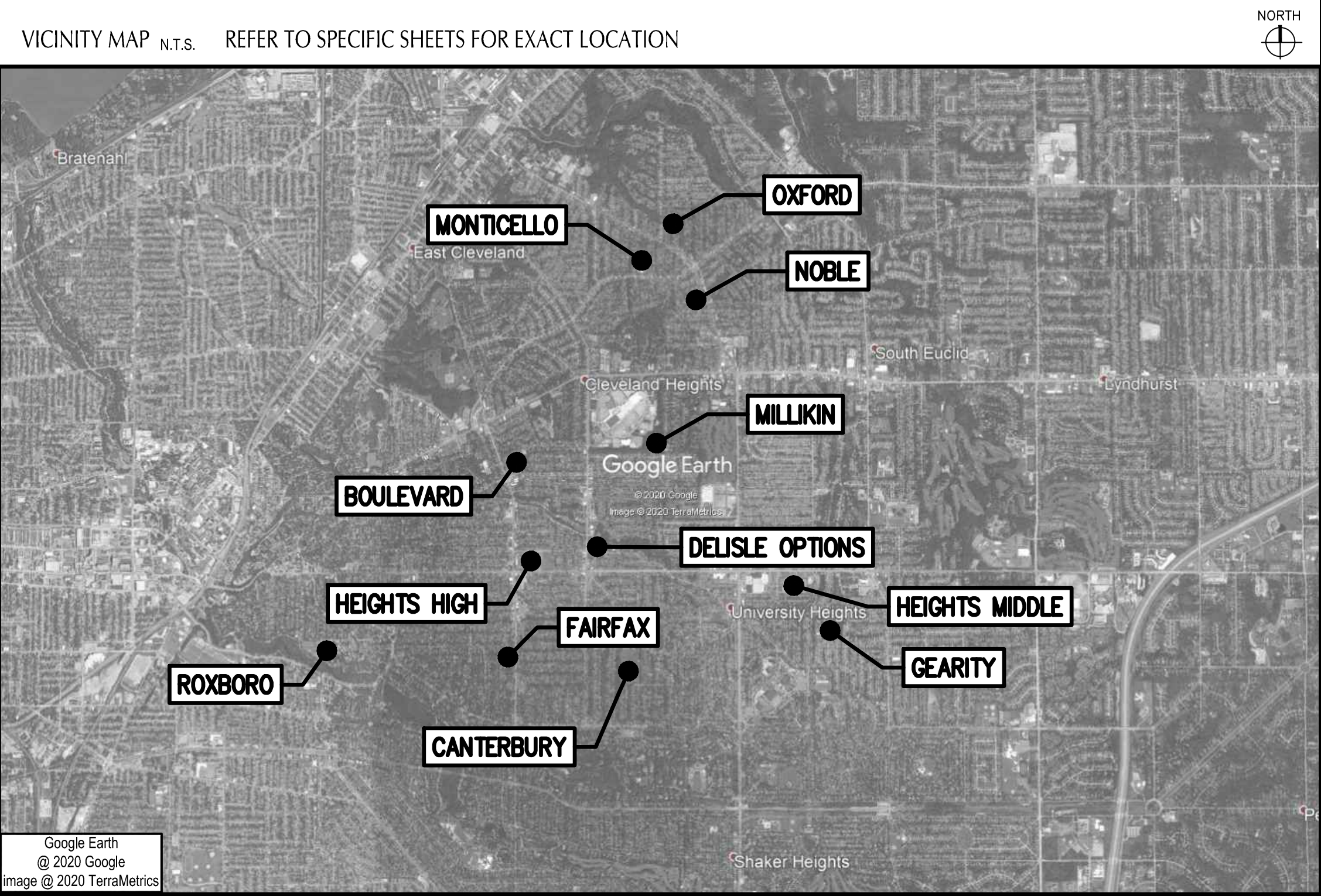


PAVEMENT MAINTENANCE PLANS
FOR
CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS CITY SCHOOL DISTRICT
SEPTEMBER, 2024
PROJECT #2024086.01



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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

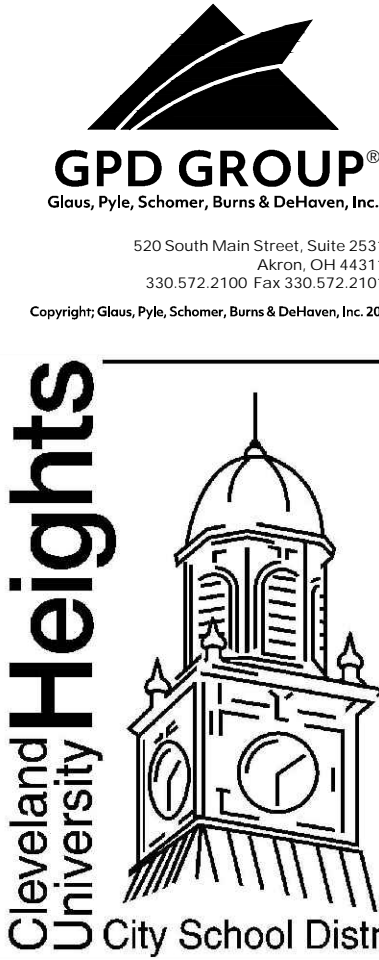
THE PLANS HAVE BEEN CREATED ON ANSI D (22" x 34") SHEETS. FOR REDUCTIONS REFER TO GRAPHIC SCALE.

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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DESCRIPTION

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REV.



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

Drawing Name: 0\2024\0204086 CH-UH_CSD01_Sidewalks And Pvm Program\4_ Working Files\00_ (software Version Year)
CADD\Sheets\1-TS-Notes & Details.dwg
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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 FILL 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 (BUSTR). 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 SPATTER, 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 ATTAINED FROM OUTSIDE REFERENCE SOURCE LOCATIONS SUCH AS, BUT NOT LIMITED TO, LOCAL AUTHORITY AGENCIES, DESIGN REFERENCE MANUALS, MANUFACTURE'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 ENTRAINMENT 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 60 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 UNDESIED CRACKS FORM THROUGH ANY PLACED 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 FOR SHRINKAGE CRACK CONTROL - (CURBS, WALKS, STEPS, RAMPS)

POLYPROPYLENE OR POLYETHYLENE MICRO SYNTHETIC FIBERS @ 1.5 LBS / CY (FIBERMESH 300 OR APPROVED EQUAL)

- 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 MANUFACTURES 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

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

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

PROPOSED EDGE OF PAVEMENT

PROPOSED CURB

PROPOSED TRAFFIC SIGN

PROPOSED TRANSVERSE STRIPING

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 NOTES

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

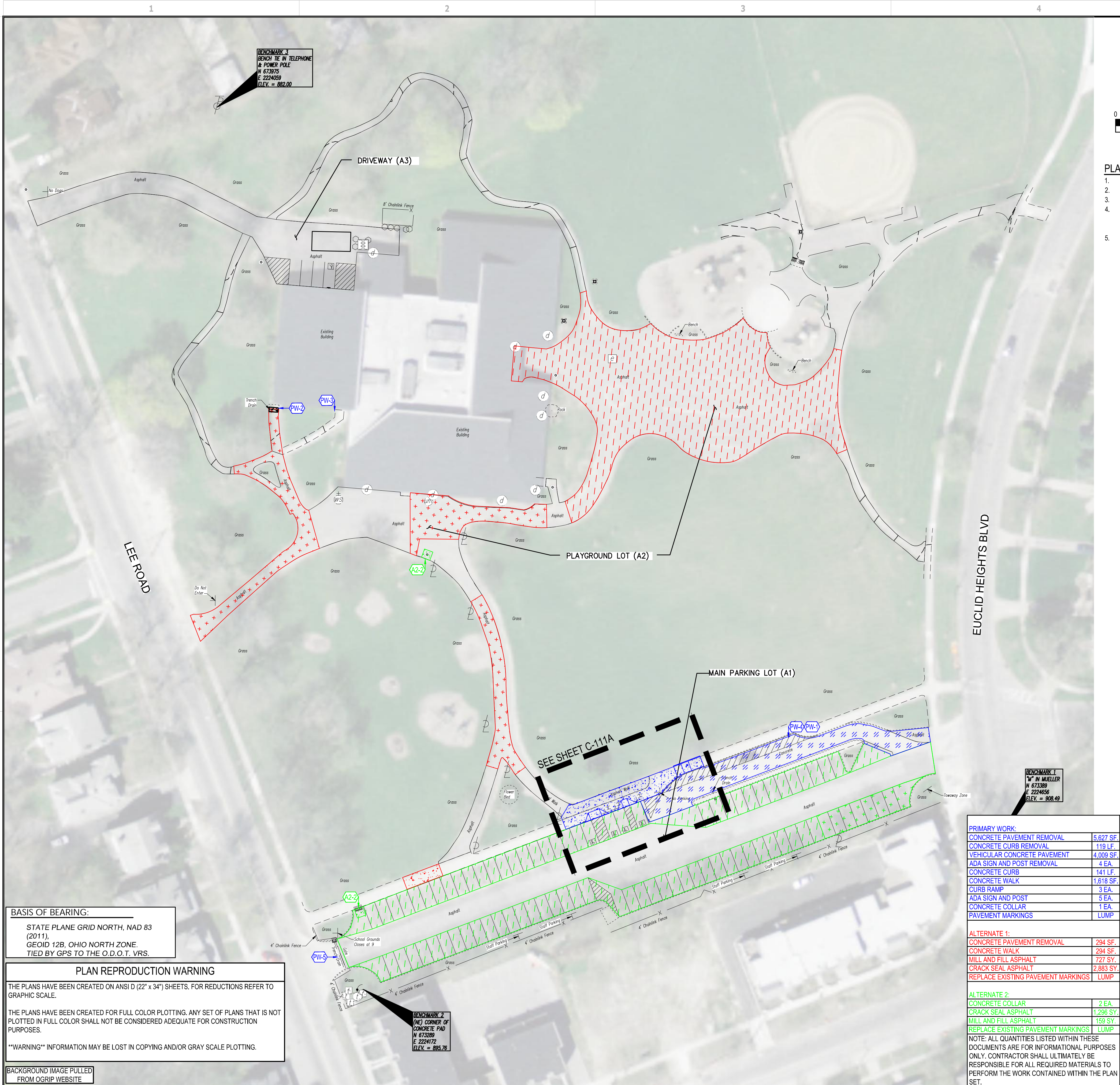
C-001

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Cleveland Heights
University
City School District

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



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

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.

N

0 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

1,618 SF

PRIMARY WORK: PROPOSED FULL DEPTH CONCRETE PAVEMENT REPLACEMENT.

4,009 SF

PRIMARY WORK: PROPOSED VEHICULAR CONCRETE PAVEMENT.

294 SF

ALTERNATE 1: PROPOSED FULL DEPTH CONCRETE PAVEMENT REPLACEMENT.

727 SY

ALTERNATE 1: PROPOSED MILL AND FILL.

2,883 SY

ALTERNATE 1: PROPOSED CRACK SEAL. SEE GENERAL NOTES THIS SHEET.

1,296 SY

ALTERNATE 2: PROPOSED CRACK SEAL. SEE GENERAL SHEET NOTES THIS SHEET.

159 SY

ALTERNATE 2: PROPOSED MILL AND FILL.

EXISTING TRANSVERSE STRIPING

EXISTING PAINTED INTERNATIONAL ADA SYMBOL

KEY MAP

N.T.S.

PROJECT SITE

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 CONTRACTORS RESPONSIBILITY TO ENSURE PROPER 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 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 OR 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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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

BOULEVARD ELEMENTARY SCHOOL

PAVEMENT MAINTENANCE PLAN

1749 LEE RD, CLEVELAND HTS.

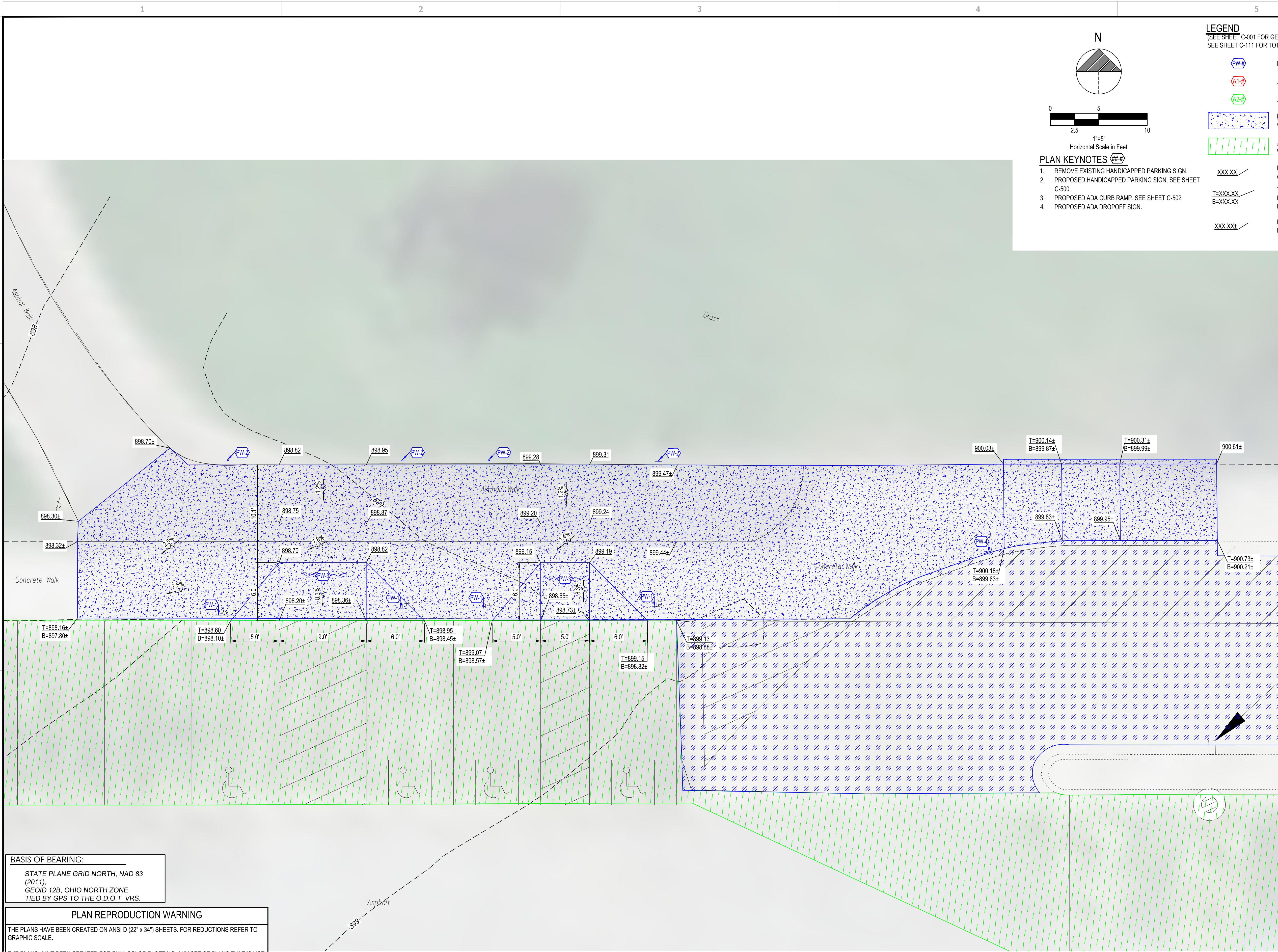
ISSUED FOR:	
PERMIT	XX/XX/XX
BID	XX/XX/XX
CONSTRUCTION	XX/XX/XX
RECORD	XX/XX/XX
PROJECT MANAGER	DESIGNER
KB	PE

JOB NO.

2024086.01

C-111

Drawing Name: O:\2024\2024086 CH-UH CSD01 Sidewalks And Pvm Program\4_Working Files\00_Software Version Year)
CAD\0\Sheets\C-111_Boulevard.dwg
September 20, 2024 8:30 AM - PEYEMAN



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

- 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** (##-#)
- REMOVE EXISTING HANDICAPPED PARKING SIGN.
 - PROPOSED HANDICAPPED PARKING SIGN. SEE SHEET C-500.
 - PROPOSED ADA CURB RAMP. SEE SHEET C-502.
 - PROPOSED ADA DROPOFF SIGN.

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Cleveland 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

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

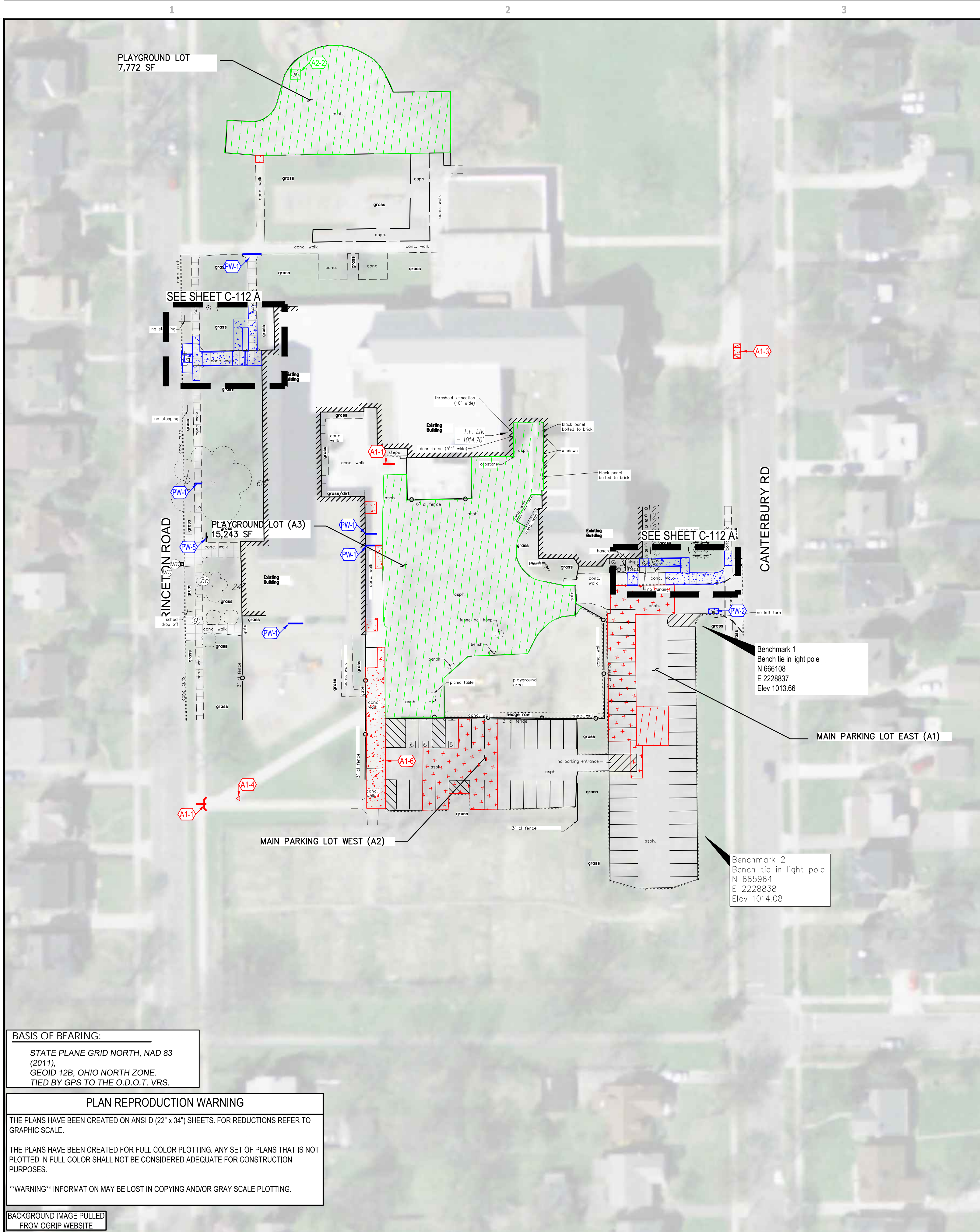
ISSUED FOR:
PERMIT XX/XX/XX
BID XX/XX/XX
CONSTRUCTION XX/XX/XX
RECORD XX/XX/XX

PROJECT MANAGER KB
DESIGNER PE

JOB NO.
2024086.01

C-111 A

Drawing Name: O:\2024\2024086 CH-UH_CSD01 Sidewalks And Pymt Program\4_Working Files\00_ (software Version Year)
C:\Users\pyle\OneDrive\Documents\2024086 CH-UH_CSD01 Sidewalks And Pymt Program\4_Working Files\00_ (software Version Year)
September 20, 2024 8:30 AM - P. Eyerman



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.

