

# West Carrollton City Schools

# NEW 7-12 BUILDING

5833 STUDENT STREET DAYTON, OH 45449

ZONING PRE-SUMBITTAL





**LEVIN PORTER** ARCHITECTS 3011 NEWMARK DRIVE MIAMISBURG, OHIO 45342 www.levin-porter.com

Levin Porter Associates Inc. dba Levin Porter Architects

0:937.224.1931

F: 937.224.3091

FOOD SERVICE CONSULTANT

Vorndran & Associates

3125 STERLING RIDGE COVE FORT WAYNE, INDIANA 46825 PH: 260.496.9992 WWW.VONDRANCONSULTING.COM



ACOUSTICAL DESIGN:

7089 CORPORATE WAY DAYTON, OHIO 45459 PH: 937.898.3198 WWW.ACOUSTICALSYSTEMS.COM

INTERIOR DESIGN: FURNITURE, FIXTURES, & EQUIPMENT DESIGN:



3000 E. MAIN STREET SUITE B170 COLUMBUS, OHIO 43209 PH: 614.231.3082 WWW.MARAYE.COM

**CIVIL ENGINEER AND LANDSCAPE:** 



6219 CENTER PARK DRIVE WEST CHESTER, OHIO 45069 PH: 513.779-7851 WWW.KLEINGERS.COM

MECHANICAL ,ELECTRICAL, PLUMBING, FIRE PROTECTION, SECURITY, COMMUNICATION AND TECHNOLOGY ENGINEERING



1400 W Dorothy Lane, Dayton, OH 45409-1310 Ph 937-224-0861 Fax 937-224-5777 www.heapy.com

GEOTECHNICAL ENGINEERING SPECIAL INSPECTIONS **QA TESTING** ENVIRONMENTAL TESTING:



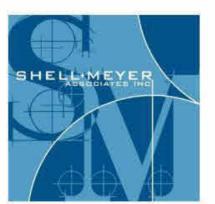
1915 N. 12TH STREET TOLEDO,OHIO 43604 PH: 419.324.2222 WWW.CTCONSULTANTS.COM LEED and ENERGY ANALYSIS:



BC+E Engineering 204 S. LUDLOW ST SUITE 402 DAYTON, OHIO 45402 PH: 937.331.9204 WWW.BCE-ENGINEERING.COM



STRUCTURAL ENGINEERING:

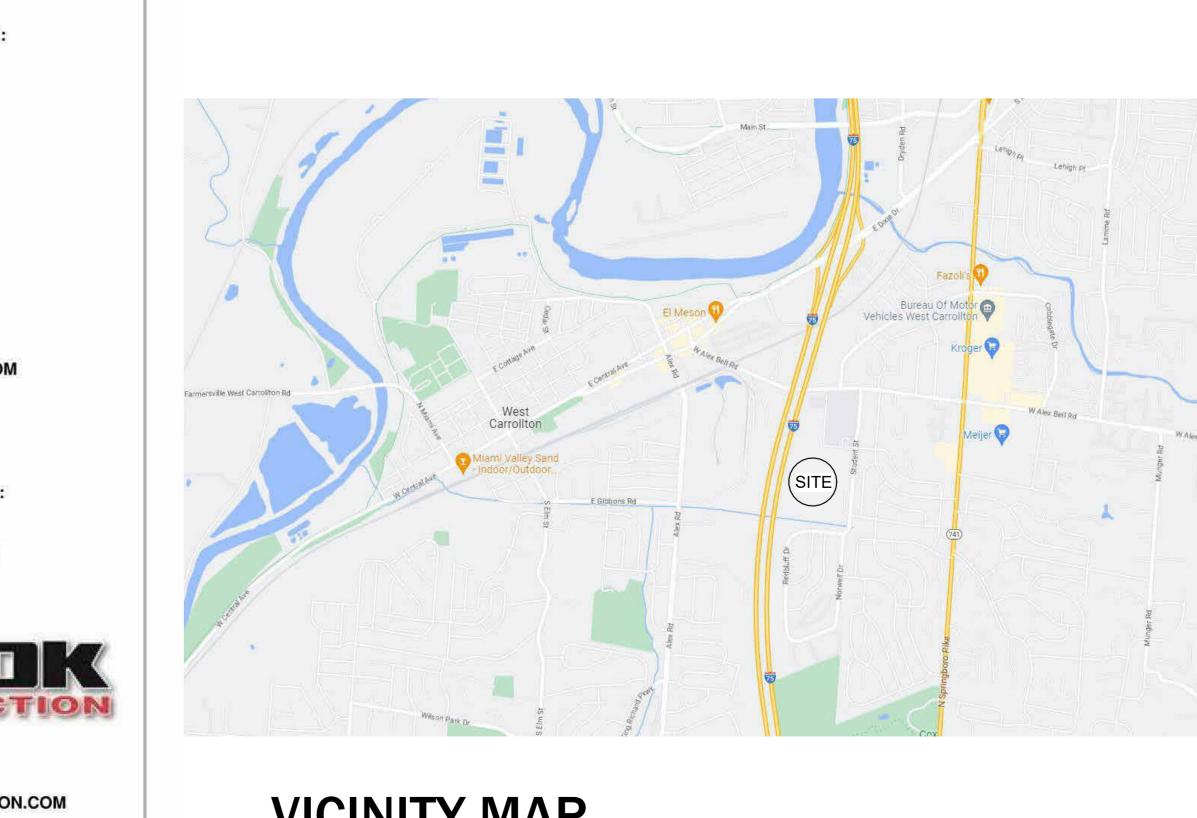


2202 S. PATTERSON BLVD. DAYTON, OHIO 45409 PH: 937.298.4631 WWW.SHELLANDMEYER.COM

CONSTRUCTION MANAGER:



2000 W DOROTHY LANE MORAINE, OHIO 45439 PH: 937.276.6666 WWW.SHOOKCONSTRUCTION.COM



# VICINITY MAP



NORTH

### **GENERAL NOTES**

PREVAIL.

- THE CITY OF WEST CARROLLTON, AND THE CURRENT EDITION OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS (ODOT CMS), INCLUDING ALL SUPPLEMENTS, SHALL GOVERN ALL MATERIALS AND WORKMANSHIP INVOLVED IN THE IMPROVEMENTS SHOWN ON THIS PLAN, IGNORE REFERENCES TO MEASUREMENT AND PAYMENT IN THE ODOT CMS UNLESS NOTED OTHERWISE. IN THE CASE OF CONFLICTS BETWEEN THE ODOT CMS AND THE CITY OF WEST CARROLLTON REQUIREMENTS, THE CITY OF WEST CARROLLTON REQUIREMENTS SHALL
- THE CONTRACTOR IS RESPONSIBLE FOR THE INVESTIGATION, LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES WHETHER SHOWN ON THESE PLANS OR NOT. THE CONTRACTOR SHALL EXPOSE ALL UTILITIES OR STRUCTURES PRIOR TO CONSTRUCTION TO VERIFY THE VERTICAL AND HORIZONTAL EFFECT ON THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL CALL, TOLL FREE, THE OHIO UTILITIES PROTECTION SERVICE (1-800-362-2764) 48 HOURS PRIOR TO CONSTRUCTION AND SHALL NOTIFY ALL UTILITY COMPANIES WHO ARE NON-MEMBERS OF THE OHIO UTILITIES PROTECTION SERVICE AT LEAST 48 HOURS PRIOR TO WORK IN THE VICINITY OF THEIR UNDERGROUND LINES.
- CONTRACTOR SHALL OBTAIN A PERMIT FOR ALL CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH LOCAL, STATE, & FEDERAL REGULATIONS.
- THE CONTRACTOR IS TO PERFORM ALL INSPECTIONS AS REQUIRED BY THE OHIO EPA FOR THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AND FURNISH OWNERS REPRESENTATIVE WITH WRITTEN REPORTS.
- THE CONTRACTOR IS REQUIRED TO VISIT THE SITE AND FULLY INFORM THEMSELVES CONCERNING ALL CONDITIONS AFFECTING THE SCOPE OF THE WORK. FAILURE TO VISIT THE SITE SHALL NOT RELIEVE THEM FROM ANY RESPONSIBILITY IN THE PERFORMANCE OF THE CONTRACT. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR EXPENSES INCURRED DUE TO SOIL
- CONDITIONS, GROUNDWATER, AND/OR ROCK EXCAVATION, ALL OF THESE ITEMS SHALL BE INCLUDED IN THE PRICE BID FOR THE PROJECT. THE COST OF ALL DEWATERING REQUIRED FOR THE CONSTRUCTION OF THIS PROJECT SHALL BE
- INCLUDED IN THE PRICE BID FOR THE PROJECT. THE DIRECT OR INDIRECT DISCHARGE OR PUMPING OF UNFILTERED SEDIMENT-LADEN WATER INTO
- THE STORM DRAINAGE SYSTEM OR WATERCOURSE IS ILLEGAL AND PROHIBITED. ANY WELL, WELL POINT, PIT, OR OTHER DEVICE INSTALLED FOR THE PURPOSE OF LOWERING THE
- GROUND WATER TO FACILITATE CONSTRUCTION OF THIS PROJECT SHALL BE PROPERLY ABANDONED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 3745-9-10 OF THE OHIO ADMINISTRATIVE CODE OR IN ACCORDANCE WITH THE PROVISIONS OF THIS PLAN AS DIRECTED BY THE DIRECTOR OF PUBLIC UTILITIES OR HIS REPRESENTATIVE.
- ANY CONTRACTOR INSTALLING ANY WELL, WELL POINT, PIT, OR OTHER DEVICE USED FOR THE PURPOSE OF REMOVING GROUND WATER FROM AN AQUIFER SHALL COMPLETE AND FILE A WELL LOG AND DRILLING REPORT FORM WITH THE OHIO DEPARTMENT OF NATURAL RESOURCES (ODNR), DIVISION OF WATER. WITHIN 30 DAYS OF THE WELL COMPLETION IN ACCORDANCE WITH THE OHIO REVISED CODE SECTION 1521.01 AND 1521.05 IN ADDITION. ANY SUCH FACILITY IS COMPLETED IN ACCORDANCE WITH SECTION 1521.16 OF THE OHIO REVISED CODE. FOR COPIES OF THE NECESSARY WELL LOG, DRILLING REPORT, OR REGISTRATION FORMS, PLEASE CONTACT: DIVISION OF WATER, OHIO DEPARTMENT OF NATURAL RESOURCES, FOUNTAIN SQUARE, COLUMBUS, OHIO 43224, (614)2656717.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO THE ODNR FOR THE REGISTRY, MAINTENANCE AND ABANDONMENT OF ANY WITHDRAWAL DEVICE USED IN CONSTRUCTION OF THIS PROJECT.
- 12. ALL DIMENSIONS ARE TO THE EDGE OF PAVEMENT AND/OR FACE OF CURB, UNLESS OTHERWISE NOTED.
- 13. ALL SITE SIGNAGE, STRIPING COLOR AND WIDTH SHALL BE PER THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- . ALL EXISTING PAVEMENTS, WALKS, CURBS, ETC. SHALL BE SAWCUT BEFORE REMOVAL. IF, DURING CONSTRUCTION, THE PAVEMENT, WALKWAY, CURB, ETC. IS DAMAGED BEYOND THE ORIGINAL SAWCUT THE DAMAGED AREA SHALL BE RECUT TO NEAT LINES AS DIRECTED BY THE ENGINEER. PAYMENT FOR SAWCUTTING SHALL BE INCLUDED IN THE PRICE BID FOR THE PROJECT.
- THE CONTRACTOR SHALL SAWCUT EXISTING PAVEMENT TO PROVIDE A SMOOTH VERTICAL FULL DEPTH BUTT JOINT BETWEEN THE EXISTING PAVEMENT OR CURB AND THE PROPOSED PAVEMENT CONTRACTOR SHALL LOCATE SOUND PAVEMENT EDGE AND CUT AND TRIM PAVEMENT TO A NEAT LINE. INCLUDE THE COST OF PAVEMENT REMOVAL AND DISPOSAL IN THE PRICE BID FOR THE PROJECT.
- **GRADING NOTES**
- CONTRACTOR TO REMOVE TREES AND CLEAR AREAS AS NECESSARY TO PERFORM ALL SITE WORK INCLUDING GRADING AND UTILITY WORK PROTECTION OF EXISTING TREES AND VEGETATION: PROTECT EXISTING TREES AND OTHER
- VEGETATION INDICATED TO REMAIN IN PLACE AGAINST UNNECESSARY CUTTING, BREAKING OR SKINNING OF ROOTS, SKINNING OR BRUISING OF BARK, SMOTHERING OF TREES BY STOCKPILING CONSTRUCTION MATERIALS OR EXCAVATED MATERIALS WITHIN DRIP LINE, EXCESS FOOT OR VEHICULAR TRAFFIC, OR PARKING OF VEHICLES WITHIN DRIP LINE. PROVIDE TEMPORARY GUARDS TO PROTECT TREES AND VEGETATION TO BE LEFT STANDING.
- SITE BUILDING PAD EXCAVATION AND CONSTRUCTION TO BE PER GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. BUILDING PAD PREPARATION SHALL BEGIN BY CLEARING & STRIPPING UNSUITABLE MATERIAL FROM PAD SITE. THEN PLACE & COMPACT BACKFILL MATERIAL AT GEOTECHNICAL ENGINEER'S AND ARCHITECT'S RECOMMENDATIONS. ALL BACKFILL MATERIAL MUST BE ACCEPTABLE TO THE GEOTECHNICAL ENGINEER.

3. ALL ELEVATIONS SHOWN ARE FINISHED GRADE ELEVATIONS.

- ALL FILL UNDER PAVEMENT SHALL BE COMPACTED TO THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. THE CONTRACTOR IS RESPONSIBLE FOR BALANCING THE SITE EARTHWORK ON SITE. THE
- CONTRACTOR IS RESPONSIBLE FOR BURY/BORROW PITS AS NEEDED TO BALANCE THE SITE. GEOTECH AND ENGINEER MUST APPROVE AREAS PRIOR TO BURY/BORROW OPERATIONS. AS-BUILT OF BURY/BORROW PIT WILL BE REQUIRED AT COMPLETION OF CONTRACTOR WORK AND MUST BE SUBMITTED TO THE CONSTRUCTION MANAGER.
- CONTRACTOR SHALL IMPLEMENT ALL SOIL AND EROSION CONTROL PRACTICES REQUIRED BY THE CITY OF WEST CARROLLTON AND THE OHIO EPA. ALL GROUND SURFACE AREAS THAT HAVE BEEN EXPOSED OR LEFT BARE AS A RESULT OF
- CONSTRUCTION AND ARE TO FINAL GRADE AND ARE TO REMAIN SO, SHALL BE SEEDED AND MULCHED AS SOON AS PRACTICAL IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. IF NO SPECIFICATIONS ARE SUPPLIED, USE ODOT ITEM 659. CONTRACTOR TO LAYOUT BUILDING BASED ON ARCHITECTURAL/FOUNDATION PLANS. SITE PLAN IS
- FOR CONCEPTUAL PURPOSES ONLY. UTILITY NOTES

