SEAL ASPHALT	474 SY

NOTE: ALL QUANTITIES LISTED WITHIN THESE DOCUMENTS ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL ULTIMATELY BE RESPONSIBLE FOR ALL REQUIRED MATERIALS TO PERFORM THE WORK CONTAINED IN THE PLAN SET.

BASIS OF BEARING:
 STATE PLANE GRID NORTH, NAD 83 (2011),
 GEOID 12B, OHIO NORTH ZONE.
 TIED BY GPS TO THE O.D.O.T. VRS.

PLAN REPRODUCTION WARNING
 THE PLANS HAVE BEEN CREATED ON ANSI D (22" x 34") SHEETS. FOR REDUCTIONS REFER TO GRAPHIC SCALE.
 THE PLANS HAVE BEEN CREATED FOR FULL COLOR PLOTTING. ANY SET OF PLANS THAT IS NOT PLOTTED IN FULL COLOR SHALL NOT BE CONSIDERED ADEQUATE FOR CONSTRUCTION PURPOSES.
 WARNING INFORMATION MAY BE LOST IN COPYING AND/OR GRAY SCALE PLOTTING.
 BACKGROUND IMAGE PULLED FROM OGRIP WEBSITE

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 Akron, OH 44311
 330.572.2100 Fax 330.572.2101
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Cleveland University Heights
 City School District

DESCRIPTION	
DATE	
REV.	

LEONARDO A. SFERRA
 E-71842
 REGISTERED PROFESSIONAL ENGINEER
 09/20/24

CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS PAVEMENT MAINTENANCE PLANS

MILLIKIN SCHOOL PAVEMENT MAINTENANCE PLAN 1706 S WOOD RD, CLEVELAND HTS.

ISSUED FOR:	
PERMIT	XX/XX/XX
BID	XX/XX/XX
CONSTRUCTION	XX/XX/XX
RECORD	XX/XX/XX
PROJECT MANAGER	DESIGNER
KB	PE

JOB NO.
2024086.01

C-117

REV.	DATE	DESCRIPTION



**CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS
PAVEMENT MAINTENANCE PLANS**

**NOBLE ELEMENTARY SCHOOL
PAVEMENT MAINTENANCE PLAN
1293 ARDOON ST #1601, CLEVELAND HTS.**

ISSUED FOR:	
PERMIT	XX/XX/XX
BID	XX/XX/XX
CONSTRUCTION	XX/XX/XX
RECORD	XX/XX/XX
PROJECT MANAGER	DESIGNER
KB	PE

JOB NO.
2024086.01

C-118

LEGEND
(SEE SHEET C-001 FOR GENERAL LEGEND)

PLAN KEYNOTES

- JOINT TO BE GROUND PER ADA SPECIFICATIONS.
- FULL DEPTH JOINT REPAIR. SEE SHEET C-500.
- PROPOSED CONCRETE COLLAR. SEE SHEET C-500.
- REPLACE CONCRETE.
- CUT JOINTS INTO CONCRETE AND SEAL PER ACI.
- ASPHALT PAVEMENT PATCH, MINIMUM 1.5" DEPTH WITH CLEAN SAWCUT/MILLED VERTICAL EDGES AROUND PREVIOUSLY INFILLED CONCRETE TRENCH.
- REPLACED CONCRETE WITHIN ADA PARKING AND ADA ACCESSIBLE PATHWAYS SHALL NOT EXCEED CONSTRUCTED SLOPES 2.0% IN ANY DIRECTION FOR PARKING AREAS AND 5.0% MAXIMUM RUNNING SLOPES AND 2.0% MAXIMUM CROSS SLOPE IN ACCESSIBLE PATHWAYS. PROVIDE BLENDED TRANSITIONS TO SURROUNDING TIE-IN POINTS NOT EXCEEDING 8% OUTSIDE OF ADA PARKING AND ADA PATHWAYS.
- IF SECOND ALTERNATE 2 MILL AND FILL IS USED. REMOVE ALTERNATE 1 CRACK SEAL AND SEAL COAT.

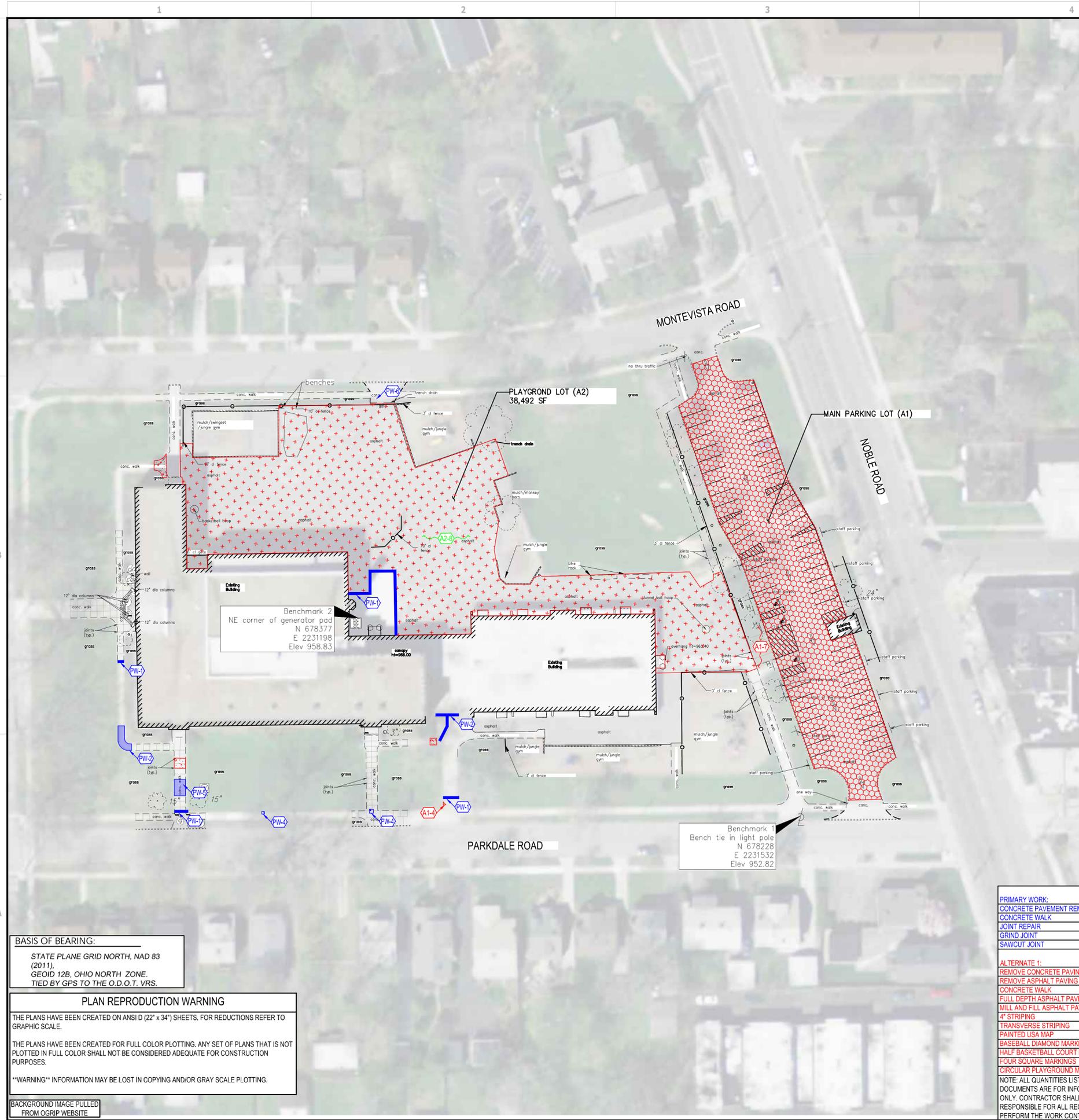
KEY MAP
N.T.S.

GENERAL SHEET NOTES

- CONTRACTOR SHALL PERFORM A PRE-CONSTRUCTION VIDEO OF EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. THE PRE-CONSTRUCTION VIDEO SHALL BE AS DETAILED AS POSSIBLE. CONTRACTOR SHALL CLEAN, REPAIR, AND/OR REPLACE ALL FEATURES SOILED/CONTAMINATED, DAMAGED, AND/OR BROKEN AS A CAUSE OF CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST AND TO THE SATISFACTION OF THE FEATURES OWNER. OF PARTICULAR IMPORTANCE, PRE-CONSTRUCTION VIDEO SHOULD INCLUDE VIDEO OF ALL EXISTING PAVEMENT MARKINGS. THE PRE-CONSTRUCTION VIDEO SHALL BE MADE AVAILABLE TO THE OWNER.
- ALL EXISTING SITE AND SURROUNDING FEATURES SUCH AS UTILITIES, PAVEMENT, CURB, LANDSCAPING, BUILDING, FENCES, GUARDRAILS, ETC. SHALL REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION UNLESS NOTED OTHERWISE, OR REQUIRED TO BE MODIFIED, RELOCATED OR REMOVED FOR THE INSTALLATION OF PROPOSED IMPROVEMENTS. ALL DISTURBED FEATURES SHALL BE RESTORED OR RELOCATED AS REQUIRED TO THE SATISFACTION OF THE OWNER. CONTRACTOR SHALL REPAIR/REPLACE ANY SURROUNDING FEATURES DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST AND TO THE SATISFACTION OF THE OWNER.
- FOR THE IDENTIFIED AREAS, CONTRACTOR SHALL CRACK SEAL EXISTING ASPHALT COURSES PER ODOT 423. ALL CRACKS GREATER THAN 1/4" INCH SHALL BE PREFILLED AND FITTED WITH BACKER ROD. APPLY JOINT SEALER WHERE EXISTING ASPHALT ABUTS CONCRETE / CURB / PAVEMENT / BUILDING. FOR PROJECTS WITH CRACK SEAL/Joint Sealer EXISTING PARKING LOT SHALL BE CLEANED AND SWEEP THOROUGHLY WHERE CRACK SEAL OR SURFACE SEALER TO BE APPLIED. CONTRACTOR SHALL UTILIZE THE APPROPRIATE CLEANING EQUIPMENT TO PREPARE EXISTING SURFACES FOR PROPOSED WORK IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL DISPOSE OF SEDIMENTS OFFSITE AT APPROPRIATE DISPOSAL FACILITY.
- CONTRACTOR SHALL PROVIDE PAVEMENT STRIPING AND MARKINGS TO MATCH EXISTING LAYOUT (WHEN STRIPING IS DISTURBED) AND IN ACCORDANCE WITH CURRENT REGULATORY REQUIREMENTS (2 COATS MINIMUM). PLAYGROUND MARKINGS ARE TO MATCH EXISTING CONDITIONS. CONTRACTOR SHALL COORDINATE WITH FACILITY DIRECTOR FOR APPROVED COLORS PRIOR TO PAINTING. FIRST COAT TO BE APPLIED UPON COMPLETION OF PAVING ACTIVITY AND THE SECOND COAT TO BE APPLIED 30 DAYS AFTER FIRST COAT APPLICATION. PAVEMENT MARKINGS WHITE ON ASPHALT, YELLOW ON CONCRETE. OR PER OWNERS DIRECTION, BLUE IS REQUIRED FOR ADA MARKINGS. SEE PAVEMENT MARKINGS AND NOTES, SHEET C-500.
- ALL PAVEMENT REPAIRS SHALL PROVIDE FOR POSITIVE DRAINAGE THROUGH AND AWAY FROM THE WORK AREAS TO THE NATURAL DRAINAGE PATHWAY/OUTFALL.
- PAVEMENT MARKING TOUCH-UP TO BE DONE WHERE MORE THAN 40% OF EXISTING LINE IS OBSCURED, INCLUDING PLAYGROUND MARKINGS.
- CONTRACTOR SHALL ENSURE PAVEMENT/WALKS/ETC. RESTORED WITHIN THE ADA PATHWAYS MAINTAIN PROPER SLOPES, ELEVATION CHANGES, GAPS, ETC. PER ADA REGULATIONS. REFER TO NOTES ON SHEET C-001 FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL REMOVE AND REPLACE ADDITIONAL WALK PANELS, ASPHALT PAVEMENT, ETC. TO PROVIDE SLOPE TRANSITIONS REQUIRED TO MEET ADA REQUIREMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE PROPOSED GRADES AND DESIGN INTENT CAN BE ACHIEVED. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER IMMEDIATELY IF PROPOSED DESIGN CANNOT BE ACHIEVED. NO ADDITIONAL COMPENSATION SHALL BE AWARDED IF SUCH NOTIFICATION HAS NOT BEEN COMPLETE. THIS PROJECT REQUIRES ADA COMPLIANCE. NO ADDITIONAL COMPENSATION SHALL BE AWARDED FOR WORK HAVING TO BE REDONE DUE TO NON-COMPLIANCE PER ADA STANDARDS.
- REFER TO CONCRETE NOTES ON C-001.
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PRIMARY WORK:	
CONCRETE PAVEMENT REMOVAL	13 SF.
CONCRETE WALK	13 SF.
JOINT REPAIR	67 LF.
GRIND JOINT	130 LF.
SAWCUT JOINT	25 LF.
ALTERNATE 1:	
REMOVE CONCRETE PAVING	197 SF.
REMOVE ASPHALT PAVING	2,147 SF.
CONCRETE WALK	197 SF.
FULL DEPTH ASPHALT PAVEMENT	2,147 SF.
MILL AND FILL ASPHALT PAVEMENT	3,817 SF.
4" STRIPING	LUMP
TRANSVERSE STRIPING	800 SF.
PAINTED USA MAP	545 SF.
BASEBALL DIAMOND MARKINGS	170 LF.
HALF BASKETBALL COURT MARKINGS	1 EA.
FOUR SQUARE MARKINGS	2 EA.
CIRCULAR PLAYGROUND MARKINGS	130 LF.

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BASIS OF BEARING:

STATE PLANE GRID NORTH, NAD 83 (2011), GEOID 12B, OHIO NORTH ZONE. TIED BY GPS TO THE O.D.O.T. VRS.

PLAN REPRODUCTION WARNING

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BACKGROUND IMAGE PULLED FROM OGRIP WEBSITE

Drawing Name: O:\2024\2024086 CH-UH_CSD01 Sidewalks And Pvmt Program\Working Files\00_software Version Year
 CAD/CSheets\9-C-118_Noble.dwg
 September 20, 2024 6:35 AM - PEYerman

REV.	DATE	DESCRIPTION



**CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS
PAVEMENT MAINTENANCE PLANS**

**OXFORD ELEMENTARY SCHOOL
PAVEMENT MAINTENANCE PLAN**

939 QUILLIAMS RD. #1946, CLEVELAND HTS.

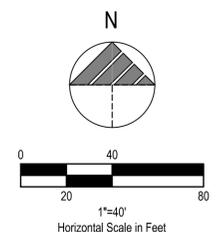
ISSUED FOR:	
PERMIT	XX/XX/XX
BID	XX/XX/XX
CONSTRUCTION	XX/XX/XX
RECORD	XX/XX/XX
PROJECT MANAGER	DESIGNER
KB	PE

JOB NO.
2024086.01

C-119

LEGEND
(SEE SHEET C-001 FOR GENERAL LEGEND)

	PRIMARY WORK CONSTRUCTION KEYNOTE
	ALTERNATE 1 CONSTRUCTION KEYNOTE
	ALTERNATE 2 CONSTRUCTION KEYNOTE
	PRIMARY WORK: PROPOSED FULL DEPTH CONCRETE PAVEMENT REPLACEMENT.
	PRIMARY WORK: PROPOSED FULL DEPTH ASPHALT PAVEMENT REPLACEMENT.
	ALTERNATE 1: PROPOSED FULL DEPTH CONCRETE PAVEMENT REPLACEMENT.
	ALTERNATE 1: PROPOSED FULL DEPTH ASPHALT PAVEMENT REPLACEMENT.
	ALTERNATE 1: PROPOSED JOINT REPAIR/GRINDING/LEVELING.
	ALTERNATE 1: PROPOSED CRACK SEAL AND SEAL COAT. SEE GENERAL NOTES THIS SHEET.
	ALTERNATE 1: ASPHALT PAVEMENT REMOVAL.
	ALTERNATE 2: PROPOSED MILL AND FILL.
	EXISTING TRANSVERSE STRIPING
	EXISTING PAINTED INTERNATIONAL ADA SYMBOL



PLAN KEYNOTES

- JOINT TO BE GROUND PER ADA SPECIFICATIONS.
- FULL DEPTH JOINT REPAIR. SEE SHEET C-500.
- CONCRETE PANEL LEVELING.
- PROPOSED CONCRETE COLLAR. SEE SHEET C-500.
- COVER EXPOSED REBAR WITH CONCRETE TO MATCH PROPOSED CURB.
- REMOVE AND REPLACE CONCRETE CURB.
- EXISTING ASPHALT PAVEMENT AND BASE TO BE REMOVED. CONTRACTOR SHALL PROVIDE AND INSTALL OWNER APPROVED PERIMETER EDGING/BARRIER MATERIAL TO BE APPROVED BY OWNER PRIOR TO ORDERING MATERIALS. PROVIDE AND PLACE 6" OF MULCH PER OWNER SPECIFICATIONS.
- PROPOSED RAMP TO PLAYGROUND. SEE SHEET C-501.