BACKGROUND IMAGE PULLED
FROM OGRIP WEBSITE

PRIMARY WORK:	
CONCRETE PAVEMENT REMOVAL	1,488 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	86 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.	

020

040

080

1"=40'

Horizontal Scale in Feet

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.

LEGEND

(SEE SHEET C-001 FOR GENERAL LEGEND)

35 LF.

1,641 SF.

25 LF.

1,611 SF.

582 SY.

86 SY.

2,553 SY.

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

KEY MAP

N.T.S.

GENERAL SHEET NOTES

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- FOR THE IDENTIFIED AREAS, CONTRACTOR SHALL CRACK SEAL EXISTING ASPHALT COURSES PER ODOT 423. ALL CRACKS GREATER THAN 1/8 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 CONTRACTORS 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 TRACKED QUANTITIES OF FIELD MARKED IMPROVEMENTS TO OBTAIN AN OFFICIAL APPROVAL TO PROCEED AND FOR PAYMENT REQUESTS.

020

040

080

1"=40'

Horizontal Scale in Feet

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.

LEGEND

(SEE SHEET C-001 FOR GENERAL LEGEND)

35 LF.

1,641 SF.

25 LF.

1,611 SF.

582 SY.

86 SY.

2,553 SY.

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

KEY MAP

N.T.S.

DESCRIPTION

DATE

REV.

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

BID

CONSTRUCTION

RECORD

PROJECT MANAGER

DESIGNER

JOB NO.

2024086.01

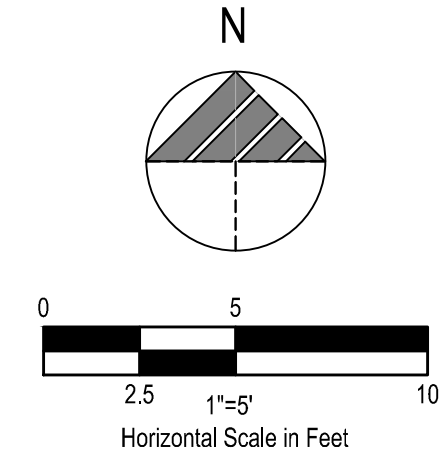
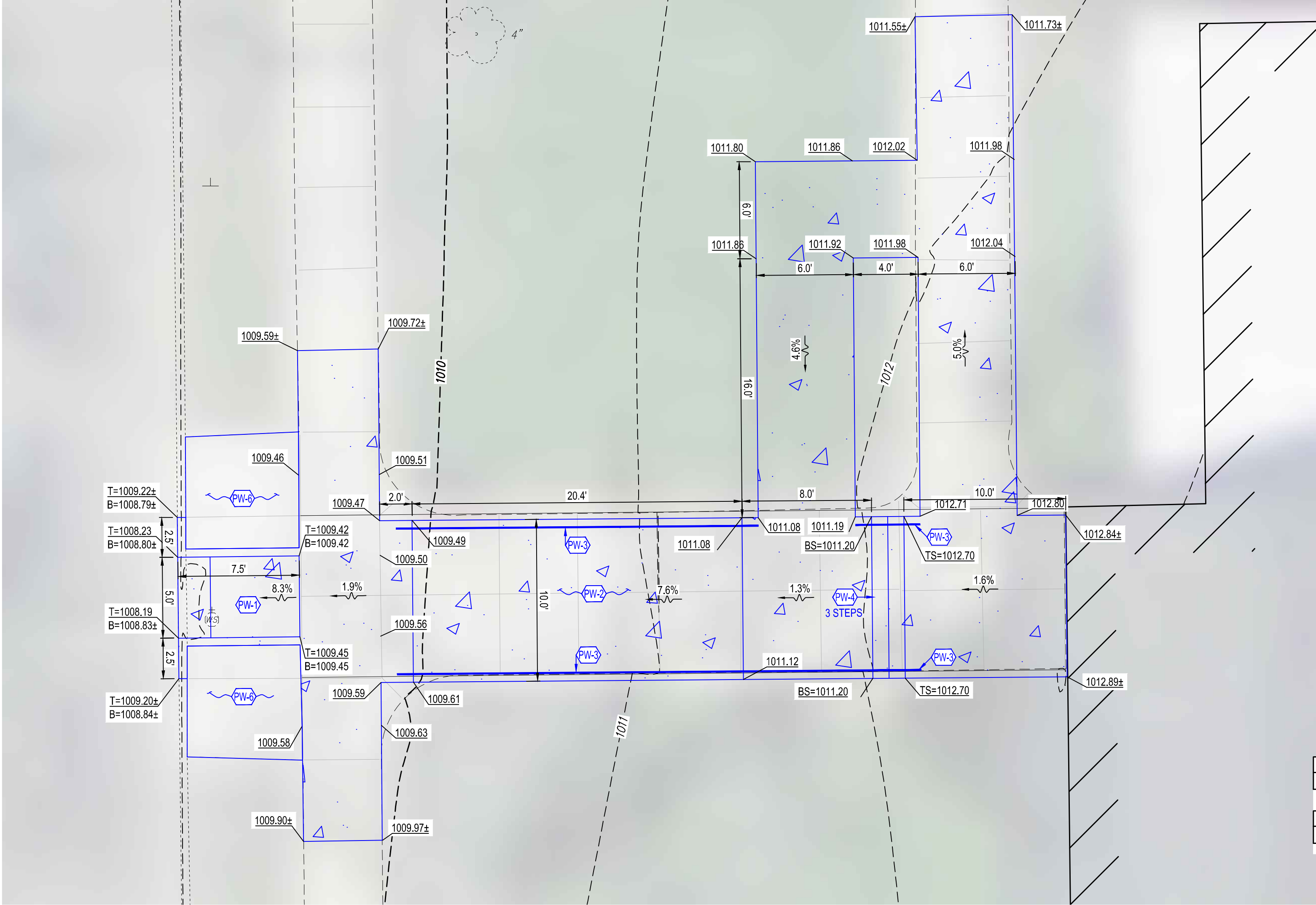
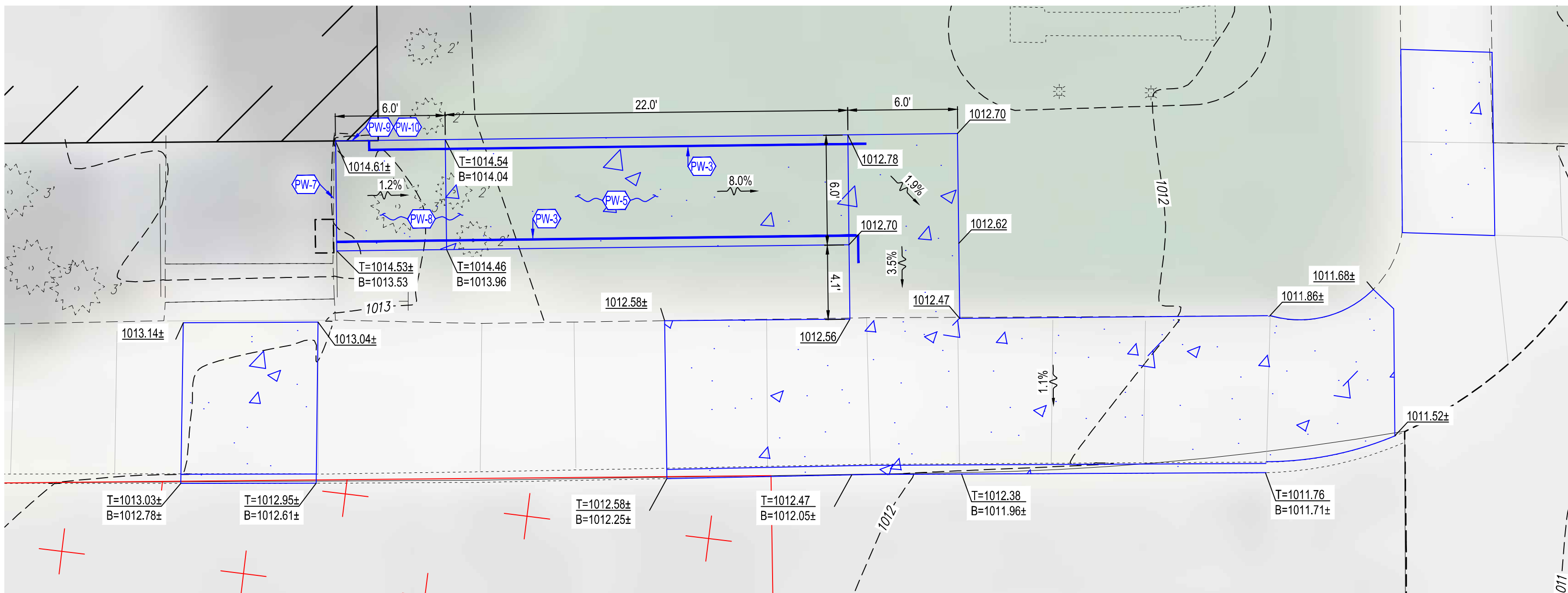
C-112

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CAD\0\Sheets\3-C-112_Canterbury.dwg
September 20, 2024 8:30 AM - PEYerman

A

B

C





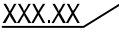

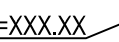
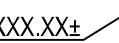


PLAN KEYNOTES (###)


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.

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

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
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
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

PLAN REPRODUCTION WARNING

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

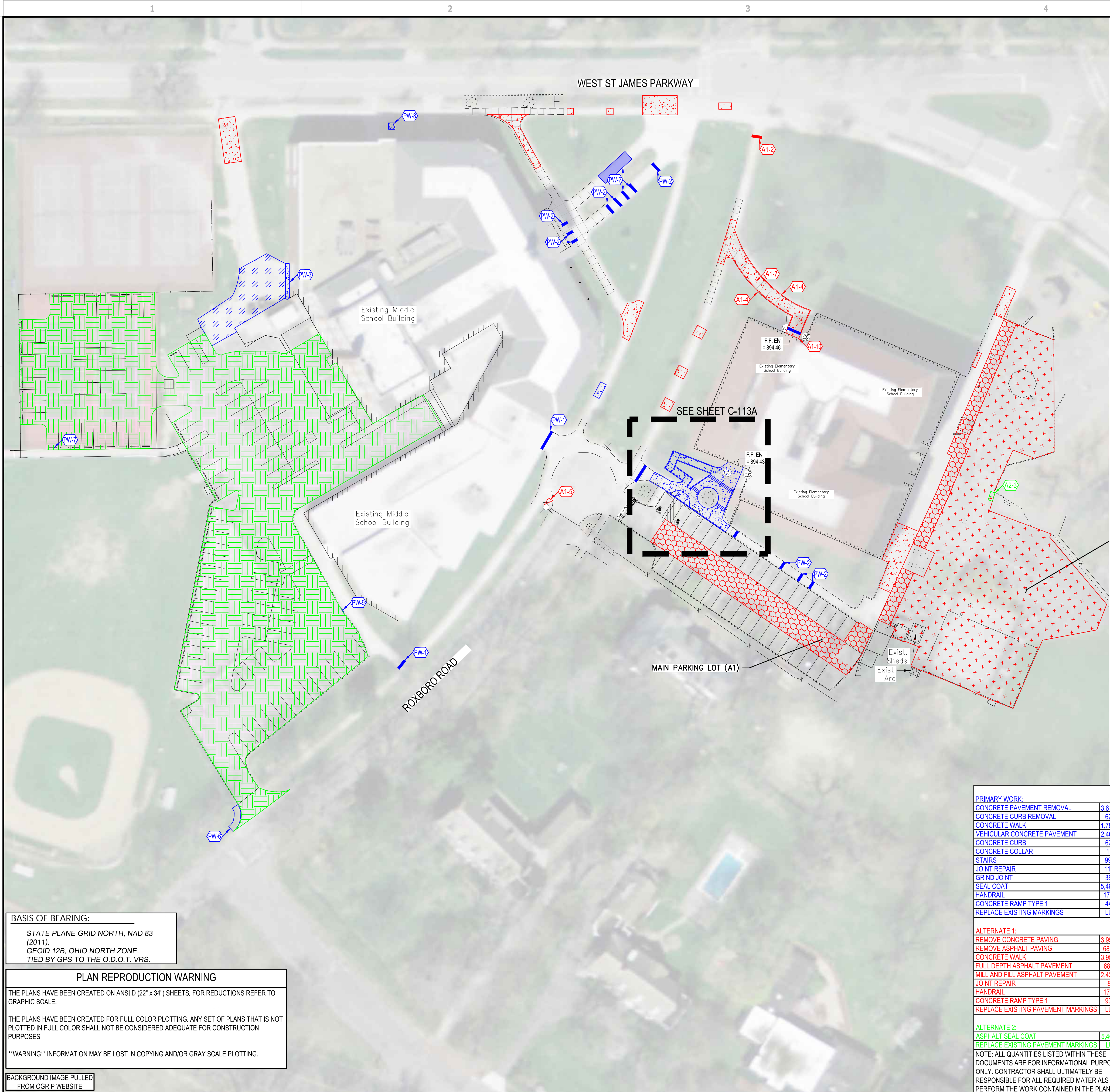
THE PLANS HAVE BEEN CREATED FOR FULL COLOR PLOTTING. ANY SET OF PLANS THAT IS NOT PLOTTED IN FULL COLOR SHALL NOT BE CONSIDERED ADEQUATE FOR CONSTRUCTION PURPOSES.

***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.

Drawing Name: O:\2024\2024086 CH-UH CSD01 Sidewalks And Pvm Program\4_ Working Files\00_ (software Version Year)
C:\Users\p4-c-13\Documents\2024086 CH-UH CSD01 Sidewalks And Pvm Program\4_ Working Files\00_ (software Version Year)
September 20, 2024 6:31 AM - P4-c-13



LEGEND
(SEE SHEET C-001 FOR GENERAL LEGEND)

PRIMARY WORK CONSTRUCTION KEYNOTE

ALTERNATE 1 CONSTRUCTION KEYNOTE

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.

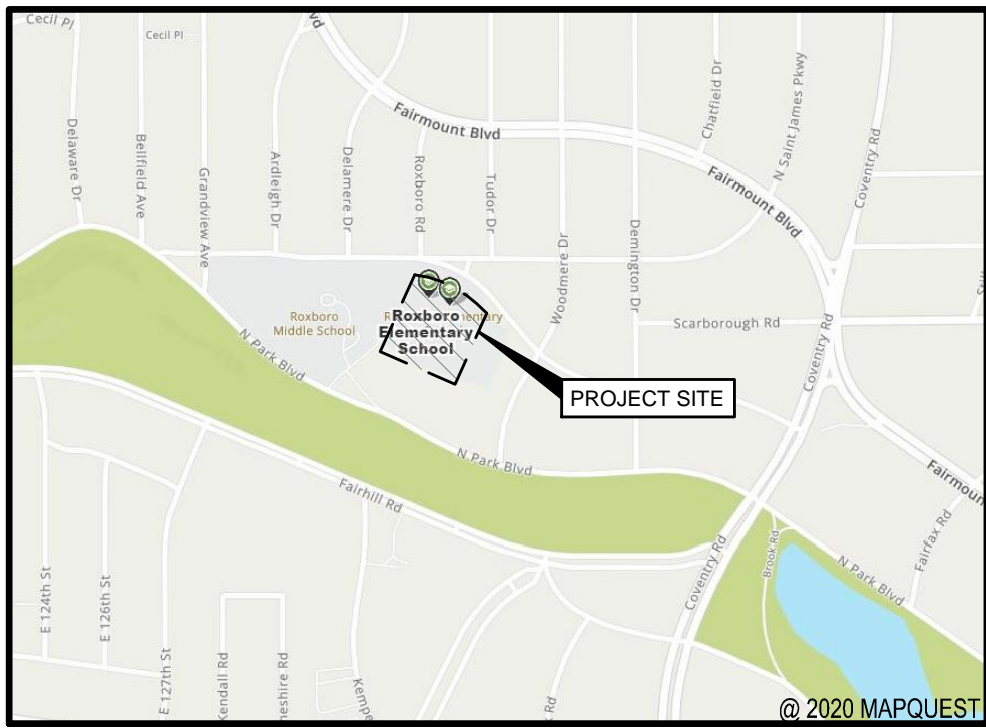
EXISTING TRANSVERSE STRIPING

EXISTING PAINTED INTERNATIONAL ADA SYMBOL

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.