OTHERWISE NOTED

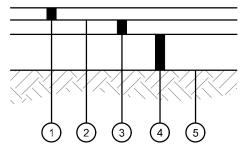
- ALL DRAIN TILE AND STORM SEWERS DAMAGED, DISTURBED OR REMOVED AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED WITH THE SAME QUALITY PIPE OR BETTER. MAINTAINING THE SAME GRADIENT AS EXISTING. THE DRAIN TILE AND/OR STORM SEWER SHALL BE CONNECTED TO THE CURB SUBDRAIN, STORM SEWER SYSTEM OR OUTLETTED INTO THE ROADWAY DITCH AS APPLICABLE. REPLACED DRAIN TILE/STORM SEWER SHALL BE LAID ON COMPACTED BEDDING EQUAL IN DENSITY TO SURROUNDING STRATUM. REPLACEMENT SHALL BE DONE AT THE TIME OF THE BACKFILL OPERATION. COST OF THIS WORK TO BE INCLUDED IN THE PRICE BID FOR THE PROJECT.
- ALL EXISTING UTILITIES KNOWN TO EXIST HAVE BEEN SHOWN ON THESE PLANS IN THEIR APPROXIMATE LOCATION. PRIOR TO THE BEGINNING OF CONSTRUCTION OR EARTH MOVING OPERATIONS, THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF THE UTILITIES SHOWN. THE CONTRACTOR IS ALSO RESPONSIBLE FOR THE PROTECTION AND/OR RELOCATION OF ANY UTILITIES THAT MAY EXIST AND ARE NOT SHOWN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE RELOCATION AND/OR PROTECTION OF ANY UTILITIES AS REQUIRED BY THE PLAN WITH THE OWNER OF THE AFFECTED UTILITY
- UTILITY POLES WITHIN INFLUENCE OF THE UTILITY OPERATIONS SHALL BE REINFORCED BY THE UTILITY COMPANY PRIOR TO THESE CONSTRUCTION ACTIVITIES. NOTIFICATION OF THE UTILITY COMPANY PRIOR TO CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- COMPACTED FILLS ARE TO BE MADE TO A MINIMUM OF THREE FEET ABOVE THE CROWN OF ANY PROPOSED SEWER PRIOR TO CUTTING OF TRENCHES FOR PLACEMENT OF SAID SEWERS. ALL FILLS SHALL BE CONTROLLED, COMPACTED, AND INSPECTED BY AN APPROVED TESTING LABORATORY OR AN INSPECTOR FROM THE APPROPRIATE GOVERNMENTAL AGENCY.
- CONTRACTOR TO REPLACE ANY PAVEMENT OR UTILITIES DAMAGED WHICH ARE NOT SPECIFIED TO BE REMOVED ON THESE PLANS.
- ALL CATCH BASINS PLACED WITHIN THE PAVEMENT SHALL HAVE HEAVY DUTY FRAMES AND GRATES AND CONFORM TO ADA REQUIREMENTS.
- 8. ADJUST ALL EXISTING CASTINGS AND CLEANOUTS WITHIN PROJECT AREA TO GRADE AS REQUIRED. 9. ALL CATCH BASINS WITH DEPTH GREATER THAN 4.5' SHALL BE PROVIDED WITH STEPS. STEPS SHALL
- MEET THE REQUIREMENTS OF ODOT ITEM 611. 10. ALL STORM AND SANITARY SEWER MANHOLES WITH A DEPTH GREATER THAN 4' SHALL BE PROVIDED
- WITH STEPS. STEPS SHALL MEET THE REQUIREMENTS OF ODOT ITEM 611. DISTANCES SHOWN FOR BOTH SANITARY AND STORM SEWER PIPES ARE MEASURED FROM CENTER OF STRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR ACTUAL FIELD CUT LENGTH. COORDINATES FOR STORM AND SANITARY STRUCTURES ARE SHOWN TO THE CENTER OF STRUCTURE, UNLESS
- IMMEDIATELY AFTER PLACEMENT OF ANY CONDUITS. THE CONTRACTOR SHALL CONSTRUCT THE END TREATMENTS REQUIRED BY THE PLANS AT BOTH THE OUTLET AND INLET ENDS. THIS SHALL INCLUDE HEADWALLS, CONCRETE, RIP RAP, ROCK CHANNEL PROTECTION, SODDING, POURING BOTTOMS, MUDDING LIFT HOLES, ETC.
- 13. ALL PROPOSED STORM SEWERS, SURFACE OR OTHER DRAINAGE FACILITIES ARE TO BE PRIVATE AND MAINTAINED BY THE OWNER. EROSION CONTROL MEASURES MUST PROVIDE PROTECTION UNTIL COMPLETION OF THE PROJECT AND VEGETATIVE STABILIZATION.
- THE CONTRACTOR IS TO CONSTRUCT CURBS, CATCH BASINS, DOWNSPOUTS, PIPING AND CONNECTIONS ETC. AS REQUIRED TO CONVEY THE ROOF AND PAVED SURFACE DRAINAGE TO THE DETENTION BASIN.
- 15. ROOF DRAINS, FOUNDATION DRAINS AND ALL OTHER CLEAR WATER CONNECTIONS TO THE SANITARY SEWER SYSTEMS ARE PROHIBITED.
- 16. SITE CONTRACTOR SHALL PICK UP ALL UTILITIES, WITH THE EXCEPTION OF DOWNSPOUTS, 5' OUTSIDE BUILDING WALL. COORDINATE WITH CONSTRUCTION MANAGER.
- 17. ALL STORM STRUCTURES ARE ODOT TYPES UNLESS OTHERWISE INDICATED. 3. STORM SEWER PIPE LABELED "STM" SHALL BE ONE OF THE FOLLOWING: PVC SDR-35 PER ODOT ITEM 707.45, PVC PROFILE PIPE PER ODOT ITEM 707.43, HIGH DENSITY POLYETHYLENE PER ODOT ITEM 707 33 ALUMINIZED CORRUGATED METAL ODOT ITEM 707 01 707 02 OR REINFORCED CONCRETE PIPE ODOT ITEM 706.02 CLASS IV. STORM SEWER PIPE LABELED "RCP" SHALL BE REINFORCED CONCRETE PIPE, ODOT ITEM 706.02 CLASS IV. ALL STORM IS TO BE INSTALLED PER ODOT ITEM 611. ALL STORM

PIPE USED MUST HAVE A MANUFACTURER SPECIFIED FRICTION FACTOR OF 0.013 (N=0.013) OR LESS.



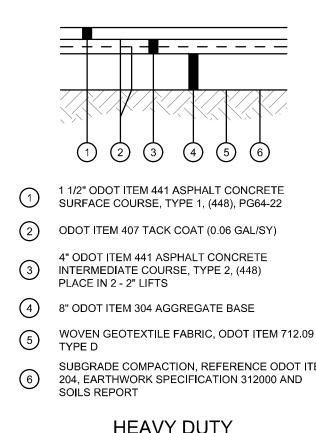
UNDERGROUND UTILITIES ARE PLOTTED FROM A COMPILATION OF AVAILABLE RECORD INFORMATION AND SURFACE INDICATIONS OF UNDERGROUND STRUCTURES AND MAY NOT BE INCLUSIVE. PRECISE LOCATIONS AND THE EXISTENCE OR NON EXISTENCE OF UNDERGROUND UTILITIES CANNOT BE VERIFIED. PLEASE NOTIFY THE OHIO UTILITY PROTECTION SERVICE AT 811 OR 1-800-362-2764 BEFORE ANY PERIOD OF EXCAVATION OR CONSTRUCTION ACTIVITY.

- UPHILL DIRECTION AND CAPPED.
- MANAGER. ALL ROOF DRAINS ARE TO BE 8" UNLESS OTHERWISE NOTED.
- FABRICATED PVC CATCH BASIN, AGRI-DRAIN CATCH BASIN, OR APPROVED EQUAL.
- PRIOR TO CONSTRUCTION OF THE SEWER.
- STORM DRAINAGE SYSTEM.
- ENGINEER.
- SHALL CONFORM TO ASTM D-3212.
- #67, 7 OR 8. BEDDING TO BE MINIMUM OF 6" BELOW & 12" ABOVE THE PIPE.
- OF COVER.
- 28. WATERLINE SHALL BE DUCTILE IRON PIPE CLASS 52, MINIMUM 250 PSI.

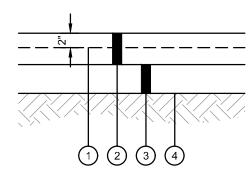


- (4) 8" ODOT ITEM 304 AGGREGATE BASE
- 204, EARTHWORK SPECIFICATION 312000 AND SOILS REPORT



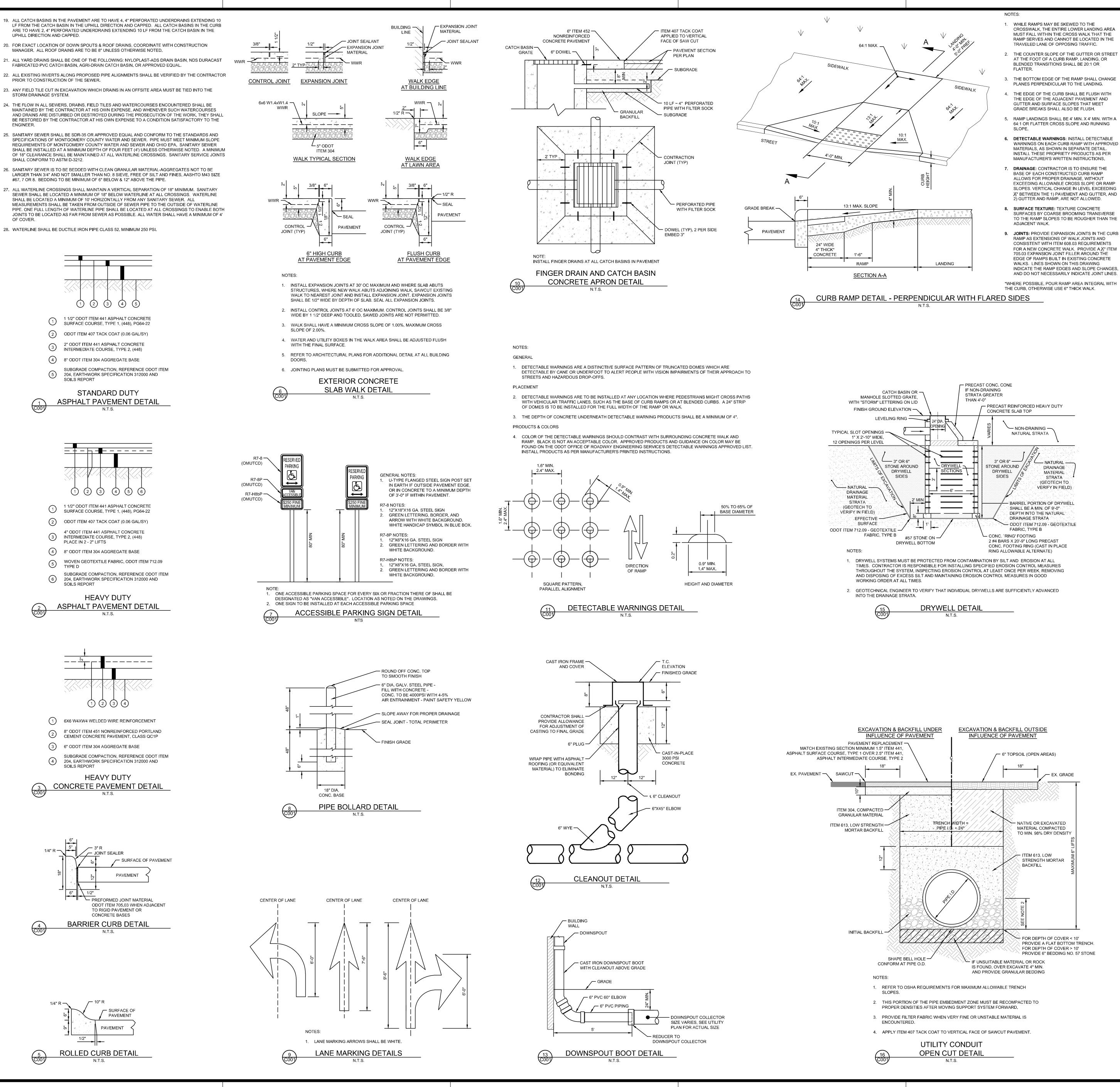


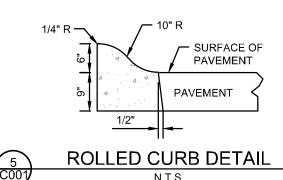


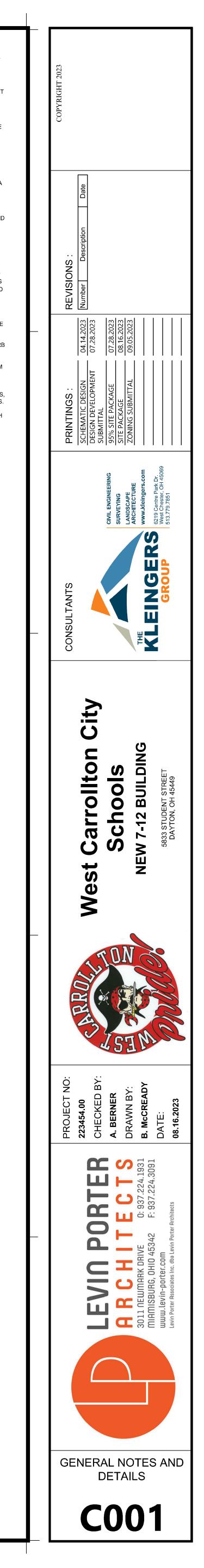


- 204, EARTHWORK SPECIFICATION 312000 AND SOILS REPORT

CONCRETE PAVEMENT DETAIL

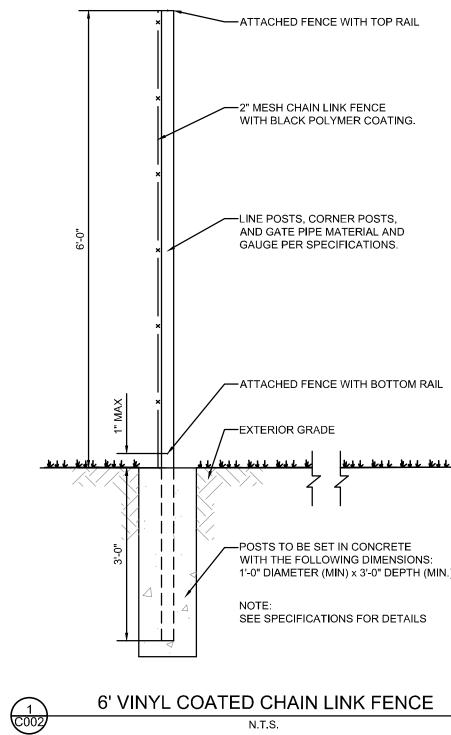


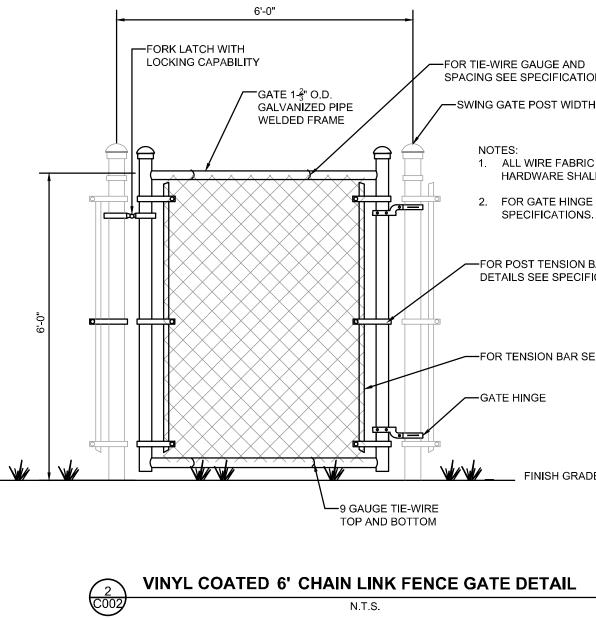


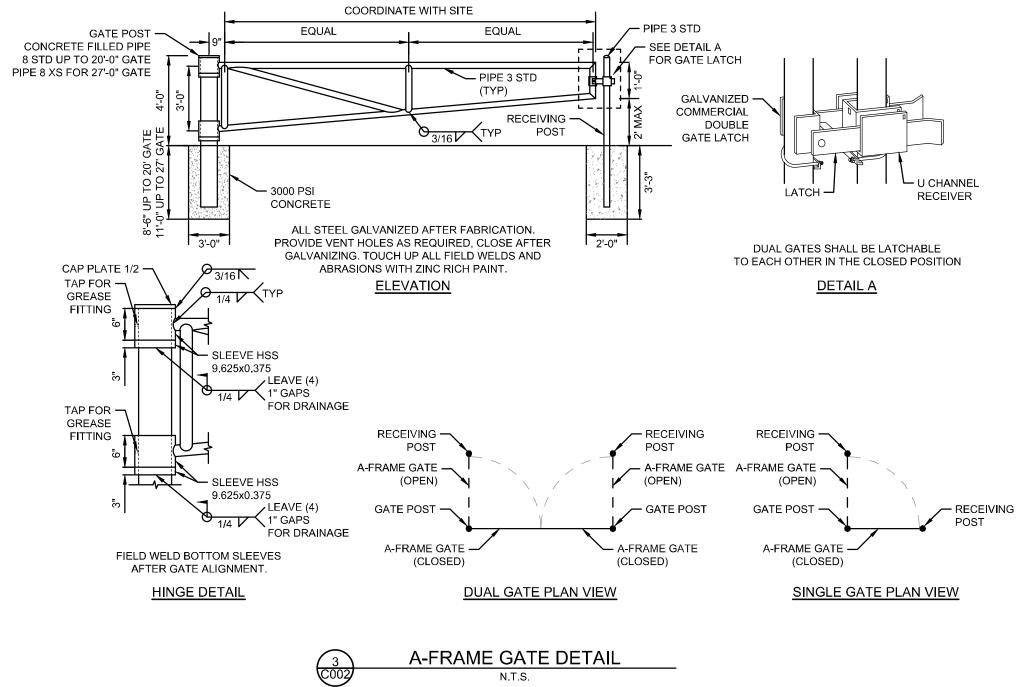




<u>NOTE</u> : UNDERGROUND UTILITIES ARE PLOTTED FROM A COMPILATION OF AVAILABLE RECORD INFORMATION AND SURFACE INDICATIONS OF UNDERGROUND STRUCTURES AND MAY NOT BE INCLUSIVE. PRECISE LOCATIONS AND THE EXISTENCE OR NON EXISTENCE OF UNDERGROUND UTILITIES CANNOT BE VERIFIED. PLEASE NOTIFY THE OHIO UTILITY PROTECTION SERVICE AT 811 OR 1-800-362-2764 BEFORE ANY PERIOD OF EXCAVATION OR CONSTRUCTION ACTIVITY.







# ATTACHED FENCE WITH TOP RAIL

## WITH BLACK POLYMER COATING.

### AND GATE PIPE MATERIAL AND GAUGE PER SPECIFICATIONS.

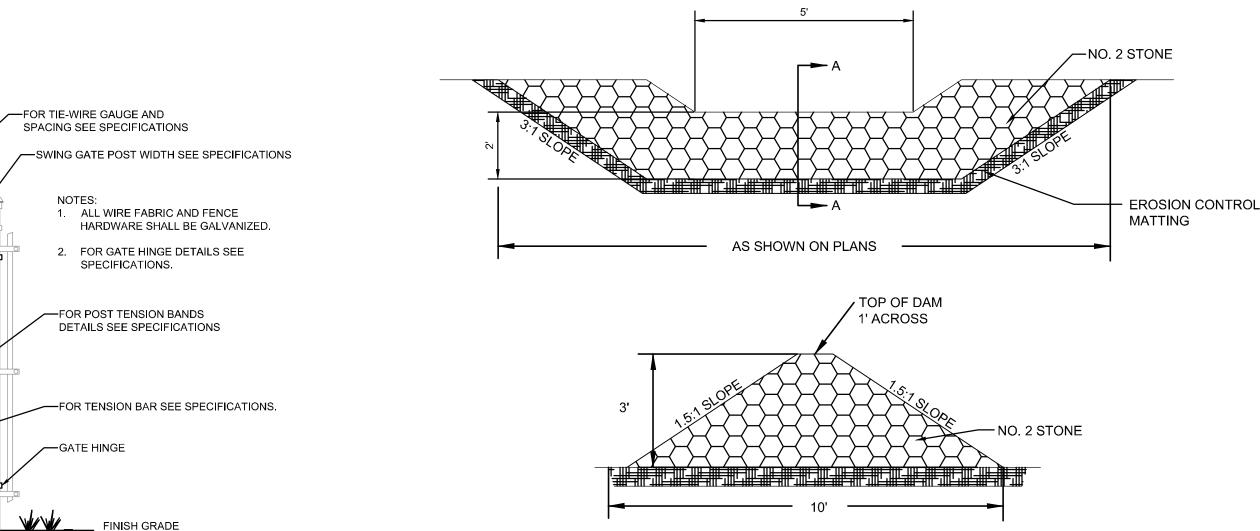
# - + t/ for that was for the for the for the for the former that the former tha

### WITH THE FOLLOWING DIMENSIONS: 1'-0" DIAMETER (MIN) x 3'-0" DEPTH (MIN.)

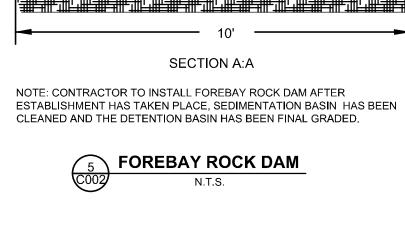
SEE SPECIFICATIONS FOR DETAILS

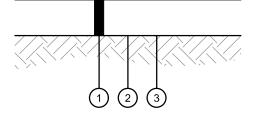
/ 1"x6" SOCKET |<del>→</del> <sup>7"</sup> → | / FOR DOWELS - DRAINAGE SLOTS 2 - #4 REBAR (TYP) — ASPHALT PAVEMENT 20 1/2" EMBEDMENT \_\_\_\_\_ SECTION A-A 6'-0" 3'-0"  $\square$  $\sim$  2 ANCHORS  $\rightarrow$ 3/4"X24" DOWEL 9' STALL (TYP) PLAN VIEW PRECAST CONCRETE WHEEL STOP DETAIL 4

N.T.S.