KEY MAP
N.T.S.

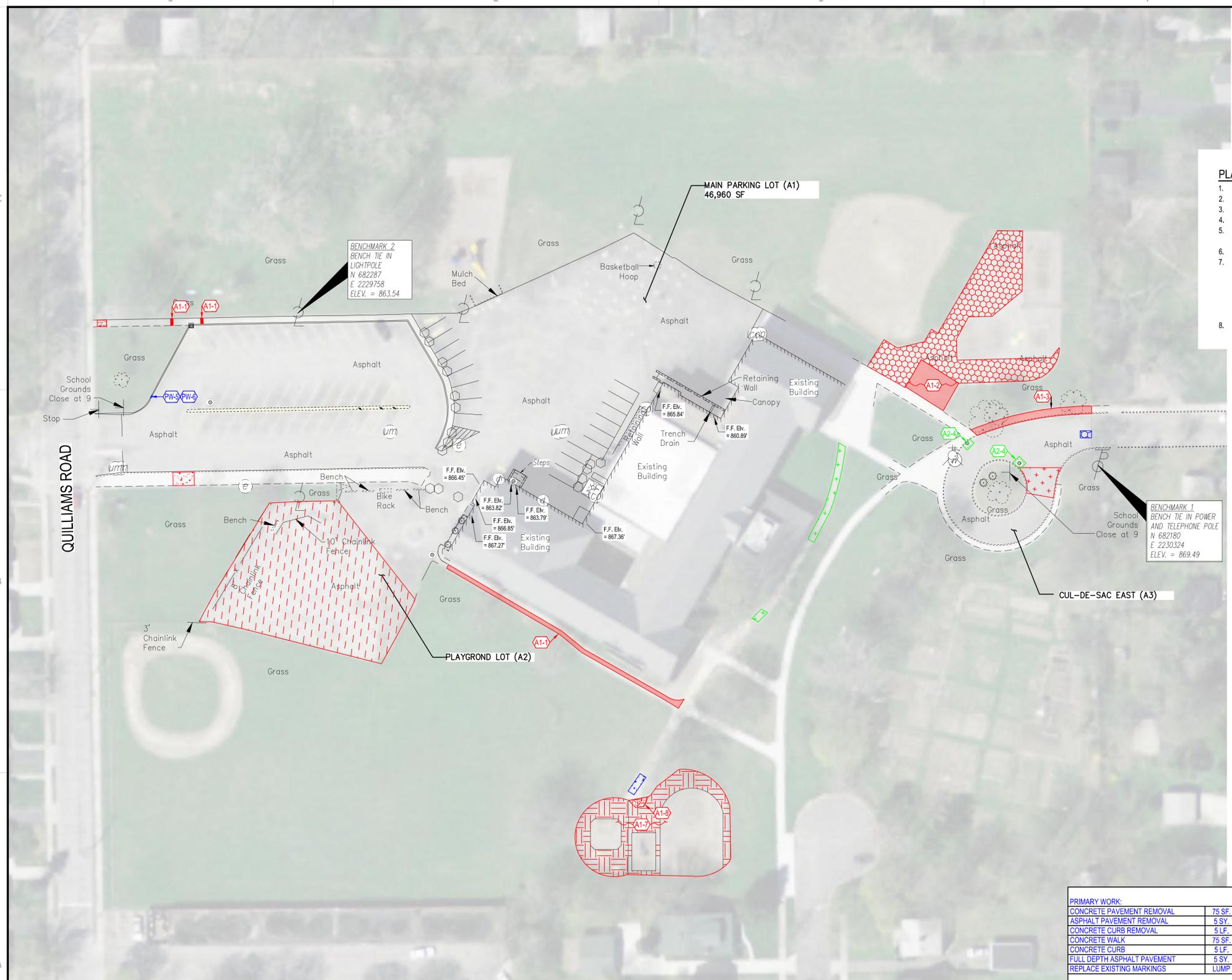


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PRIMARY WORK:	
CONCRETE PAVEMENT REMOVAL	75 SF.
ASPHALT PAVEMENT REMOVAL	5 SY.
CONCRETE CURB REMOVAL	5 LF.
CONCRETE WALK	75 SF.
CONCRETE CURB	5 LF.
FULL DEPTH ASPHALT PAVEMENT	5 SY.
REPLACE EXISTING MARKINGS	LUMP
ALTERNATE 1:	
REMOVE CONCRETE PAVING	174 SF.
REMOVE ASPHALT PAVING	839 SY.
CONCRETE WALK	234 SF.
FULL DEPTH ASPHALT PAVEMENT	512 SY.
CRACK SEAL AND SEAL COAT	1,212 SY.
GRIND JOINT	483 LF.
LEVELING CONCRETE	182 LF.
EDGING BARRIER	951 LF.
PLAYGROUND MULCH	85 SY.
REPLACE EXISTING PAVEMENT MARKINGS	LUMP
ALTERNATE 2:	
CONCRETE COLLAR	2 EA.
MILL AND FILL ASPHALT PAVEMENT	45 SY.
REPLACE EXISTING PAVEMENT MARKINGS	LUMP

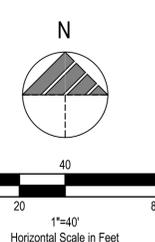
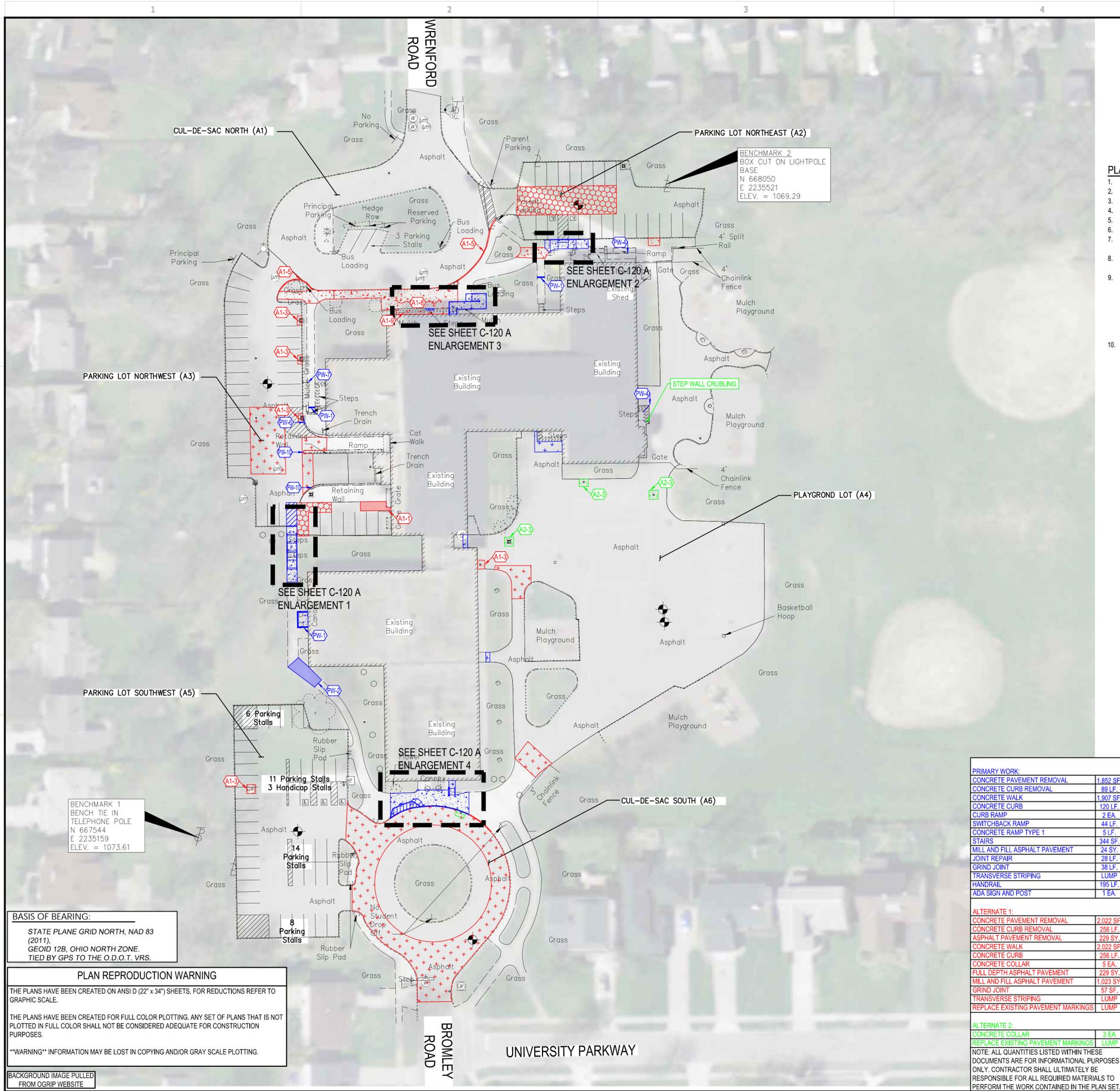
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BASIS OF BEARING:
STATE PLANE GRID NORTH, NAD 83 (2011), GEOID 12B, OHIO NORTH ZONE. TIED BY GPS TO THE O.D.O.T. VRS.

PLAN REPRODUCTION WARNING
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BACKGROUND IMAGE PULLED FROM OGRIP WEBSITE

Drawing Name: C:\2024\2024086 CH-UH CSD01 Sidewalks And Pmnt Program\Working Files\00_ (software Version Year)
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 September 20, 2024 8:36 AM - P. Eyrman



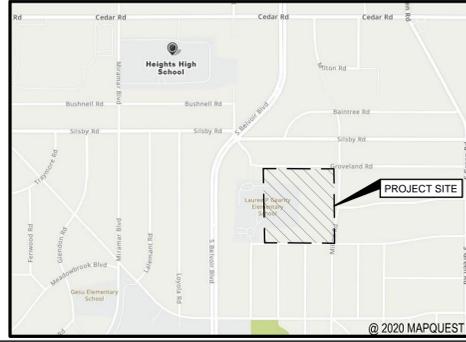
LEGEND
(SEE SHEET C-001 FOR GENERAL LEGEND)

	PRIMARY WORK CONSTRUCTION KEYNOTE
	ALTERNATE 1 CONSTRUCTION KEYNOTE
	ALTERNATE 2 CONSTRUCTION KEYNOTE
	PRIMARY WORK: PROPOSED FULL DEPTH CONCRETE PAVEMENT REPLACEMENT.
	PRIMARY WORK: PROPOSED MILL AND FILL.
	PRIMARY WORK: PROPOSED JOINT REPAIR/GRINDING/LEVELING.
	ALTERNATE 1: PROPOSED FULL DEPTH CONCRETE PAVEMENT REPLACEMENT.
	ALTERNATE 1: PROPOSED FULL DEPTH ASPHALT PAVEMENT REPLACEMENT.
	ALTERNATE 1: PROPOSED MILL AND FILL.
	ALTERNATE 1: PROPOSED JOINT REPAIR/LEVELING.
	EXISTING TRANSVERSE STRIPING
	EXISTING PAINTED INTERNATIONAL ADA SYMBOL

PLAN KEYNOTES

- JOINT TO BE GROUND, PER ADA SPECIFICATIONS.
- FULL DEPTH JOINT REPAIR. SEE SHEET C-501.
- PROPOSED CONCRETE COLLAR. SEE SHEET C-500.
- PROPOSED HANDRAIL. SEE SHEET C-502.
- REPLACE CURB.
- CUT CURB FLUSH.
- TRIM WOODEN LANDSCAPING TO REMOVE TRIPPING HAZARD.
- ALTERNATE - REMOVE STAIRS. REFER TO STRUCTURAL PLANS FOR INFILL BASEMENT WALL AND BACKFILL. REMOVE AND REPLACE STEPS. INFILL BASEMENT WALL AND SPACE BENEATH STEPS FOR STEPS TO BE ON GRADE. NOTE, ADDITIONAL STRUCTURAL DETAILING IS REQUIRED FOR FINAL INITIATION - REFER TO RECORD BUILDING DRAWINGS. CONTRACTOR SHALL ATTAIN FIELD MEASUREMENTS OF BELOW GRADE CONDITIONS.
- REPLACE EXISTING HANDRAIL.

KEY MAP
N.T.S.