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.
- ALLOWANCE AMOUNT INCLUDES QUANTITIES FOR: ADDITIONAL 12" UNDERCUTS REMOVAL / REPLACEMENT WITH ODOT 304 LESTONE WITH TRIAX GEOTRID. 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
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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

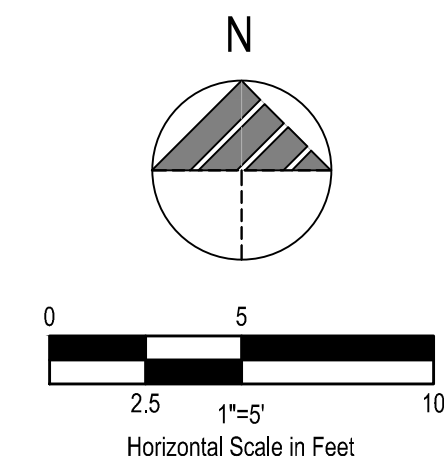
CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS
PAVEMENT MAINTENANCE PLANS

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

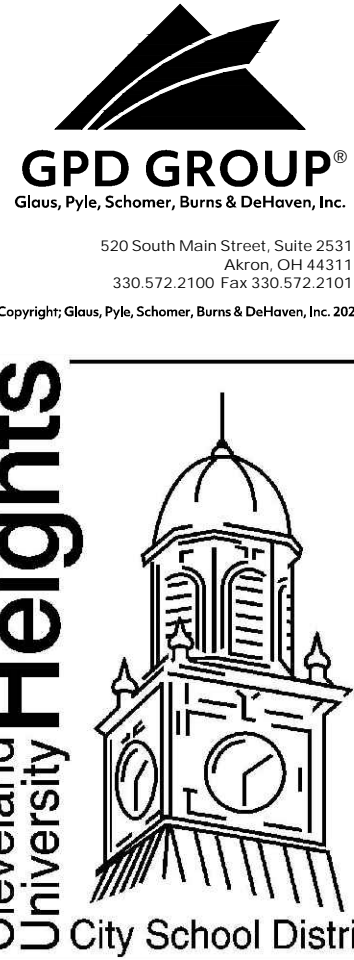
C-113



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C-113A

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CAD/C Sheets\4-C-113 Roxboro.dwg
September 20, 2024 8:31 AM - PEyerman



REV.	DATE	DESCRIPTION



CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS
PAVEMENT MAINTENANCE PLANS

FAIRFAX ELEMENTARY SCHOOL
PAVEMENT MAINTENANCE PLAN

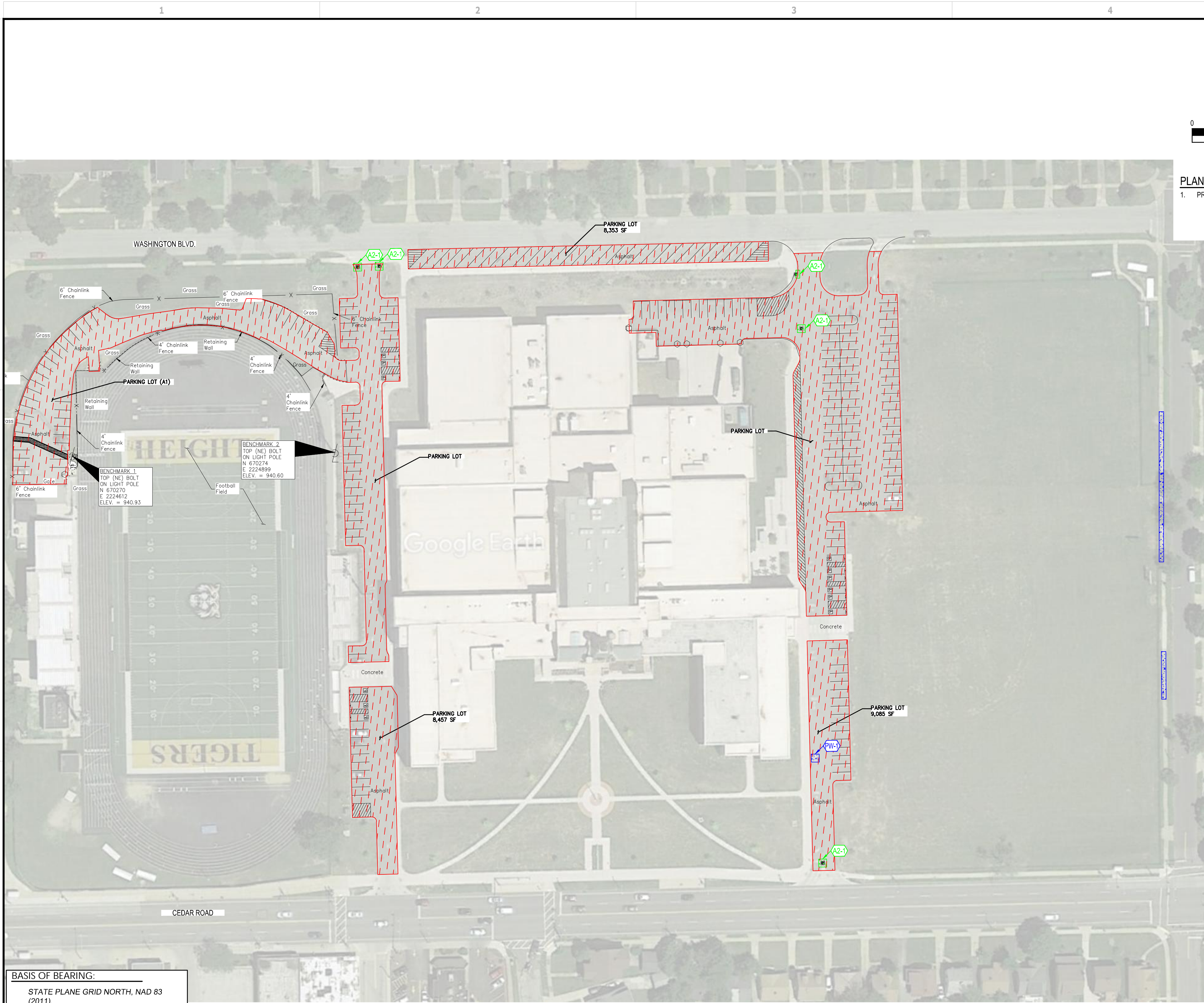
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ISSUED FOR:	
PERMIT	XX/XX/XX
BID	XX/XX/XX
CONSTRUCTION	XX/XX/XX
RECORD	XX/XX/XX
PROJECT MANAGER	DESIGNER
KB	PE

JOB NO.
2024086.01

C-114

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September 20, 2024 8:32 AM - Pfevman



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.

Google Image

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.	

N

0

30

60

120

1"=60'

Horizontal Scale in Feet

PLAN KEYNOTES

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

LEGEND

(SEE SHEET C-001 FOR GENERAL LEGEND)

PRIMARY WORK CONSTRUCTION KEYNOTE

ALTERNATE 1 CONSTRUCTION KEYNOTE

ALTERNATE 2 CONSTRUCTION KEYNOTE

1,080 SF

PRIMARY WORK: PROPOSED FULL DEPTH CONCRETE PAVEMENT REPLACEMENT.

11,515 SY.

ALTERNATE 1: PROPOSED CRACK SEAL AND SEAL COAT. SEE GENERAL NOTES THIS SHEET.

EXISTING TRANSVERSE STRIPING

EXISTING PAINTED INTERNATIONAL ADA SYMBOL

GENERAL SHEET NOTES

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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.
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GPD GROUP

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Cleveland Heights

Cleveland 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

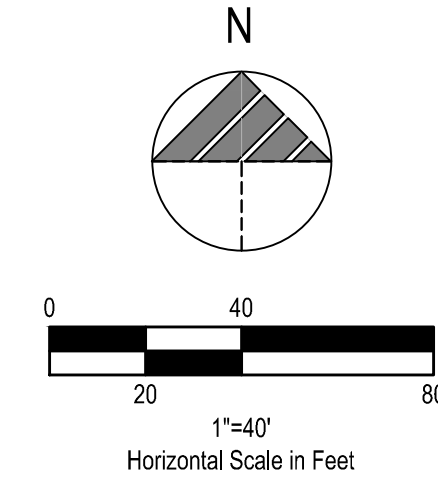
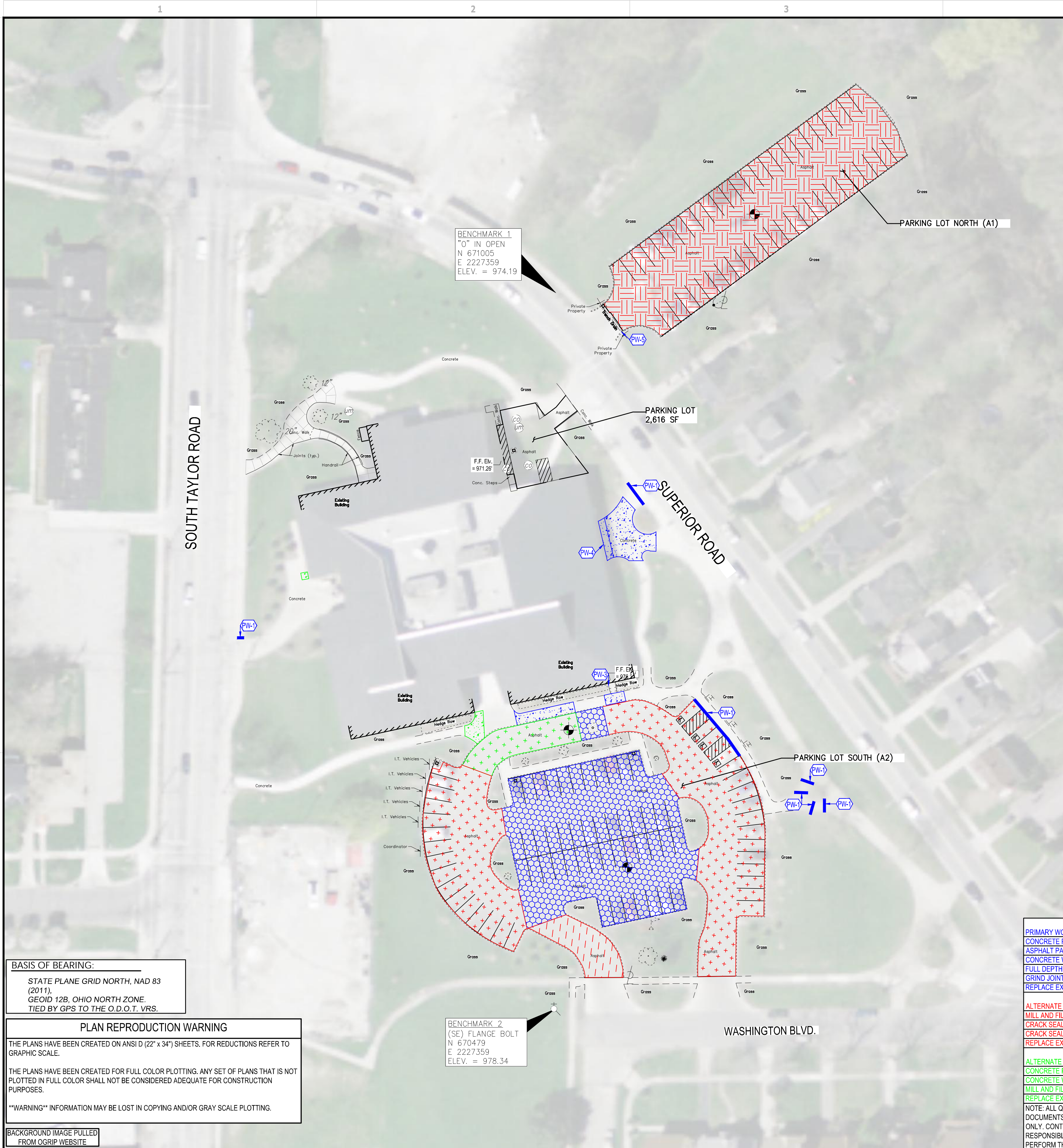
HEIGHTS HIGH SCHOOL
PAVEMENT MAINTENANCE PLAN
13263 CEDAR RD, CLEVELAND HTS.

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

Drawing Name: C:\2024\2024086 CH-UH CSD01 Sidewalks And Pymt Program\4_Working Files\00_ (software Version Year)
C:\2024\2024086 CH-UH CSD01 Sidewalks And Pymt Program\4_Working Files\00_ (software Version Year)
September 20, 2024 8:33 AM - P.E. Yerman



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.

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.



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 GRASSES 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.

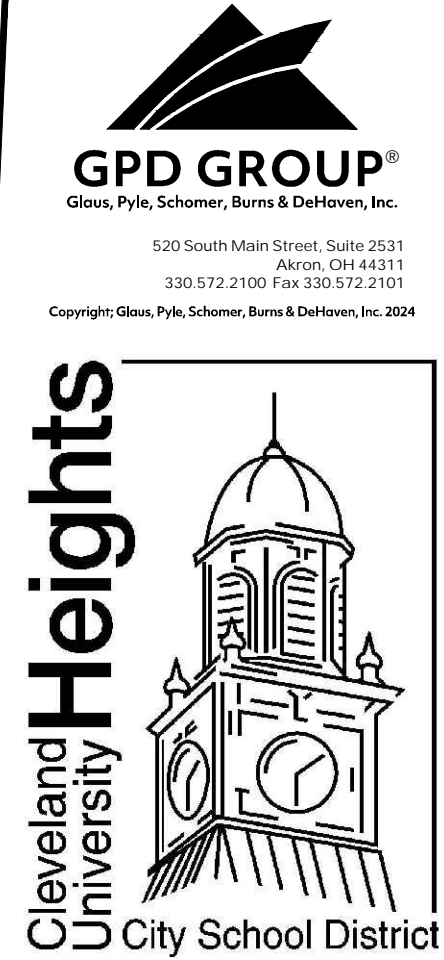
PRIMARY WORK:	
CONCRETE PAVEMENT REMOVAL	1,596 SF.
ASPHALT PAVEMENT REMOVAL	1,565 SY.
CONCRETE WALK	1,596 SF.
FULL DEPTH ASPHALT PAVEMENT	1,565 SY.
GRIND JOINT	98 LF.
REPLACE EXISTING PAVEMENT MARKINGS	LUMP
ALTERNATE 1:	
MILL AND FILL ASPHALT PAVEMENT	1,737 SY.
CRACK SEAL ASPHALT	168 SY.
CRACK SEAL AND 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
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

BENCHMARK 2
(SE) FLANGE BOLT
N 670479
E 2227359
ELEV. = 978.34



DESCRIPTION
DATE
REV.



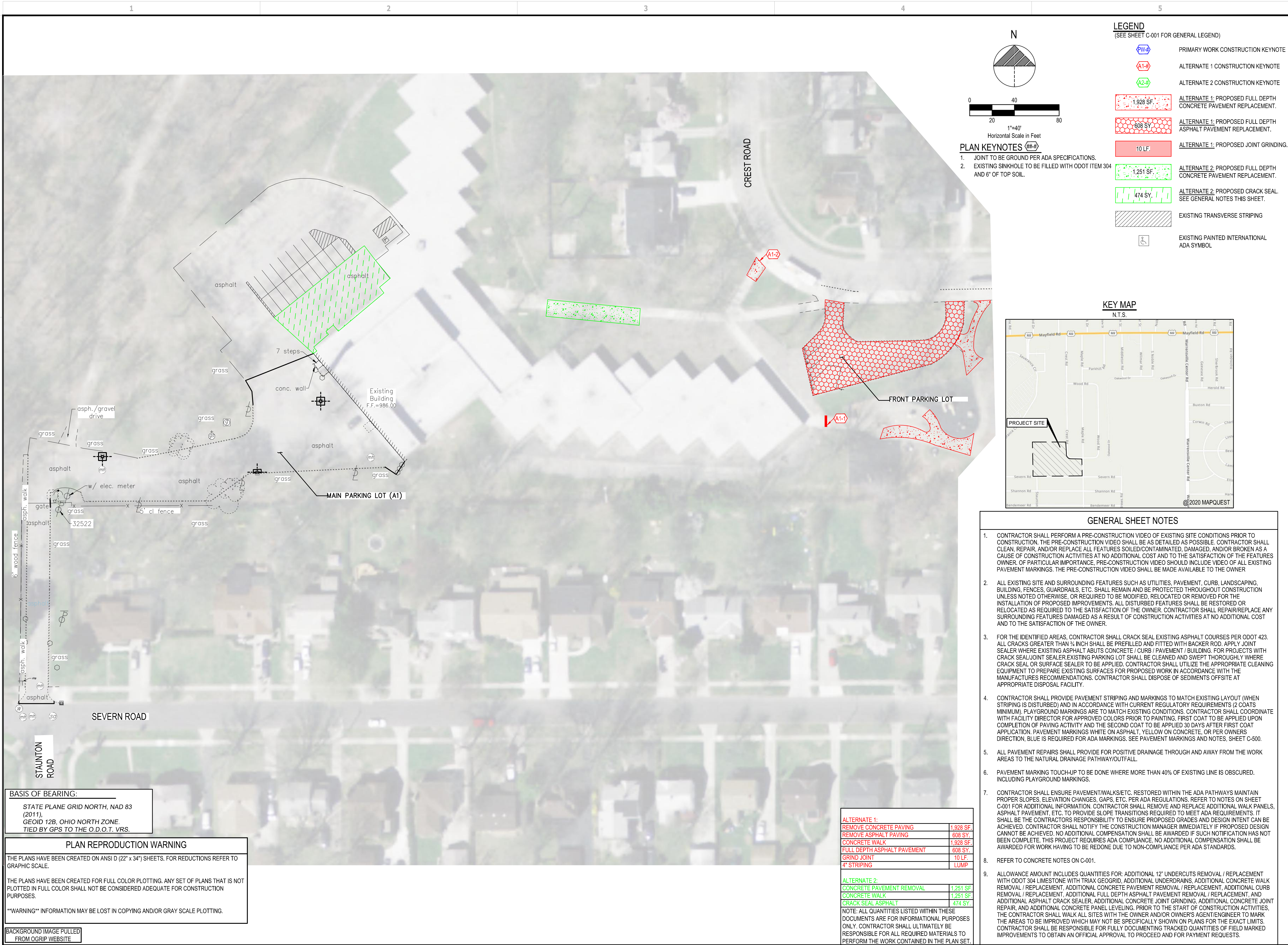
CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS
PAVEMENT MAINTENANCE PLANS

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	
KB	PE

JOB NO.
2024086.01

C-116



DESCRIPTION
DATE
REV.