NOTES:

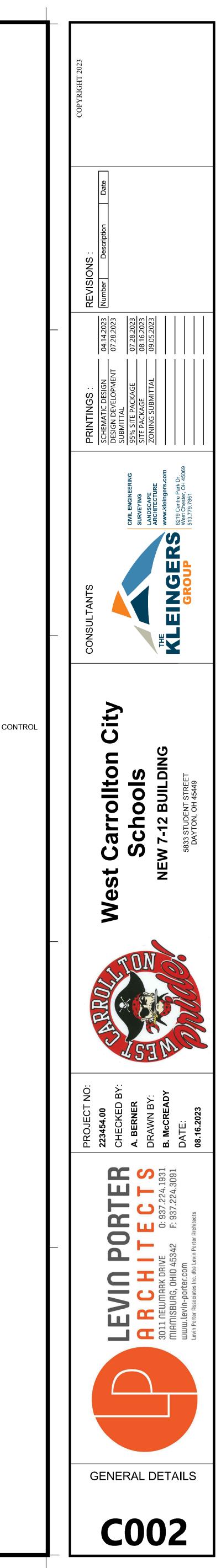




- 1 10" ODOT ITEM 304 AGGREGATE BASE
- WOVEN GEOTEXTILE FABRIC, ODOT ITEM 712.09 TYPE D
- 3 SUBGRADE COMPACTION, REFERENCE ODOT ITEM 204, EARTHWORK SPECIFICATION 312000 AND SOILS REPORT

N.T.S.

### GRAVEL PAVEMENT DETAIL 6 C002



### **PROJECT DATA PROJECT DESCRIPTION**

LATITUDE: LONGITUDE: ESTIMATED CONSTRUCTION DATES:

TOTAL SITE AREA: TOTAL DISTURBED AREA:

### EXISTING IMPERVIOUS AREA:

PROPOSED IMPERVIOUS AREA: TOTAL IMPERVIOUS AREA AFTER CONSTRUCTION: 8.70 ACRES INCREASE IN IMPERVIOUS AREA:

**PRE-CONSTRUCTION RUNOFF COEFFICIENT :** 

POST-CONSTRUCTION RUNOFF COEFFICIENT: IMMEDIATE RECEIVING WATER/MS4:

ULTIMATE RECEIVING STREAM:

EXISTING LAND USE:

SOILS:

# CONSTRUCTION SEQUENCE

TO COMPLETE THE EXCAVATION AND CONSTRUCTION OF THE PROPOSED JOB IMPROVEMENTS. COORDINATION OF THE CONTRACTOR'S WORK CREWS WILL BE REQUIRED. THE EXISTING DITCHES WILL PERFORM TEMPORARY SEDIMENT CONTROL AND STORAGE DURING THE PROPOSED CONSTRUCTION. WORK WILL GENERALLY PROCEED FROM DOWNSTREAM TO UPSTREAM IN THESE WORK AREAS. THE GENERAL CONSTRUCTION SEQUENCE IS AS FOLLOWS: A) INSTALL EROSION CONTROL ITEMS.

- B) STRIP TOPSOIL AND ANY UNSUITABLE MATERIAL THROUGH THE INCREMENTAL WORK AREA.
- STRIPPING OPERATION. D) IF U/G PIPE IS CALLED FOR IN THIS PORTION OF WORK AREA, PIPE CREW WILL INSTALL PIPE AS WELL AS MANHOLES.
- REGULATIONS INCLUDING:
- 1. SEEDING
- 2. DITCH MATTING 3. INLET PROTECTION
- 4. MULCHING 5. WATERING

**EMERGENCY ACTION & SPILL PREVENTION PLAN** THE SCOPE OF WORK COVERED BY THIS PLAN INCLUDES EMERGENCY RESPONSE TO SPILLS, CONTAINMENT OF SPILLED LIQUIDS, EMERGENCY NOTIFICATION NUMBERS, AND SOIL EXCAVATION FOR SPILL CLEAN-UP.

IN THE EVENT OF A SPILL EVENT THE EMPLOYEE SHALL ASSESS THE SPILL AND IMMEDIATELY NOTIFY THE SAFETY OFFICER AND SUPERVISOR IN CHARGE, OR OTHER INDIVIDUALS AS LISTED BELOW.

<u>LE</u>	<u>NAME</u>

SITE SUPERINTENDENT

PROJECT ENGINEER

IMMEDIATELY AFTER NOTIFICATION, THE EMPLOYEE WILL BE DIRECTED BY THE SAFETY OFFICER, OR RESPONSIBLE PARTY TO START CONTAINMENT PROCEDURES TO PREVENT THE MATERIAL FROM REACHING THE STORM SEWERS, DRAINAGE DITCH, AND OTHER OUTLETS USING THE FOLLOWING ACTIONS OR ANY OTHER MEANS NECESSARY WITHOUT COMPROMISING WORKER SAFETY: 1) CLEAR PERSONNEL FROM THE SPILL AREA AND ROPE OFF AREA. 2) STOP THE SPILL.

3) USE SORBENT MATERIALS, PLUG PUTTY, OR HOLE PUTTY AS NECESSARY TO CONTROL THE SPILL AT THE SOURCE. 4) CONSTRUCT A TEMPORARY CONTAINMENT DIKE OF SORBENT MATERIALS OR DIRT TO CONTAIN SPILL.

SPILL KITS WILL BE LOCATED ON THE PROJECT AS DESIGNATED ON THE SWPPP PLAN.

REGULATORY PROCEDURES.

EMERGENCY CONTACTS OHIO EPA EMERGENCY RESPONSE CENTER

WEST CARROLTON FIRE DEPARTMENT

MONTGOMERY COUNTY LOCAL EMERGENCY PLANNING COMMITEE 937-901-5112

GENERAL NOTES THE CONTRACTOR IS HEREBY ADVISED THAT STRICTER POLLUTION CONTROL STANDARDS AND ENFORCEMENT HAVE BEEN IMPOSED BY THE OHIO EPA SINCE MARCH 10, 2003 AND WITH A REVISION IN APRIL 2018. ALSO, MANY PRIVATE CITIZEN ENVIRONMENTAL GROUPS, WHO HAVE BEEN KNOWN TO FILE CIVIL LEGAL ACTIONS, ARE PRESENT IN THE AREA AND OBSERVE ALL CONSTRUCTION OPERATIONS.

THE CONTRACTOR SHALL INFORM ALL SUBCONTRACTORS OF THE REQUIREMENTS AND RESPONSIBILITIES OF THE SWPPP AND SHALL DOCUMENT ALL SUCH NOTIFICATIONS AND/OR DISCUSSIONS.

THE CONTRACTOR WILL BE REQUIRED TO PARTICIPATE IN SEDIMENT AND EROSION CONTROL INSPECTIONS ON A WEEKLY BASIS AND SIGN AN APPROVED INSPECTION SHEET THAT SHALL BE KEPT ON FILE AT THE JOB SITE.

UNLESS OTHERWISE NOTED, STANDARDS AND SPECIFICATIONS ESTABLISHED IN THE LATEST EDITION OF THE OEPA "RAINWATER AND LAND DEVELOPMENT" HANDBOOK SHALL GOVERN THE EROSION AND SEDIMENT CONTROL INSTALLATIONS SPECIFIED ON THIS PLAN.

ENGINEER OR THE OHIO EPA CAN AND WILL MODIFY THIS PLAN AS NECESSARY.

THE CONTRACTOR WILL VOLUNTARILY SELF REPORT ANY POTENTIAL VIOLATIONS OF THE OEPA NPDES PERMIT TO THE ENGINEER AND THE OEPA.

THE CONTRACTOR SHALL REMOVE EXISTING GROUND COVER ONLY AS NECESSARY FOR THE PROJECT PHASE CURRENTLY UNDER CONSTRUCTION.

CONSTRUCTION AND DEMOLITION DEBRIS SHALL BE PROPERLY DISPOSED OF ACCORDING TO OHIO EPA REQUIREMENTS.

THE CONTRACTOR WILL BE REQUIRED TO BUILD SEDIMENT BASINS OR SEDIMENT TRAPS OR USE EQUAL METHODS TO DETAIN AND CLEAN WATER TO ACCEPTABLE EPA STANDARDS BEFORE RELEASING THE WATER BACK INTO THE STREAM.

THERE SHALL BE NO TURBID DISCHARGES TO SURFACE WATERS, RESULTING FROM DEWATERING ACTIVITIES. SEDIMENT-LADEN WATER MUST PASS THROUGH A SETTLING POND, FILTER BAG, OR OTHER COMPARABLE PRACTICE, PRIOR TO DISCHARGE.

NO SOLID OR LIQUID WASTE SHALL BE DISCHARGED INTO STORM WATER RUNOFF.

ALL PROCESS WASTEWATER (EQUIPMENT WASHING, LEACHATE FROM ON-SITE WASTE DISPOSAL, ETC.) SHALL BE COLLECTED AND DISPOSED OF AT A PUBLICLY OWNED TREATMENT WORKS.

HEALTH REGULATIONS.

DISCRETION.

EROSION CONTROL INSTALLATIONS.



UNDERGROUND UTILITIES ARE PLOTTED FROM A COMPILATION OF AVAILABLE RECORD INFORMATION AND SURFACE INDICATIONS OF UNDERGROUND STRUCTURES AND MAY NOT BE INCLUSIVE. PRECISE LOCATIONS AND THE EXISTENCE OR NON EXISTENCE OF UNDERGROUND UTILITIES CANNOT BE VERIFIED. PLEASE NOTIFY THE OHIO UTILITY PROTECTION SERVICE AT 811 OR 1-800-362-2764 BEFORE ANY PERIOD OF EXCAVATION OR CONSTRUCTION ACTIVITY.

### CONSTRUCTION OF NEW HIGH SCHOOL, TO INCLUDE NEW HARDSCAPE, LANDSCAPE AND UTILITY IMPROVEMENTS

### N 39°40'20.3" W 84°13'50.2"

SPRING 2024 - FALL 2025

### 66.89 ACRES 14.68 ACRES

0.17 ACRES 8.70 ACRES 5017.65%

### C=0.31 C=0.69

LOCAL STORM SEWER SYSTEM GREAT MIAMI RIVER

### PUBLIC HIGH SCHOOL

FIA - FOX LOAM, 0 TO 2 PERCENT SLOPES OcA - OCKLEY SILT LOAM, SOUTHERN OHIO TILL PLAIN, 0 TO 2 PERCENT SLOPES Rs - ROSS SILT LOAM, SLOPES USUALLY FLOODED, 0 TO 2 PERCENT SLOPES Ud - UDORTHENTS WeA - WEA SILT LOAM, 0 TO 2 PERCENT SLOPES

C) INSTALL TEMPORARY DITCH CHECKS IN DOWNSTREAM END OF EXISTING DITCH WITHIN 24 HOURS FOLLOWING THE

E) AS PIPE INSTALLATION PROGRESSES, REPAIR OF THE ROADWAY WILL PROCEED BEHIND IT. F) ANY DISTURBED OR EXPOSED AREAS SHALL BE STABILIZED PER OEPA TEMPORARY AND PERMANENT STABILIZATION

PHONE NUMBER

UPON COMPLETION OF CONTAINMENT OPERATIONS, PROPER CLEAN-UP PROCEDURES WILL BE IMPLEMENTED IN ACCORDANCE WITH

IF THE SPILL EXCEEDS 25 GALLONS, THE FOLLOWING ORGANIZATIONS SHALL BE CONTACTED WITHIN 30 MINUTES OF THE INCIDENT

24 HOUR PHONE NO .:	
800-282-9378	
937-847-4645	

### THIS PROJECT WILL INVOLVE SEVERAL CONSTRUCTION PHASES AND SEQUENCING THROUGHOUT ITS LIFETIME. IT IS VERY IMPORTANT THAT ALL TEMPORARY SEDIMENT AND EROSION CONTROL (S&EC) FIELD METHODS ALONG WITH THIS PLAN, ARE UPDATED TO REFLECT THE ACTUAL FIELD CONDITIONS, CURRENT WEATHER CONDITIONS AND SITE GRADE CHANGES. THE

ALL CONSTRUCTION ACTIVITIES MUST COMPLY WITH ALL LOCAL EROSION/SEDIMENT CONTROL, WASTE DISPOSAL, SANITARY AND

### OTHER EROSION CONTROL ITEMS MAY BE NECESSARY DUE TO ENVIRONMENTAL CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND IMPLEMENTATION OF ADDITIONAL EROSION CONTROL ITEMS, AT THE ENGINEER'S

NO SOIL, ROCK, DEBRIS OR OTHER MATERIAL SHALL BE DUMPED OR PLACED IN ANY AREAS NOT ADEQUATELY PROTECTED BY

IT IS PREFERRED TO USE PERMANENT EROSION CONTROL ITEMS AS SHOWN IN THE PLANS TO CONTROL CONSTRUCTION POLLUTION WHEN POSSIBLE. OTHERWISE, THE TEMPORARY POLLUTION PREVENTION ITEMS ARE TO BE USED.

MOST TEMPORARY S&EC METHODS, INCLUDING BUT NOT LIMITED TO, SILT FENCE AND DITCH CHECKS MAY ALL HAVE TO BE PERIODICALLY REMOVED AND REPLACED, OR MOVED FROM THE EXISTING ROAD DITCH OR STRIPPED AREAS AS WORK PROGRESSES. ANY CHANGES SHALL BE NOTED IN THE PLAN BY RED LINE AND DATED ON A CORRECTIVE ACTION LOG.

ALL TEMPORARY SEDIMENT CONTROLS AND STORM WATER QUALITY METHODS WILL BE BUILT/INSTALLED AS THE PROJECT PROGRESSES TO ELIMINATE UNNECESSARY DISTURBANCE AND REDUNDANCY. ALL TEMPORARY CONTROLS SHALL BE IN PLACE AND FUNCTIONING PROPERLY WHEN THREATENING WEATHER IS IMMINENT

"TEMPORARY STABILIZATION" MEANS THE ESTABLISHMENT OF TEMPORARY VEGETATION, MULCHING, GEOTEXTILES, SOD, PRESERVATION OF EXISTING VEGETATION AND OTHER TECHNIQUES CAPABLE OF QUICKLY ESTABLISHING COVER OVER DISTURBED AREAS TO PROVIDE EROSION CONTROL BETWEEN CONSTRUCTION OPERATIONS.

"PERMANENT STABILIZATION" MEANS THE ESTABLISHMENT OF PERMANENT VEGETATION, DECORATIVE LANDSCAPE MULCHING, MATTING, SOD, RIP RAP AND LANDSCAPING TECHNIQUES TO PROVIDE PERMANENT EROSION CONTROL ON AREAS WHERE CONSTRUCTION OPERATIONS ARE COMPLETE OR WHERE NO FURTHER DISTURBANCE IS EXPECTED FOR AT LEAST A YEAR.

OFF-SITE TRACKING OF SEDIMENTS SHALL BE MINIMIZED. A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. ALL PAVED STREETS ADJACENT TO THE SITE WILL BE SWEPT DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARP.

### STABILIZATION PRACTICES

PERMANENT SEEDING AND MULCHING STABILIZATION SHALL BE PROVIDED PER OEPA GUIDELINES AS SET FORTH IN PART II.B OF OHIO EPA PERMIT NO.: OHC000005. (SEE TABLE 1)

TABLE 1: PERMANENT STABILIZATION					
	AREA REQUIRING PERMANENT STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS			
	ANY AREAS THAT WILL LIE DORMANT FOR ONE YEAR OR MORE	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE			
	ANY AREAS WITHIN 50 FEET OF A SURFACE WATER OF THE STATE AND AT FINAL GRADE	WITHIN TWO DAYS OF REACHING FINAL GRADE			
	ANY OTHER AREAS AT FINAL GRADE	WITHIN SEVEN DAYS OF REACHING FINAL GRADE WITHIN THAT AREA			

TEMPORARY SEEDING AND MULCHING STABILIZATION SHALL BE PROVIDED PER OEPA GUIDELINES AS SET FORTH IN PART II.B OF OHIO EPA PERMIT NO.: OHC000005. (SEE TABLE 2)

TABLE 2: TEMPORA	ARY STABILIZATION
AREA REQUIRING TEMPORARY STABILIZATION	TIME FRAME TO APPLY E
ANY DISTURBED AREAS WITH 50 FEET OF A SURFACE WATER OF THE STATE AND NOT AT FINAL GRADE	WITHIN TWO DAYS OF THE MC DISTURBANCE IF THE AREA W MORE THAN 14 DAYS
FOR ALL CONSTRUCTION ACTIVITIES, ANY DISTURBED AREAS THAT WILL BE DORMANT FOR MORE THAN 14 DAYS BUT LESS THAN ONE YEAR, AND NOT WITHIN 50 FEET OF A SURFACE WATER OF THE STATE	WITHIN SEVEN DAYS OF THE M DISTURBANCE WITHIN THE AR FOR RESIDENTIAL SUBDIVISIO AREAS MUST BE STABILIZED A DAYS PRIOR TO TRANSFER OF FOR THE INDIVIDUAL LOT(S).
DISTURBED AREAS THAT WILL BE IDLE OVER WINTER	PRIOR TO THE ONSET OF WIN

REACHED.