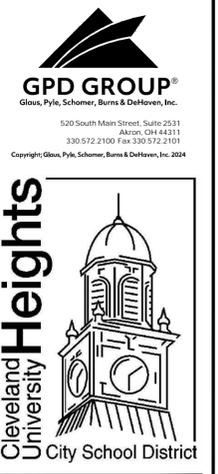


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- CONTRACTOR SHALL PERFORM A PRE-CONSTRUCTION VIDEO OF EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. THE PRE-CONSTRUCTION VIDEO SHALL BE AS DETAILED AS POSSIBLE. CONTRACTOR SHALL CLEAN, REPAIR, AND/OR REPLACE ALL FEATURES SOILED/CONTAMINATED, DAMAGED, AND/OR BROKEN AS A CAUSE OF CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST AND TO THE SATISFACTION OF THE FEATURES OWNER. OF PARTICULAR IMPORTANCE, PRE-CONSTRUCTION VIDEO SHOULD INCLUDE VIDEO OF ALL EXISTING PAVEMENT MARKINGS. THE PRE-CONSTRUCTION VIDEO SHALL BE MADE AVAILABLE TO THE OWNER.
- ALL EXISTING SITE AND SURROUNDING FEATURES SUCH AS UTILITIES, PAVEMENT, CURB, LANDSCAPING, BUILDING, FENCES, GUARDRAILS, ETC. SHALL REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION UNLESS NOTED OTHERWISE, OR REQUIRED TO BE MODIFIED, RELOCATED OR REMOVED FOR THE INSTALLATION OF PROPOSED IMPROVEMENTS. ALL DISTURBED FEATURES SHALL BE RESTORED OR RELOCATED AS REQUIRED TO THE SATISFACTION OF THE OWNER. CONTRACTOR SHALL REPAIR/REPLACE ANY SURROUNDING FEATURES DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST AND TO THE SATISFACTION OF THE OWNER.
- FOR THE IDENTIFIED AREAS, CONTRACTOR SHALL CRACK SEAL EXISTING ASPHALT COURSES PER ODOT 423. ALL CRACKS GREATER THAN 1/4 INCH SHALL BE PREFILLED AND FITTED WITH BACKER ROD. APPLY JOINT SEALER WHERE EXISTING ASPHALT ABUTS CONCRETE / CURB / PAVEMENT / BUILDING. FOR PROJECTS WITH CRACK SEAL OR SURFACE SEALER TO BE APPLIED, CONTRACTOR SHALL UTILIZE THE APPROPRIATE CLEANING EQUIPMENT TO PREPARE EXISTING SURFACES FOR PROPOSED WORK IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL DISPOSE OF SEDIMENTS OFFSITE AT APPROPRIATE DISPOSAL FACILITY.
- CONTRACTOR SHALL PROVIDE PAVEMENT STRIPING AND MARKINGS TO MATCH EXISTING LAYOUT (WHEN STRIPING IS DISTURBED) AND IN ACCORDANCE WITH CURRENT REGULATORY REQUIREMENTS (2 COATS MINIMUM). PLAYGROUND MARKINGS ARE TO MATCH EXISTING CONDITIONS. CONTRACTOR SHALL COORDINATE WITH FACILITY DIRECTOR FOR APPROVED COLORS PRIOR TO PAINTING. FIRST COAT TO BE APPLIED UPON COMPLETION OF PAVING ACTIVITY AND THE SECOND COAT TO BE APPLIED 30 DAYS AFTER FIRST COAT APPLICATION. PAVEMENT MARKINGS WHITE ON ASPHALT, YELLOW ON CONCRETE. OR PER OWNERS DIRECTION, BLUE IS REQUIRED FOR ADA MARKINGS. SEE PAVEMENT MARKINGS AND NOTES, SHEET C-500.
- ALL PAVEMENT REPAIRS SHALL PROVIDE FOR POSITIVE DRAINAGE THROUGH AND AWAY FROM THE WORK AREAS TO THE NATURAL DRAINAGE PATHWAY/OUTFALL.
- PAVEMENT MARKING TOUCH-UP TO BE DONE WHERE MORE THAN 40% OF EXISTING LINE IS OBSCURED, INCLUDING PLAYGROUND MARKINGS.
- CONTRACTOR SHALL ENSURE PAVEMENT/WALKS/ETC. RESTORED WITHIN THE ADA PATHWAYS MAINTAIN PROPER SLOPES, ELEVATION CHANGES, GAPS, ETC. PER ADA REGULATIONS. REFER TO NOTES ON SHEET C-001 FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL REMOVE AND REPLACE ADDITIONAL WALK PANELS, ASPHALT PAVEMENT, ETC. TO PROVIDE SLOPE TRANSITIONS REQUIRED TO MEET ADA REQUIREMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS AND DESIGN INTENT CAN BE ACHIEVED. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER IMMEDIATELY IF PROPOSED DESIGN CANNOT BE ACHIEVED. NO ADDITIONAL COMPENSATION SHALL BE AWARDED IF SUCH NOTIFICATION HAS NOT BEEN COMPLETE. THIS PROJECT REQUIRES ADA COMPLIANCE. NO ADDITIONAL COMPENSATION SHALL BE AWARDED FOR WORK HAVING TO BE REDONE DUE TO NON-COMPLIANCE PER ADA STANDARDS.
- REFER TO CONCRETE NOTES ON C-001.
- ALLOWANCE AMOUNT INCLUDES QUANTITIES FOR: ADDITIONAL 12" UNDERCUTS REMOVAL / REPLACEMENT WITH ODOT 304 LIMESTONE WITH TRIAX GEOGRID; ADDITIONAL UNDERDRAINS; ADDITIONAL CONCRETE WALK REMOVAL / REPLACEMENT; ADDITIONAL CONCRETE PAVEMENT REMOVAL / REPLACEMENT; ADDITIONAL CURB REMOVAL / REPLACEMENT; ADDITIONAL FULL DEPTH ASPHALT PAVEMENT REMOVAL / REPLACEMENT; AND ADDITIONAL ASPHALT CRACK SEALER; ADDITIONAL CONCRETE JOINT GRINDING; ADDITIONAL CONCRETE JOINT REPAIR; AND ADDITIONAL CONCRETE PANEL LEVELING. PRIOR TO THE START OF CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL WALK ALL SITES WITH THE OWNER AND/OR OWNER'S AGENT/ENGINEER TO MARK THE AREAS TO BE IMPROVED WHICH MAY NOT BE SPECIFICALLY SHOWN ON PLANS AND THE EXACT LIMITS. CONTRACTOR SHALL BE RESPONSIBLE FOR FULL DOCUMENTING TRACKED QUANTITIES OF FIELD MARKED IMPROVEMENTS TO OBTAIN AN OFFICIAL APPROVAL TO PROCEED AND FOR PAYMENT REQUESTS.

PRIMARY WORK:	
CONCRETE PAVEMENT REMOVAL	1,852 SF
CONCRETE CURB REMOVAL	89 LF
CONCRETE WALK	1,907 SF
CONCRETE CURB	120 LF
CURB RAMP	2 EA
SWITCHBACK RAMP	44 LF
CONCRETE RAMP TYPE 1	6 LF
STAIRS	344 SF
MILL AND FILL ASPHALT PAVEMENT	24 SY
JOINT REPAIR	28 LF
GRIND JOINT	38 LF
TRANSVERSE STRIPING	LUMP
HANDRAIL	195 LF
ADA SIGN AND POST	1 EA
ALTERNATE 1:	
CONCRETE PAVEMENT REMOVAL	2,022 SF
CONCRETE CURB REMOVAL	258 LF
ASPHALT PAVEMENT REMOVAL	229 SY
CONCRETE WALK	2,022 SF
CONCRETE CURB	256 LF
CONCRETE COLLAR	5 EA
FULL DEPTH ASPHALT PAVEMENT	229 SY
MILL AND FILL ASPHALT PAVEMENT	1,023 SY
GRIND JOINT	57 LF
TRANSVERSE STRIPING	LUMP
REPLACE EXISTING PAVEMENT MARKINGS	LUMP
ALTERNATE 2:	
CONCRETE COLLAR	3 EA
REPLACE EXISTING PAVEMENT MARKINGS	LUMP

NOTE: ALL QUANTITIES LISTED WITHIN THESE DOCUMENTS ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL ULTIMATELY BE RESPONSIBLE FOR ALL REQUIRED MATERIALS TO PERFORM THE WORK CONTAINED IN THE PLAN SET.



REV.	DATE	DESCRIPTION



CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS
 PAVEMENT MAINTENANCE PLANS

GEARITY ELEMENTARY SCHOOL
 PAVEMENT MAINTENANCE PLAN
 2323 WRENFORD RD, UNIVERSITY HTS.

ISSUED FOR:	
PERMIT	XX/XX/XX
BID	XX/XX/XX
CONSTRUCTION	XX/XX/XX
RECORD	XX/XX/XX
PROJECT MANAGER	DESIGNER
KB	PE

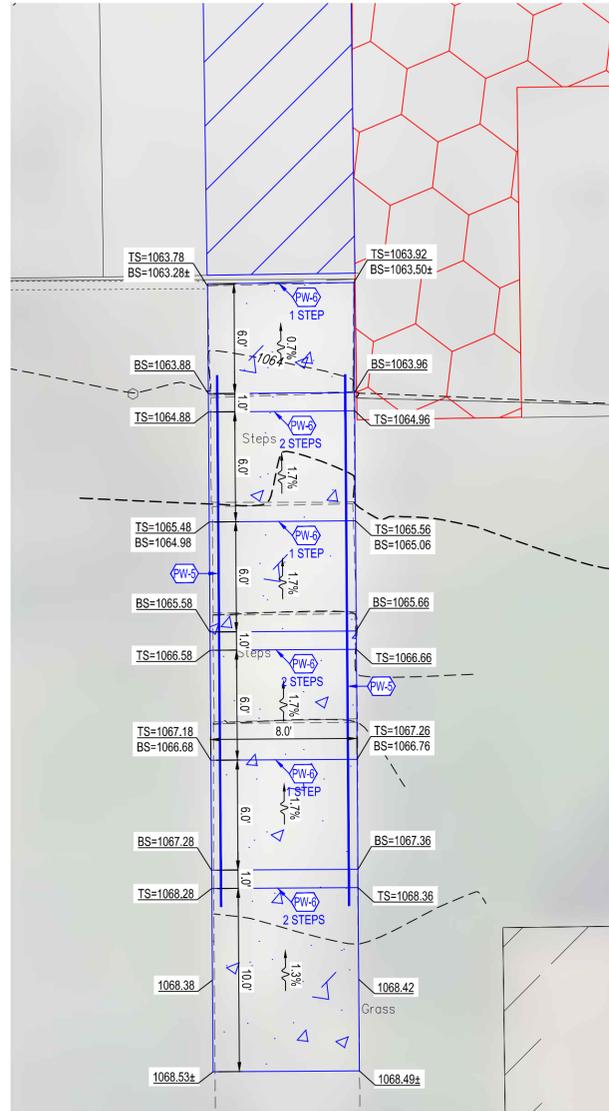
JOB NO.
2024086.01

C-120

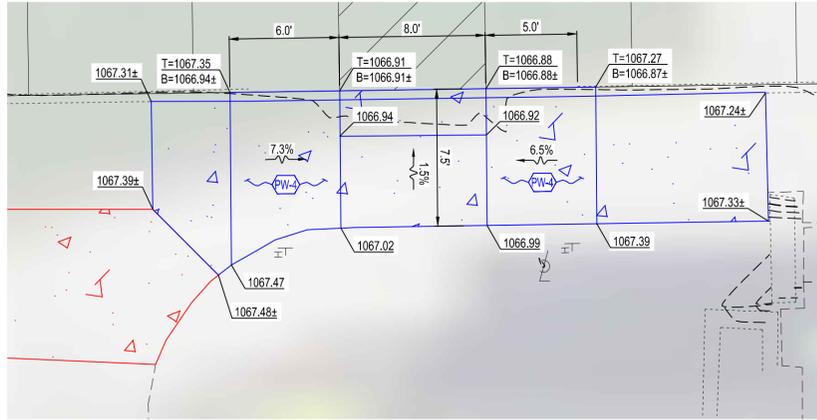
BASIS OF BEARING:
 STATE PLANE GRID NORTH, NAD 83 (2011), GEOID 12B, OHIO NORTH ZONE. TIED BY GPS TO THE O.D.O.T. VRS.

PLAN REPRODUCTION WARNING
 THE PLANS HAVE BEEN CREATED ON ANSI D (22" x 34") SHEETS. FOR REDUCTIONS REFER TO GRAPHIC SCALE.
 THE PLANS HAVE BEEN CREATED FOR FULL COLOR PLOTTING. ANY SET OF PLANS THAT IS NOT PLOTTED IN FULL COLOR SHALL NOT BE CONSIDERED ADEQUATE FOR CONSTRUCTION PURPOSES.
 WARNING INFORMATION MAY BE LOST IN COPYING AND/OR GRAY SCALE PLOTTING.
 BACKGROUND IMAGE PULLED FROM OGRIP WEBSITE

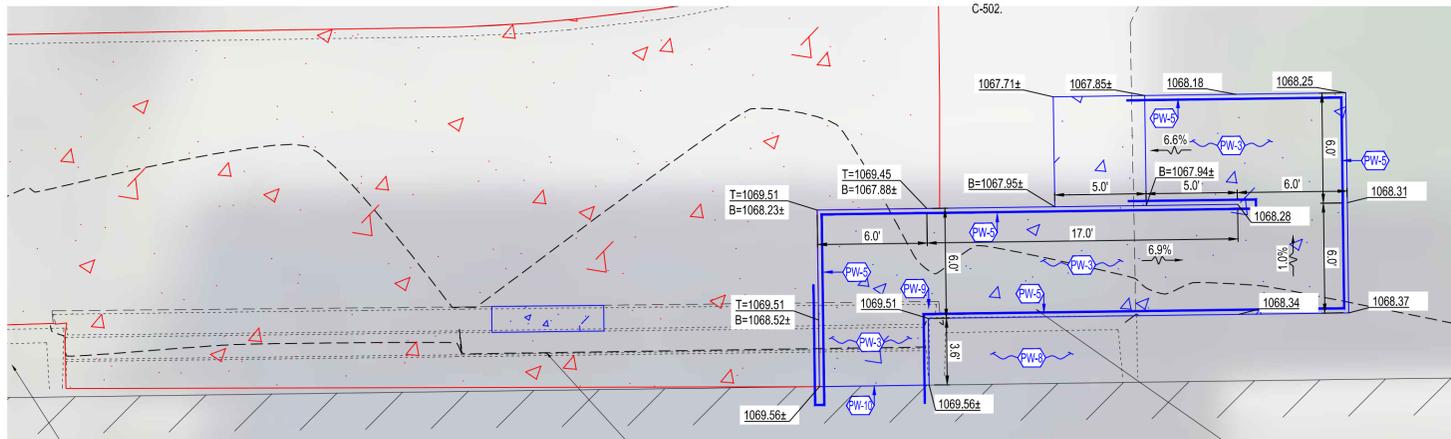
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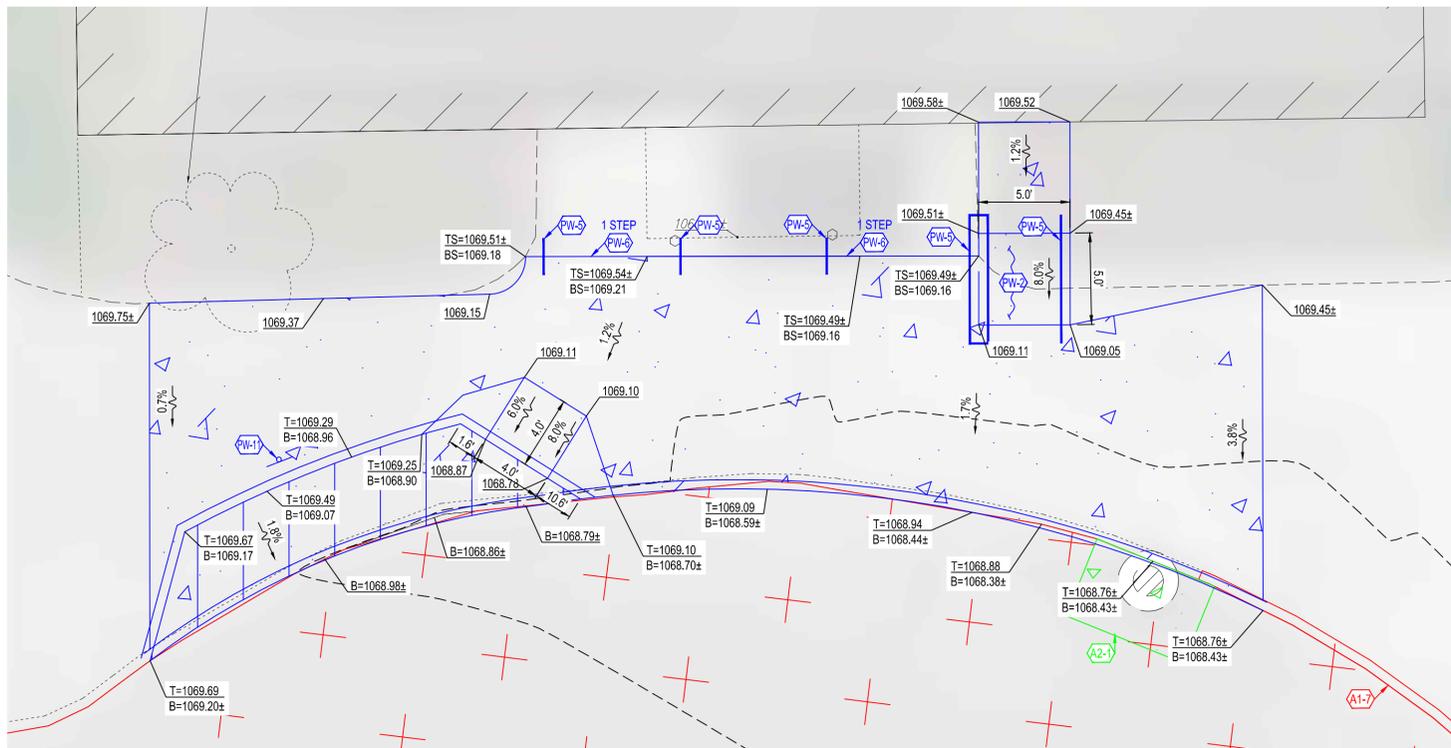
ENLARGEMENT 1



ENLARGEMENT 2



ENLARGEMENT 3



ENLARGEMENT 4

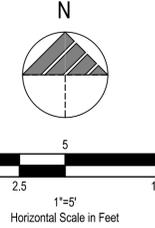
PLAN KEYNOTES (###)

1. PROPOSED CONCRETE COLLAR. SEE SHEET C-500.
2. PROPOSED ADA ACCESSIBLE RAMP TYPE 1. SEE SHEET C-502.
3. PROPOSED ADA ACCESSIBLE RAMP TYPE 2. SEE SHEET C-502.
4. PROPOSED CURB RAMP. SEE SHEET C-502.
5. PROPOSED HANDRAIL. SEE SHEET C-502.
6. PROPOSED STEPS WITH HANDRAILS. SEE SHEET C-502. SEE PLAN VIEW FOR STEP COUNT.
7. REPLACE WITH DEPRESSED CURB. SEE SHEET C-500.
8. EXISTING PLANTER TO REMAIN.
9. EXISTING HANDRAIL TO BE REMOVED.
10. PROPOSED ATTACHMENT OF PROPOSED RAMP TO EXISTING BUILDING. CONTRACTOR SHALL WORK WITH OWNERS STRUCTURAL ENGINEER FOR FINAL DETERMINATION OF LIMITS OF REMOVAL AND RECONSTRUCTION DETAILS. ANTICIPATED FORM WORK WITHIN CRAWL SPACE AREA BENEATH STEPS FOR PROPOSED RAMP TO BE PINNED TO EXISTING FOUNDATIONS / WALLS SIMILAR TO OTHER DETAILS WITHIN PLANS.
11. PROPOSED ACCESSIBLE PASSENGER LOADING ZONE SIGN. SEE SHEET C-502.