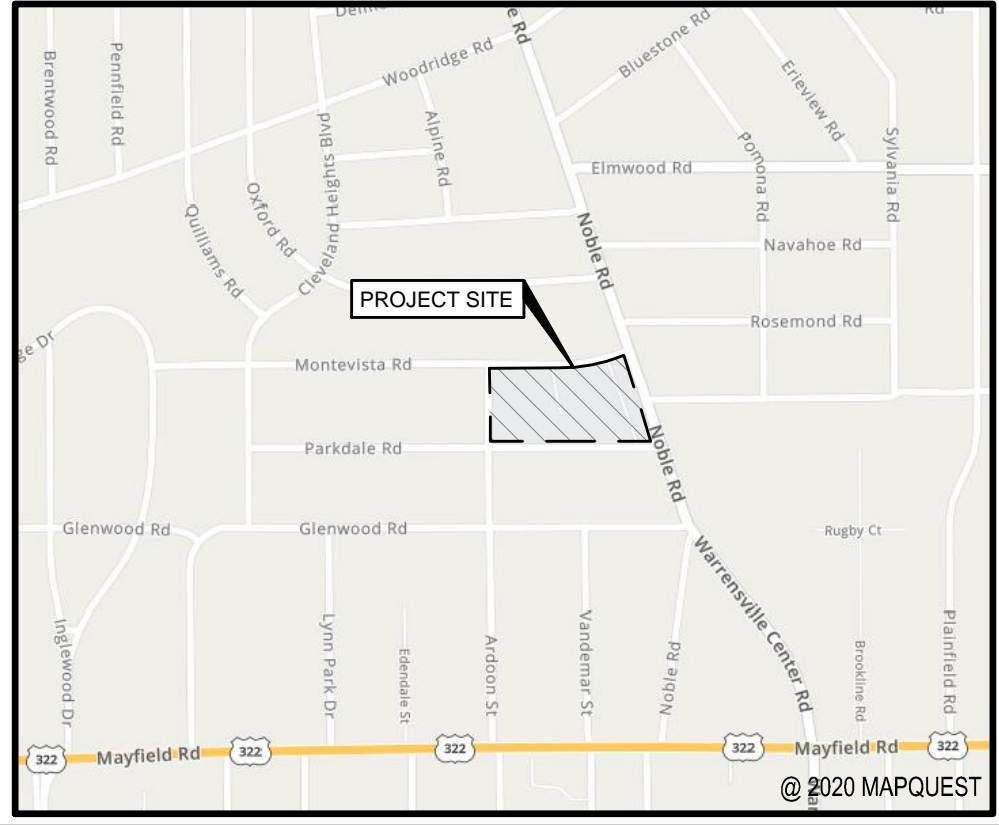
CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS
PAVEMENT MAINTENANCE PLANS

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	
KB	PE

JOB NO.
2024086.01

C-117



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 SY.
CONCRETE WALK	197 SF.
FULL DEPTH ASPHALT PAVEMENT	2,147 SY.
MILL AND FILL ASPHALT PAVEMENT	3,817 SY.
4" STRIPING	LUMP
TRANSVERSE STRIPING	600 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.

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.**

FROM OGRIP WEBSITE

1. 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 RESULT OF PARTIAL OR FULL CONSTRUCTION. THE PRE-CONSTRUCTION VIDEO SHALL BE MADE AVAILABLE TO THE OWNER.
2. 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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REV.	DATE	DESCRIPTION

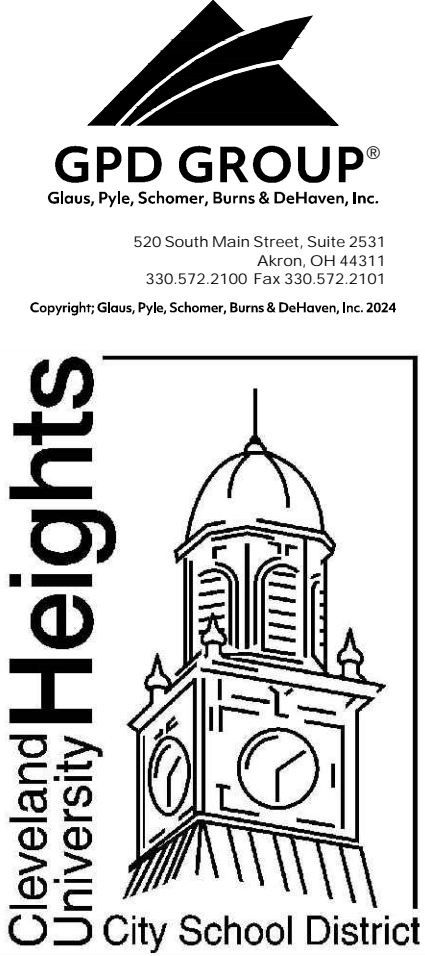


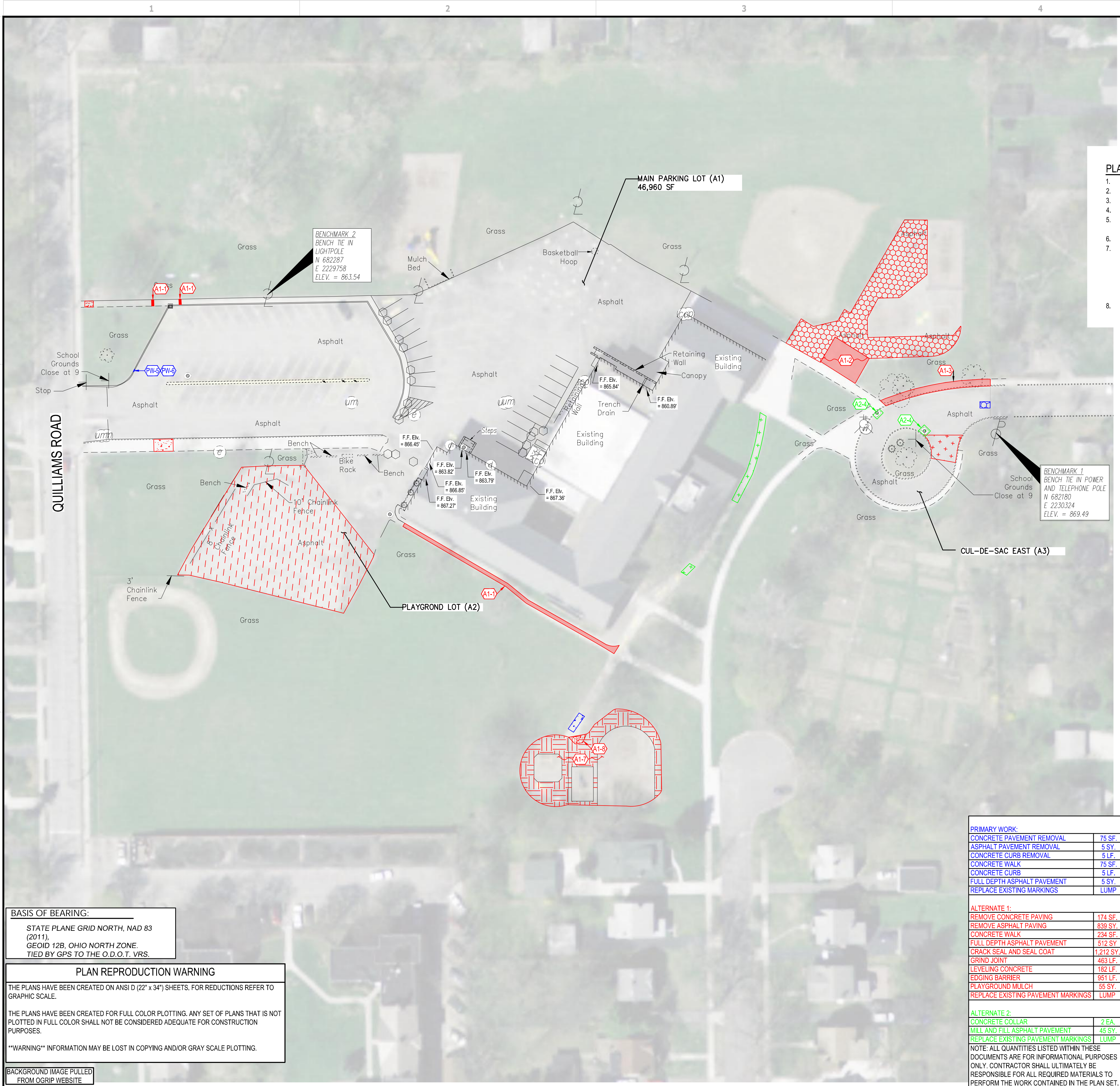
CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS
PAVEMENT MAINTENANCE PLANS

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

PROJECT MANAGER	DESIGNER
KB	PE

C-118





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.



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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 SQ. FT.
GRIND JOINT	463 LF.
LEVELING CONCRETE	182 LF.
EDGING BARRIER	951 LF.
PLAYGROUND MULCH	55 SY.
REPLACE EXISTING PAVEMENT MARKINGS	LUMP
ALTERNATE 2:	
CONCRETE COLLAR	2 EA.
MILL AND FILL ASPHALT PAVEMENT	45 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

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***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

DESCRIPTION
DATE
REV.

STATE OF OHIO

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

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

**OXFORD ELEMENTARY SCHOOL
PAVEMENT MAINTENANCE PLAN**

939 QUILLIAMS RD. #1946, CLEVELAND HTS.

ISSUED FOR:

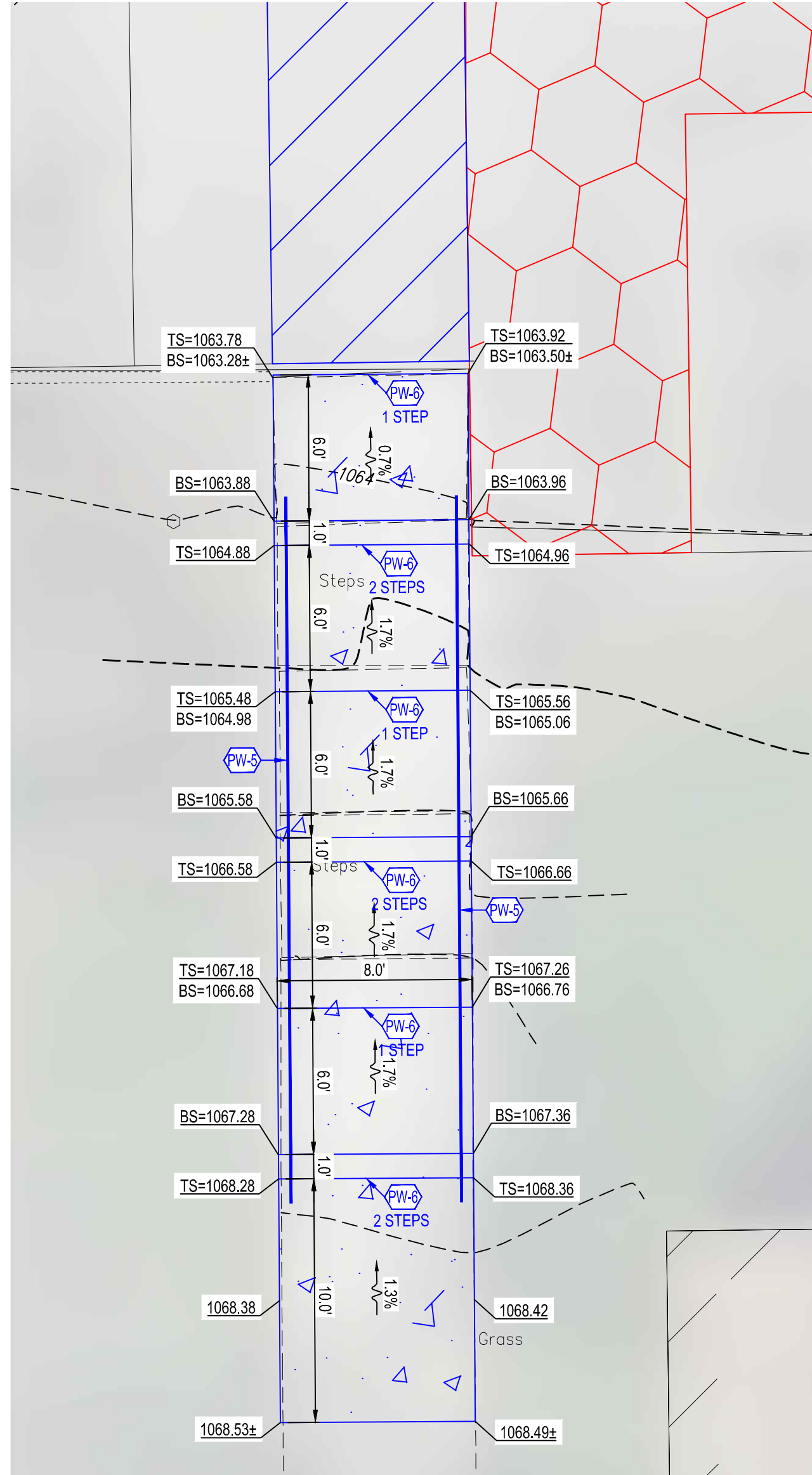
PERMIT	XX/XX/XX
BID	XX/XX/XX
CONSTRUCTION	XX/XX/XX
RECORD	XX/XX/XX

PROJECT MANAGER	DESIGNER
KB	PE

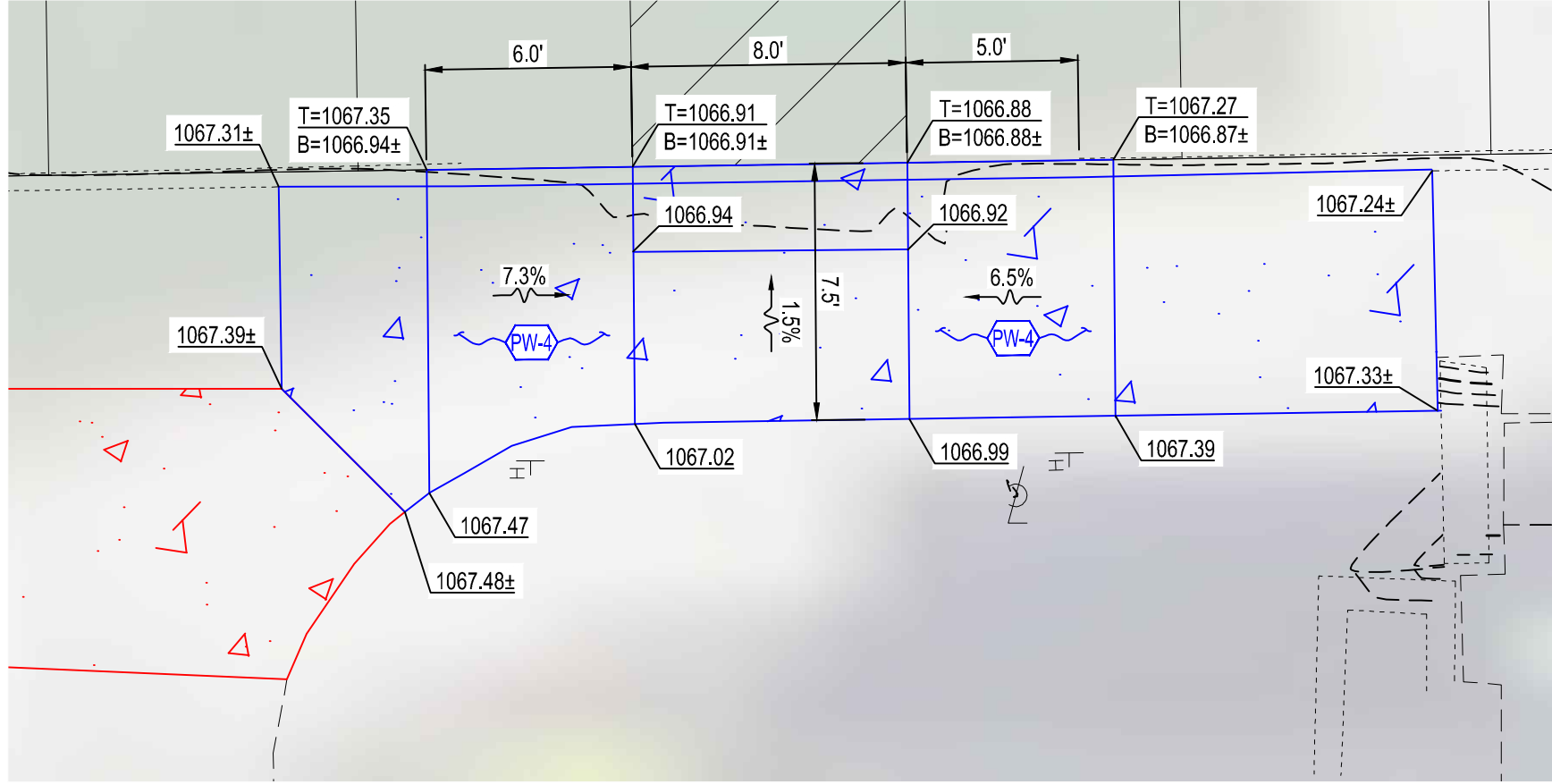
JOB NO.
2024086.01

C-119

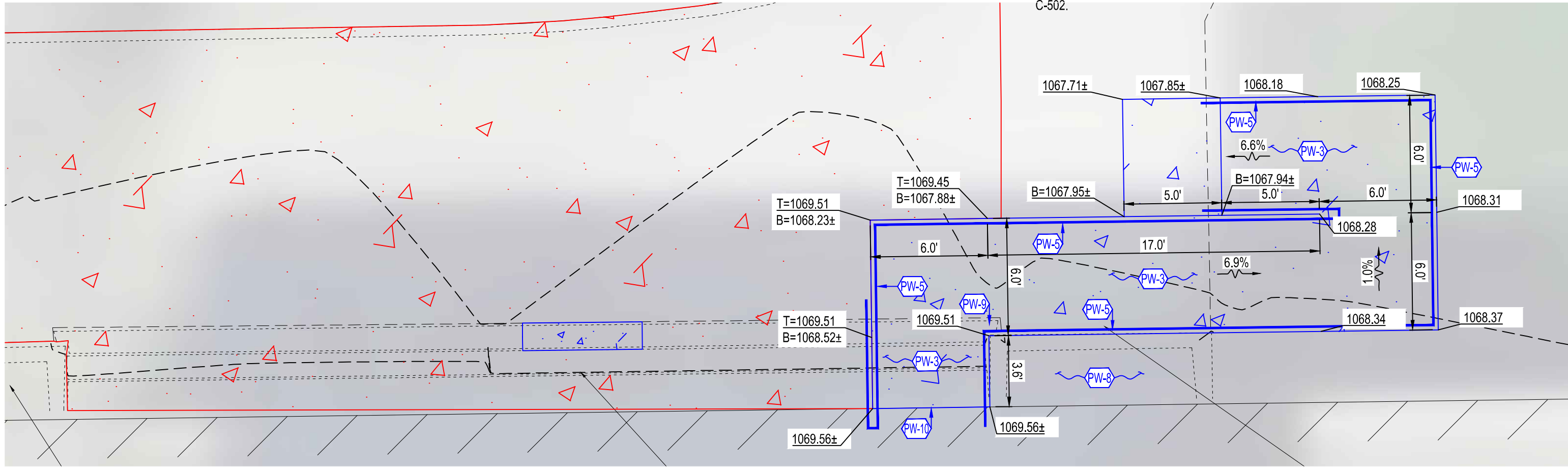
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September 20, 2024 8:36 AM - PEYerman