### SEEDING & MULCHING

MULCH AND/OR OTHER APPROPRIATE VEGETATIVE PRACTICES SHALL BE APPLIED TO DISTURBED AREAS WITHIN 7 DAYS OF GRADING IF THE AREA IS TO REMAIN DORMANT (UNDISTURBED) FOR MORE THAN 14 DAYS OR ON AREAS AND PORTIONS OF THE SITE WHICH CAN BE BROUGHT TO FINAL GRADE.

MULCH SHALL CONSIST OF UNROTTED SMALL GRAIN STRAW APPLIED AT THE RATE OF 2 TONS/AC. OR 90 LB./1000 SQ. FT. (TWO TO THREE BALES). THE STRAW MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THE SOIL SURFACE IS COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1000-SQ.-FT. SECTIONS AND PLACE TWO 45-LB. BALES OF STRAW IN EACH SECTION.

MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR RUNOFF. THE FOLLOWING ARE ACCEPTABLE METHODS FOR ANCHORING MULCH:

- 1) MECHANICAL-USE A DISK, CRIMPER, OR SIMILAR TYPE TOOL SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT BE LEFT GENERALLY LONGER THAN 6 IN.
- 2) MULCH NETTINGS-USE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, FOLLOWING ALL PLACEMENT AND ANCHORING SUGGESTIONS. USE IN AREAS OF WATER CONCENTRATION AND STEEP SLOPES TO HOLD MULCH IN PLACE. 3) SYNTHETIC BINDERS-FOR STRAW MULCH, SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRI-TAC), DCA-70, PETROSET
- TERRA TACK OR EQUAL MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER. ALL APPLICATIONS OF SYNTHETIC BINDERS MUST BE CONDUCTED IN SUCH A MANNER WHERE THERE IS NO CONTACT WITH WATERS OF THE STATE
- 4) WOOD CELLULOSE FIBER WOOD CELLULOSE FIBER MAY BE USED FOR ANCHORING STRAW. THE FIBER BINDER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 LB./ACRE. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB./100 GAL. OF WOOD CELLULOSE FIBER.

TEMPORARY SEEDING & MULCHING FOR EROSION CONT					
SEED TYPE	<u>PER 1,000 SQ FT</u>	PER ACRE			
PERENNIAL RYEGRASS TALL FESCUE ANNUAL RYEGRASS	1 POUND 1 POUND 1 POUND	40 POUNDS 40 POUNDS 40 POUNDS			
SMALL GRAIN STRAW	90 POUNDS	2 TONS			
FERTILIZER	6 POUNDS OF 10-10-10 OR 12-12-12	250 POUNDS OF 10-10-10 OR 12-12-12			

### STOCKPIL

SILT FENCING SHALL BE INSTALLED AROUND TEMPORARY SPOIL STOCKPILES. THESE STOCKPILES SHALL BE STRAW MULCHED AND/OR TEMPORARILY SEEDED WITHIN 7 WORKING DAYS IF LEFT DORMANT FOR 14 DAYS OR LONGER.

### TIMING OF CONTROLS/MEASURES

NOTE: OTHER APPROVED SPECIES MAY BE SUBSTITUTED

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, CONSTRUCTION ENTRANCE(S) AND SILT FENCE WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. SEDIMENT CONTROL DEVICES SHALL BE IMPLEMENTED FOR ALL AREAS REMAINING DISTURBED LONGER THAN 14 DAYS AND/OR WITHIN 7 DAYS OF ANY GRUBBING ACTIVITIES. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 14 DAYS WILL BE STABILIZED WITH A TEMPORARY SEED AND MULCH WITHIN 2 DAYS OF THE LAST DISTURBANCE IF THE AREA IS WITHIN 50 FEET OF A STREAM, AND WITHIN 7 DAYS OF THE LAST DISTURBANCE IF THE AREA IS MORE THAN 50 FEET AWAY FROM A STREAM. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA WILL BE STABILIZED WITH PERMANENT SEED AND MULCH. AFTER THE ENTIRE SITE IS STABILIZED. THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE BASIN.

			-											
_	STABILIZATION TYPE	J	F	М	А	М	J	J	А	S	0	Ν	D	
	PERMANENT SEEDING			•	•	•	*	*	*	•	•			* IRRIGATION NEEDED
	DORMANT SEEDING	•	•	•							•	•	•	** IRRIGATION NEEDED F
	TEMPORARY SEEDING			•	•	•	*	*	*	•	•			2-3 WEEKS AFTER SOI APPLIED
	SODDING			**	**	**	**	**	**	**				
	MULCHING	•	•	•	•	•	•	•	•	•	•	•	•	

### INSPECTIONS

ALL BMPS ON THIS SITE SHALL BE INSPECTED BY "QUALIFIED INSPECTION PERSONNEL" ASSIGNED BY THE CONTRACTOR OR DESIGNATED REPRESENTATIVE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND BY THE END OF THE NEXT CALENDAR DAY, EXCLUDING WEEKENDS AND HOLIDAYS UNLESS WORK IS SCHEDULED. AFTER A RAIN EVENT OF 0.5 INCHES PER 24 HOUR PERIOD. A RECORD OF THESE INSPECTIONS SHALL BE MAINTAINED IN THE CONSTRUCTION OFFICE WITH THE SWPPP FOR PUBLIC VIEWING. ANY VIOLATIONS WILL BE REPORTED THROUGH THE PROJECT PERSONNEL. A RAIN GAUGE WILL BE LOCATED WITHIN THE PROJECT LIMITS.

FOLLOWING EACH INSPECTION, A CHECKLIST MUST BE COMPLETED AND SIGNED BY THE QUALIFIED INSPECTION PERSONNEL REPRESENTATIVE. AT A MINIMUM, THE INSPECTION REPORT SHALL INCLUDE:

- 1. THE INSPECTION DATE; 2. NAMES, TITLES, AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION;
- 3. WEATHER INFORMATION FOR THE PERIOD SINCE THE LAST INSPECTION (OR SINCE COMMENCEMENT OF CONSTRUCTION ACTIVITY IF THE FIRST INSPECTION) INCLUDING A BEST ESTIMATE OF THE BEGINNING OF EACH STORM EVENT, DURATION OF EACH STORM EVENT, APPROXIMATE AMOUNT OF RAINFALL FOR EACH STORM EVENT (IN INCHES), AND WHETHER ANY DISCHARGES OCCURRED;
- 4. WEATHER INFORMATION AND A DESCRIPTION OF ANY DISCHARGES OCCURRING AT THE TIME OF THE INSPECTION; 5. LOCATION(S) OF DISCHARGES OF SEDIMENT OR OTHER POLLUTANTS FROM THE SITE;
- 6. LOCATION(S) OF BMPS THAT NEED TO BE MAINTAINED; 7. LOCATION(S) OF BMPS THAT FAILED TO OPERATE AS DESIGNED OR PROVED INADEQUATE FOR A PARTICULAR LOCATION;
- 8. LOCATION(S) WHERE ADDITIONAL BMPS ARE NEEDED THAT DID NOT EXIST AT THE TIME OF INSPECTION; AND
- CORRECTIVE ACTION REQUIRED INCLUDING ANY CHANGES TO THE SWP3 NECESSARY AND IMPLEMENTATION DATES.

EROSION CONTROLS OST RECENT WILL REMAIN IDLE FOR

MOST RECENT RFA

ONS, DISTURBED OAT LEAST SEVEN OF PERMIT COVERAGE

NTER WEATHER

ALL TEMPORARY EROSION AND SEDIMENT CONTROL INSTALLATIONS SHALL BE REMOVED WHEN 70% VEGETATION HAS BEEN

ROL					
F					

FOR DD IS

MAINTENANCE

THE CONTRACTOR SHALL MAINTAIN, REPAIR, OR REPLACE ALL EROSION CONTROL INSTALLATIONS AS NEEDED TO ENSURE THE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. ALL REPAIRS TO BMPS SHALL BE MADE WITHIN 3 DAYS (OR SOONER IF POSSIBLE) OF NOTIFICATION OF DEFICIENCIES, IF THE CORRECTIONS ARE NOT MADE WITHIN THE 3 DAY PERIOD, LIQUIDATED DAMAGES MAY BE ASSESSED AS PER THE ODOT CMS SECTION 108.07.

ONGOING INSPECTION OF INSTALLATIONS WILL BE PERFORMED BY THE CONTRACTOR OR DESIGNATED REPRESENTATIVE.

ANY TRAPPED SEDIMENT OR DEBRIS REMOVED DURING CLEANING OF OR REMOVAL OF BMP INSTALLATIONS SHALL BE PLACED IN AREAS NOT SUBJECT TO EROSION AND PERMANENTLY STABILIZED.

DUST CONTROL

DUST CONTROL INVOLVES PREVENTING OR REDUCING DUST FROM EXPOSED SOILS OR OTHER SOURCES DURING LAND DISTURBING. DEMOLITION AND CONSTRUCTION ACTIVITIES TO REDUCE THE PRESENCE OF AIRBORNE SUBSTANCES WHICH MAY PRESENT HEALTH HAZARDS, TRAFFIC SAFETY PROBLEMS OR HARM ANIMAL OR PLANT LIFE.

THE FOLLOWING SPECIFICATIONS FOR DUST CONTROL SHALL BE FOLLOWED ONSITE:

VEGETATIVE COVER AND/MULCH - APPLY TEMPORARY OR PERMANENT SEEDING AND MULCH TO AREAS THAT WILL REMAIN IDLE FOR OVER 14 DAYS. SAVING EXISTING TREES AND LARGE SHRUBS WILL ALSO REDUCE SOIL AND AIR MOVEMENT ACROSS DISTURBED AREAS. SEE TEMPORARY SEEDING; PERMANENT SEEDING; MULCHING PRACTICES; AND TREE AND NATURAL AREA PROTECTION PRACTICES.

- WATERING SPRAY SITE WITH WATER UNTIL THE SURFACE IS WET BEFORE AND DURING GRADING AND REPEAT AS NEEDED, ESPECIALLY ON HAUL ROADS AND OTHER HEAVY TRAFFIC ROUTES. WATERING SHALL BE DONE AT A RATE THAT PREVENTS DUST BUT DOES NOT CAUSE SOIL EROSION. WETTING AGENTS SHALL BE UTILIZED ACCORDING TO MANUFACTURERS INSTRUCTIONS.
- 3. SPRAY-ON ADHESIVES APPLY ADHESIVE ACCORDING TO THE FOLLOWING TABLE OR MANUFACTURERS' INSTRUCTIONS.

ADHESIVE	WATER DILUTION (ADHESIVE: WATER)	NOZZLE <u>TYPE</u>	APPLICATION RATE (GAL/AC)
LATEX EMULSION	12.5:1	FINE	235
RESIN IN WATER ACRYLIC EMULSION (NO TRAFFIC)	4:1	FINE	300
ACRYLIC EMULSION (NO TRAFFIC)	7:1	COARSE	450
ACRYLIC EMULSION (TRAFFIC)	3.5:1	COARSE	350

SPILL PREVENTION

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

GOOD HOUSEKEEPING:

- 1. AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.
- 2. ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
- 3. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL. SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
- 5. WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
- 6. MANUFACTURERS' RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
- 7. THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ONSITE.

HAZARDOUS PRODUCTS:

- 1. PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.
- 2. ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION. 3. IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURERS' OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

### SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

- ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY. MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
- MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.
- THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE. 4. SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY,
- REGARDLESS OF THE SIZE. SPILLS OF 25 OR MORE GALLONS OF PETROLEUM WASTE MUST BE REPORTED TO OHIO EPA (1-800-282-9378), THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MINUTES OF THE SPILL. ALL SPILLS, WHICH RESULT IN CONTACT WITH WATERS OF THE STATE, MUST BE REPORTED TO THE OHIO EPA'S HOTLINE. 5. SOILS CONTAMINATED BY PETROLEUM OR OTHER CHEMICAL SPILLS MUST BE TREATED/DISPOSED AT AN OHIO EPA APPROVED
- SOLID WASTE MANAGEMENT FACILITY OR HAZARDOUS WASTE TREATMENT, STORAGE OR DISPOSAL FACILITY (TSDF). 6. THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE
- CLEANUP MEASURES WILL ALSO BE INCLUDED. 7. THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE WILL DESIGNATE SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ONSITE.

PRODUCT SPECIFIC PRACTICES

PETROLEUM PRODUCTS

ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

FUEL STORAGE TANKS SHALL BE LOCATED AWAY FROM SURFACE WATERS AND STORM SEWER SYSTEM INLETS. FUEL TANKS SHALL BE STORED IN A DIKED AREA CAPABLE OF HOLDING 150% OF THE TANK CAPACITY.

### FERTILIZERS

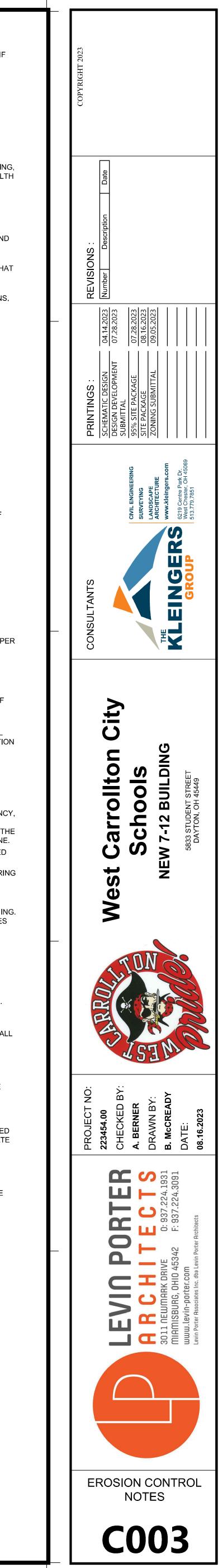
FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

CONCRETE WASH WATER/WASH OUTS

CONCRETE WASH WATER SHALL NOT BE ALLOWED TO FLOW TO STREAMS, DITCHES, STORM DRAINS, OR ANY OTHER WATER CONVEYANCE. A SUMP OR PIT WITH NO POTENTIAL FOR DISCHARGE SHALL BE CONSTRUCTED IF NEEDED TO CONTAIN CONCRETE WASH WATER. FIELD TILE OR OTHER SUBSURFACE DRAINAGE STRUCTURES WITHIN 10 FT. OF THE SUMP SHALL BE CUT AND PLUGGED. FOR SMALL PROJECTS, TRUCK CHUTES MAY BE RINSED ON THE LOT AWAY FROM ANY WATER CONVEYANCES.

PERMITTEE			
NAME	GENERAL PERMIT: _	01000003	
ADDRESS1			
ADDRESS2	NPDES PERMIT: _	XXXXXXXX	
PHONE:			
FAX:		XX/XX/XXXX	
CONTACT:	DATE OF ISSUE: _		
EMAIL:			