LEGEND

(SEE SHEET C-001 FOR GENERAL LEGEND)
 SEE SHEET C-120 FOR TOTAL SITE QUANTITIES

- PRIMARY WORK CONSTRUCTION KEYNOTE
- ALTERNATE 1 CONSTRUCTION KEYNOTE
- ALTERNATE 2 CONSTRUCTION KEYNOTE
- PRIMARY WORK: PROPOSED FULL DEPTH CONCRETE PAVEMENT REPLACEMENT.
- ALTERNATE 1: PROPOSED FULL DEPTH CONCRETE PAVEMENT REPLACEMENT.
- ALTERNATE 1: PROPOSED FULL DEPTH ASPHALT PAVEMENT REPLACEMENT.
- PROPOSED ELEVATION @ FINISHED GROUND ELEVATION
- TOP OF CURB ELEVATION
- BOTTOM OF CURB/FINISHED PAVEMENT ELEVATION
- TOP OF STEP ELEVATION
- BOTTOM OF STEP/FINISHED PAVEMENT ELEVATION



BASIS OF BEARING:
 STATE PLANE GRID NORTH, NAD 83 (2011),
 GEOID 12B, OHIO NORTH ZONE.
 TIED BY GPS TO THE O.D.O.T. VRS.

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 WARNING INFORMATION MAY BE LOST IN COPYING AND/OR GRAY SCALE PLOTTING.

REV.	DATE	DESCRIPTION

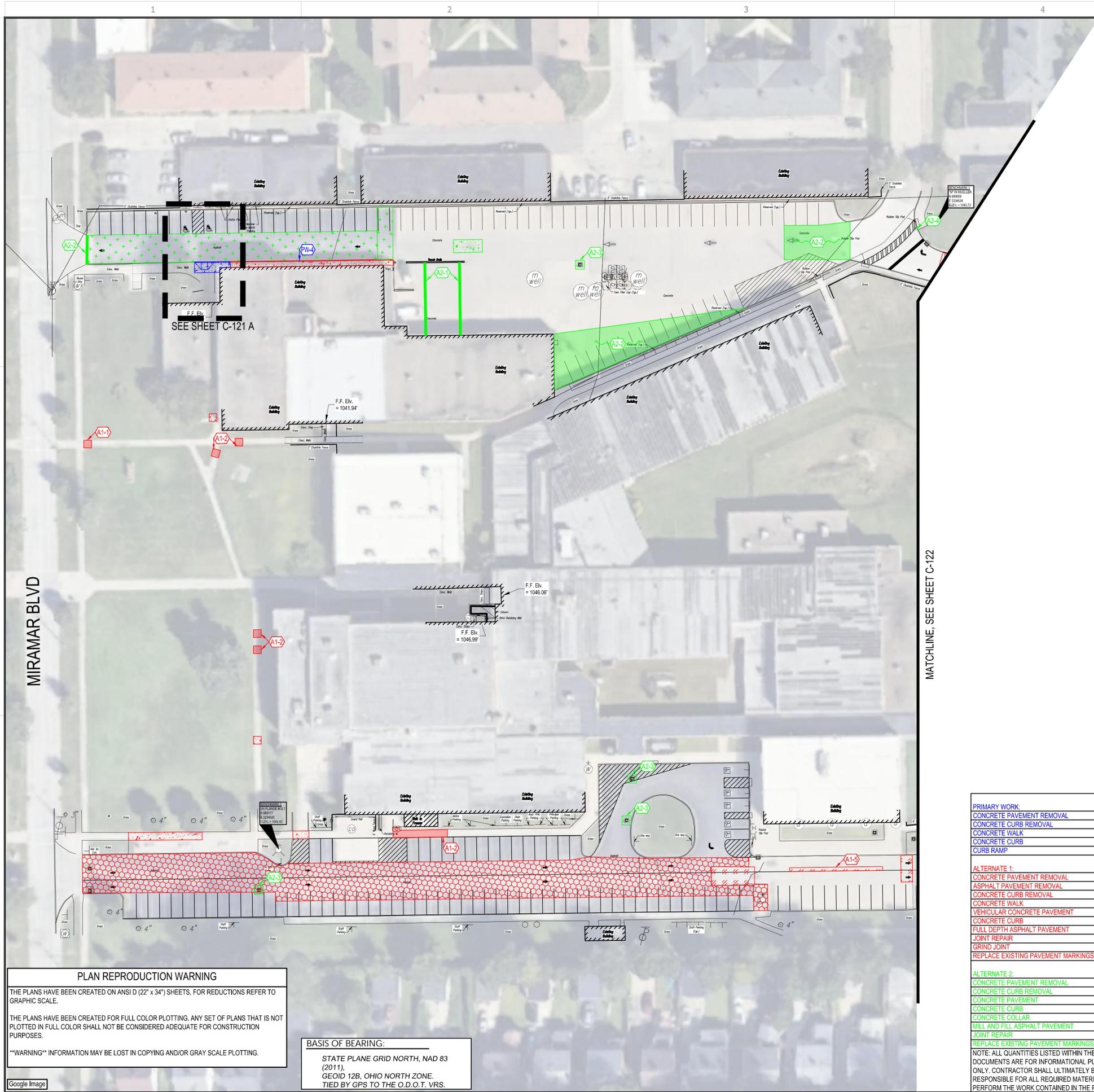
CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS
 PAVEMENT MAINTENANCE PLANS
 GEARTY ELEMENTARY SCHOOL
 PAVEMENT GRADING ENLARGEMENT
 2323 WRENFORD RD, UNIVERSITY HTS.

ISSUED FOR:	
PERMIT	XX/XX/XX
BID	XX/XX/XX
CONSTRUCTION	XX/XX/XX
RECORD	XX/XX/XX

PROJECT MANAGER	DESIGNER
KB	PE

JOB NO.
2024086.01

C-120 A



LEGEND
 (SEE SHEET C-001 FOR GENERAL LEGEND)

PLAN KEYNOTES

- JOINT TO BE GROUND, PER ADA SPECIFICATIONS.
- FULL DEPTH JOINT REPAIR. SEE SHEET C-501
- PROPOSED CONCRETE COLLAR. SEE SHEET C-500.
- REPLACE CURB.
- PROPOSED VEHICULAR CONCRETE PAVEMENT. SEE SHEET C-501.

LEGEND

- PRIMARY WORK CONSTRUCTION KEYNOTE
- ALTERNATE 1 CONSTRUCTION KEYNOTE
- ALTERNATE 2 CONSTRUCTION KEYNOTE
- PRIMARY WORK: PROPOSED FULL DEPTH CONCRETE PAVEMENT REPLACEMENT.
- ALTERNATE 1: PROPOSED FULL DEPTH CONCRETE PAVEMENT REPLACEMENT.
- ALTERNATE 1: PROPOSED VEHICULAR CONCRETE PAVEMENT.
- ALTERNATE 1: PROPOSED FULL DEPTH ASPHALT PAVEMENT REPLACEMENT.
- ALTERNATE 1: PROPOSED JOINT REPAIR/ GRINDING.
- ALTERNATE 2: PROPOSED FULL DEPTH CONCRETE PAVEMENT REPLACEMENT.
- ALTERNATE 2: PROPOSED MILL AND FILL.
- ALTERNATE 2: PROPOSED JOINT REPAIR/ GRINDING.
- EXISTING TRANSVERSE STRIPING
- EXISTING PAINTED INTERNATIONAL ADA SYMBOL

KEY MAP
 N.T.S.

GENERAL SHEET NOTES

- CONTRACTOR SHALL PERFORM A PRE-CONSTRUCTION VIDEO OF EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. THE PRE-CONSTRUCTION VIDEO SHALL BE AS DETAILED AS POSSIBLE. CONTRACTOR SHALL CLEAN, REPAIR, AND/OR REPLACE ALL FEATURES SOILED/CONTAMINATED, DAMAGED, AND/OR BROKEN AS A CAUSE OF CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST AND TO THE SATISFACTION OF THE FEATURES OWNER. OF PARTICULAR IMPORTANCE, PRE-CONSTRUCTION VIDEO SHOULD INCLUDE VIDEO OF ALL EXISTING PAVEMENT MARKINGS. THE PRE-CONSTRUCTION VIDEO SHALL BE MADE AVAILABLE TO THE OWNER
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- FOR THE IDENTIFIED AREAS, CONTRACTOR SHALL CRACK SEAL EXISTING ASPHALT COURSES PER ODOT 423. ALL CRACKS GREATER THAN 1/4 INCH SHALL BE PREFILLED AND FITTED WITH BACKER ROD. APPLY JOINT SEALER WHERE EXISTING ASPHALT ABUTS CONCRETE / CURB / PAVEMENT / BUILDING. FOR PROJECTS WITH CRACK SEAL OR SURFACE SEALER TO BE APPLIED, CONTRACTOR SHALL UTILIZE THE APPROPRIATE CLEANING EQUIPMENT TO PREPARE EXISTING SURFACES FOR PROPOSED WORK IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL DISPOSE OF SEDIMENTS OFFSITE AT APPROPRIATE DISPOSAL FACILITY.
- CONTRACTOR SHALL PROVIDE PAVEMENT STRIPING AND MARKINGS TO MATCH EXISTING LAYOUT (WHEN STRIPING IS DISTURBED) AND IN ACCORDANCE WITH CURRENT REGULATORY REQUIREMENTS (2 COATS MINIMUM). PLAYGROUND MARKINGS ARE TO MATCH EXISTING CONDITIONS. CONTRACTOR SHALL COORDINATE WITH FACILITY DIRECTOR FOR APPROVED COLORS PRIOR TO PAINTING. FIRST COAT TO BE APPLIED UPON COMPLETION OF PAVING ACTIVITY AND THE SECOND COAT TO BE APPLIED 30 DAYS AFTER FIRST COAT APPLICATION. PAVEMENT MARKINGS WHITE ON ASPHALT, YELLOW ON CONCRETE. OR PER OWNER'S DIRECTION, BLUE IS REQUIRED FOR ADA MARKINGS. SEE PAVEMENT MARKINGS AND NOTES, SHEET C-500.
- ALL PAVEMENT REPAIRS SHALL PROVIDE FOR POSITIVE DRAINAGE THROUGH AND AWAY FROM THE WORK AREAS TO THE NATURAL DRAINAGE PATHWAY/OUTFALL.
- PAVEMENT MARKING TOUCH-UP TO BE DONE WHERE MORE THAN 40% OF EXISTING LINE IS OBSCURED, INCLUDING PLAYGROUND MARKINGS.
- CONTRACTOR SHALL ENSURE PAVEMENT/WALKS/ETC. RESTORED WITHIN THE ADA PATHWAYS MAINTAIN PROPER SLOPES, ELEVATION CHANGES, GAPS, ETC. PER ADA REGULATIONS. REFER TO NOTES ON SHEET C-001 FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL REMOVE AND REPLACE ADDITIONAL WALK PANELS, PAVEMENT, ETC. TO PROVIDE SLOPE TRANSITIONS REQUIRED TO MEET ADA REQUIREMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE PROPOSED SLOPE GRADIENTS AND DESIGN INTENT CAN BE ACHIEVED. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER IMMEDIATELY IF PROPOSED DESIGN CANNOT BE ACHIEVED. NO ADDITIONAL COMPENSATION SHALL BE AWARDED IF SUCH NOTIFICATION HAS NOT BEEN COMPLETE. THIS PROJECT REQUIRES ADA COMPLIANCE. NO ADDITIONAL COMPENSATION SHALL BE AWARDED FOR WORK HAVING TO BE REDONE DUE TO NON-COMPLIANCE PER ADA STANDARDS.
- REFER TO CONCRETE NOTES ON C-001.
- ALLOWANCE AMOUNT INCLUDES QUANTITIES FOR: ADDITIONAL 12" UNDERCUTS REMOVAL / REPLACEMENT WITH ODOT 304 LIMESTONE WITH TRIAX GEOGRID, ADDITIONAL UNDERDRAINS, ADDITIONAL CONCRETE WALK REMOVAL / REPLACEMENT, ADDITIONAL CONCRETE PAVEMENT REMOVAL / REPLACEMENT, ADDITIONAL ASPHALT PAVEMENT REMOVAL / REPLACEMENT, AND ADDITIONAL ASPHALT CRACK SEALER, ADDITIONAL CONCRETE JOINT GRINDING, ADDITIONAL CONCRETE JOINT REPAIR, AND ADDITIONAL CONCRETE PANEL LEVELING. PRIOR TO THE START OF CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL WALK ALL SITES WITH THE OWNER AND/OR OWNER'S AGENT/ENGINEER TO MARK THE AREAS TO BE IMPROVED WHICH MAY NOT BE SPECIFICALLY SHOWN ON PLANS FOR THE EXACT LIMITS. CONTRACTOR SHALL BE RESPONSIBLE FOR FULLY DOCUMENTING TRACKED QUANTITIES OF FIELD MARKED IMPROVEMENTS TO OBTAIN AN OFFICIAL APPROVAL TO PROCEED AND FOR PAYMENT REQUESTS.

PRIMARY WORK:	
CONCRETE PAVEMENT REMOVAL	200 SF.
CONCRETE CURB REMOVAL	28 LF.
CONCRETE WALK	200 SF.
CONCRETE CURB	28 LF.
CURB RAMP	1 EA.

ALTERNATE 1:	
CONCRETE PAVEMENT REMOVAL	1,946 SF.
ASPHALT PAVEMENT REMOVAL	1,670 SY.
CONCRETE CURB REMOVAL	130 LF.
CONCRETE WALK	1,062 SF.
VEHICULAR CONCRETE PAVEMENT	884 SF.
CONCRETE CURB	130 LF.
FULL DEPTH ASPHALT PAVEMENT	1,670 SY.
JOINT REPAIR	48 LF.
GRIND JOINT	12 LF.
REPLACE EXISTING PAVEMENT MARKINGS	LUMP

ALTERNATE 2:	
CONCRETE PAVEMENT REMOVAL	225 SF.
CONCRETE CURB REMOVAL	2 LF.
CONCRETE PAVEMENT	225 SF.
CONCRETE CURB	2 LF.
CONCRETE COLLAR	4 EA.
MILL AND FILL ASPHALT PAVEMENT	606 SY.
JOINT REPAIR	135 LF.
REPLACE EXISTING PAVEMENT MARKINGS	LUMP

NOTE: ALL QUANTITIES LISTED WITHIN THESE DOCUMENTS ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL ULTIMATELY BE RESPONSIBLE FOR ALL REQUIRED MATERIALS TO PERFORM THE WORK CONTAINED IN THE PLAN SET.

PLAN REPRODUCTION WARNING

THE PLANS HAVE BEEN CREATED ON ANSI D (22" x 34") SHEETS. FOR REDUCTIONS REFER TO GRAPHIC SCALE.