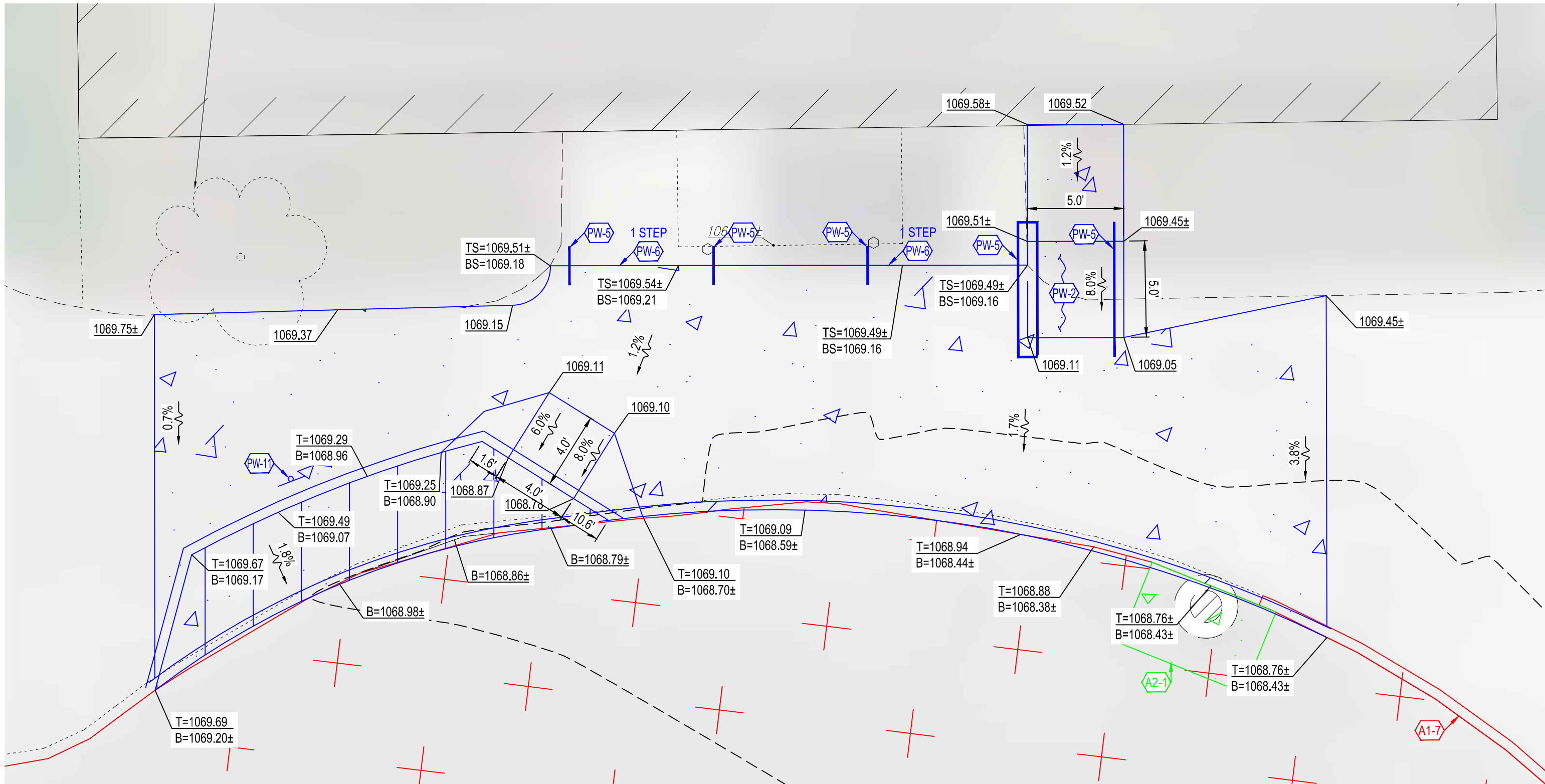
ENLARGEMENT 1



ENLARGEMENT 2



ENLARGEMENT 3



ENLARGEMENT 4

PLAN KEYNOTES (###)

- PROPOSED CONCRETE COLLAR. SEE SHEET C-500.
- PROPOSED ADA ACCESSIBLE RAMP TYPE 1. SEE SHEET C-502.
- PROPOSED ADA ACCESSIBLE RAMP TYPE 2. SEE SHEET C-502.
- PROPOSED CURB RAMP. SEE SHEET C-502.
- PROPOSED HANDRAIL. SEE SHEET C-502.
- PROPOSED STEPS WITH HANDRAILS. SEE SHEET C-502. SEE PLAN VIEW FOR STEP COUNT.
- REPLACE WITH DEPRESSED CURB. SEE SHEET C-500.
- EXISTING PLANTER TO REMAIN.
- EXISTING HANDRAIL TO BE REMOVED.
- 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.
- 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.

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.

DESCRIPTION

DATE

REV.

CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS
PAVEMENT MAINTENANCE PLANS

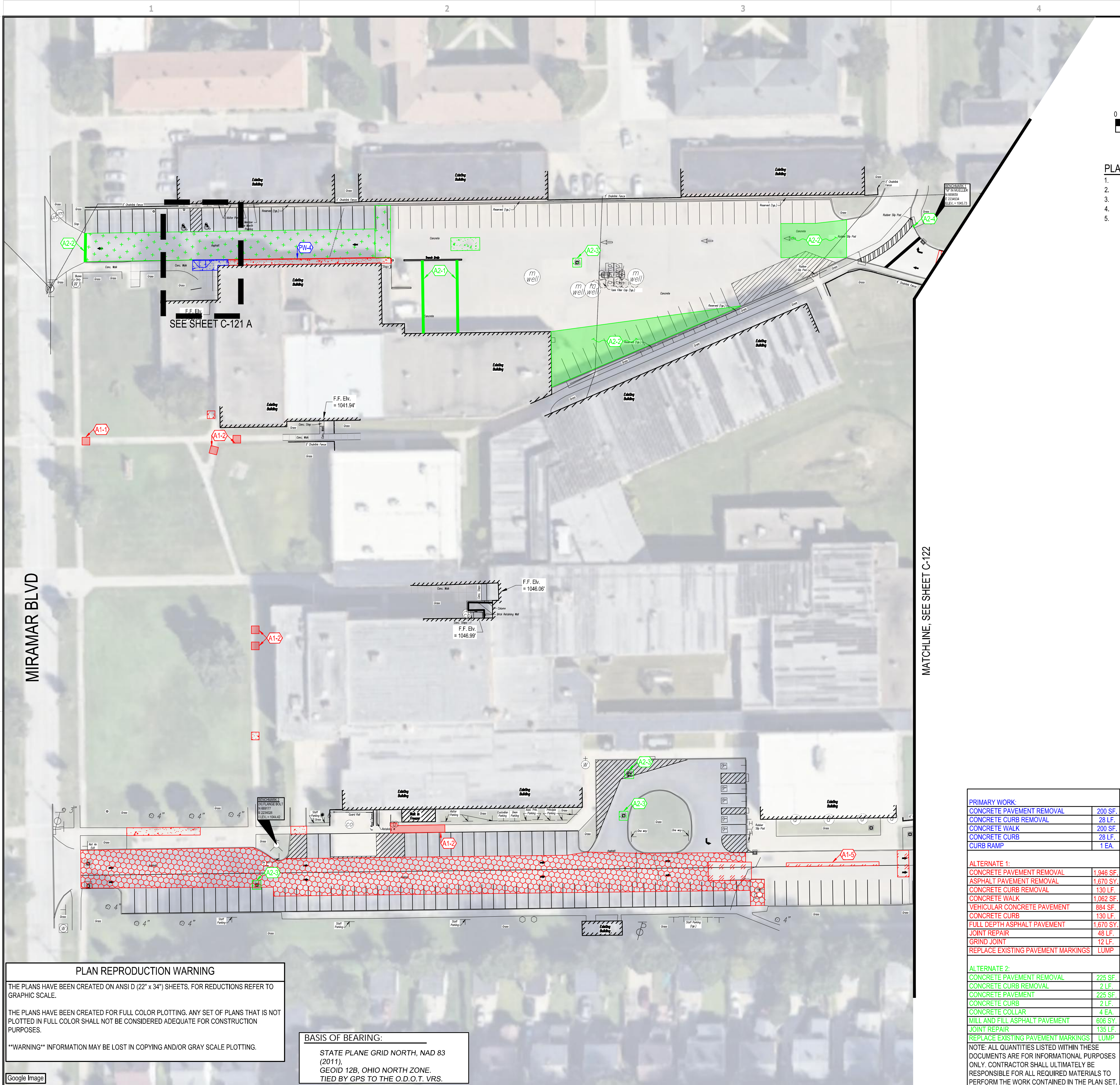
GEARITY ELEMENTARY SCHOOL
PAVEMENT GRADING ENLARGEMENT
2323 WRENFORD RD, UNIVERSITY HTS.

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)

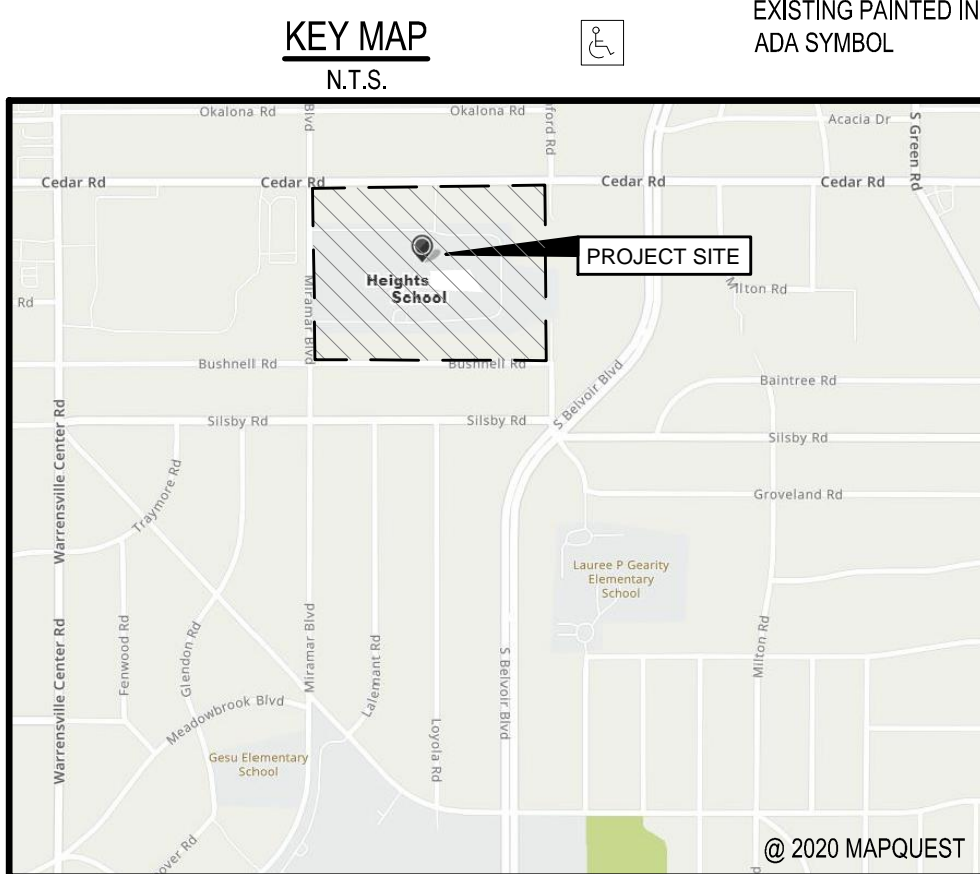
PLAN KEYNOTES (SEE SHEET C-001 FOR GENERAL LEGEND)

1. JOINT TO BE GROUND. PER ADA SPECIFICATIONS.
2. FULL DEPTH JOINT REPAIR. SEE SHEET C-501.
3. PROPOSED CONCRETE COLLAR. SEE SHEET C-500.
4. REPLACE CURB.
5. 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



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 1/8 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 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, 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 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 OR THE EXACT LIMITS. CONTRACTOR SHALL BE RESPONSIBLE FOR FULLY DETERMINING 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

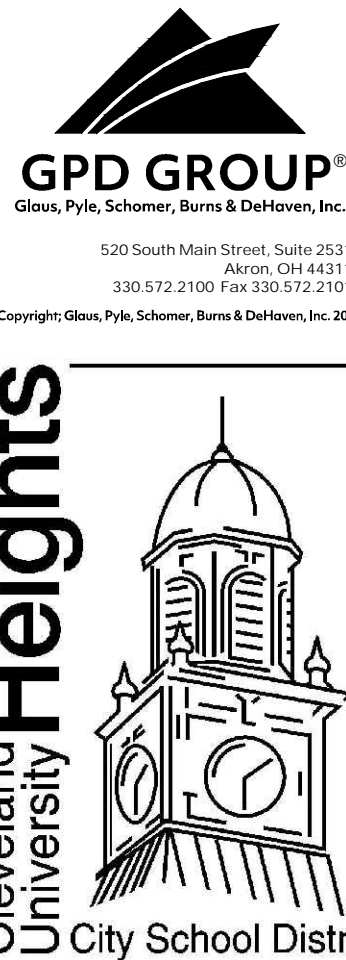
THE PLANS HAVE BEEN CREATED ON ANSI D (22" x 34") SHEETS. FOR REDUCTIONS REFER TO GRAPHIC SCALE.

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.



DESCRIPTION	DATE	REV.



CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS
PAVEMENT MAINTENANCE PLANS

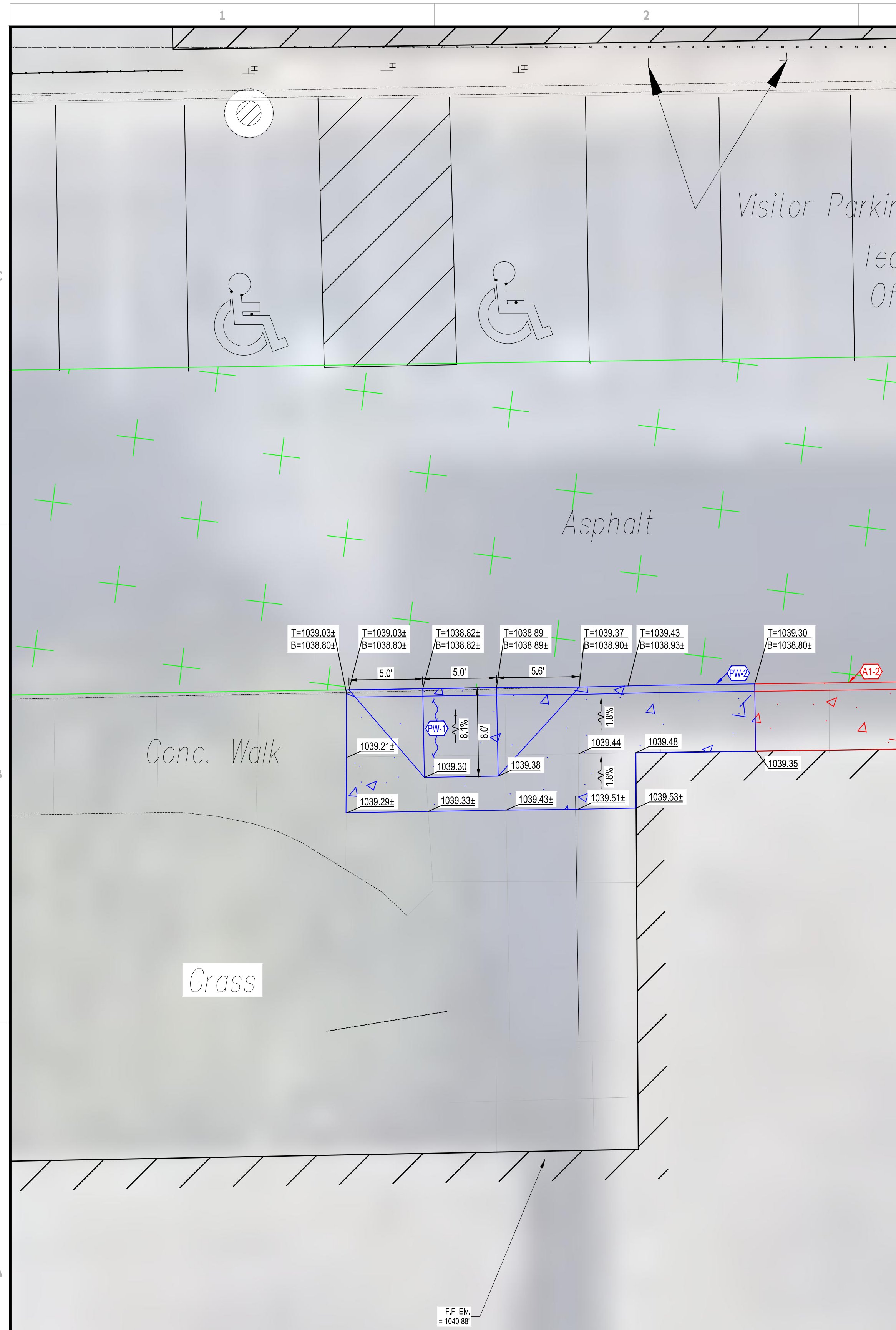
HEIGHTS MIDDLE SCHOOL
MAINTENANCE PLAN
2181 MIRAMAR BLVD., UNIVERSITY HTS.