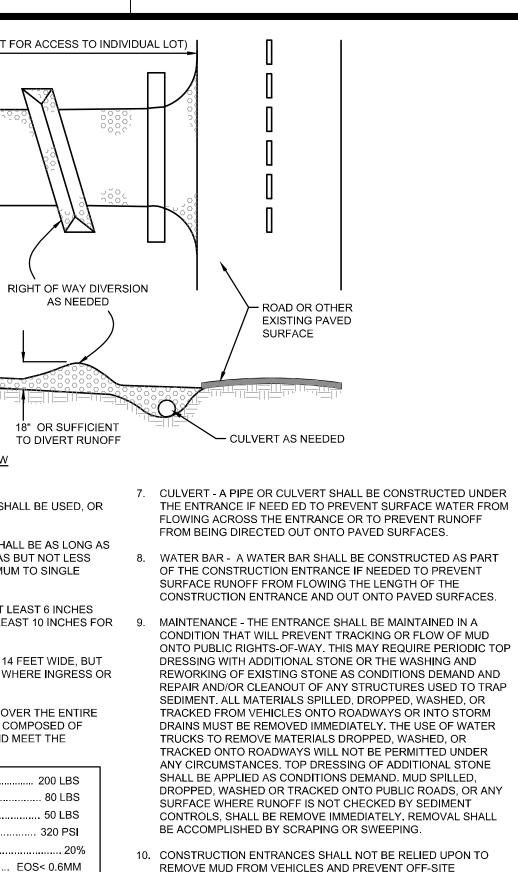


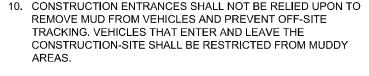
		70 FT. (OR 30 FT FOR ACCESS TO I
		14 FT MINIMUM AND NOT LESS THAN WIDTH OF INGRESS/EGRESS
		PLAN VIEW RIGHT OF WAY DIV
		PROFILE VIEW NOTES
		<ol> <li>STONE SIZE - ODOT #2 (1.5-2.5 INCH) STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT.</li> <li>LENGTH - THE CONSTRUCTION ENTRANCE SHALL BE AS LONG A REQUIRED TO STABILIZE HIGH TRAFFIC AREAS BUT NOT LESS THAN 70 FT. (EXCEPTION: APPLY 30 FT. MINIMUM TO SINGLE RESIDENCE LOTS).</li> </ol>
		<ol> <li>THICKNESS - THE STONE LAYER SHALL BE AT LEAST 6 INCHES THICK FOR LIGHT DUTY ENTRANCES OR AT LEAST 10 INCHES FO HEAVY DUTY USE.</li> <li>WIDTH - THE ENTRANCE SHALL BE AT LEAST 14 FEET WIDE, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS O</li> </ol>
		EGRESS OCCURS. 5. GEOTEXTILE - A GEOTEXTILE SHALL BE LAID OVER THE ENTIRE ARE PRIOR TO PLACING STONE. IT SHALL BE COMPOSED OF STRONG ROT-PROOF POLYMERIC FIBERS AND MEET THE FOLLOWING SPECIFICATIONS: MINIMUM TENSILE STRENGTH
		MINIMUM PUNCTURE STRENGTH
		6. TIMING - THE CONSTRUCTION ENTRANCE SHALL BE INSTALLED AS SOON AS IS PRACTICABLE BEFORE MAJOR GRADING ACTIVITIES.
		STORM SEWER GRATE
		LIFT STRAPS USED FOR EASY MOVEMENT AND INSPECTION OF UNIT
		STANDARD FABRIC IS AN ORANGE WOVEN MONOFILAMENT
		SPECI
		MECHANICAL PROPERTIESTEST METHOGRAB TENSILE STRENGTHASTM D 4632GRAB TENSILE ELONGATIONASTM D 4632PUNCTURE STRENGTHASTM D 4833MULLEN BURST STRENGTHASTM D 4833TRAPEZOID TEAR STRENGTHASTM D 4533UV RESISTENCEASTM D 4353APPARENT OPENING SIZEASTM D 4754FLOW RATEASTM D 4494PERMITTIVITYASTM D 4494
		INSTALLATION: THE EMPTY INLET PROTECTION THE GRATE STANDS ON END. IF USING OPTION PILLOW IN POUCH, ON THE BOTTOM (BELOW PILLOW TO TETHER LOOP. TUCK THE ENCLON THE GRATE. HOLDING THE LIFTING DEVICES THE ENTIRE WEIGHT OF THE GRATE), PLACE MAINTENANCE: REMOVE ALL ACCUMULATED VICINITY OF UNIT AFTER EACH STORM EVEN WITHIN THE CONTAINMENT AREA OF THE INL OIL ABSORBENTS; REMOVE AND REPLACE AND
		2 INLET PROT
_		NOTES: 1. PROTECT EXISTING TREES AND OTHER VEGETATION INDICATED TO REMAIN IN PLACE
		VEGETATION INDICATED TO REMAIN IN PLACE AGAINST UNNECESSARY CUTTING, BREAKING O SKINNING OF ROOTS, SKINNING OR BRUISING O BARK, SMOTHERING OF TREES BY STOCKPILING CONSTRUCTION MATERIALS OR EXCAVATED MATERIALS WITHIN DRIP LINE, EXCESS FOOT OF VEHICULAR TRAFFIC, OR PARKING OF VEHICLES WITHIN DRIP LINE. PROVIDE TEMPORARY GUAR TO PROTECT TREES AND AND VEGETATION TO LEFT STANDING.
		<ol> <li>SIGNAGE SHALL CLEARLY IDENTIFY THE TREE A NATURAL PRESERVATION AREA AND STATE THA NO CLEARING OR EQUIPMENT IS ALLOWED WITH IT.</li> <li>TREE AND NATURAL PRESERVATION AREA SHAL DESERVED PRIOR TO RECOMMING OF FAMILY</li> </ol>
		BE FENCED PRIOR TO BEGINNING CLEARING OPERATIONS. 4. FENCE MATERIALS SHALL BE METAL FENCE POS WITH SNOW FENCE. 5. FENCE SHALL BE PLACED AS SHOWN ON PLANS
	Before You Dig	5. FENCE SHALL BE PLACED AS SHOWN ON PLANS AND BEYOND THE DRIP LINE OR CANOPY OF TRI TO BE PROTECTED.

<u>NOTE</u> : UNDERGROUND UTILITIES ARE PLOTTED FROM A COMPILATION OF AVAILABLE RECORD INFORMATION AND SURFACE INDICATIONS OF UNDERGROUND STRUCTURES AND MAY NOT BE INCLUSIVE. PRECISE LOCATIONS AND THE EXISTENCE OR NON EXISTENCE OF UNDERGROUND UTILITIES CANNOT BE VERIFIED. PLEASE NOTIFY THE OHIO UTILITY PROTECTION SERVICE AT 811 OR 1-800-362-2764 BEFORE ANY PERIOD OF EXCAVATION OR CONSTRUCTION ACTIVITY.

6. IF ANY CLEARING IS DONE AROUND SPECIMEN TREES IT SHALL BE DONE BY CUTTING AT GROUND LEVEL WITH HAND HELD TOOLS AND SHALL NOT BE GRUBBED OR PULLED OUT. NO CLEARING SHALL BE DONE IN BUFFER STRIPS OR OTHER PRESERVED FORESTED AREAS.

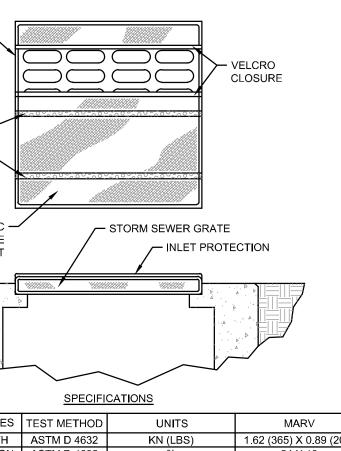






11. REMOVAL - THE ENTRANCE SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS STABILIZED OR REPLACED WITH A PERMANENT ROADWAY OR ENTRANCE.



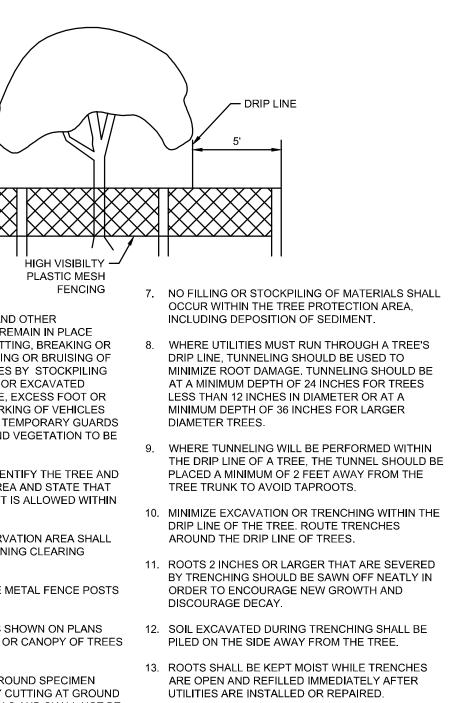


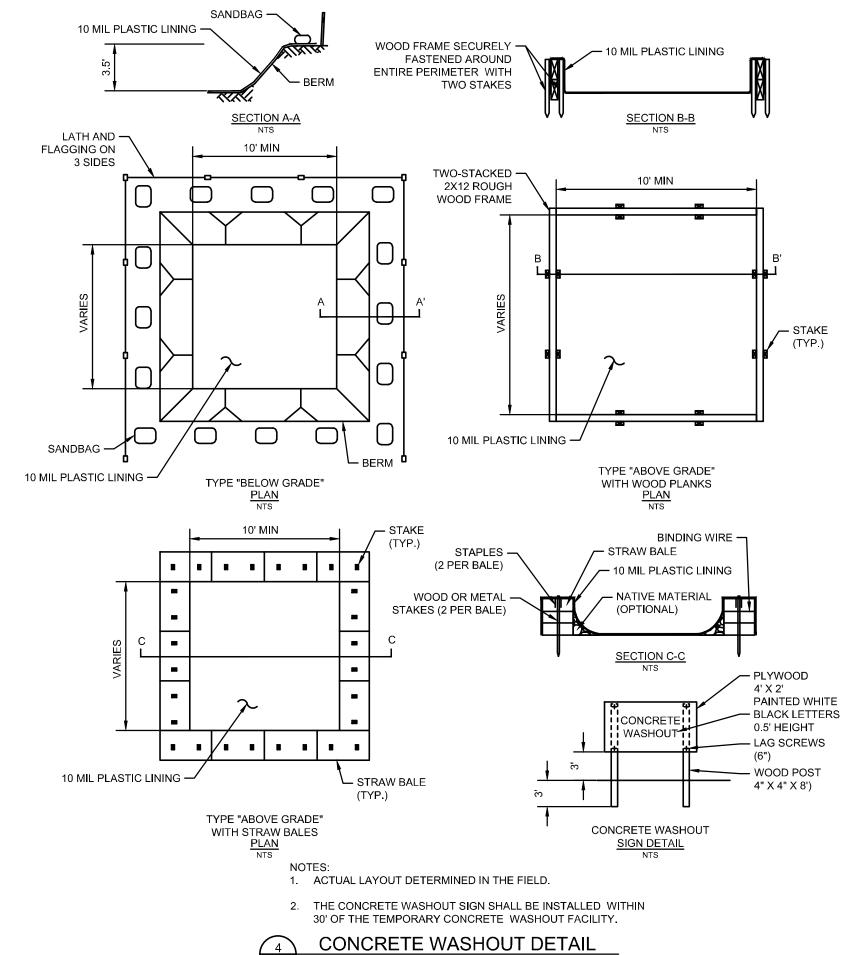
IH	ASTM D 4632	KN (LBS)	1 62 (365) X 0 89 (200)		
ION	ASTM D 4632	%	24 X 10		
ł	ASTM D 4833	KN (LBS)	0.40 (90)		
ΤH	ASTM D 3786	KPA (PSI)	3097 (450)		
GTH	ASTM D 4533	KN (LBS)	0.51 (115) X 0.33 (75)		
	ASTM D 4355	%	90		
ZE	ASTM D 4751	MM (US STD SIEVE)	0.425 (40)		
	ASTM D 4491	1/MIN/M <sup>2</sup> (GAL/MIN/FT <sup>2</sup> )	5907 (145)		
	ASTM D 4491	SEC <sup>-1</sup>	2.1		
Y INLET PROTECTION SHOULD BE PLACED OVER THE GRATE AS					

ND. IF USING OPTIONAL OIL ABSORBENTS: PLACE ABSORBENT BOTTOM (BELOW-GRADE SIDE) OF THE UNIT. ATTACH ABSORBENT TUCK THE ENCLOSURE FLAP INSIDE TO COMPLETELY ENCLOSE LIFTING DEVICES (DO NOT RELY ON LIFTING DEVICES TO SUPPORT E GRATE), PLACE THE GRATE INTO ITS FRAME. LL ACCUMULATED SEDIMENT AND DEBRIS FROM SURFACE AND

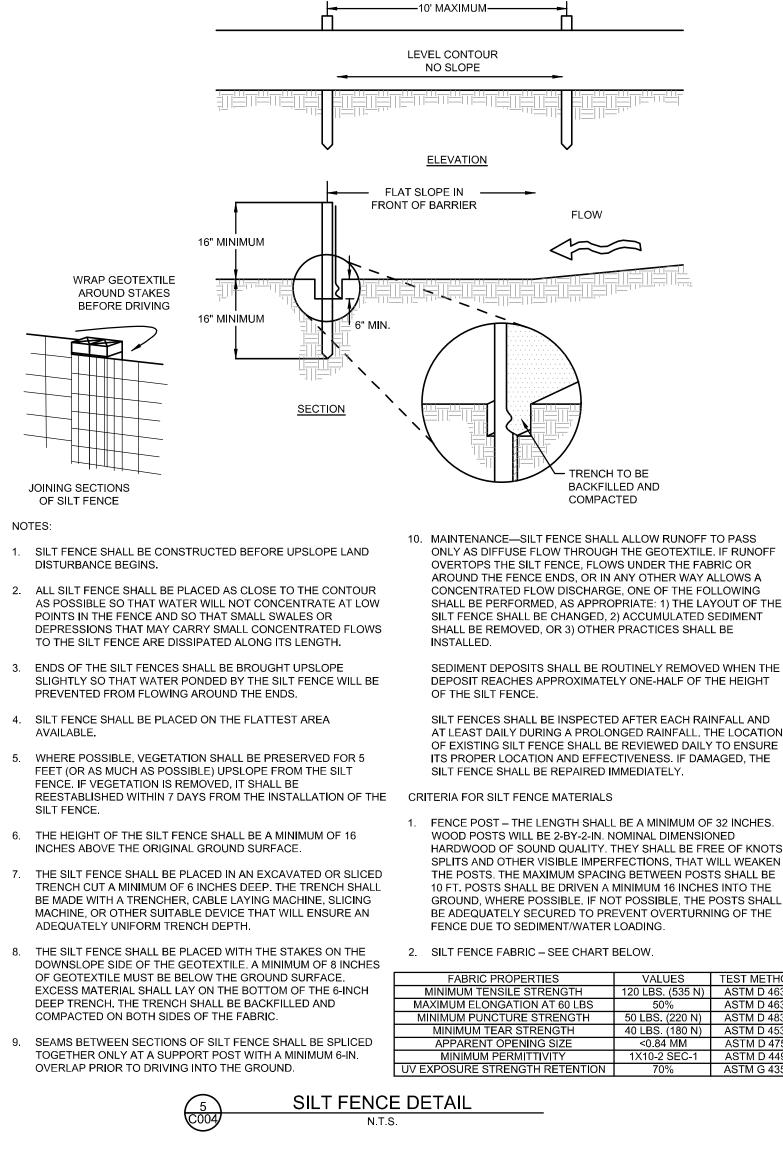
ACH STORM EVENT. REMOVE SEDIMENT THAT HAS ACCUMULATED AREA OF THE INLET PROTECITON AS NEEDED. IF USING OPTIONAL AND REPLACE ABSORBENT PILLOW WHEN NEAR SATURATION.

ET PROTECTION DETAIL





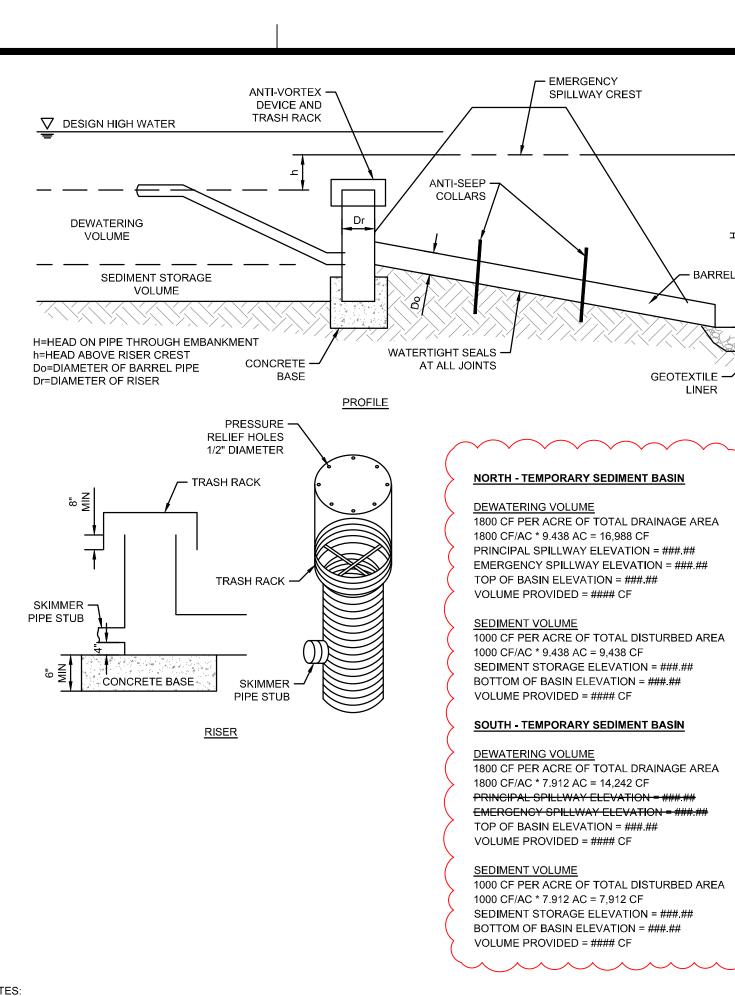
N.T.S.