THE PLANS HAVE BEEN CREATED FOR FULL COLOR PLOTTING. ANY SET OF PLANS THAT IS NOT PLOTTED IN FULL COLOR SHALL NOT BE CONSIDERED ADEQUATE FOR CONSTRUCTION PURPOSES.

WARNING INFORMATION MAY BE LOST IN COPYING AND/OR GRAY SCALE PLOTTING.

BASIS OF BEARING:

STATE PLANE GRID NORTH, NAD 83 (2011), GEOID 12B, OHIO NORTH ZONE, TIED BY GPS TO THE O.D.O.T. VRS.

GPD GROUP
 Glaus, Pyle, Schomer, Burns & DeHaven, Inc.
 520 South Main Street, Suite 2531
 Akron, OH 44311
 330.572.2100 Fax 330.572.2101
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Cleveland Heights
 University City School District

REV.	DATE	DESCRIPTION

LEONARDO A. SFERRA
 E - 71842
 REGISTERED PROFESSIONAL ENGINEER
 09/20/24

CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS
 PAVEMENT MAINTENANCE PLANS

HEIGHTS MIDDLE SCHOOL
 MAINTENANCE PLAN
 2181 MIRAMAR BLVD., UNIVERSITY HTS.

ISSUED FOR:

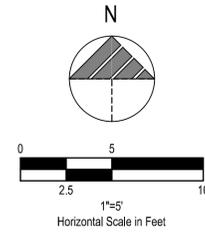
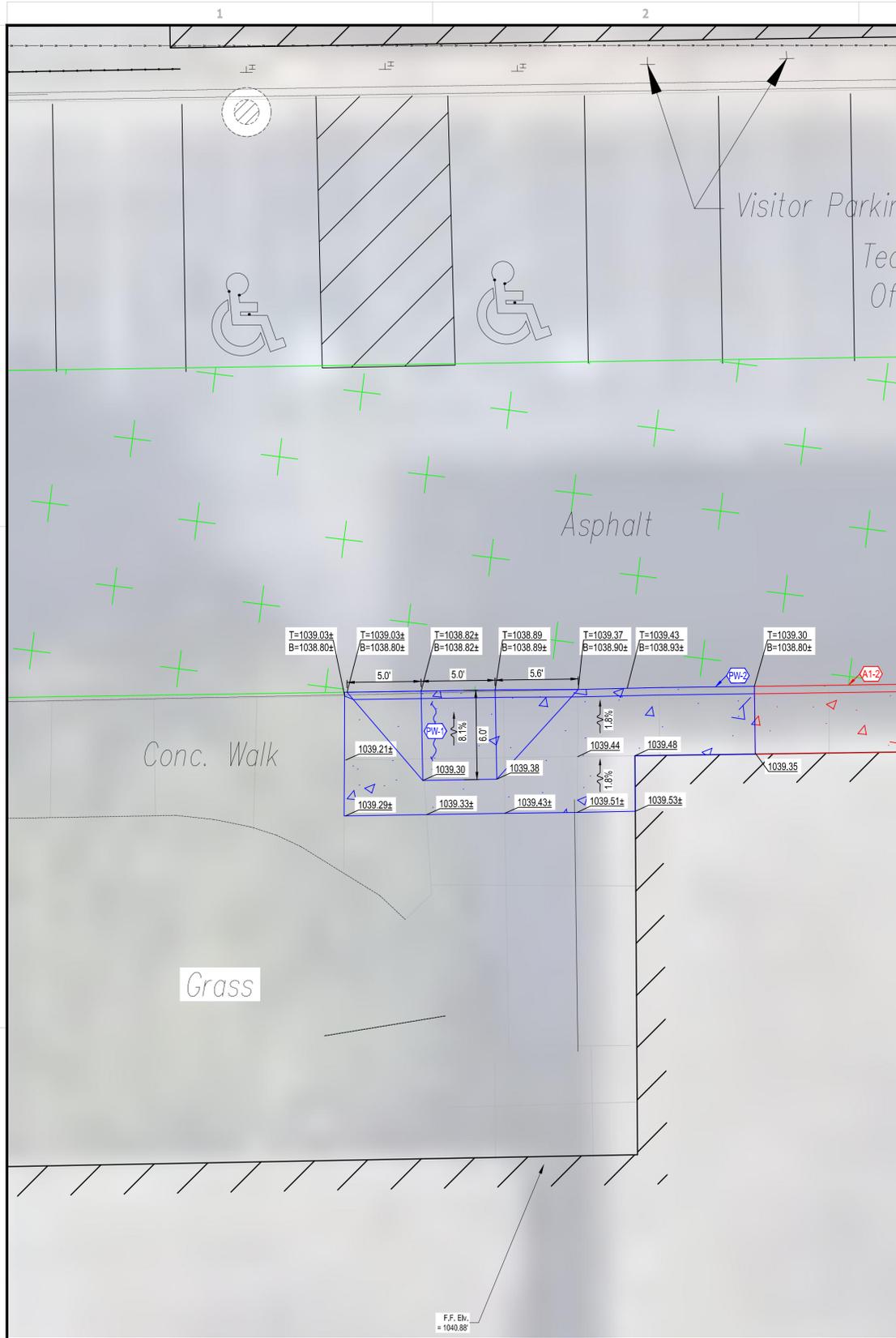
PERMIT	XXX/XX/XX
BID	XX/XX/XX
CONSTRUCTION	XX/XX/XX
RECORD	XX/XX/XX

PROJECT MANAGER	DESIGNER
KB	PE

JOB NO.
2024086.01

C-121

Drawing Name: O:\2024\2024086 CH-UH CSD\01 Sidewalks And Pvm Programs\1 Working Files\00_software Version Year)
 CAD\C\Sheets\12-C-121\122 -Heights Middle.dwg
 September 20, 2024 8:37 AM - PEYERMAN



PLAN KEYNOTES (with arrow symbol)
 1. PROPOSED ADA CURB RAMP. SEE SHEET C-502;
 2. REPLACE CURB.

LEGEND
 (SEE SHEET C-001 FOR GENERAL LEGEND)
 SEE SHEET C-121 FOR TOTAL SITE QUANTITIES

	PRIMARY WORK CONSTRUCTION KEYNOTE
	ALTERNATE 1 CONSTRUCTION KEYNOTE
	ALTERNATE 2 CONSTRUCTION KEYNOTE
	PRIMARY WORK: PROPOSED FULL DEPTH CONCRETE PAVEMENT REPLACEMENT.
	ALTERNATE 1: PROPOSED FULL DEPTH CONCRETE PAVEMENT REPLACEMENT.
	ALTERNATE 2: PROPOSED MILL AND FILL.
XXX.XX ✓	PROPOSED ELEVATION @ FINISHED GROUND ELEVATION
T=XXX.XX B=XXX.XX	TOP OF CURB ELEVATION BOTTOM OF CURB/FINISHED PAVEMENT ELEVATION
XXX.XX±	EXISTING SPOT ELEVATION/ MATCH EXISTING GRADE

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Cleveland Heights
 University City School District

REV.	DATE	DESCRIPTION

STATE OF OHIO
 LEONARDO A. SFERRA
 E - 71842
 REGISTERED PROFESSIONAL ENGINEER
 09/20/24

CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS
 PAVEMENT MAINTENANCE PLANS

HEIGHTS MIDDLE SCHOOL
 GRADING ENLARGEMENT
 2181 MIRAMAR BLVD., UNIVERSITY HTS.

ISSUED FOR:	
PERMIT	XX/XX/XX
BID	XX/XX/XX
CONSTRUCTION	XX/XX/XX
RECORD	XX/XX/XX

PROJECT MANAGER	DESIGNER
KB	PE

JOB NO.
 2024086.01

C-121 A

PLAN REPRODUCTION WARNING

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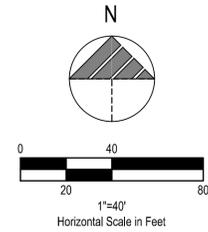
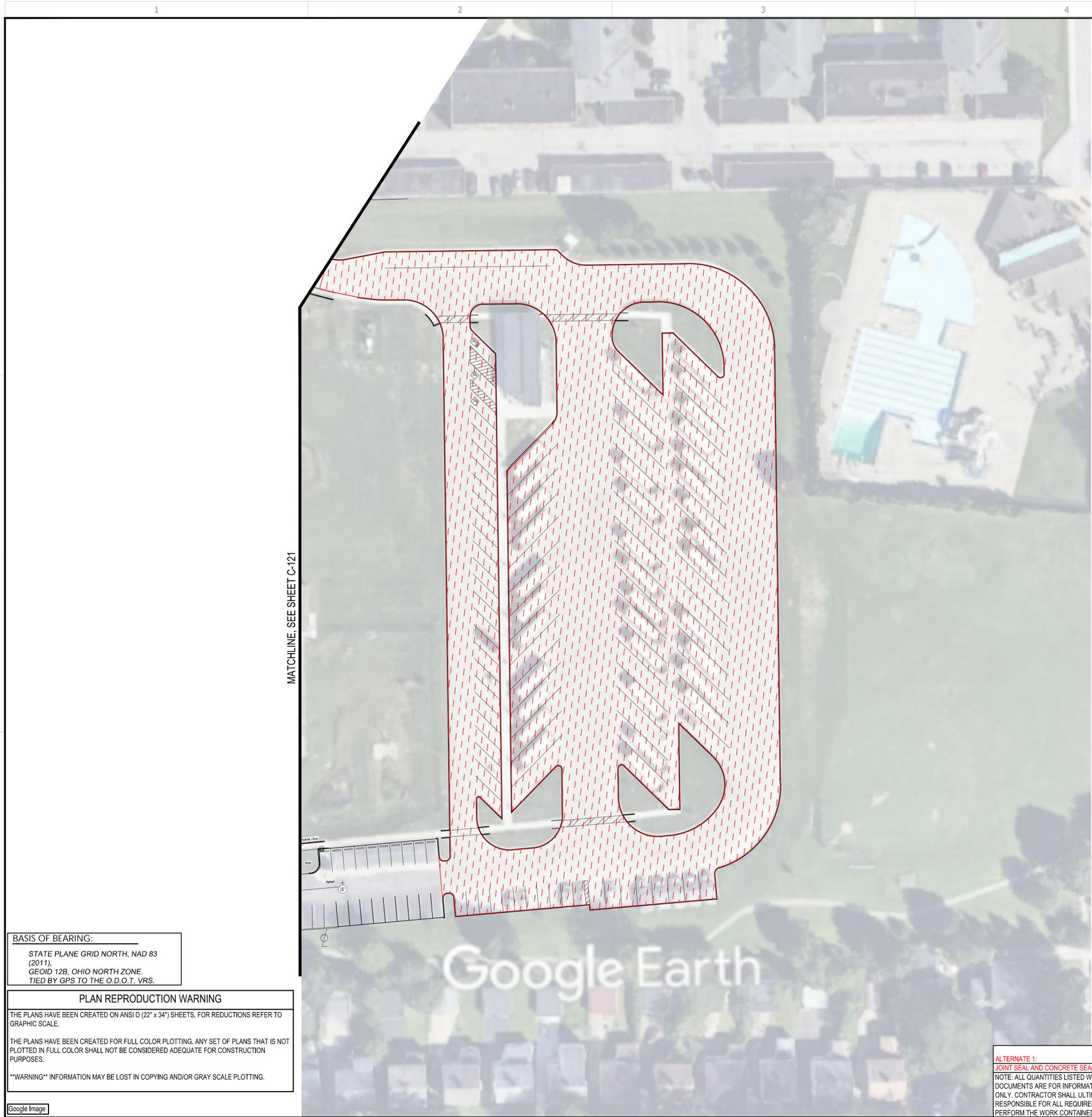
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WARNING INFORMATION MAY BE LOST IN COPYING AND/OR GRAY SCALE PLOTTING.

BASIS OF BEARING:

STATE PLANE GRID NORTH, NAD 83
 (2011),
 GEOID 12B, OHIO NORTH ZONE.
 TIED BY GPS TO THE O.D.O.T. VRS.

Drawing Name: O:\2024\2024086 CH-UH_CSD\01_Sidewalks And Pvm Programs\1_Working Files\00_ (software Version Year)
 CAD\CSheets\12-C-121&122 -Heights Middle.dwg
 September 20, 2024 8:37 AM - Peyerman



LEGEND
 (SEE SHEET C-001 FOR GENERAL LEGEND)

	11,810 SY J	ALTERNATE 1: PROPOSED JOINT SEAL REAR AND CONCRETE SEALER. SEE GENERAL NOTES THIS SHEET AND C-001.
		EXISTING TRANSVERSE STRIPING
		EXISTING PAINTED INTERNATIONAL ADA SYMBOL



- GENERAL SHEET NOTES**
- CONTRACTOR SHALL PERFORM A PRE-CONSTRUCTION VIDEO OF EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. THE PRE-CONSTRUCTION VIDEO SHALL BE AS DETAILED AS POSSIBLE. CONTRACTOR SHALL CLEAN, REPAIR, AND/OR REPLACE ALL FEATURES SOILED/CONTAMINATED, DAMAGED, AND/OR BROKEN AS A CAUSE OF CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST AND TO THE SATISFACTION OF THE FEATURES OWNER. OF PARTICULAR IMPORTANCE, PRE-CONSTRUCTION VIDEO SHOULD INCLUDE VIDEO OF ALL EXISTING PAVEMENT MARKINGS. THE PRE-CONSTRUCTION VIDEO SHALL BE MADE AVAILABLE TO THE OWNER.
 - ALL EXISTING SITE AND SURROUNDING FEATURES SUCH AS UTILITIES, PAVEMENT, CURB, LANDSCAPING, BUILDING, FENCES, GUARDRAILS, ETC. SHALL REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION UNLESS NOTED OTHERWISE, OR REQUIRED TO BE MODIFIED, RELOCATED OR REMOVED FOR THE INSTALLATION OF PROPOSED IMPROVEMENTS. ALL DISTURBED FEATURES SHALL BE RESTORED OR RELOCATED AS REQUIRED TO THE SATISFACTION OF THE OWNER. CONTRACTOR SHALL REPAIR/REPLACE ANY SURROUNDING FEATURES DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST AND TO THE SATISFACTION OF THE OWNER.
 - FOR THE IDENTIFIED AREAS, CONTRACTOR SHALL CRACK SEAL EXISTING ASPHALT COURSES PER ODOT 423. ALL CRACKS GREATER THAN 1/4 INCH SHALL BE PREFILLED AND FITTED WITH BACKER ROD. APPLY JOINT SEALER WHERE EXISTING ASPHALT ABUTS CONCRETE / CURB / PAVEMENT / BUILDING. FOR PROJECTS WITH CRACK SEAL/JOINT SEALER EXISTING PARKING LOT SHALL BE CLEANED AND SWEEPED THOROUGHLY WHERE CRACK SEAL OR SURFACE SEALER TO BE APPLIED. CONTRACTOR SHALL UTILIZE THE APPROPRIATE CLEANING EQUIPMENT TO PREPARE EXISTING SURFACES FOR PROPOSED WORK IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. CONTRACTOR SHALL DISPOSE OF SEDIMENTS OFFSITE AT APPROPRIATE DISPOSAL FACILITY.
 - CONTRACTOR SHALL PROVIDE PAVEMENT STRIPING AND MARKINGS TO MATCH EXISTING LAYOUT (WHEN STRIPING IS DISTURBED) AND IN ACCORDANCE WITH CURRENT REGULATORY REQUIREMENTS (2 COATS MINIMUM). PLAYGROUND MARKINGS ARE TO MATCH EXISTING CONDITIONS. CONTRACTOR SHALL COORDINATE WITH FACILITY DIRECTOR FOR APPROVAL PRIOR TO PAINTING. FIRST COAT TO BE APPLIED UPON COMPLETION OF PAVING ACTIVITY AND THE SECOND COAT TO BE APPLIED 30 DAYS AFTER FIRST COAT APPLICATION. PAVEMENT MARKINGS WHITE ON ASPHALT, YELLOW ON CONCRETE. OR PER OWNERS DIRECTION, BLUE IS REQUIRED FOR ADA MARKINGS. SEE PAVEMENT MARKINGS AND NOTES, SHEET C-500.
 - ALL PAVEMENT REPAIRS SHALL PROVIDE FOR POSITIVE DRAINAGE THROUGH AND AWAY FROM THE WORK AREAS TO THE NATURAL DRAINAGE PATHWAY/OUTFALL.
 - PAVEMENT MARKING TOUCH-UP TO BE DONE WHERE MORE THAN 40% OF EXISTING LINE IS OBSCURED, INCLUDING PLAYGROUND MARKINGS.
 - CONTRACTOR SHALL ENSURE PAVEMENT/WALKS/ETC. RESTORED WITHIN THE ADA PATHWAYS MAINTAIN PROPER SLOPES, ELEVATION CHANGES, GAPS, ETC. PER ADA REGULATIONS. REFER TO NOTES ON SHEET C-001 FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL REMOVE AND REPLACE ADDITIONAL WALK PANELS, ASPHALT PAVEMENT, ETC. TO PROVIDE SLOPE TRANSITIONS REQUIRED TO MEET ADA REQUIREMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE PROPOSED GRADIES AND DESIGN INTENT CAN BE ACHIEVED. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER IMMEDIATELY IF PROPOSED DESIGN CANNOT BE ACHIEVED. NO ADDITIONAL COMPENSATION SHALL BE AWARDED IF SUCH NOTIFICATION HAS NOT BEEN COMPLETE. THIS PROJECT REQUIRES ADA COMPLIANCE. NO ADDITIONAL COMPENSATION SHALL BE AWARDED FOR WORK HAVING TO BE REDONE DUE TO NON-COMPLIANCE PER ADA STANDARDS.
 - REFER TO CONCRETE NOTES ON C-001.
 - ALLOWANCE AMOUNT INCLUDES QUANTITIES FOR: ADDITIONAL 12" UNDERCUTS REMOVAL / REPLACEMENT WITH ODOT 304 LIMESTONE WITH TRIAX GEOGRID. ADDITIONAL UNDERDRAINS. ADDITIONAL CONCRETE WALK REMOVAL / REPLACEMENT. ADDITIONAL CONCRETE PAVEMENT REMOVAL / REPLACEMENT. ADDITIONAL CURB REMOVAL / REPLACEMENT. ADDITIONAL FULL DEPTH ASPHALT PAVEMENT REMOVAL / REPLACEMENT. AND ADDITIONAL ASPHALT CRACK SEALER. ADDITIONAL CONCRETE JOINT GRINDING. ADDITIONAL CONCRETE JOINT REPAIR. AND ADDITIONAL CONCRETE PANEL LEVELING. PRIOR TO THE START OF CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL WALK ALL SITES WITH THE OWNER AND/OR OWNER'S AGENT/ENGINEER TO MARK THE AREAS TO BE IMPROVED WHICH MAY NOT BE SPECIFICALLY SHOWN ON PLANS FOR THE EXACT LIMITS. CONTRACTOR SHALL BE RESPONSIBLE FOR FULLY DOCUMENTING TRACKED QUANTITIES OF FIELD MARKED IMPROVEMENTS TO OBTAIN AN OFFICIAL APPROVAL TO PROCEED AND FOR PAYMENT REQUESTS.