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-121



PLAN REPRODUCTION WARNING

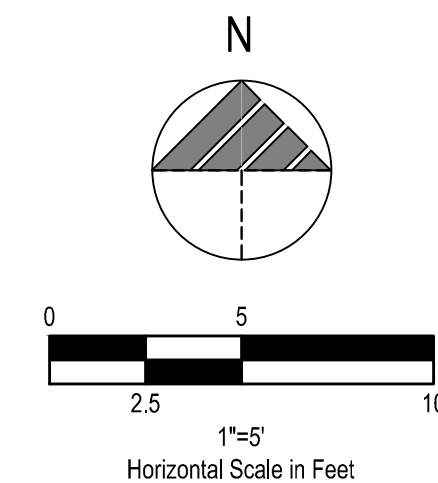
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BASIS OF BEARING:

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



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

1	
---	--

ALTERNATE 2: PROPOSED MILL AND FILL.

PLAN KEYNOTES 

1. PROPOSED ADA CURB RAMP. SEE SHEET C-502.]
2. REPLACE CURB.

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

REV.	DATE	DESCRIPTION



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

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CADD\Sheets\12-C-121&122 - Heights Middle.dwg
September 20, 2024 8:37 AM - PEyerman

A

B

C

MATCHLINE: SEE SHEET C-121

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

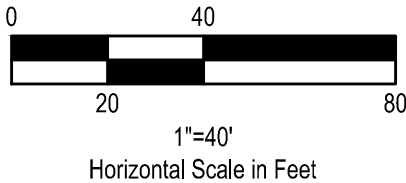
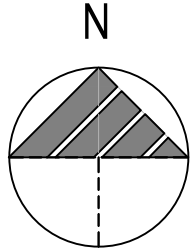
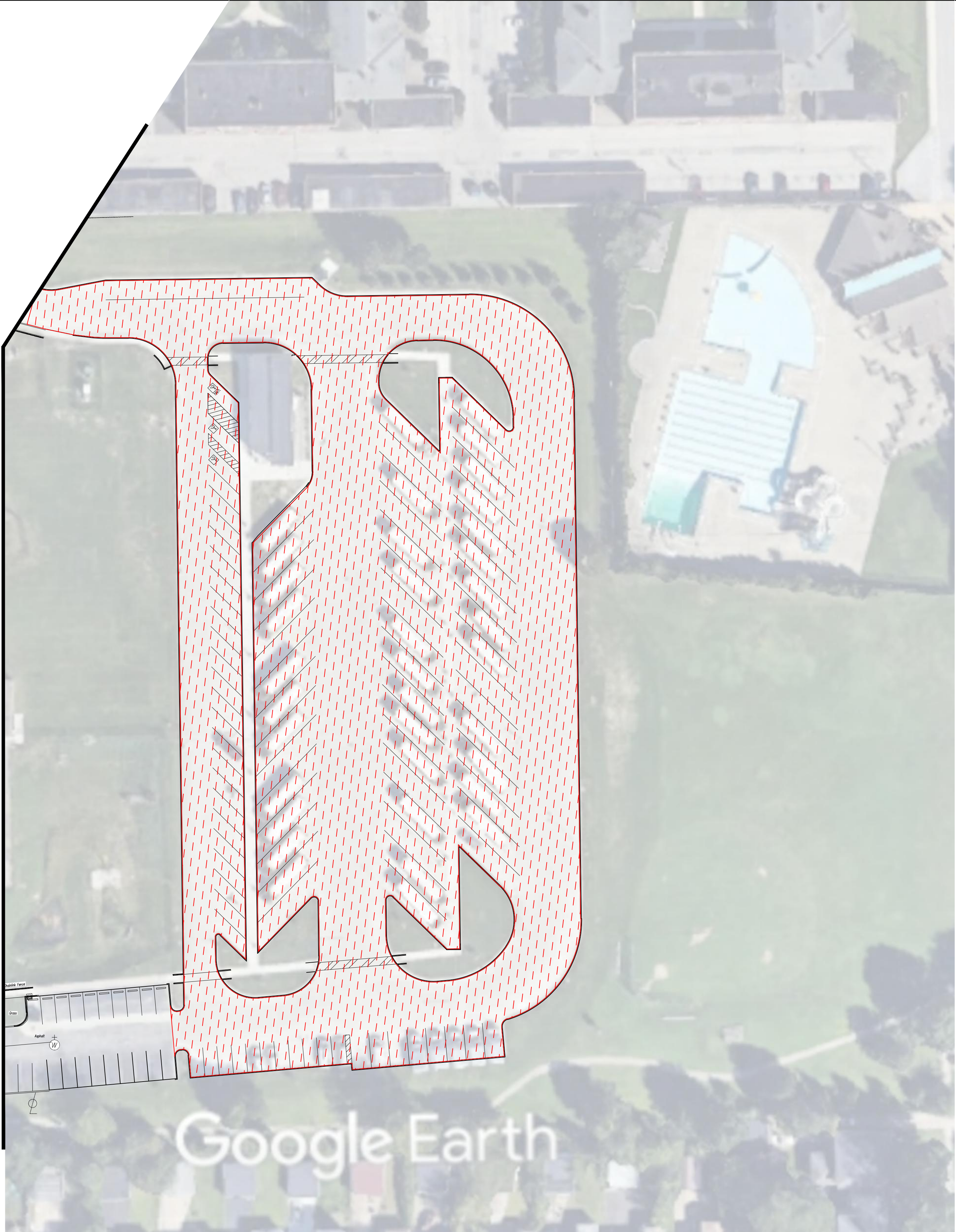
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***WARNING** INFORMATION MAY BE LOST IN COPYING AND/OR GRAY SCALE PLOTTING.

Google Image

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.



LEGEND

(SEE SHEET C-001 FOR GENERAL LEGEND)



ALTERNATE 1: PROPOSED JOINT SEAL REPAIR AND CONCRETE SEALER. SEE GENERAL NOTES THIS SHEET AND C-001.



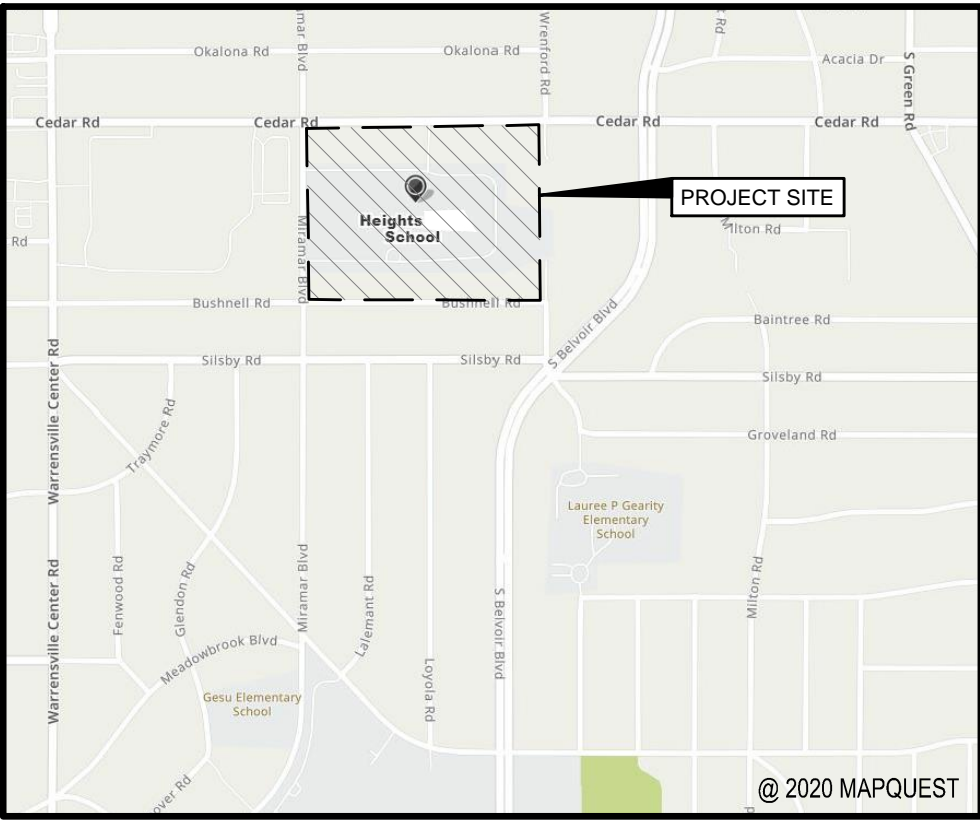
EXISTING TRANSVERSE STRIPING



EXISTING PAINTED INTERNATIONAL ADA SYMBOL

KEY MAP

N.T.S.



GENERAL SHEET NOTES

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- FOR THE IDENTIFIED AREAS, CONTRACTOR SHALL CRACK SEAL EXISTING ASPHALT COURSES PER ODOT 423. ALL CRACKS GREATER THAN ¼ 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.
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- PAVEMENT MARKING TOUCH-UP TO BE DONE WHERE MORE THAN 40% OF EXISTING LINE IS OBSCURED. INCLUDING PLAYGROUND MARKINGS.
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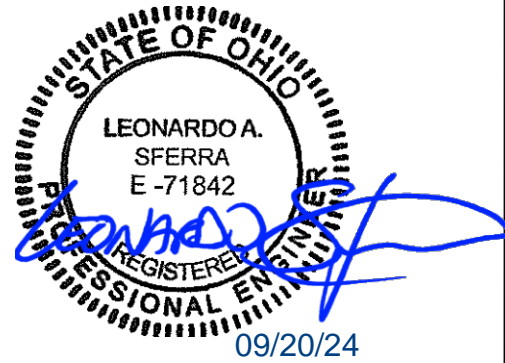
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DESCRIPTION

DATE

REV.



CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS
PAVEMENT MAINTENANCE PLANS

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

ISSUED FOR:

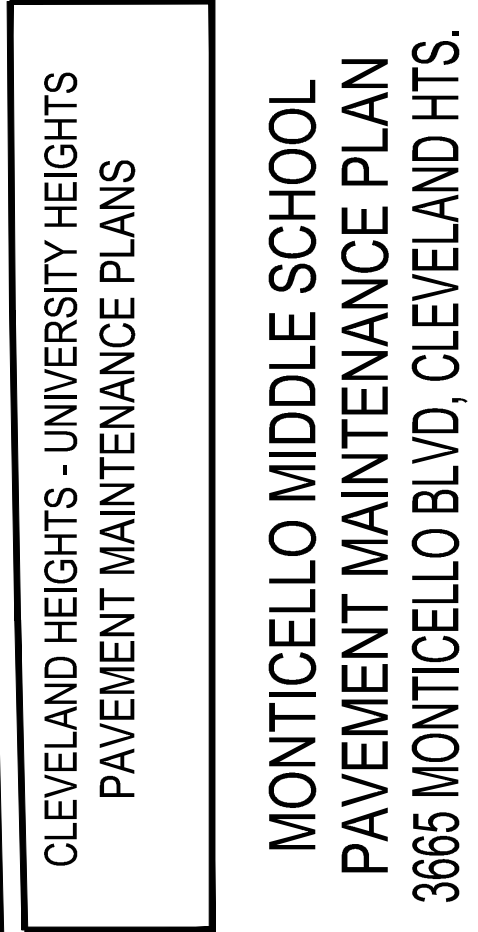
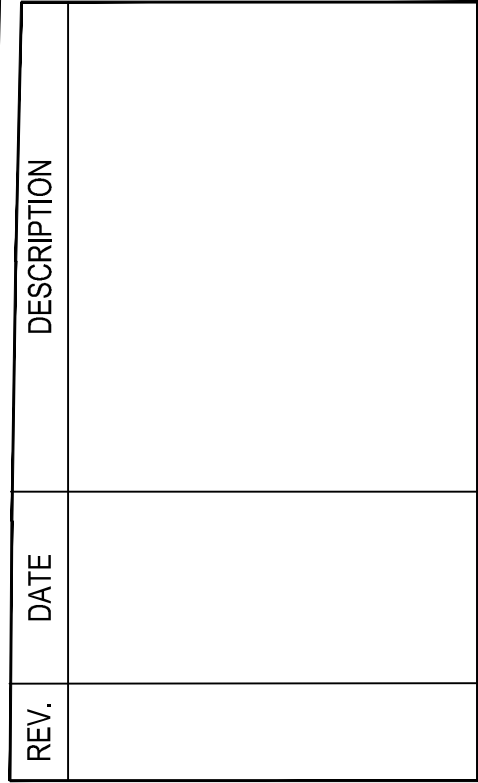
PERMIT	XX/XX/XX
BID	XX/XX/XX
CONSTRUCTION	XX/XX/XX
RECORD	XX/XX/XX

PROJECT MANAGER	DESIGNER
KB	PE

JOB NO.

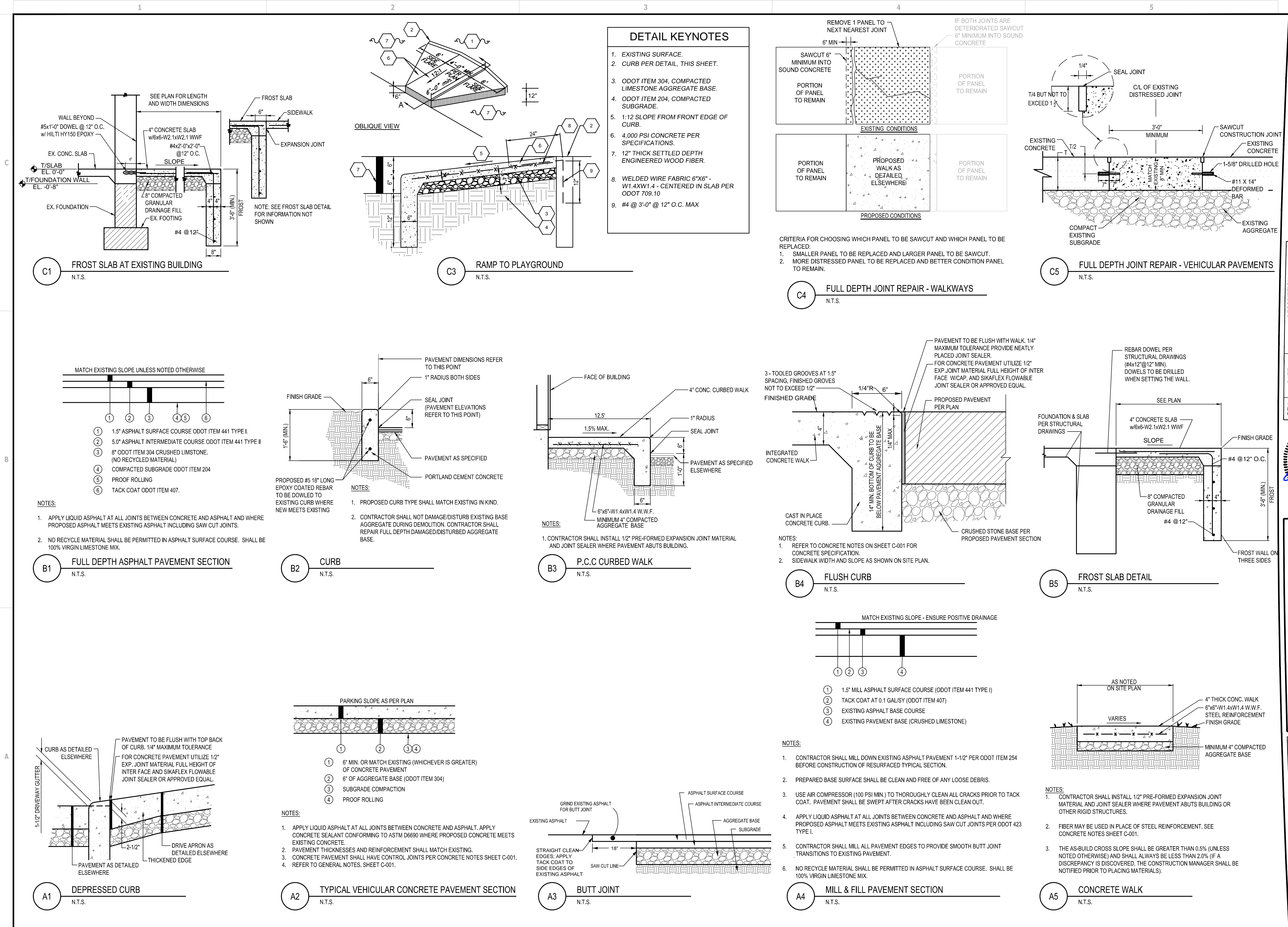
2024086.01


C-122




JOB NO.
2024086.01

C-123






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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

DESCRIPTION	DATE	REV.