TREE PROTECTION DETAIL

- FLOW
- RENCH TO BE BACKFILLED AND COMPACTED 10. MAINTENANCE—SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER THE FABRIC OR AROUND THE FENCE ENDS. OR IN ANY OTHER WAY ALLOWS A
- CONCENTRATED FLOW DISCHARGE, ONE OF THE FOLLOWING SHALL BE PERFORMED, AS APPROPRIATE: 1) THE LAYOUT OF THE SILT FENCE SHALL BE CHANGED, 2) ACCUMULATED SEDIMENT SHALL BE REMOVED, OR 3) OTHER PRACTICES SHALL BE
- SEDIMENT DEPOSITS SHALL BE ROUTINELY REMOVED WHEN THE DEPOSIT REACHES APPROXIMATELY ONE-HALF OF THE HEIGHT
- SILT FENCES SHALL BE INSPECTED AFTER EACH RAINFALL AND AT LEAST DAILY DURING A PROLONGED RAINFALL. THE LOCATION OF EXISTING SILT FENCE SHALL BE REVIEWED DAILY TO ENSURE ITS PROPER LOCATION AND EFFECTIVENESS. IF DAMAGED, THE SILT FENCE SHALL BE REPAIRED IMMEDIATELY.
- 1. FENCE POST THE LENGTH SHALL BE A MINIMUM OF 32 INCHES. WOOD POSTS WILL BE 2-BY-2-IN. NOMINAL DIMENSIONED HARDWOOD OF SOUND QUALITY. THEY SHALL BE FREE OF KNOTS, SPLITS AND OTHER VISIBLE IMPERFECTIONS. THAT WILL WEAKEN THE POSTS. THE MAXIMUM SPACING BETWEEN POSTS SHALL BE 10 FT. POSTS SHALL BE DRIVEN A MINIMUM 16 INCHES INTO THE
- BE ADEQUATELY SECURED TO PREVENT OVERTURNING OF THE ABRIC PROPERTIES VALUES TEST METHOD

RENGTH	120 LBS. (535 N)	ASTM D 4632
AT 60 LBS	50%	ASTM D 4632
TRENGTH	50 LBS. (220 N)	ASTM D 4833
ENGTH	40 LBS. (180 N)	ASTM D 4533
G SIZE	<0.84 MM	ASTM D 4751
VITY	1X10-2 SEC-1	ASTM D 4491
RETENTION	70%	ASTM G 4355



- NOTES 1. SEDIMENT BASINS SHALL BE CONSTRUCTED AND OPERATIONAL BEFORE UPSLOPE LAND DISTURBANCE BEGINS.
- 2. SITE PREPARATION THE AREA UNDER THE EMBANKMENT SHALL BE CLEARED, GRUBBED, AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED AS NEEDED TO FACILITATE SEDIMENT CLEANOUT. GULLIES AND SHARP BREAKS SHALL BE SLOPED TO NO STEEPER THAN 1:1. THE SURFACE OF THE FOUNDATION AREA WILL BE THOROUGHLY SCARIFIED BEFORE PLACEMENT OF THE EMBANKMENT MATERIAL
- 3. CUT-OFF TRENCH THE CUTOFF TRENCH SHALL BE EXCAVATED ALONG THE CENTERLINE OF THE EMBANKMENT. THE MINIMUM DEPTH SHALL BE 3 FT. UNLESS SPECIFIED DEEPER ON THE PLANS OR AS A RESULT OF SITE CONDITIONS. THE MINIMUM BOTTOM WIDTH SHALL BE 4 FT BUT WIDE ENOUGH TO PERMIT OPERATION OF COMPACTION. EQUIPMENT. THE TRENCH SHALL BE KEPT FREE OF STANDING WATER DURING BACKFILL OPERATIONS.
- 4. EMBANKMENT THE FILL MATERIAL SHALL BE FREE OF ALL SOD, ROOTS, FROZEN SOIL, STONES OVER 6 IN. IN DIAMETER, AND OTHER OBJECTIONABLE MATERIAL. THE PLACING AND SPREADING OF THE FILL MATERIAL SHALL BE STARTED AT THE LOWEST POINT OF THE FOUNDATION AND THE FILL SHALL BE BROUGHT UP IN APPROXIMATELY 6 IN. HORIZONTAL LAYERS OR OF SUCH THICKNESS THAT THE REQUIRED COMPACTION CAN BE OBTAINED WITH THE EQUIPMENT USED. CONSTRUCTION EQUIPMENT SHALL BE OPERATED OVER EACH LAYER IN A WAY THAT WILL RESULT IN THE REQUIRED COMPACTION. SPECIAL EQUIPMENT SHALL BE USED WHEN THE REQUIRED COMPACTION CANNOT BE OBTAINED WITHOUT IT. THE MOISTURE CONTENT OF FILL MATERIAL SHALL BE SUCH THAT THE REQUIRED DEGREE OF COMPACTION CAN BE OBTAINED WITH THE EQUIPMENT USED.
- 5. PIPE SPILLWAY THE PIPE CONDUIT BARREL SHALL BE PLACED ON A FIRM FOUNDATION TO THE LINES AND GRADES SHOWN ON THE PLANS. CONNECTIONS BETWEEN THE RISER AND BARREL, THE ANTISEEP COLLARS AND BARREL AND ALL PIPE JOINTS SHALL BE WATERTIGHT SELECTED BACKFILL MATERIAL SHALL BE PLACED AROUND THE CONDUIT IN LAYERS AND EACH LAYER SHALL BE COMPACTED TO AT LEAST THE SAME DENSITY AS THE ADJACENT EMBANKMENT. ALL COMPACTION WITHIN 2 FT. OF THE PIPE SPILLWAY WILL BE ACCOMPLISHED WITH HAND-OPERATED TAMPING EQUIPMENT.
- 6. RISER PIPE BASE -THE RISER PIPE SHALL BE SET A MINIMUM OF 6 IN. IN THE CONCRETE BASE. 7. TRASH RACKS - THE TOP OF THE RISER SHALL BE FITTED WITH TRASH
- RACKS FIRMLY FASTENED TO THE RISER PIPE. 8. EMERGENCY SPILLWAY - THE EMERGENCY SPILLWAY SHALL BE CUT IN

NOTES:

1. ALL JOINTS OF THE FLOATATION

WATERTIGHT.

SECTION SHALL BE GLUED TOGETHER

-FOR CORRUGATED METAL RISER, STUB

-FOR CONCRETE RISER, STUB SHALL BE

SCHEDULE 40 PVC PIPE GROUTED TO

DRAIN PIPE SHALL BE ATTACHED TO

4. ORIFICE IS TO BE SIZED FOR A MINIMUM

STUB WITH WATERTIGHT CONNECTIONS.

FRONT VIEW

OUTLET STRUCTURE DEWATERING

END CAP 🕂

END CAP

FLEXIBLE DRAIN PIPE -

**SKIMMER DEWATERING DEVICE DETAIL** 

AND WATERTIGHT. JOINTS OF THE

SKIMMER SECTION NEED NOT BE

2. TO INSTALL DEWATERING PIPE STUB:

TACK WELDED TO CREATE A

CREATE WATERTIGHT SEAL.

3. FLEXIBLE, NON-PERFORATED HDPE

48-HOUR DEWATERING TIME.

ORIFICE DRILLED

IN END CAP

(SEE NOTE 4)

WATERTIGHT SEAL.

SHALL BE SCHEDULE 40 STEEL PIPE

- UNDISTURBED GROUND. ACCURATE CONSTRUCTION OF THE SPILLWAY ELEVATION AND WIDTH IS CRITICAL AND SHALL BE WITHIN A TOLERANCE OF 0.2 FT.
- 8. AFTER THE ENTIRE CONSTRUCTION PROJECT IS COMPLETED, TEMPORARY SEDIMENT BASINS SHOULD BE DEWATERED AND REGRADED TO CONFORM TO THE CONTOURS OF THE AREA. ALL TEMPORARY STRUCTURES SHOULD BE REMOVED AND THE AREA SEEDED, MULCHED AND STABILIZED AS NECESSARY.

CONNECTION

STRA

PVC TEE

WIRE -

PVC PIPE -

PVC END —

✓ #4 REBAR GUIDE POST

- #57 STONE PAD

ABBBB

WITH WIRE STOP AT

TOP OF RISER

CAP (TYP.)

STOP

(TYP.)

- DRAINAGE IS NOT CAUSING EROSION AND THAT OUTLETS ARE NOT CLOGGED. REPLACE DISPLACED RIPRAP IMMEDIATELY.
- ON A CLEANOUT STAKE NEAR THE CENTER OF THE BASIN. 7. CHECK SPILLWAY OUTLETS AND POINTS OF INFLOW TO ENSURE
- 6. REMOVE SEDIMENT FROM BASIN WHEN IT FILLS THE DESIGN DEPTH OF
- THE SEDIMENT STORAGE ZONE. THIS ELEVATION SHALL BE MARKED

- ACCUMULATE IN THE POND.

- AREAS OF THE EMBANKMENT.
- REMOVE TRASH AND DEBRIS THAT MAY BLOCK SPILLWAYS AND

- 4. PROMPTLY REMOVE ANY BURROWING RODENTS THAT MAY INVADE

SHALL BE PLACED SO THAT IT WILL NOT ERODE.

FROM THE BASIN SHALL BE STABILIZED.

THAN 7 DAYS

**OPERATION & MAINTENANCE:** 

SPILLWAY AREAS.

SEEDING.

- WALL OF OUTLET

STRUCTURE

DRAIN PIPE

- WATER-TIGHT

<u>PLAN VIEW</u>

 $\nabla$ 

SIDE VIEW

CONNECTIONS

└── WATER-TIGHT

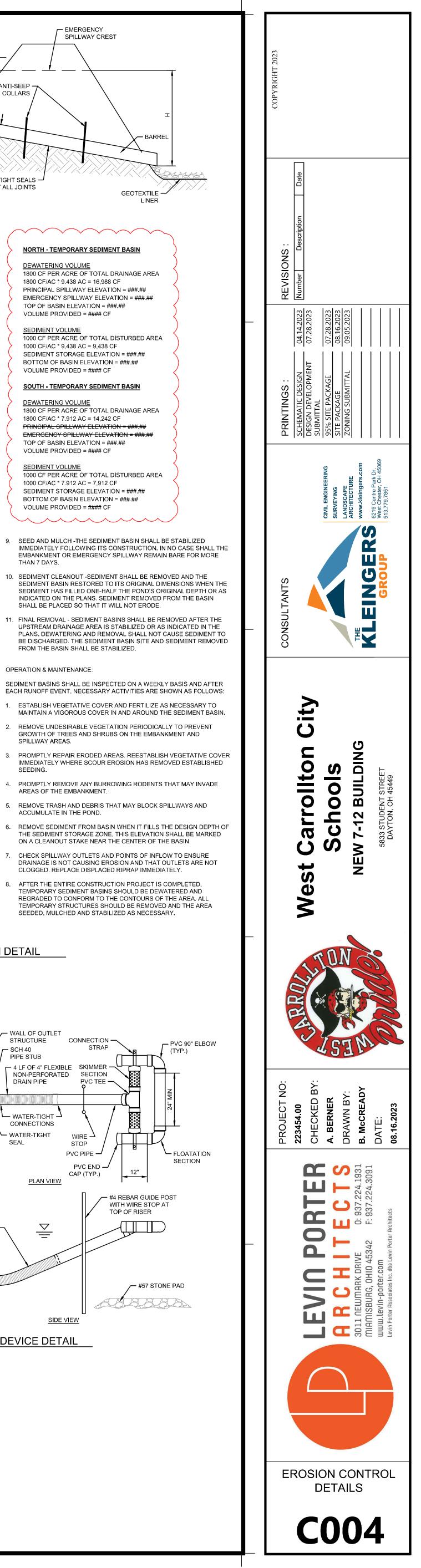
SEAL

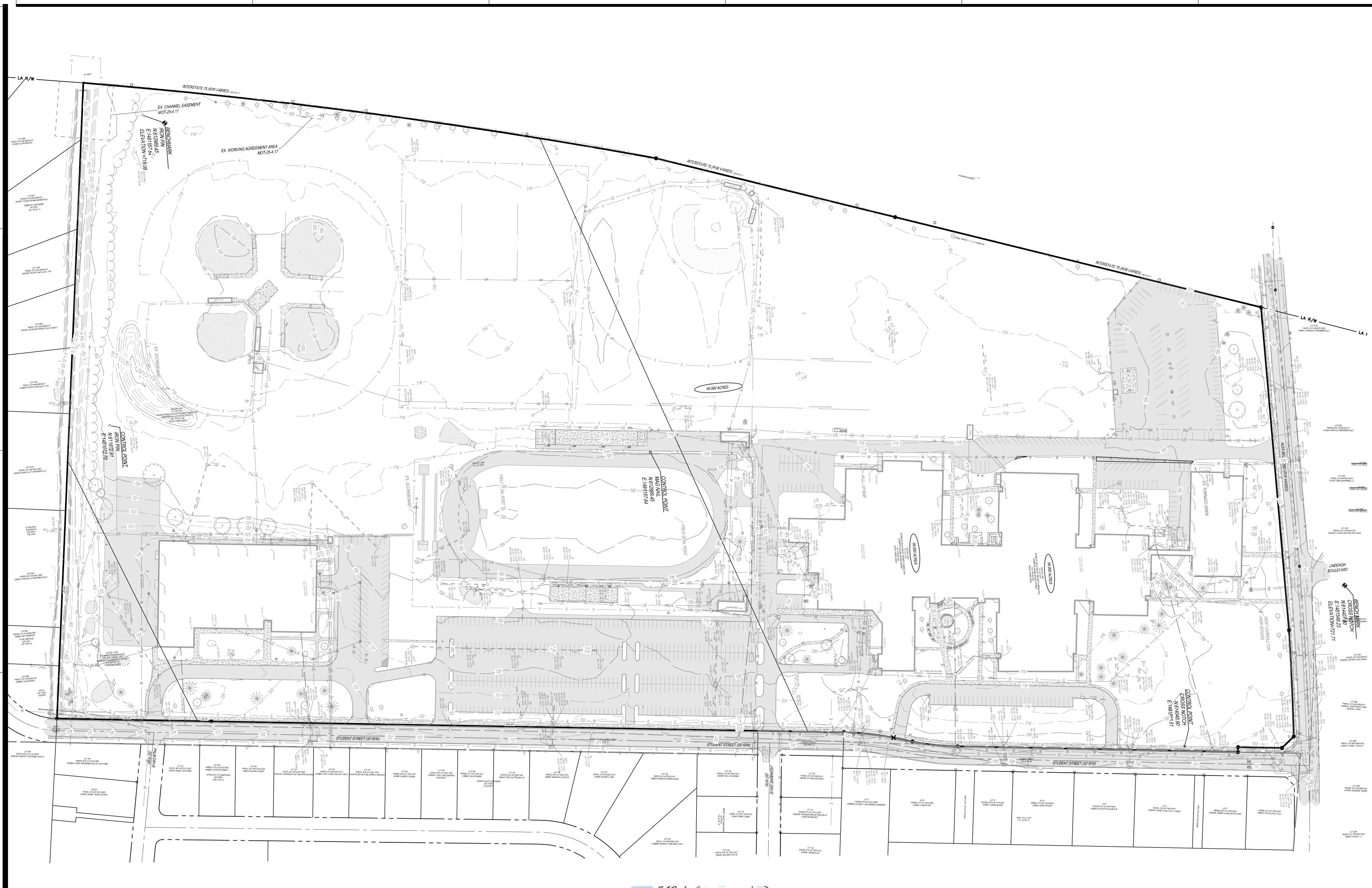
- 4 LF OF 4" FLEXIBLE SKIMMER ·

NON-PERFORATED SECTION

- SCH 40

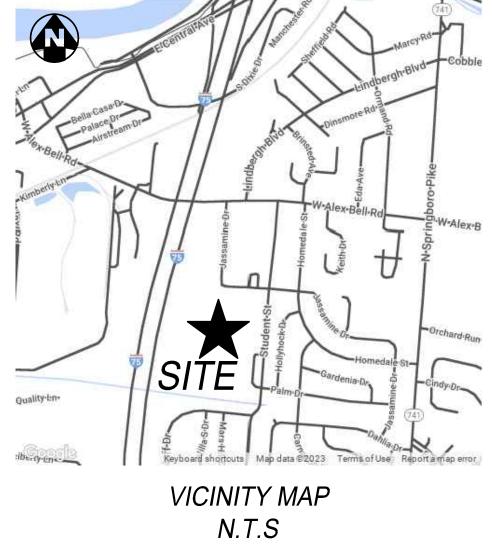
PIPE STUB







COMPILATION OF AVAILABLE RECORD INFORMATION AND SURFACE INDICATIONS OF UNDERGROUND STRUCTURES AND MAY NOT BE INCLUSIVE. PRECISE LOCATIONS AND THE EXISTENCE OR NON EXISTENCE OF UNDERGROUND UTILITIES CANNOT BE VERIFIED. PLEASE NOTIFY THE OHIO UTILITY PROTECTION SERVICE AT 811 OR 1-800-362-2764 BEFORE ANY PERIOD OF EXCAVATION OR CONSTRUCTION ACTIVITY.



# <u>LEGEND</u>

- O IRON PIN FOUND (SIZE AS NOTED
- PIPE FOUND (SIZE AS NOTED) ) SANITARY MANHOLE
- CLEAN OUT
- UNKNOWN MANHOLE
- M YARD DRAIN
- Image: Storm Manhole
- CATCH BASIN INLET
- E ELECTRIC METER
- **TRANSFORMER**
- PB PULL BOX
- E ELECTRIC MANHOLE -O- UTILITY POLE
- $\leftarrow$  GUY WIRE
- $\dot{\bigtriangledown}$  BOLLARD

LAMP POST

- ightarrow LIGHT POLE
- ---- SINGLE SIGN POST @ GUARD POST
- G GAS METER
- ैं GAS VALVE
- T TELEPHONE MANHOLE
- T TELEPHONE BOX
- ∀ FIRE HYDRANT
- WATER MANHOLE
- 💮 WATER VALVE 🗄 IRRIGATION CONTROL VALVE
- 🖁 FLAG POLE
- 🗟 BASKETBALL GOAL
- MB MAILBOX
- 💢 FENCE POST
- . TREE LINE
- ------ FENCE LINE

### G G GAS LINE (PER RECORD) W WATERLINE (PER RECORD)

- IRRIGATION LINE (PER RECORD
- OVERHEAD UTILITY = = = = STORM SEWER

 $\rightarrow$ 

0

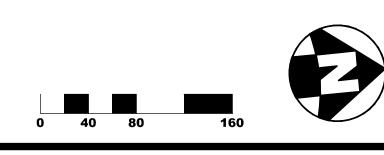
# DECIDUOUS TREE

- CONCRETE
- UE UNDERGROUND ELECTRIC (PER RECORD)
- SANITARY SEWER
  - CONIFEROUS TREE

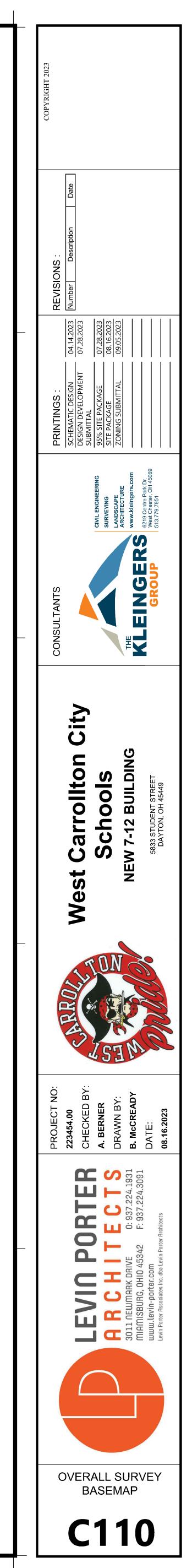
- ASPHALT
- + + + + LANDSCAPE
  - GRAVEL