BASIS OF BEARING:
 STATE PLANE GRID NORTH, NAD 83 (2011),
 GEOID 12B, OHIO NORTH ZONE.
 TIED BY GPS TO THE O.D.O.T. VRS.

PLAN REPRODUCTION WARNING
 THE PLANS HAVE BEEN CREATED ON ANSI D (22" x 34") SHEETS. FOR REDUCTIONS REFER TO GRAPHIC SCALE.
 THE PLANS HAVE BEEN CREATED FOR FULL COLOR PLOTTING. ANY SET OF PLANS THAT IS NOT PLOTTED IN FULL COLOR SHALL NOT BE CONSIDERED ADEQUATE FOR CONSTRUCTION PURPOSES.
 WARNING INFORMATION MAY BE LOST IN COPYING AND/OR GRAY SCALE PLOTTING.

ALTERNATE 1:
 JOINT SEAL AND CONCRETE SEALER 11,810 SY
 NOTE: ALL QUANTITIES LISTED WITHIN THESE DOCUMENTS ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL ULTIMATELY BE RESPONSIBLE FOR ALL REQUIRED MATERIALS TO PERFORM THE WORK CONTAINED IN THE PLAN SET.

REV.	DATE	DESCRIPTION



CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS PAVEMENT MAINTENANCE PLANS

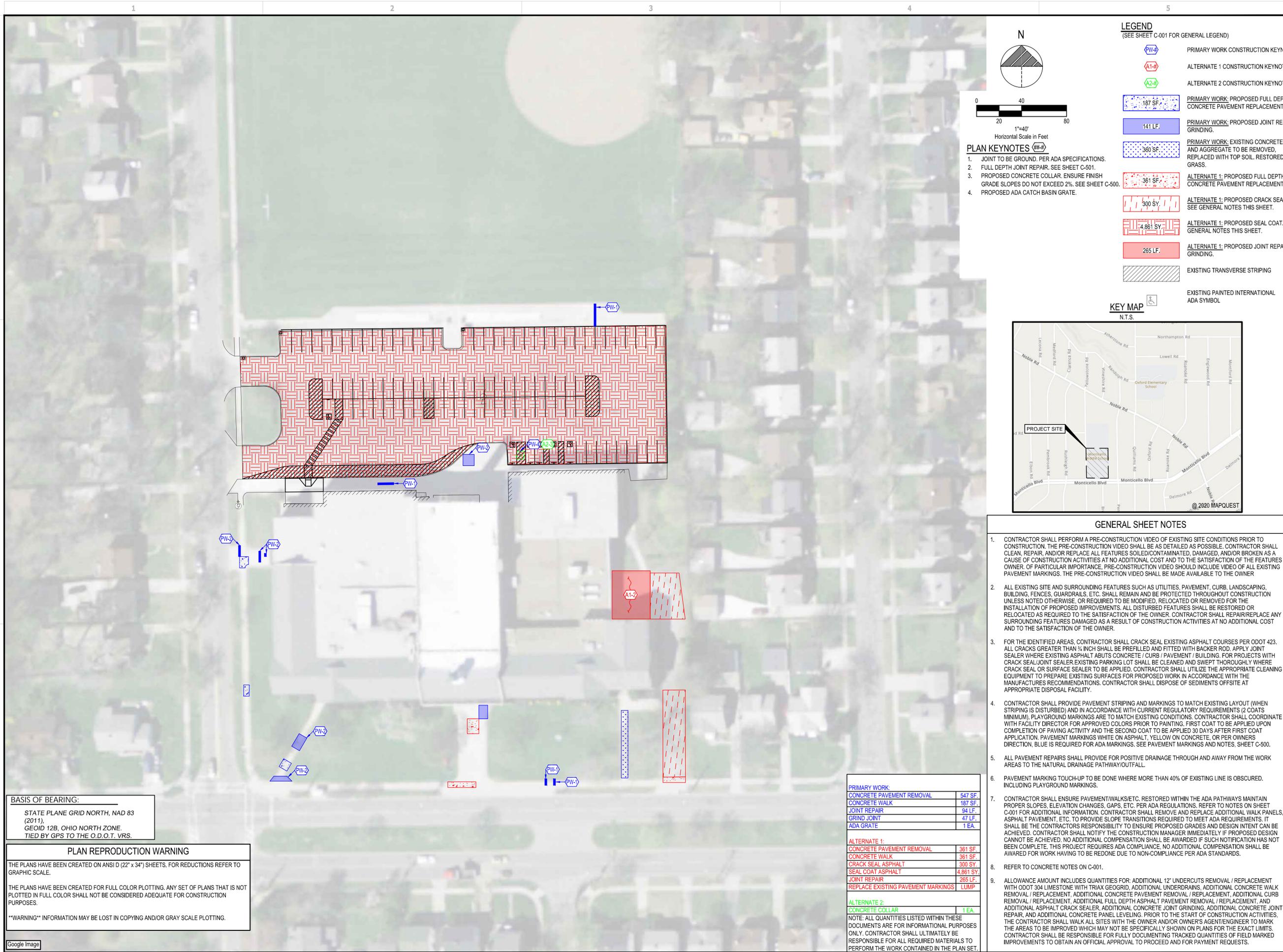
BUS DEPOT PAVEMENT MAINTENANCE PLAN
 2181 MIRAMAR BLVD., UNIVERSITY HTS.

ISSUED FOR:	
PERMIT	XX/XX/XX
BID	XX/XX/XX
CONSTRUCTION	XX/XX/XX
RECORD	XX/XX/XX
PROJECT MANAGER	DESIGNER
KB	PE

JOB NO.
2024086.01

C-122

Drawing Name: C:\2024\2024086 CH-UH CS\0101 Sidewalks And Pvm Programs\Working Files\00_ (software Version Year)
 CAD\CSheets\13-C-123_Monticello.dwg
 September 20, 2024 8:37 AM - PEYerman



LEGEND
 (SEE SHEET C-001 FOR GENERAL LEGEND)

PLAN KEYNOTES

- JOINT TO BE GROUND, PER ADA SPECIFICATIONS.
- FULL DEPTH JOINT REPAIR. SEE SHEET C-501.
- PROPOSED CONCRETE COLLAR. ENSURE FINISH GRADE SLOPES DO NOT EXCEED 2%. SEE SHEET C-500.
- PROPOSED ADA CATCH BASIN GRATE.

LEGEND

- PRIMARY WORK CONSTRUCTION KEYNOTE
- ALTERNATE 1 CONSTRUCTION KEYNOTE
- ALTERNATE 2 CONSTRUCTION KEYNOTE
- PRIMARY WORK: PROPOSED FULL DEPTH CONCRETE PAVEMENT REPLACEMENT. 187 SF.
- PRIMARY WORK: PROPOSED JOINT REPAIR/GRINDING. 141 LF.
- PRIMARY WORK: EXISTING CONCRETE WALK AND AGGREGATE TO BE REMOVED, REPLACED WITH TOP SOIL, RESTORED TO GRASS. 360 SF.
- ALTERNATE 1: PROPOSED FULL DEPTH CONCRETE PAVEMENT REPLACEMENT. 361 SF.
- ALTERNATE 1: PROPOSED CRACK SEAL. SEE GENERAL NOTES THIS SHEET. 300 SY.
- ALTERNATE 1: PROPOSED SEAL COAT. SEE GENERAL NOTES THIS SHEET. 4,861 SY.
- ALTERNATE 1: PROPOSED JOINT REPAIR/GRINDING. 265 LF.
- EXISTING TRANSVERSE STRIPING
- EXISTING PAINTED INTERNATIONAL ADA SYMBOL



GENERAL SHEET NOTES

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PRIMARY WORK:	
CONCRETE PAVEMENT REMOVAL	547 SF.
CONCRETE WALK	187 SF.
JOINT REPAIR	94 LF.
GRIND JOINT	47 LF.
ADA GRATE	1 EA.
ALTERNATE 1:	
CONCRETE PAVEMENT REMOVAL	361 SF.
CONCRETE WALK	361 SF.
CRACK SEAL ASPHALT	300 SY.
SEAL COAT ASPHALT	4,861 SY.
JOINT REPAIR	265 LF.
REPLACE EXISTING PAVEMENT MARKINGS	LUMP
ALTERNATE 2:	
CONCRETE COLLAR	1 EA.

NOTE: ALL QUANTITIES LISTED WITHIN THESE DOCUMENTS ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL ULTIMATELY BE RESPONSIBLE FOR ALL REQUIRED MATERIALS TO PERFORM THE WORK CONTAINED IN THE PLAN SET.

BASIS OF BEARING:
 STATE PLANE GRID NORTH, NAD 83 (2011),
 GEOID 12B, OHIO NORTH ZONE.
 TIED BY GPS TO THE O.D.O.T. VRS.

PLAN REPRODUCTION WARNING

THE PLANS HAVE BEEN CREATED ON ANSI D (22" x 34") SHEETS. FOR REDUCTIONS REFER TO GRAPHIC SCALE.

THE PLANS HAVE BEEN CREATED FOR FULL COLOR PLOTTING. ANY SET OF PLANS THAT IS NOT PLOTTED IN FULL COLOR SHALL NOT BE CONSIDERED ADEQUATE FOR CONSTRUCTION PURPOSES.

WARNING INFORMATION MAY BE LOST IN COPYING AND/OR GRAY SCALE PLOTTING.

Google Image

GPD GROUP
 Glaus, Pyle, Schomer, Burns & DeHoven, Inc.
 520 South Main Street, Suite 2531
 Akron, OH 44311
 330.572.2100 Fax 330.572.2101
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Cleveland University Heights
 City School District

REV.	DATE	DESCRIPTION

STATE OF OHIO
 LEONARDO A. SFERRA
 E - 71842
 REGISTERED PROFESSIONAL ENGINEER
 09/20/24

CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS
 PAVEMENT MAINTENANCE PLANS

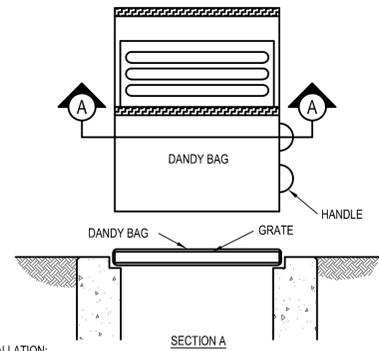
MONTICELLO MIDDLE SCHOOL
 PAVEMENT MAINTENANCE PLAN
 3665 MONTICELLO BLVD, CLEVELAND HTS.

ISSUED FOR:	
PERMIT	XX/XX/XX
BID	XX/XX/XX
CONSTRUCTION	XX/XX/XX
RECORD	XX/XX/XX
PROJECT MANAGER	DESIGNER
KB	PE

JOB NO.
2024086.01

C-123

Drawing Name: C:\2024\2024086 CH-UH_CSD\01_Sidewalks And Pvm Program\1_Working Files\00_software Version Year
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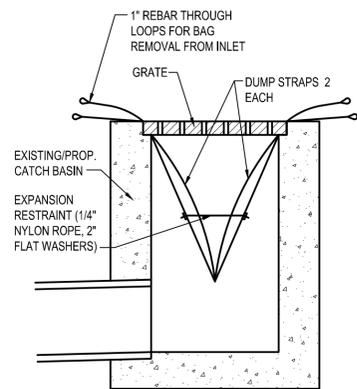


INSTALLATION:
 STAND GRATE ON END. PLACE DANDY BAG OVER GRATE. FLIP GRATE OVER SO THAT OPEN END IS UP. PULL UP SLACK. TUCK FLAP IN. BE SURE END OF GRATE IS COMPLETELY COVERED BY FLAP OR DANDY BAG WILL NOT FIT PROPERLY. HOLDING HANDLES, CAREFULLY PLACE DANDY BAG WITH GRATE INSERTED INTO CATCH BASIN FRAME SO THAT RED DOT ON THE TOP OF THE DANDY BAG IS VISIBLE.

MAINTENANCE:
 AFTER SILT HAS DRIED, REMOVE IT FROM THE SURFACE OF DANDY BAG WITH BROOM.

DANDY PRODUCTS INC. (OR EQUAL)
 P.O. BOX 1680 POWELL, OH
 PHONE (800) 591-2284
 FAX (740) 881-2791

C1 DANDY BAG
N.T.S.



C2 TRANSVERSE STRIPING
N.T.S.