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

CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS
PAVEMENT MAINTENANCE PLANS

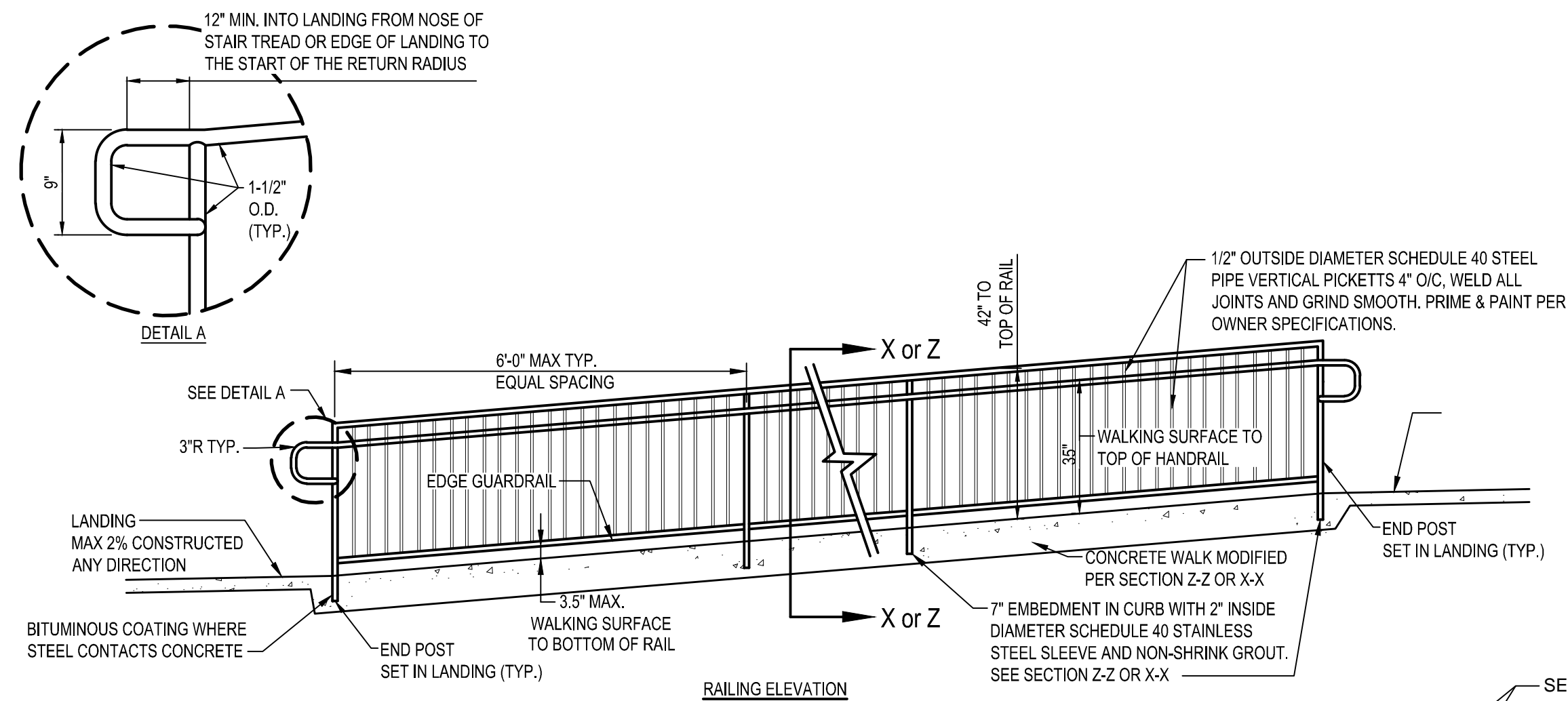
ISSUED FOR:

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

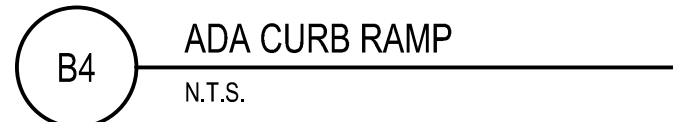
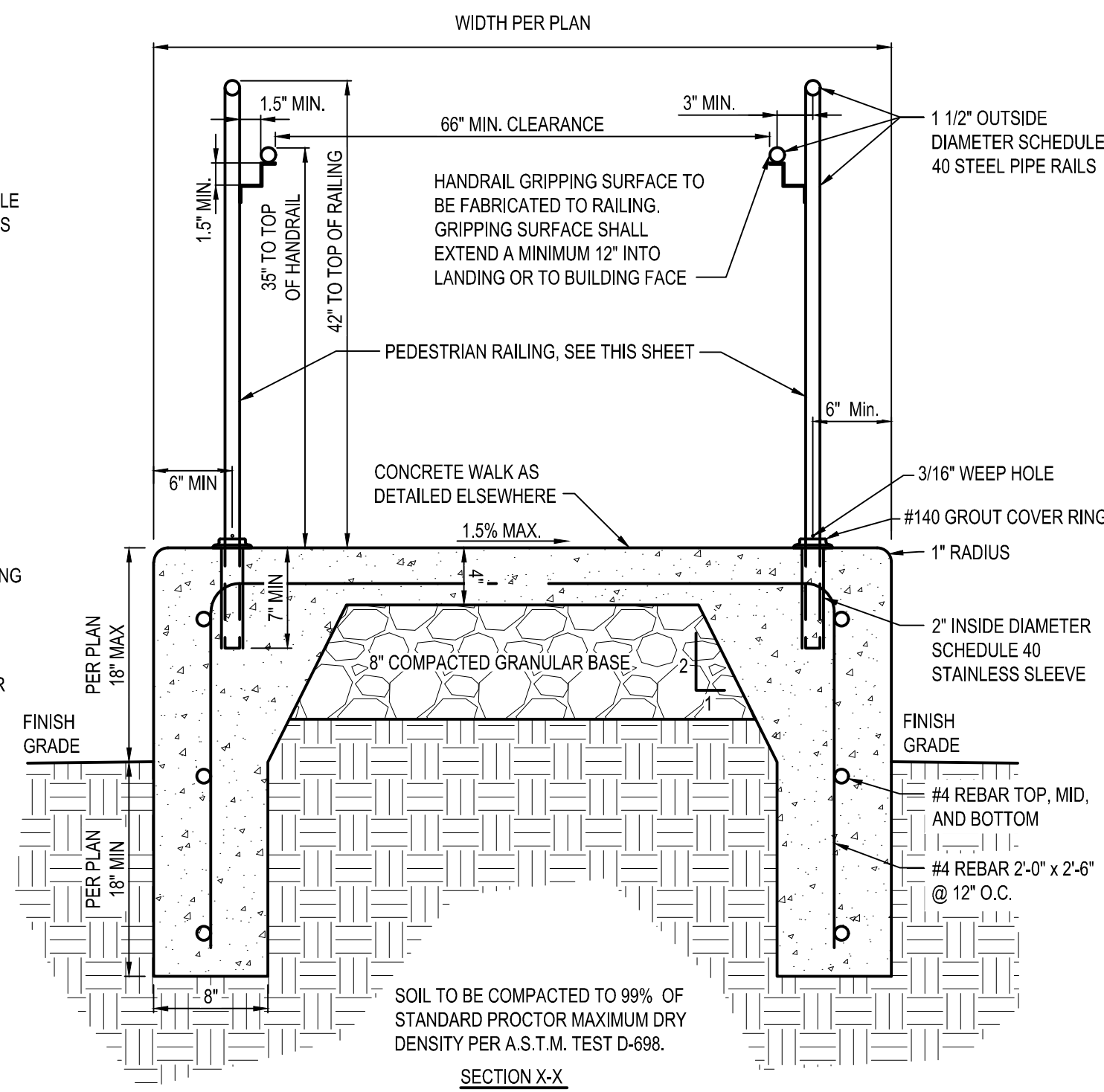
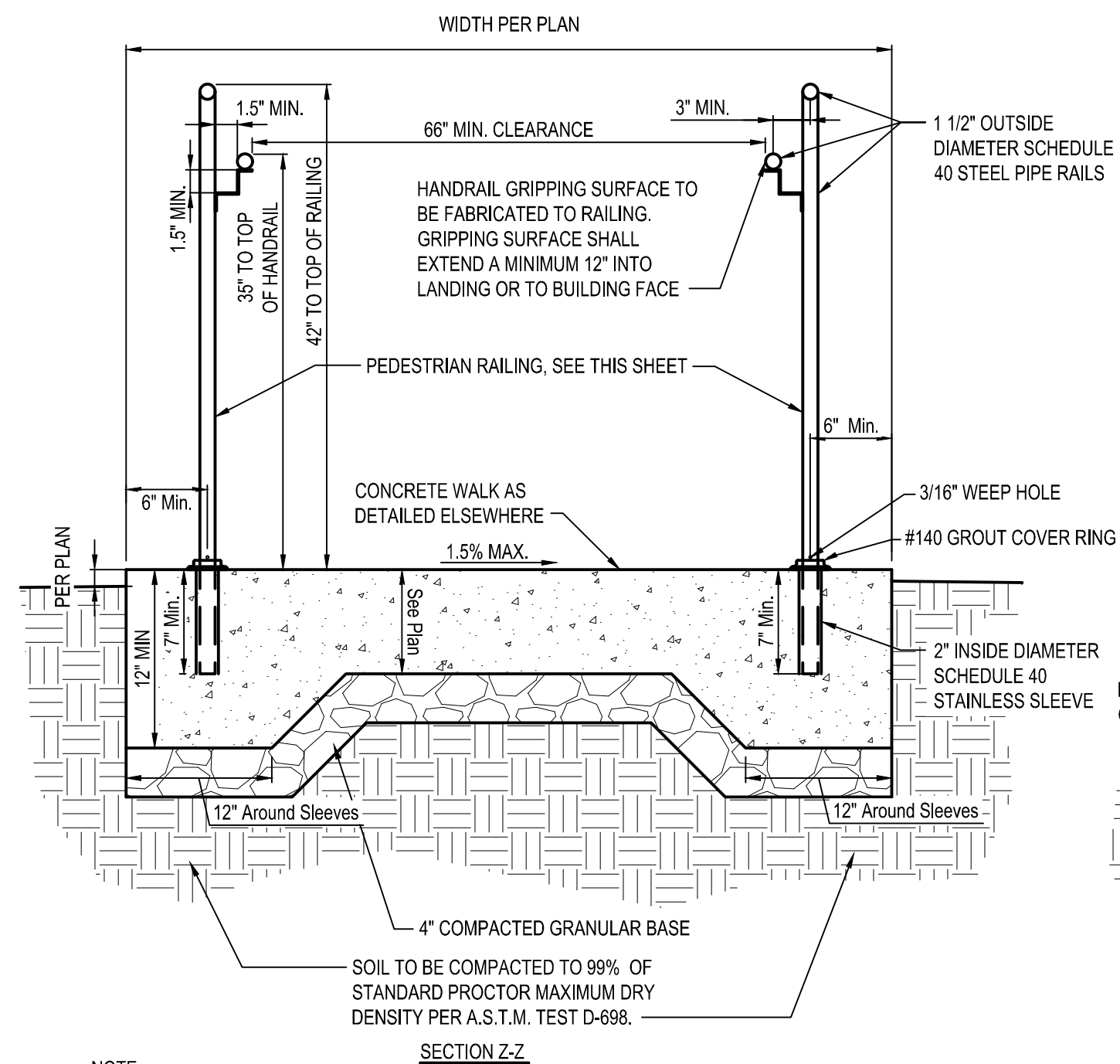
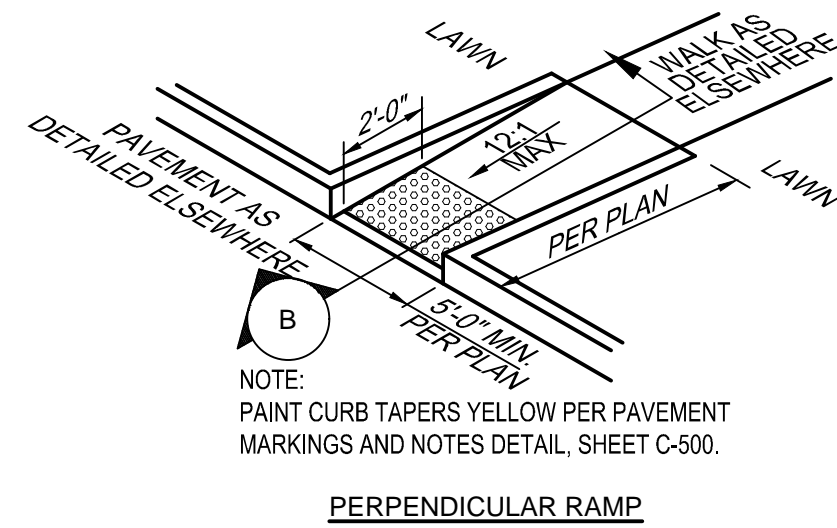
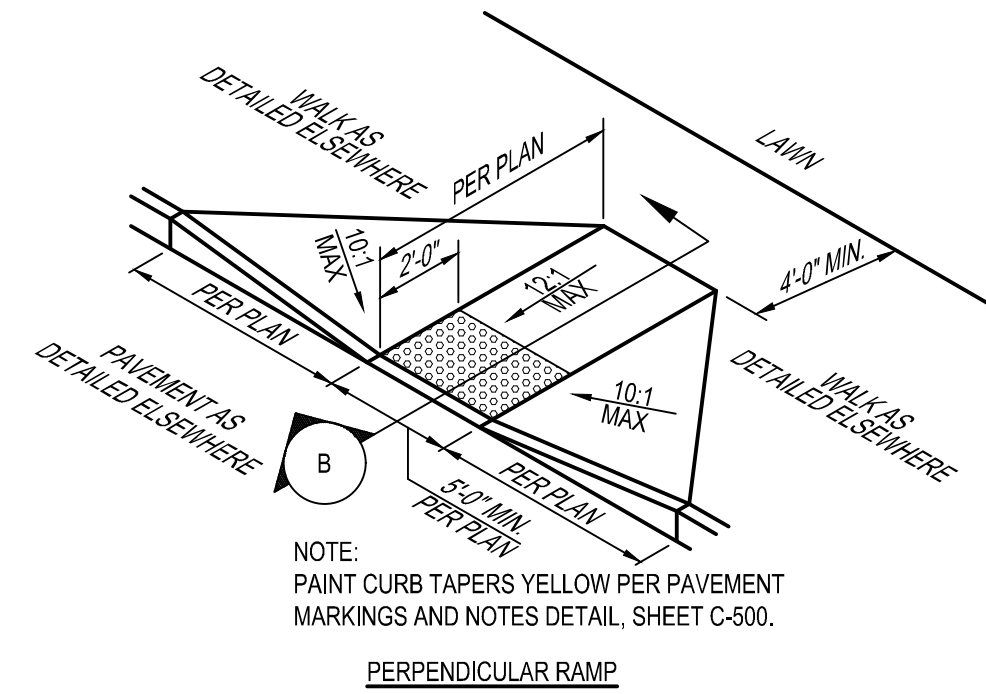
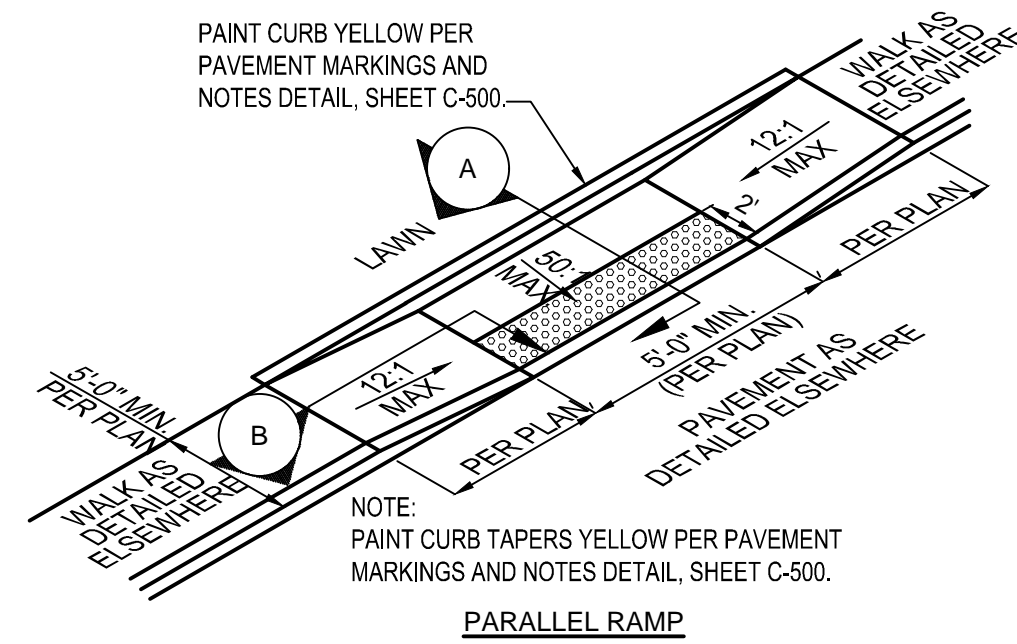
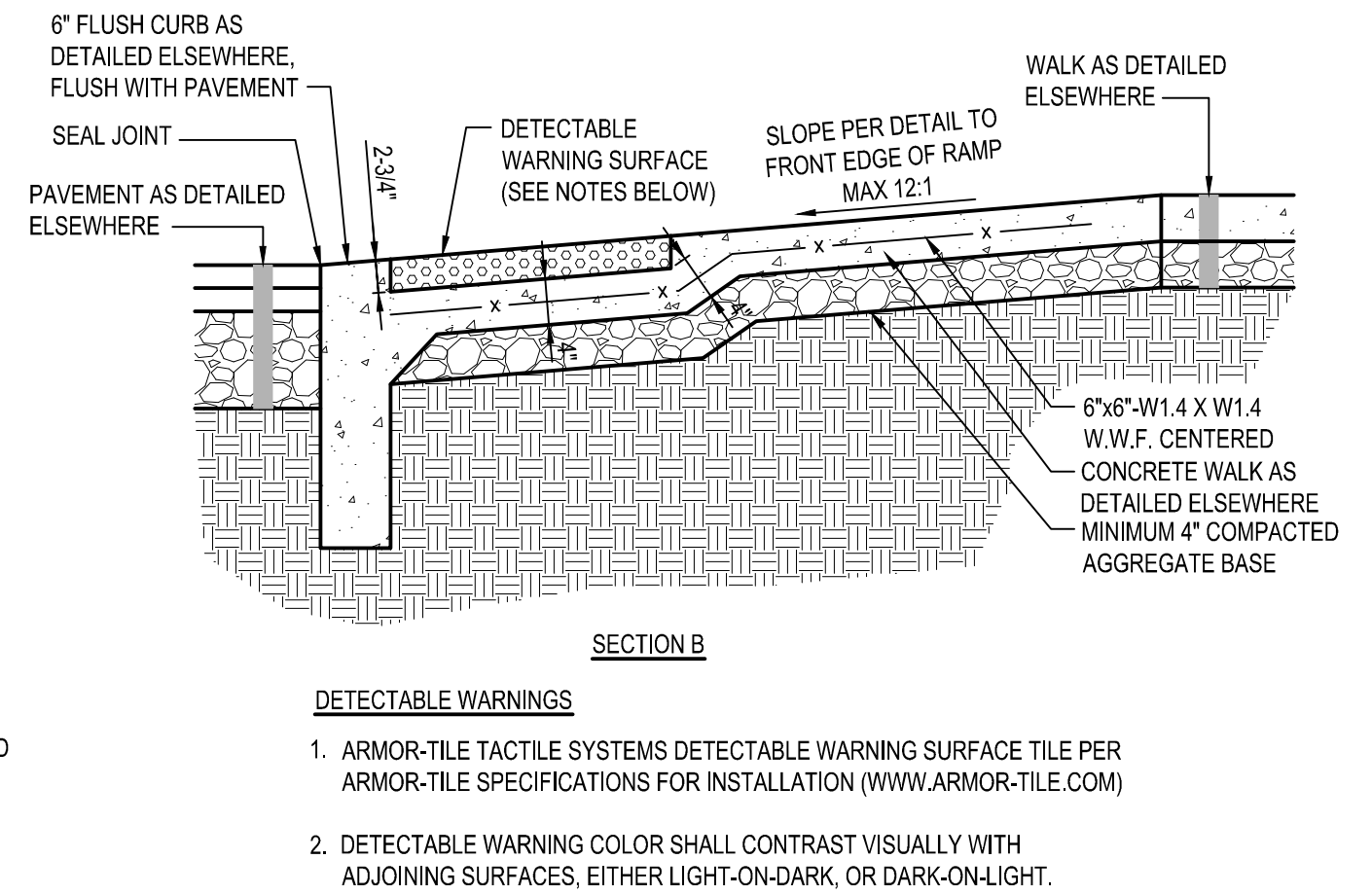
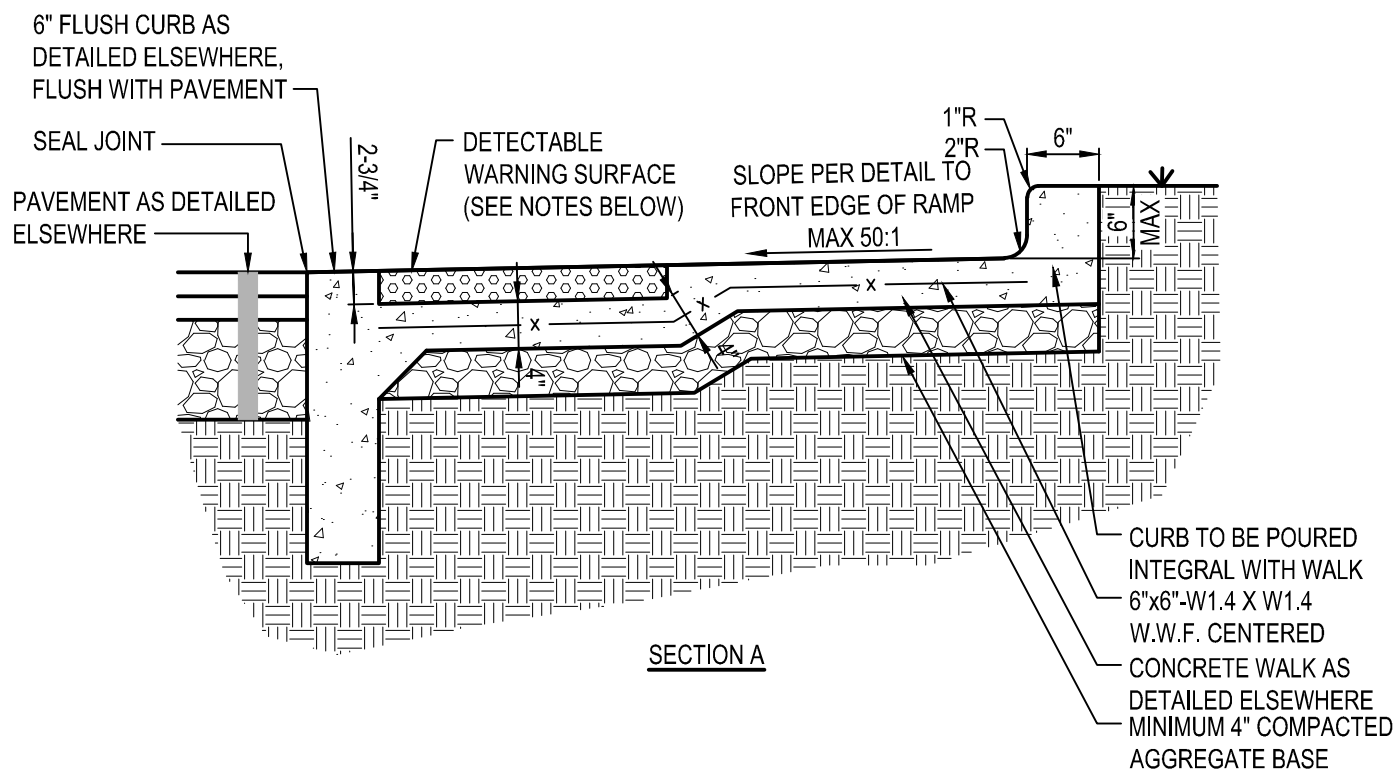
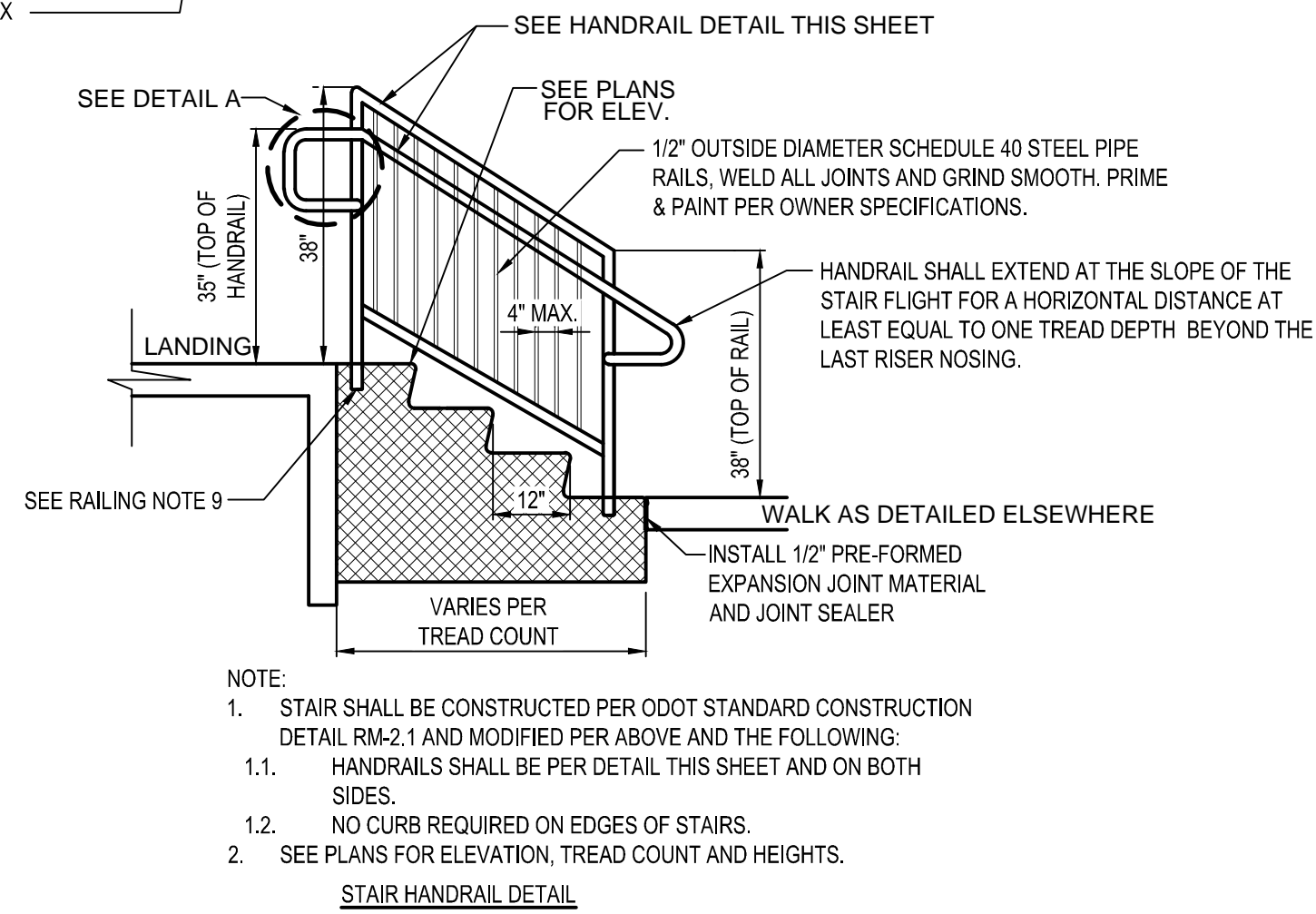
PROJECT MANAGER	DESIGNER
KB	RD