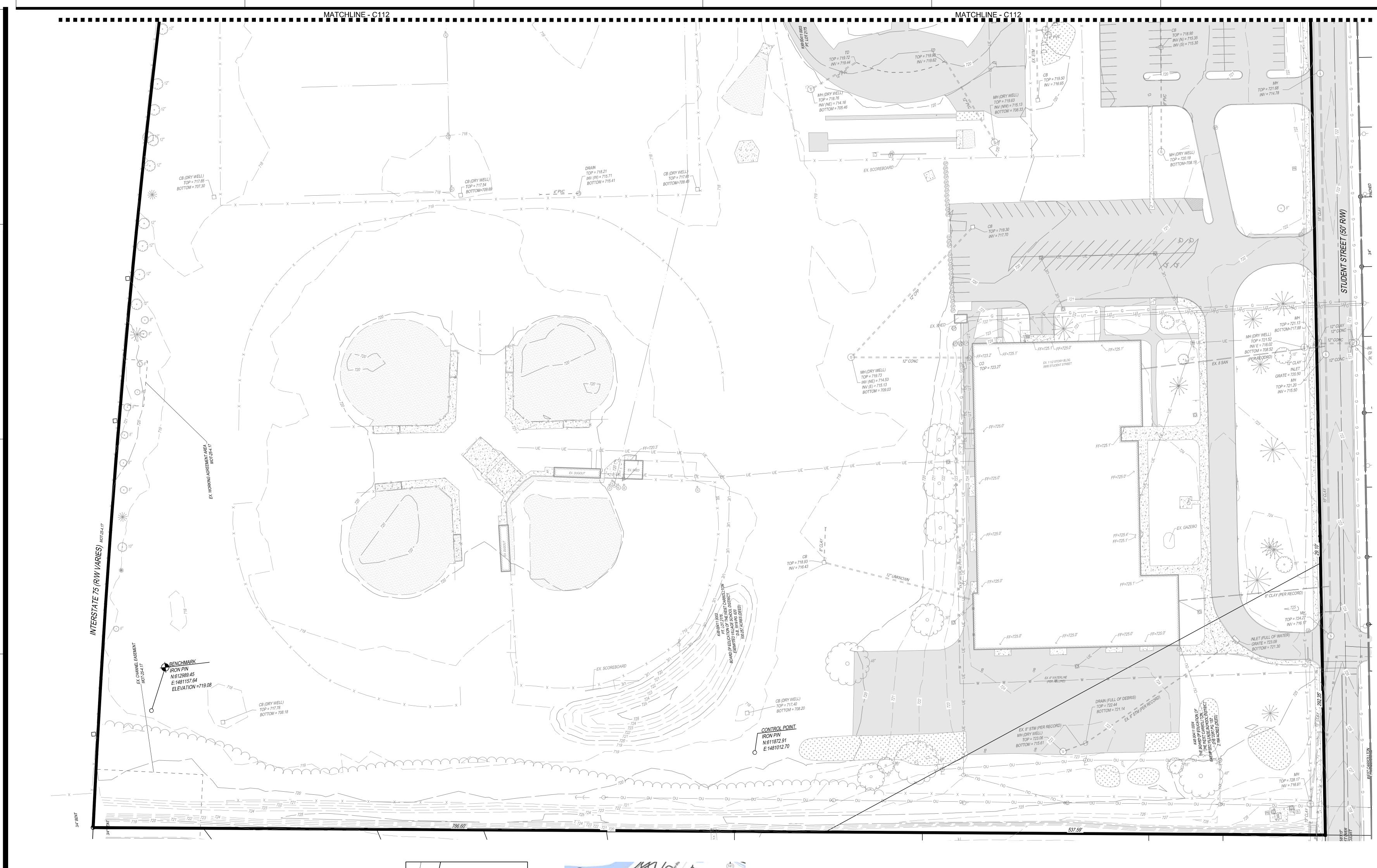
# <u>NOTES:</u>

- 1. SOURCE DOCUMENTS AS NOTED.
- 2. OCCUPATION IN GENERAL FITS SURVEY.
- 3. MONUMENTATION IS IN GOOD CONDITION UNLESS OTHERWISE NOTED.
- ALL IRON PINS SET ARE 5/8" DIAMETER x 30" IRON REBAR WITH ID CAP STAMPED "KLEINGERS". 5. BEARINGS ARE BASED ON OHIO STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, AS DERIVED FROM THE
- OHIO DEPARTMENT OF TRANSPORTATION'S VIRTUAL REFERENCE STATIONING (VRS). (NAD '83 2011) 6. ELEVATIONS ARE BASED ON NAVD '88, AS DERIVED FROM THE OHIO DEPARTMENT OF TRANSPORTATION'S
- VIRTUAL REFERENCE STATIONING (VRS).
- 7. SITE BENCHMARK AS SHOWN HEREON.





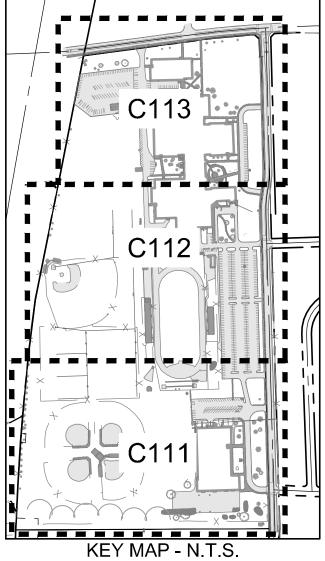


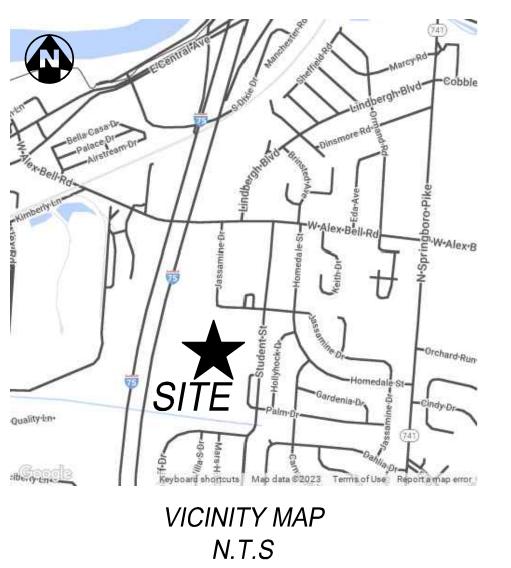




COMPILATION OF AVAILABLE RECORD INFORMATION AND SURFACE INDICATIONS OF UNDERGROUND STRUCTURES AND MAY NOT BE INCLUSIVE. PRECISE LOCATIONS AND THE EXISTENCE OR NON EXISTENCE OF UNDERGROUND UTILITIES CANNOT BE VERIFIED. PLEASE NOTIFY THE OHIO UTILITY PROTECTION SERVICE AT 811 OR 1-800-362-2764 BEFORE ANY PERIOD OF EXCAVATION OR CONSTRUCTION ACTIVITY.

Ĩ 





# <u>LEGEND</u>

- O IRON PIN FOUND (SIZE AS NOTED)
- PIPE FOUND (SIZE AS NOTED) ) SANITARY MANHOLE
- CLEAN OUT
- UNKNOWN MANHOLE
- M YARD DRAIN
- STORM MANHOLE
- CATCH BASIN
- INLET E ELECTRIC METER
- **TRANSFORMER**
- PULL BOX
- E ELECTRIC MANHOLE
- -O- UTILITY POLE
- ← GUY WIRE
- $\dot{
  abla}$  BOLLARD

- 🔯 LAMP POST
- $\oint$  light pole
- ---- SINGLE SIGN POST @ GUARD POST
- G GAS METER
- ै GAS VALVE
- T TELEPHONE MANHOLE
- T TELEPHONE BOX
- orall fire hydrant
- W WATER MANHOLE
- 💮 WATER VALVE
- 💿 IRRIGATION CONTROL VALVE 🖞 FLAG POLE
- 🗟 BASKETBALL GOAL
- MB MAILBOX
- 💢 FENCE POST . TREE LINE
- ------ FENCE LINE

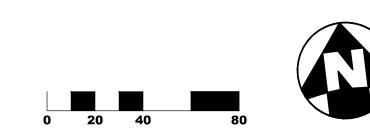
- G G GAS LINE (PER RECORD) ------ W ------ WATERLINE (PER RECORD) IRRIGATION LINE (PER RECORD) OVERHEAD UTILITY
- = = = = STORMSEWERSANITARY SEWER CONIFEROUS TREE

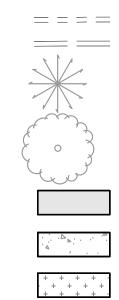
# DECIDUOUS TREE

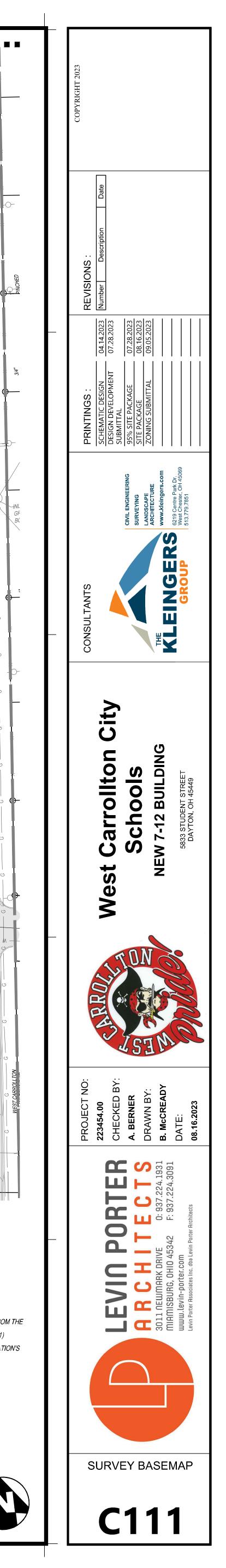
- ASPHALT
- CONCRETE
- LANDSCAPE
- GRAVEL

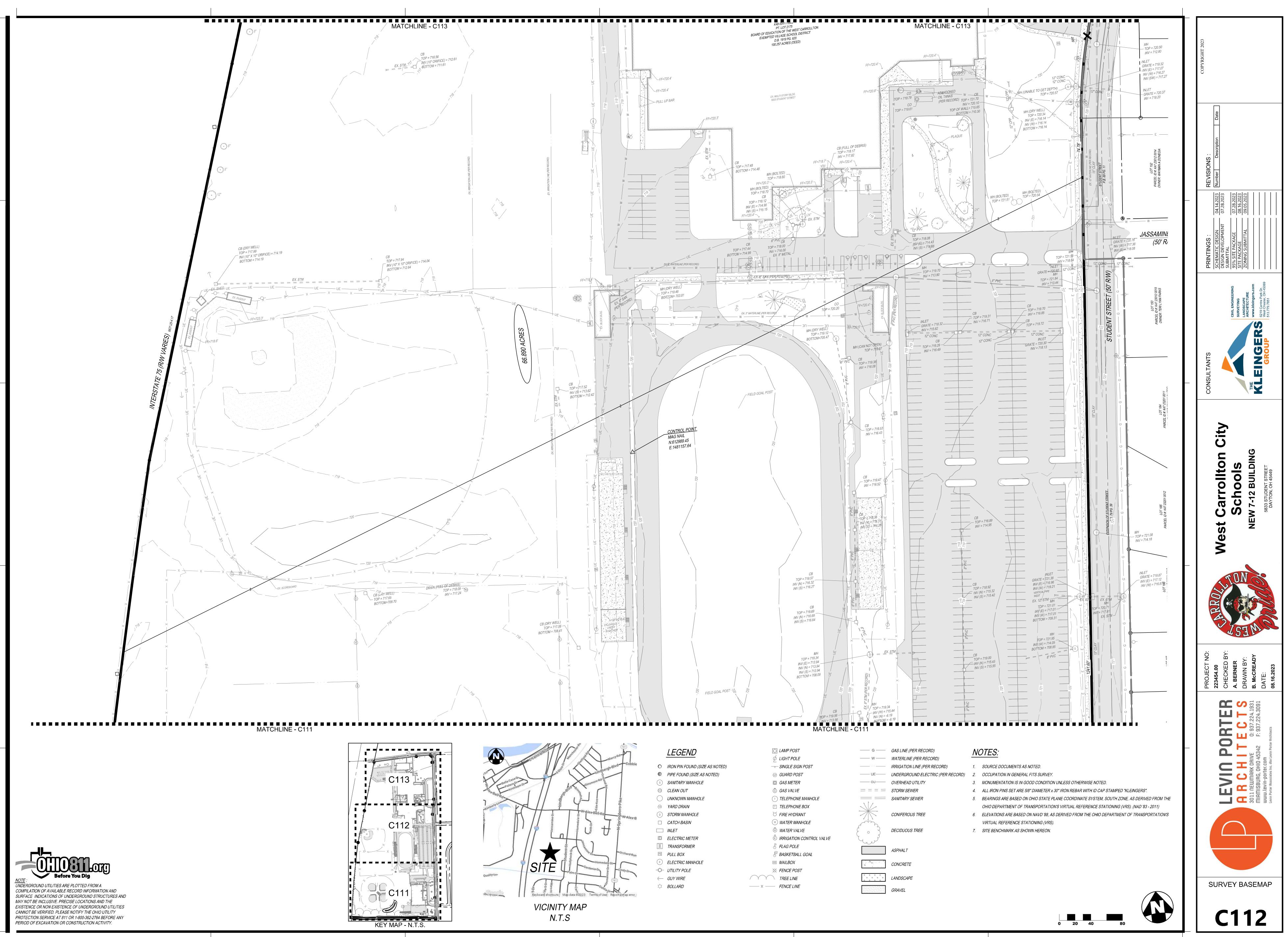
# NOTES:

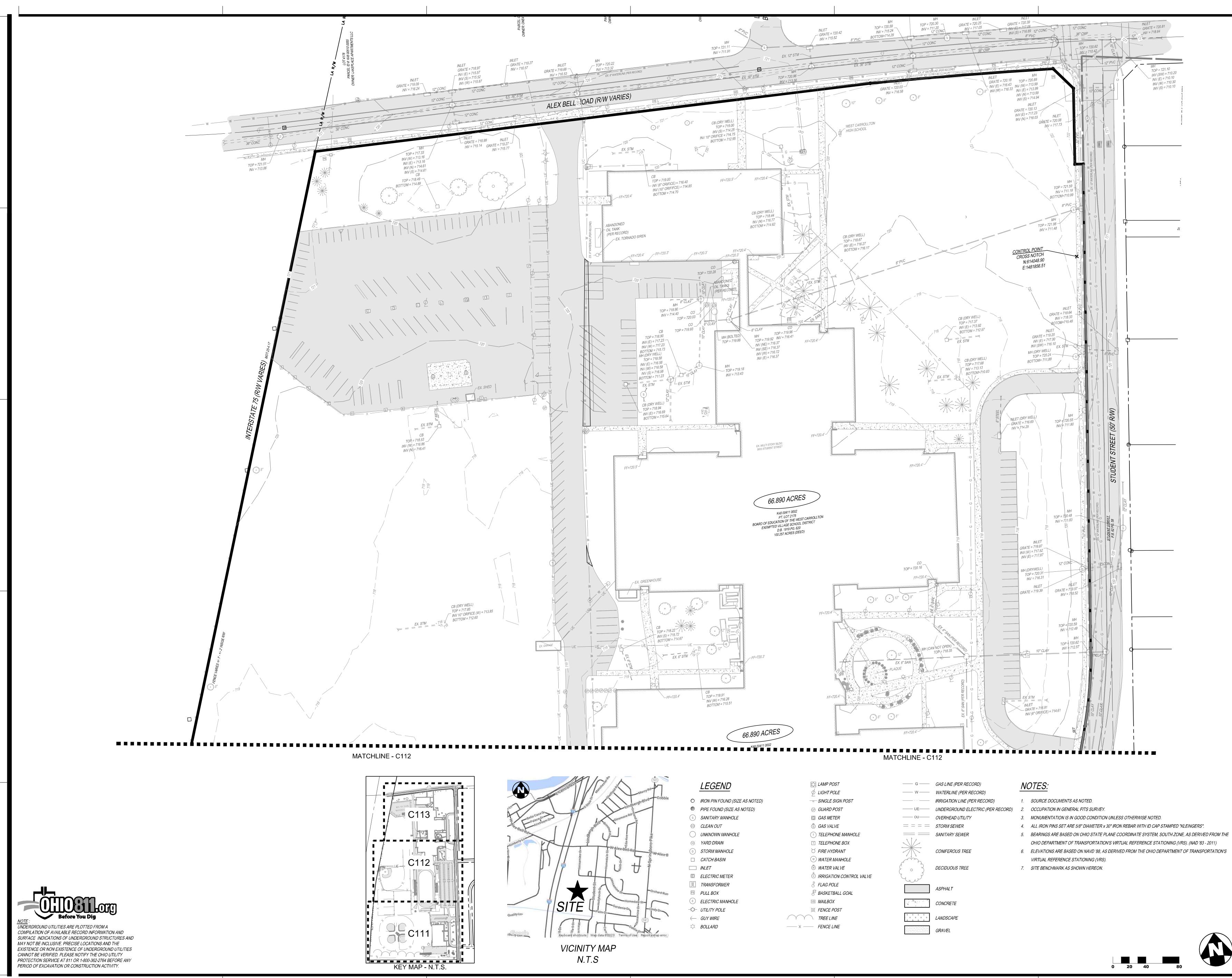
- 1. SOURCE DOCUMENTS AS NOTED.
- UE-UE-UNDERGROUND ELECTRIC (PER RECORD) 2. OCCUPATION IN GENERAL FITS SURVEY.
  - 3. MONUMENTATION IS IN GOOD CONDITION UNLESS OTHERWISE NOTED. 4. ALL IRON PINS SET ARE 5/8" DIAMETER x 30" IRON REBAR WITH ID CAP STAMPED "KLEINGERS".
  - 5. BEARINGS ARE BASED ON OHIO STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, AS DERIVED FROM THE OHIO DEPARTMENT OF TRANSPORTATION'S VIRTUAL REFERENCE STATIONING (VRS). (NAD '83 - 2011)
  - 6. ELEVATIONS ARE BASED ON NAVD '88, AS DERIVED FROM THE OHIO DEPARTMENT OF TRANSPORTATION'S VIRTUAL REFERENCE STATIONING (VRS).
  - 7. SITE BENCHMARK AS SHOWN HEREON.