COMPOST SOCK FABRIC MINIMUM SPECIFICATIONS

MATERIAL TYPE	3 mil HDPE	5 mil HDPE	5 mil HDPE	MULTI-FILAMENT POLYPROPYLENE (MFPF)	HEAVY DUTY MULTI-FILAMENT POLYPROPYLENE (MFPF)
MATERIAL CHARACTERISTICS	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE	BIO-DEGRADABLE	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE
SOCK DIAMETERS	12" 18"	18" 24"	18" 24"	18" 24"	18" 24"
MESH OPENING	3/8"	3/8"	3/8"	3/8"	1/8"
TENSILE STRENGTH	26 PSI	26 PSI	26 PSI	44 PSI	202 PSI
ULTRAVIOLET STABILITY % ORIGINAL STRENGTH (ASTM G-155)	% AT 1000 HR.	23% AT 1000 HR.		100% AT 1000 HR.	100% AT 1000 HR.
MINIMUM FUNCTIONAL LONGEVITY	6 MONTHS	9 MONTHS	6 MONTHS	1 YEAR	2 YEARS

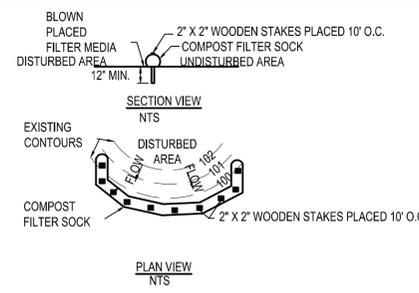
TWO-PLY SYSTEMS

INNER CONTAINMENT NETTING	HDPE BIAXIAL NET CONTINUOUSLY WOUND FUSION-WELDED JUNCTURES
	3/4" X 3/4" MAX. APERTURE SIZE
OUTER FILTRATION MESH	COMPOSITE POLYPROPYLENE FABRIC (WOVEN LAYER & NON-WOVEN FLEECE MECHANICALLY FUSED VIA NEEDLE PUNCH)
	3/16" MAX. APERTURE SIZE

SOCK FABRICS COMPOSED OF BURLAP MAY BE USED ON PROJECTS LASTING 6 MONTHS OR LESS

COMPOST SHALL MEET THE FOLLOWING STANDARDS:

ORGANIC MATTER CONTENT	80% - 100% (DRY WEIGHT BASIS)
ORGANIC PORTION	FIBROUS AND ELONGATED
pH	5.5 - 8.0
MOISTURE CONTENT	35% - 55%
PARTICLE SIZE	98% PASS THROUGH 1" SCREEN
SOLUBLE SALT CONCENTRATION	5.0 gS MAXIMUM



INSTALLATION:
 1. STAND THE GRATE ON END.
 2. PLACE THE SILT BAG OVER THE GRATE.
 3. ROLL THE GRATE OVER SO THAT THE OPEN END IS UP.
 4. PULL UP THE BAG.
 5. TUCK THE FLAP IN.
 6. PRESS THE VELCRO STRAPS TOGETHER.
 7. BE SURE THAT THE END OF THE GRATE IS COMPLETELY COVERED BY THE FLAP OR THE SILT BAG WILL NOT WORK PROPERLY.
 8. HOLDING THE HANDLES, CAREFULLY PLACE THE SILT BAG WITH THE GRATE INSERTED INTO THE CATCH BASIN FRAME.

MAINTENANCE:
 TO INSURE PROPER OPERATION REMOVE SILT, SEDIMENT, AND DEBRIS FROM THE SURFACE AND THE VICINITY OF THE UNIT WITH A SQUARE POINT SHOVEL OR STIFF BRISTLE BROOM AWAY FROM ENVIRONMENTALLY SENSITIVE AREAS AND WATERWAYS IN MANNER SATISFACTORY TO THE ENGINEER/INSPECTOR. REMOVE FINE MATERIAL FROM INSIDE SILT BAG AS NEEDED. DISPOSE OF SILT BAG NO LONGER IN USE AT AN APPROPRIATE RECYCLING OR SOLID WASTE FACILITY.

INLET INSPECTION:
 TO INSPECT INLET, REMOVE SILT BAG WITH GRATE INSIDE, INSPECT CATCH BASIN AND REPLACE SILT BAG BACK INTO GRATE FRAME.

NOTE:
 PONDING IS LIKELY IF SEDIMENT IS NOT REMOVED REGULARLY. THE SILT BAG MUST NEVER BE USED WHERE OVERFLOW MAY ENDANGER AN EXPOSED SLOPE.

A1 SILT BAG INLET PROTECTION
N.T.S.

A2 COMPOST FILTER SOCK
N.T.S.

A3 PAVEMENT MARKINGS & NOTES
N.T.S.

NOTES:

ALL PAVEMENT MARKINGS TO BE WHITE PAVEMENT PAINT, UNLESS STATED OTHERWISE.

MARKING (STRIPING) PAINT FOR PARKING SPACES, TRAFFIC ARROWS, ADA PARKING AND SYMBOLS, ETC., PER LOCAL REQUIREMENTS AND AS FOLLOWS:

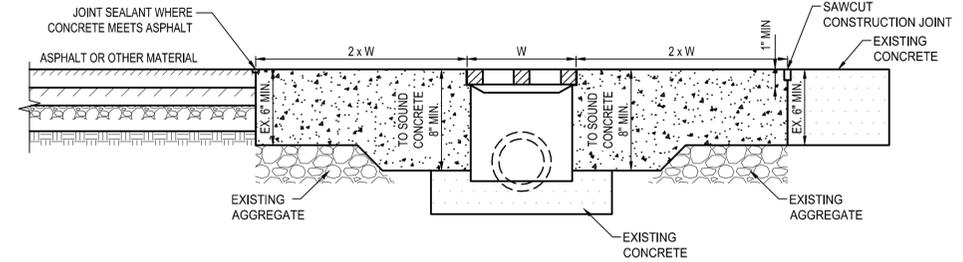
EXISTING SURFACES WITHOUT ANY SEAL COATING: OIL BASE (ALKYD RESIN TYPE TO MEET FEDERAL SPECIFICATION TTP-1952).

NEW OR EXISTING SURFACES WITH A TOP COATING OR SEAL COATING (USUALLY WATER BASE FAST DRYING 100% ACRYLIC TYPE); WATER BASE TYPE TO MEET FEDERAL SPECIFICATION TTP-01952. FOR COLD WEATHER APPLICATION PAINT PRODUCT SHALL BE IN ACCORDANCE WITH ASTM-D2369, D1394, D3723, D1475, D562, AND D711

PROVIDE A NON-SLIP AGGREGATE ADDITIVE TO MARKING PAINT USED AT ADA ACCESS RAMP.

APPLY 2 COATS WITH STRAIGHT EDGES. YELLOW ON CONCRETE/WHITE ON ASPHALT EXCEPT WHEN MATCHING ADJACENT OR EXISTING COLOR WHEN THE PAVING IS AN EXPANSION OR SEGMENT OF A LARGER LOT.

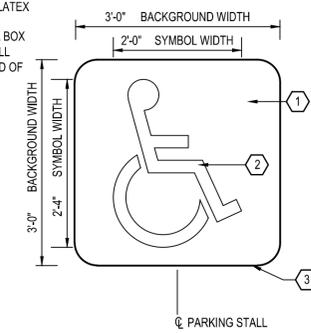
A3 PAVEMENT MARKINGS & NOTES
N.T.S.



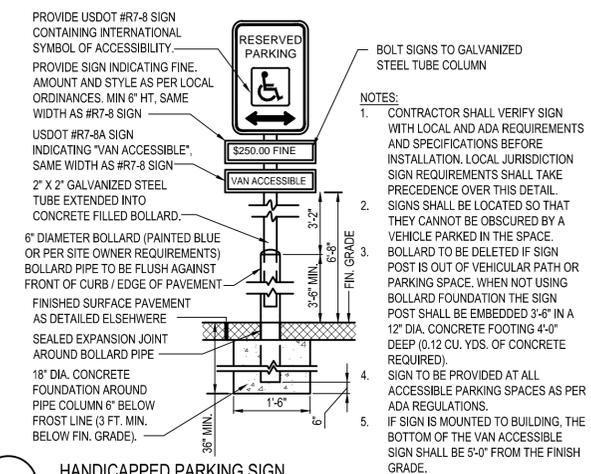
C3 TRENCH DETAIL COLLAR
N.T.S.

KEYED NOTES

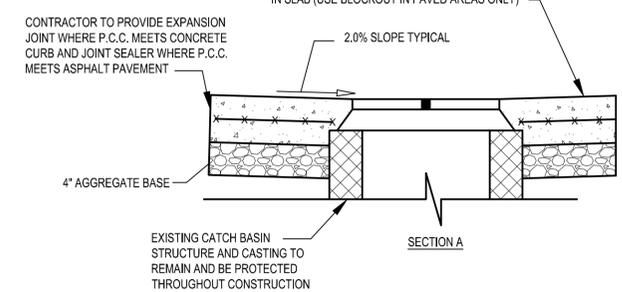
1. PAINT BACKGROUND BENJAMIN MOORE M58 SAFETY & ZONE MARKING LATEX M58-30 - BLUE
2. PAINT SYMBOL BENJAMIN MOORE M58 SAFETY & ZONE MARKING LATEX M58-01 - WHITE 4" WIDTH
3. BOTTOM EDGE OF SYMBOL BOX SHALL MATCH END OF STALL STRIPE AT DRIVE AISLE END OF STALL.



B3 ADA PAVEMENT SYMBOL
N.T.S.

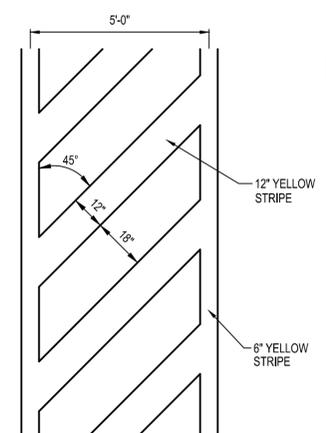


B4 HANDICAPPED PARKING SIGN
N.T.S.



A4 CONCRETE COLLAR
N.T.S.

A5 CROSSWALK STRIPING
N.T.S.



DESCRIPTION
DATE
REV.



**CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS
 PAVEMENT MAINTENANCE PLANS**

ISSUED FOR:	
PERMIT	XX/XX/XX
BID	XX/XX/XX
CONSTRUCTION	XX/XX/XX
RECORD	XX/XX/XX

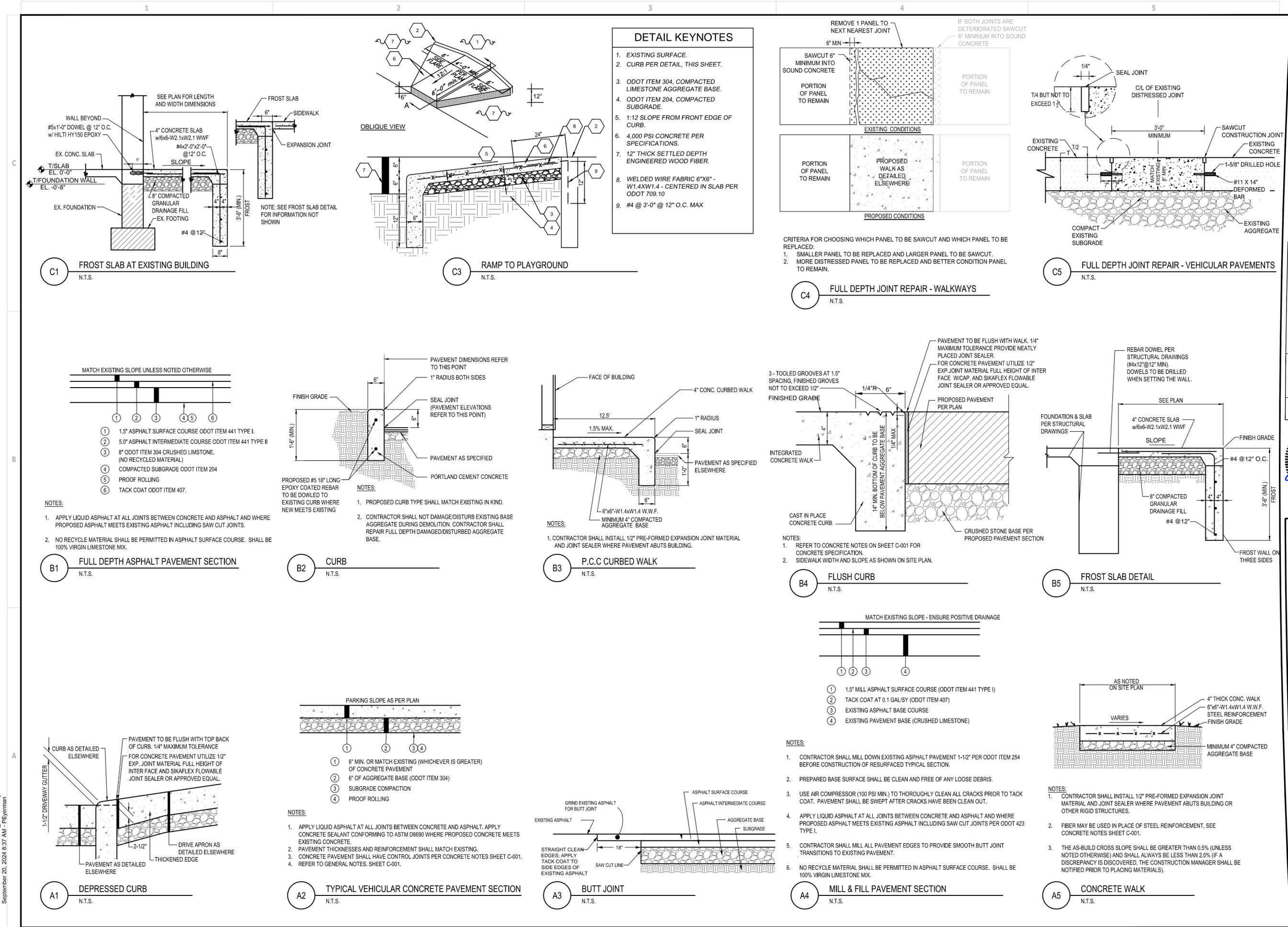
PROJECT MANAGER	DESIGNER
KB	PE

JOB NO.
2024086.01

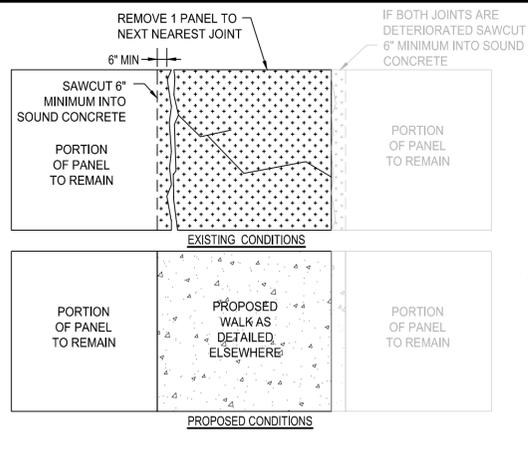
C-500

DETAILS

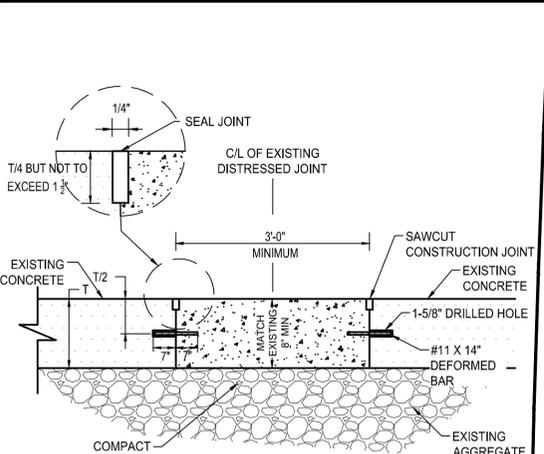
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 September 20, 2024 8:37 AM - PEYERMAN



- ### DETAIL KEYNOTES
- EXISTING SURFACE.
 - CURB PER DETAIL, THIS SHEET.
 - ODOT ITEM 304, COMPACTED LIMESTONE AGGREGATE BASE.
 - ODOT ITEM 204, COMPACTED SUBGRADE.
 - 1:12 SLOPE FROM FRONT EDGE OF CURB.
 - 4,000 PSI CONCRETE PER SPECIFICATIONS.
 - 12" THICK SETTLED DEPTH ENGINEERED WOOD FIBER.
 - WELDED WIRE FABRIC 6"x6" - W1.4xW1.4 - CENTERED IN SLAB PER ODOT 709.10
 - #4 @ 3'-0" @ 12" O.C. MAX



- CRITERIA FOR CHOOSING WHICH PANEL TO BE SAWCUT AND WHICH PANEL TO BE REPLACED:
- SMALLER PANEL TO BE REPLACED AND LARGER PANEL TO BE SAWCUT.
 - MORE DISTRESSED PANEL TO BE REPLACED AND BETTER CONDITION PANEL TO REMAIN.