JOB NO.
2024086.01

C-501



- ### RAILING NOTES

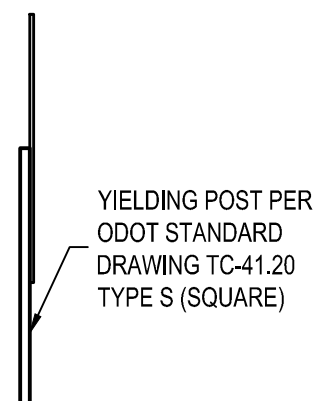


1.5" Radius, 0.4" Border, 0.4" Indent, White on Blue;
 ada; [ACCESSIBLE] C 2K;
 [PASSENGER] C 2K 50} spacing;
 [LOADING] C 2K 50} spacing;
 [ZONE] C 2K 50} spacing; NOTE

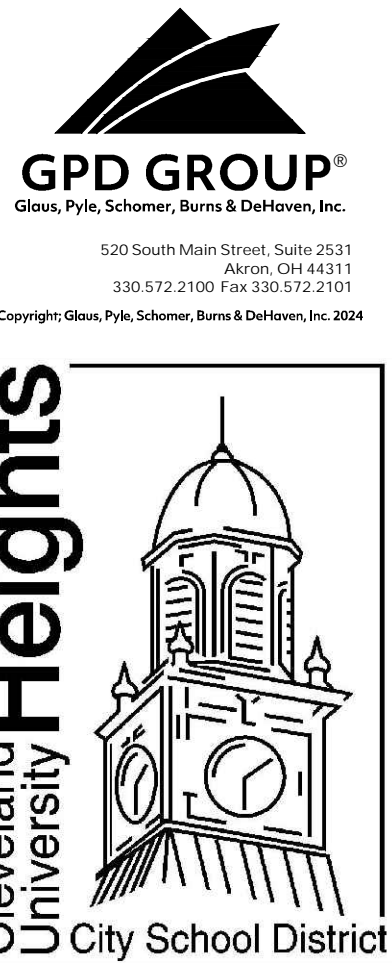
NOTE

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

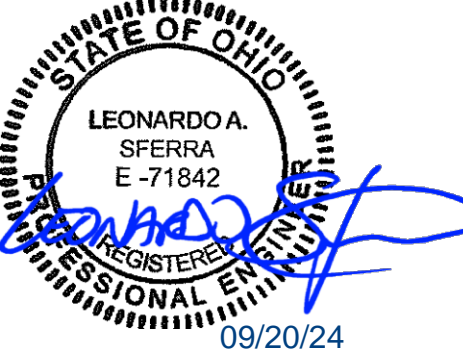
POSTS SHALL BE DRIVEN TO A
MINIMUM OF 42" INCH DEPTH.



A5	ACCESSIBLE PASSENGER LOADING ZONE SIGN
	N.T.S.



REV.	DATE	DESCRIPTION



CLEVELAND HEIGHTS - UNIVERSITY HEIGHTS PAVEMENT MAINTENANCE PLANS

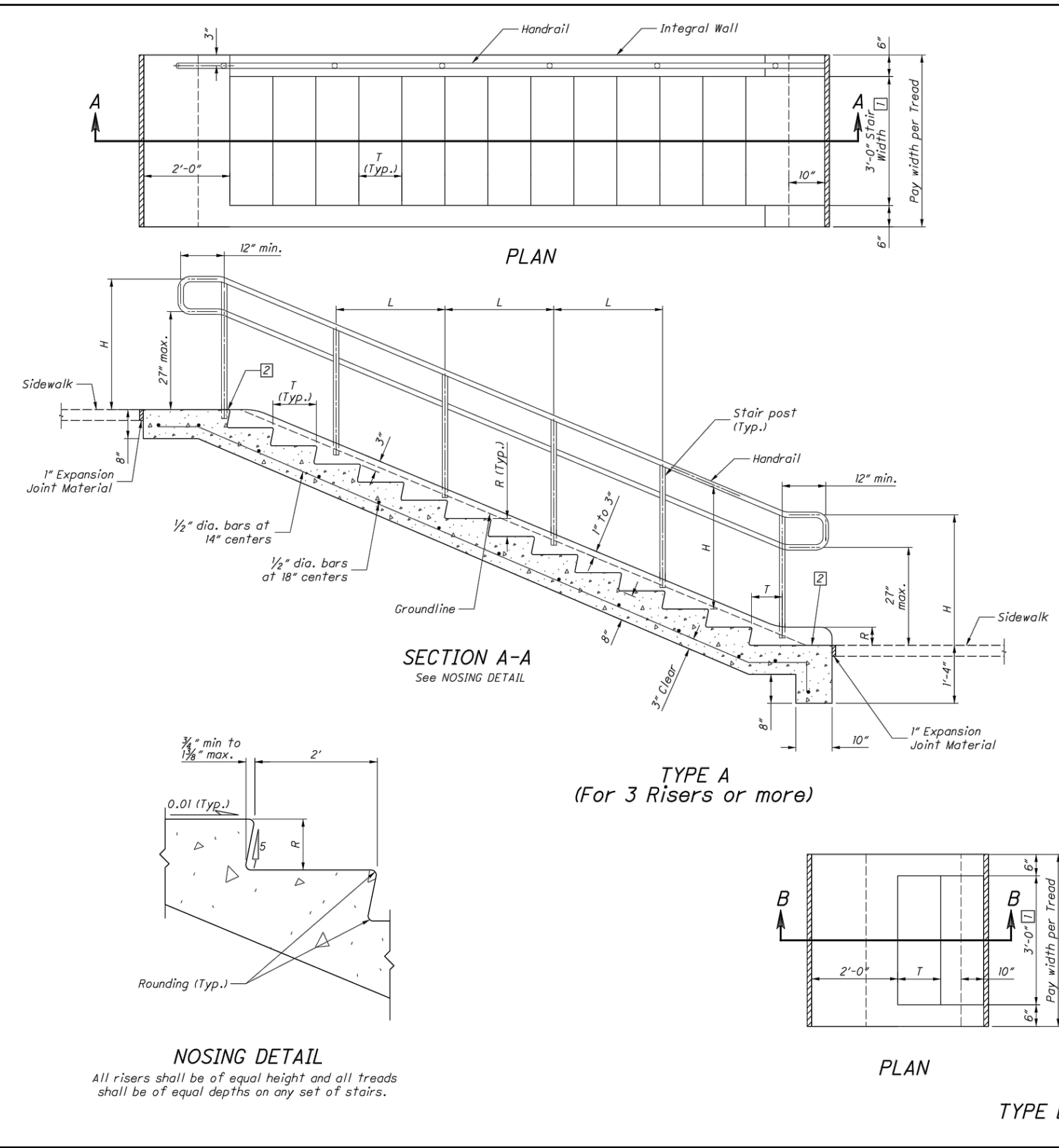
ISSUED FOR:	
PERMIT	XX/XX/XX
BID	XX/XX/XX
CONSTRUCTION	XX/XX/XX
RECORD	XX/XX/XX

PROJECT MANAGER	DESIGNER
KB	RD

JOB NO.
2024086.01

C-502

Drawing Name: O:\2024\2024086 CH-UH CSD\01 Sidewalks And Pymt Program\4_ Working Files\00_ Software Version Year)
CADD\Sheets\14-C-500\8501_Details.dwg
September 20, 2024 8:38 AM - PEYerman



NOTES

GENERAL: Locate the top of the integral wall 1" to 3" above ground line.

TYPE A: Fabricate hand railing and stair posts from nominal size 1 1/2" diameter 0.145" wall thickness steel pipe meeting the requirements of the Specification for Welded and Seamless Steel Pipe ASTM A 53 Standard Weight. Schedule Number 40, or aluminum pipe meeting the requirements of the Specification for Aluminum-Alloy Pipe ASTM B 241, 6063 T6 ASA, Schedule Number 40.

Galvanize steel handrails and stair posts after fabrication, as specified in ASTM A 123. Field weld splices for steel railing. Re-galvanize areas on which the spelter coating has been damaged, as specified in AASHTO M 36, Section 24. Metalizing process or repair under the direction of the Engineer with stick-form galvanizing repair compound meeting Federal Specification O-G-93.

Install a single handrail to the right side of the stairs, facing up, unless otherwise shown on the plans.

For stair widths greater than 43", a handrail is required on both sides of the stairs. Install hand railings on both sides of stairs that are less than 43" wide, when required by the plans.

Provide splices for aluminum railing with internal sleeves, and after welding, be smooth and water tight.

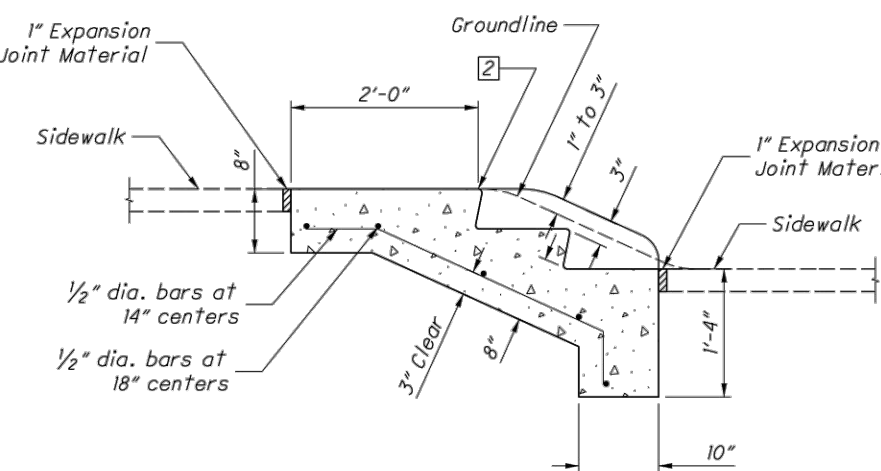
Cast-in-place or set stair posts in sockets filled with 1:3 proportioned cement mortar. Provide a heavy coating of asphalt varnish or coal-tar pitch point (both inside and outside) to the portion of aluminum stair posts set into concrete or mortar.

Embed the stair posts a minimum depth 4".

Install stair posts and handrails free of burrs, or sharp projections.

LEGEND

- H ~ 34" min., 38" max.
R ~ 4" min., 7" max.
T ~ 11" min., 15" max.
L ~ Equal interior panel lengths equal. The upper and lower panel lengths may vary. Panel lengths are not to exceed 3'-0".
- 1 Unless shown otherwise on the plans.
2 Measurable Tread per CMS 608.08



SD NUMBER	RM-2.1	CONCRETE STEPS	OFFICE OF ROADWAY ENGINEERING	DESIGNED BY	M. Ruppe	REVISION DATE	7-19-2013
THIS DRAWING REPLACES RM-2.1M DATED 4-18-03.				STATE OF OHIO DEPARTMENT OF TRANSPORTATION			Michael Blaine

FOR
REFERENCE
ONLY

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

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C-503