- CRITERIA FOR CHOOSING WHICH PANEL TO BE SAWCUT AND WHICH PANEL TO BE REPLACED:
- SMALLER PANEL TO BE REPLACED AND LARGER PANEL TO BE SAWCUT.
 - MORE DISTRESSED PANEL TO BE REPLACED AND BETTER CONDITION PANEL TO REMAIN.

DESCRIPTION	DATE	REV.



CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS PAVEMENT MAINTENANCE PLANS
DETAILS

ISSUED FOR:	
PERMIT	XX/XX/XX
BID	XX/XX/XX
CONSTRUCTION	XX/XX/XX
RECORD	XX/XX/XX
PROJECT MANAGER	DESIGNER
KB	RD

JOB NO.
2024086.01

C-501

DESCRIPTION	
DATE	
REV.	



**CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS
PAVEMENT MAINTENANCE PLANS**

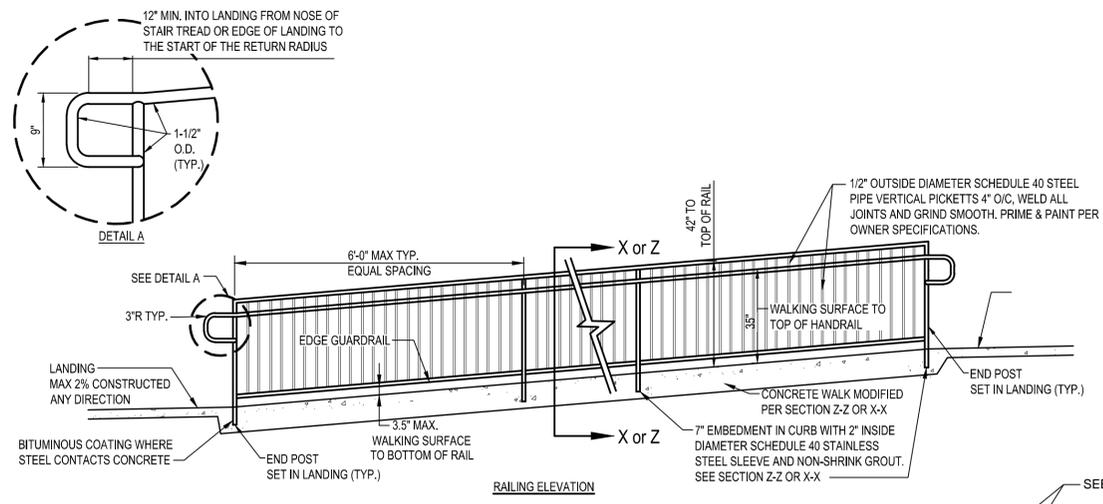
ISSUED FOR:	
PERMIT	XX/XX/XX
BID	XX/XX/XX
CONSTRUCTION	XX/XX/XX
RECORD	XX/XX/XX

PROJECT MANAGER	DESIGNER
KB	RD

JOB NO.
2024086.01

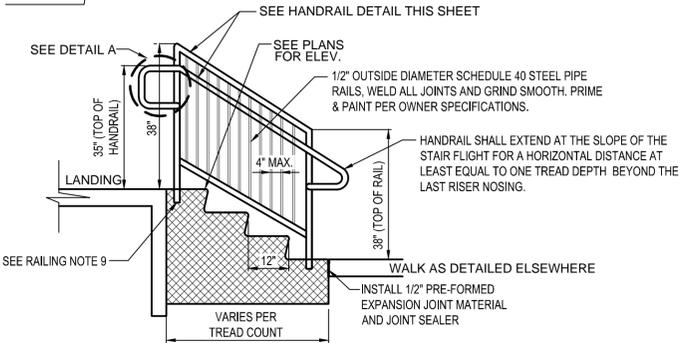
C-502

DETAILS



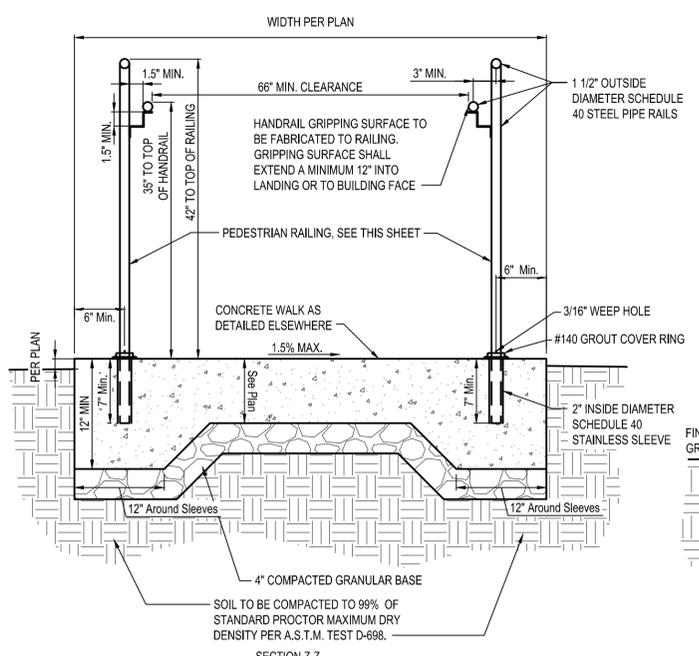
RAILING NOTES:

- PROVIDE 1 1/2" OUTSIDE DIAMETER SCHEDULE 40 STEEL PIPE RAIL FRAMES. WELD ALL JOINTS AND GRIND SMOOTH. PRIME & PAINT PER OWNER SPECIFICATIONS.
- PROVIDE METAL FREE FROM PITTING, SEAM MARKS, ROLLER MARKS, GRINDING MARKS AND STAINS AT AREAS EXPOSED TO VIEW ON COMPLETED RAIL UNITS.
- PROVIDE "SKATE STOPPERS" OR APPROVED EQUAL ANTI-SKATE BLOCKS, INSTALLED ONLY ALONG THE BOTTOM EDGE GUARDRAIL AT 6" ON CENTER PER MANUFACTURER'S RECOMMENDATIONS, NOT TO BE USED ON THE GRIPING SURFACE OF THE HANDRAIL.
- RAILINGS SHALL RESIST A CONCENTRATED LOAD OF 200# IN ANY DIRECTION & A 50# LF LOAD IN ANY DIRECTION. (NOT CONCURRENTLY)
- SET SUPPORT POSTS 7" DEEP (Min.) IN 12" CONCRETE WALK, SEE SECTION A-A.
- ALL UNPAINTED METAL SHALL RECEIVE 2 COATS OF ALKYD SEMI-GLOSS PAINT (OWNER SPECIFIED) OVER SHOP-APPLIED PRIMER.
- ALL SUPPORT POSTS SHALL SINGLE POSTS WITH RAILING SUPPORTS EXCEPT AT VERTICAL RETURN ENDS WHERE POSTS SHALL BE PROVIDED FOR EACH RAIL.
- HANDRAILS SHALL BE PROVIDED ON BOTH SIDES OF WALKWAYS REQUIRING HANDRAILS, WITH A MINIMUM OF 36 INCHES CLEAR SPACE ALONG THE ENTIRE LENGTH OF THE WALKWAY. MAXIMUM VERTICAL RISE BETWEEN LANDINGS SHALL BE 30 INCHES.
- 7" EMBEDMENT (Min.) WITH 2" INSIDE DIAMETER SCHEDULE 40 STAINLESS STEEL SLEEVE AND NON-SHRINK GROUT TO BE USED AT ALL VERTICAL RAILING SUPPORTS.
- HANDRAIL GRIPPING SURFACE TO BE FABRICATED TO 1 1/2" VERTICAL RAILING POSTS.
- CONTRACTOR SHALL SUBMIT SHOP DRAWING FOR HANDRAILS PRIOR TO PURCHASE AND INSTALLATION.
- FINISH AND COLOR SHALL BE PER OWNERS DIRECTION.
- STEEL MATERIAL
 - TUBING: ASTM A 500 OR ASTM A 513.
 - PIPE: ASTM A53/A TYPE F OR TYPE S, GRADE A, STANDARD WEIGHT (SCHEDULE 40). PROVIDE CLEAR POWDER COAT FINISH WITH 2604 POWDER. CLEAR ANODIZED COATING SHALL BE M10C22A41 WITH A NOMINAL THICKNESS OF .7 MIL.
 - PLATES, SHAPES AND BAR: ASTM A 36/A 36M.
 - FITTINGS: ASTM A 278/A 479 TYPE 304 OR TYPE 316.



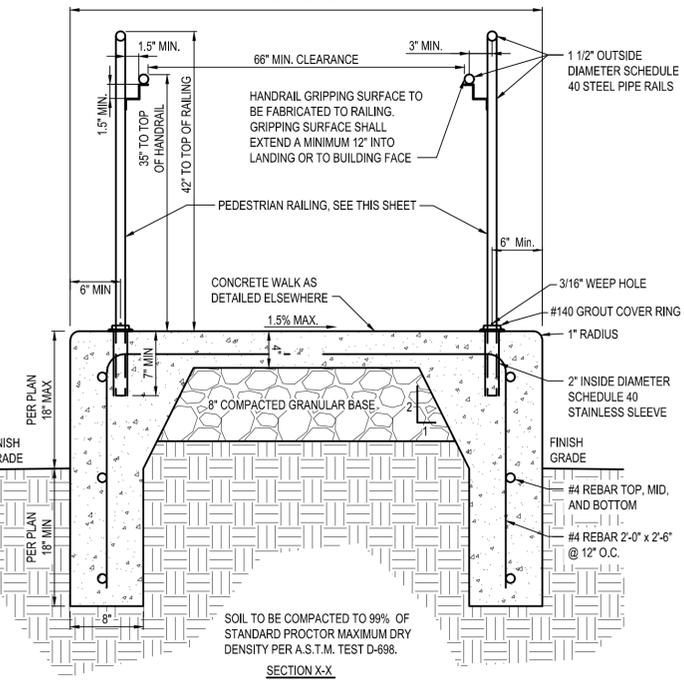
- NOTE:**
- STAIR SHALL BE CONSTRUCTED PER ODOT STANDARD CONSTRUCTION DETAIL RM-2.1 AND MODIFIED PER ABOVE AND THE FOLLOWING:
 - HANDRAILS SHALL BE PER DETAIL THIS SHEET AND ON BOTH SIDES.
 - NO CURB REQUIRED ON EDGES OF STAIRS.
 - SEE PLANS FOR ELEVATION, TREAD COUNT AND HEIGHTS.

STAIR HANDRAIL DETAIL



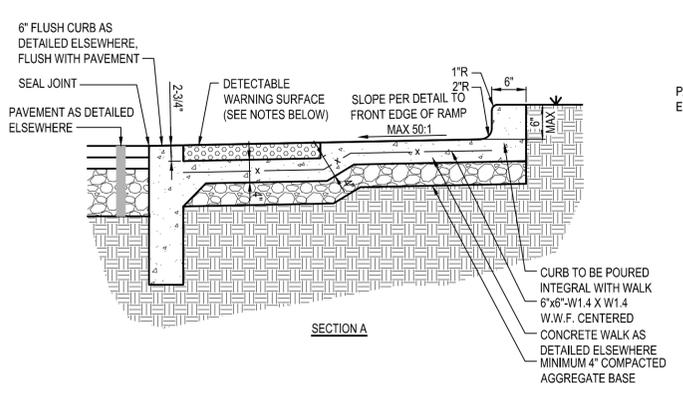
NOTE:
CONTRACTOR SHALL ADHERE TO ALL CURRENT ADA AND LOCAL/FEDERAL REGULATIONS (WHICHEVER MORE STRINGENT) FOR ALL ACCESSIBLE ROUTES APPLICABLE FOR THE SUBJECT PROPERTY IMPROVEMENT. IF ANY DISCREPANCIES OCCUR, CURRENT ADA REGULATIONS AND LOCAL REGULATIONS TAKE PRECEDENCE OVER THE PROJECT SITE PLANS.

A1 ADA ACCESSIBLE RAMP TYPE 1 AND HANDRAIL
N.T.S.

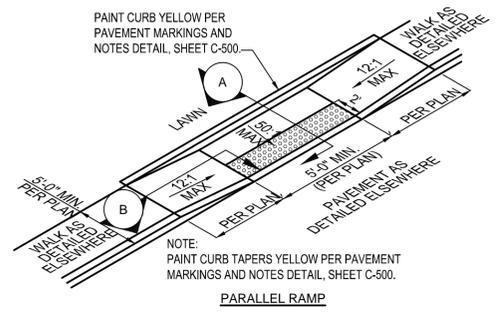


NOTE:
CONTRACTOR SHALL ADHERE TO ALL CURRENT ADA AND LOCAL/FEDERAL REGULATIONS (WHICHEVER MORE STRINGENT) FOR ALL ACCESSIBLE ROUTES APPLICABLE FOR THE SUBJECT PROPERTY IMPROVEMENT. IF ANY DISCREPANCIES OCCUR, CURRENT ADA REGULATIONS AND LOCAL REGULATIONS TAKE PRECEDENCE OVER THE PROJECT SITE PLANS.

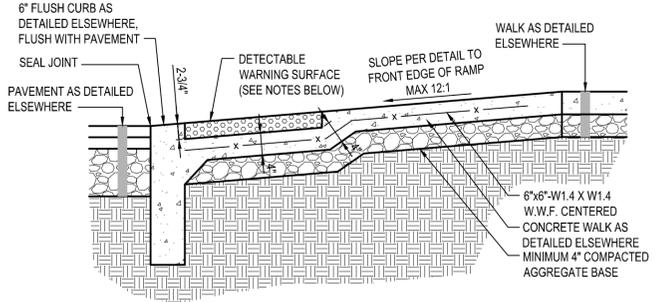
A2 ADA ACCESSIBLE RAMP TYPE 2 AND HANDRAIL
N.T.S.



SECTION A



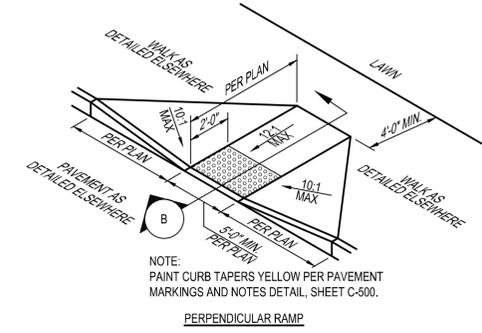
PARALLEL RAMP



SECTION B

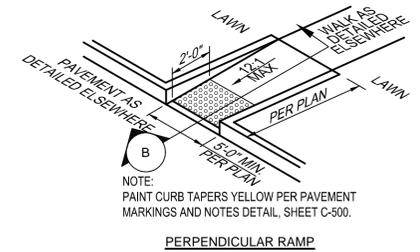
DETECTABLE WARNINGS

- ARMOR-TILE TACTILE SYSTEMS DETECTABLE WARNING SURFACE PER ARMOR-TILE SPECIFICATIONS FOR INSTALLATION (WWW.ARMOR-TILE.COM)
- DETECTABLE WARNING COLOR SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT.



PERPENDICULAR RAMP

B4 ADA CURB RAMP
N.T.S.



PERPENDICULAR RAMP



1.5" Radius, 0.4" Border, 0.4" Indent, White on Blue;
ada; [ACCESSIBLE] C 2K;
[PASSENGER] C 2K 50; spacing;
[LOADING] C 2K 50; spacing;
[ZONE] C 2K 50; spacing;

NOTE

ALL SIGNS NOTED SHALL CONFORM TO THE LATEST ODOT SPECIFICATIONS.

ALL SIGNS SHALL BE MOUNTED TO A HEIGHT OF 7'-0" MEASURED TO THE BOTTOM OF SIGN.

POSTS SHALL BE DRIVEN TO A MINIMUM OF 42" INCH DEPTH.

A5

ACCESSIBLE PASSENGER LOADING ZONE SIGN
N.T.S.