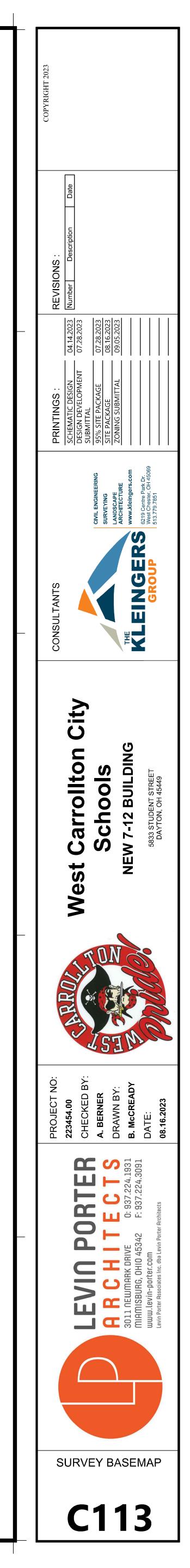


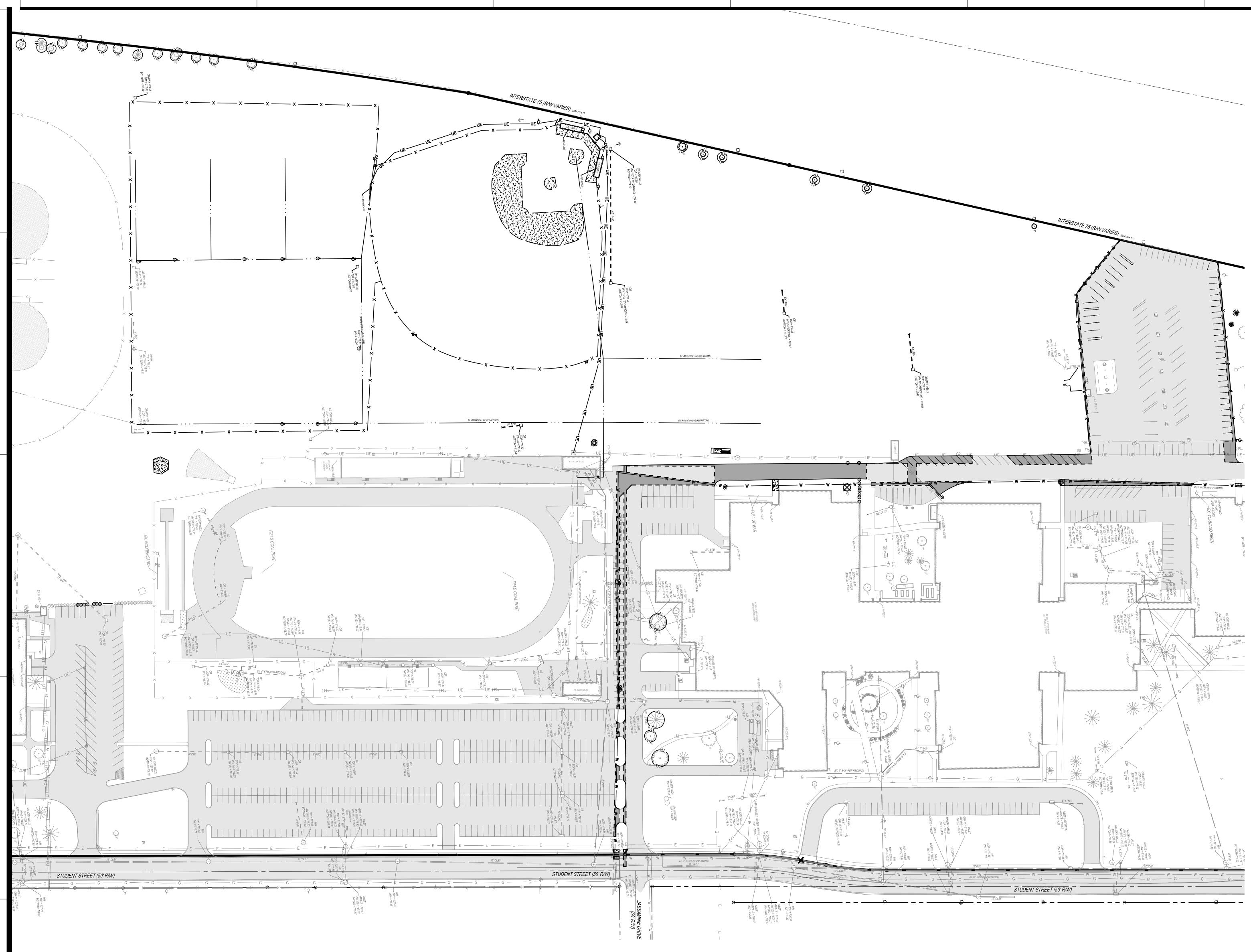






- 6. ELEVATIONS ARE BASED ON NAVD '88, AS DERIVED FROM THE OHIO DEPARTMENT OF TRANSPORTATION'S

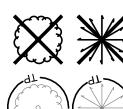






COMPILATION OF AVAILABLE RECORD INFORMATION AND SURFACE INDICATIONS OF UNDERGROUND STRUCTURES AND MAY NOT BE INCLUSIVE. PRECISE LOCATIONS AND THE EXISTENCE OR NON EXISTENCE OF UNDERGROUND UTILITIES CANNOT BE VERIFIED. PLEASE NOTIFY THE OHIO UTILITY PROTECTION SERVICE AT 811 OR 1-800-362-2764 BEFORE ANY PERIOD OF EXCAVATION OR CONSTRUCTION ACTIVITY.

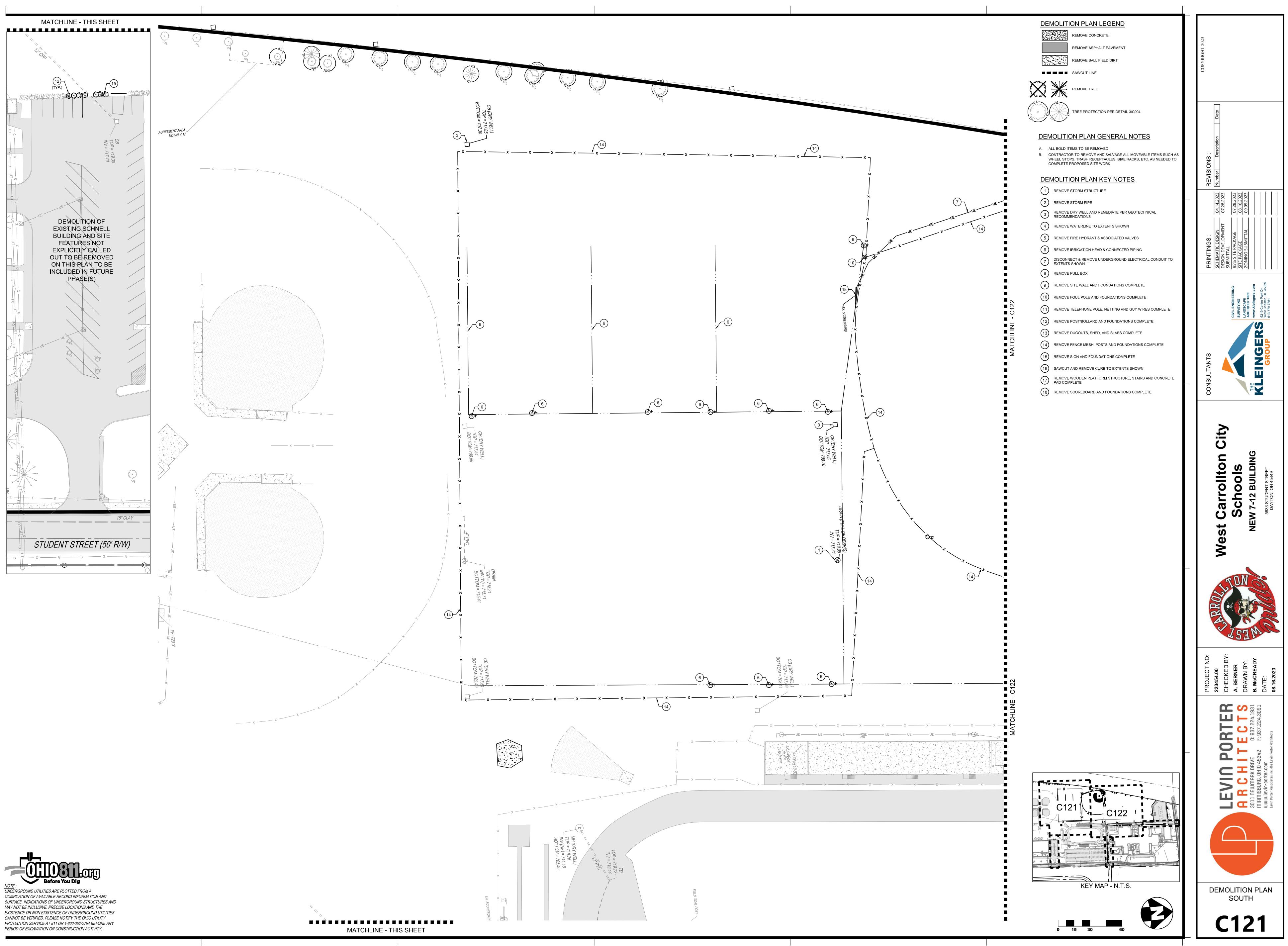
DEMOLITION PLAN LEGEND



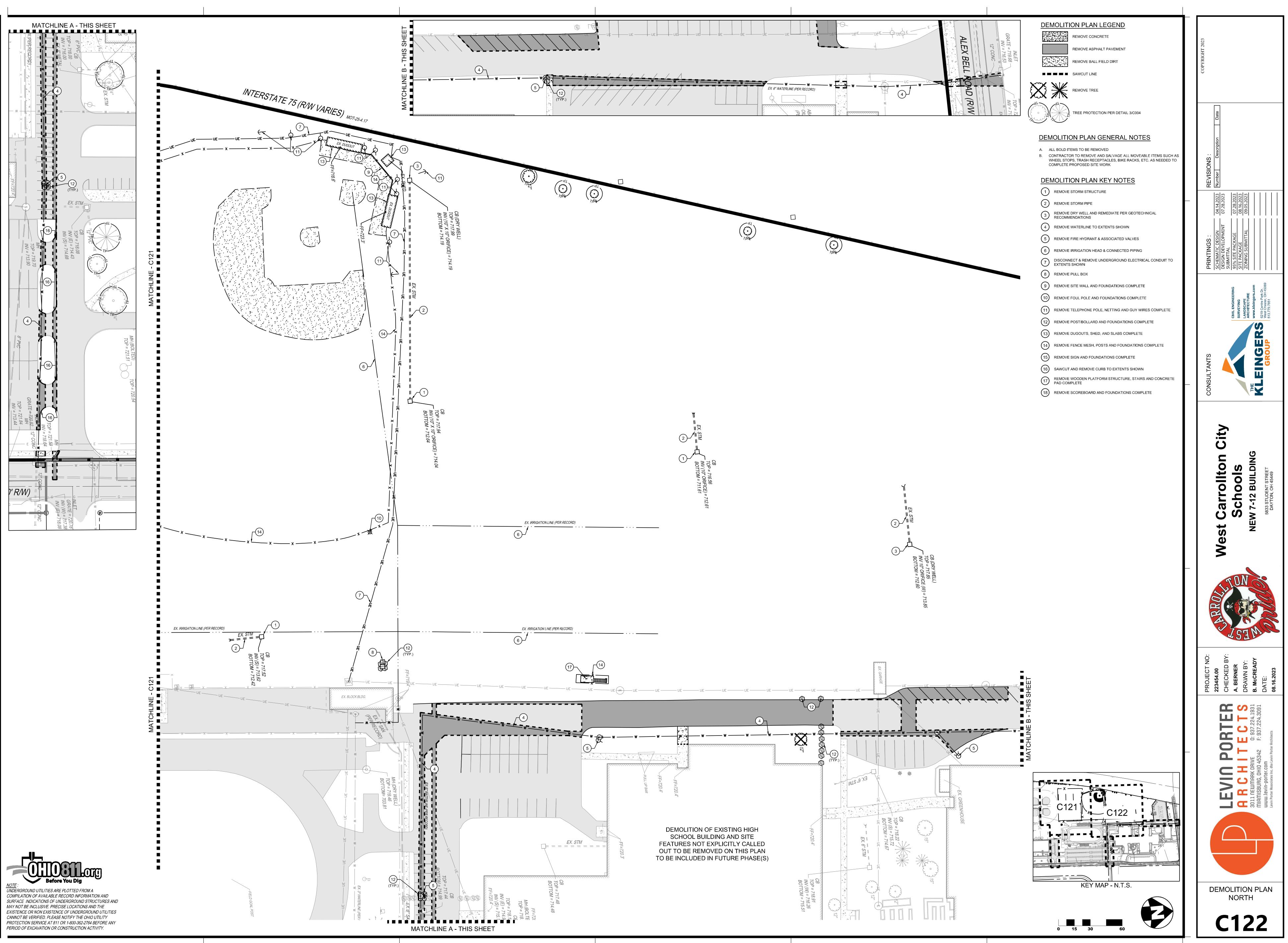
DEMOLITION PLAN GENERAL NOTES

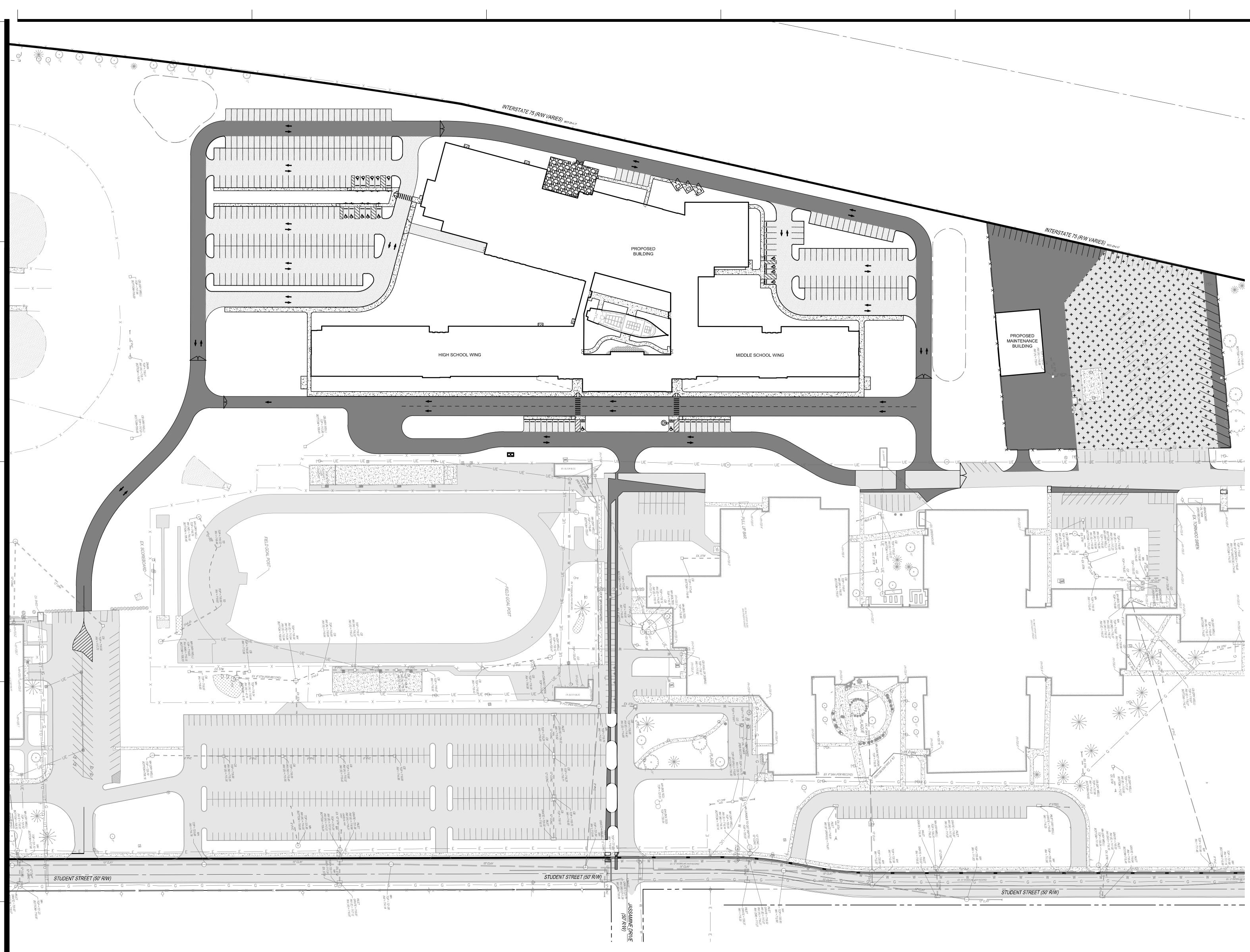
A. ALL BOLD ITEMS TO BE REMOVED













NOTE : UNDERGROUND UTILITIES ARE PLOTTED FROM A COMPILATION OF AVAILABLE RECORD INFORMATION AND SURFACE INDICATIONS OF UNDERGROUND STRUCTURES AND MAY NOT BE INCLUSIVE. PRECISE LOCATIONS AND THE EXISTENCE OR NON EXISTENCE OF UNDERGROUND UTILITIES CANNOT BE VERIFIED. PLEASE NOTIFY THE OHIO UTILITY PROTECTION SERVICE AT 811 OR 1-800-362-2764 BEFORE ANY PERIOD OF EXCAVATION OR CONSTRUCTION ACTIVITY.

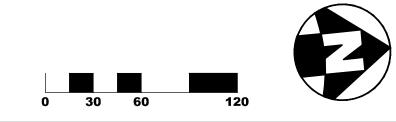
OCATION PLAN LEGEND			
	STANDARD DUTY ASPHALT PAVEMENT PER DE		
	HEAVY DUTY ASPHALT PAVEMENT PER DETAIL		
4	CONCRETE WALK PER DETAIL 6/C001		
$\bigtriangledown$	HEAVY DUTY CONCRETE PAVEMENT PER DETA		
· · · · · + · + · +	MILL AND OVERLAY EXISTING ASPHALT		
100	CATCH BASIN		
	CURB INLET		
100	YARD DRAIN		
100	HEADWALL		
	STORM MANHOLE		
	STORM SEWER CLEANOUT		
	DOWNSPOUT		
	SANITARY SEWER MANHOLE		
•	SANITARY SEWER CLEANOUT		
<b>X</b>	FIRE HYDRANT		
<b>8</b> PIV	POST INDICATOR VALVE		
oFDC	FIRE DEPARTMENT CONNECTION		

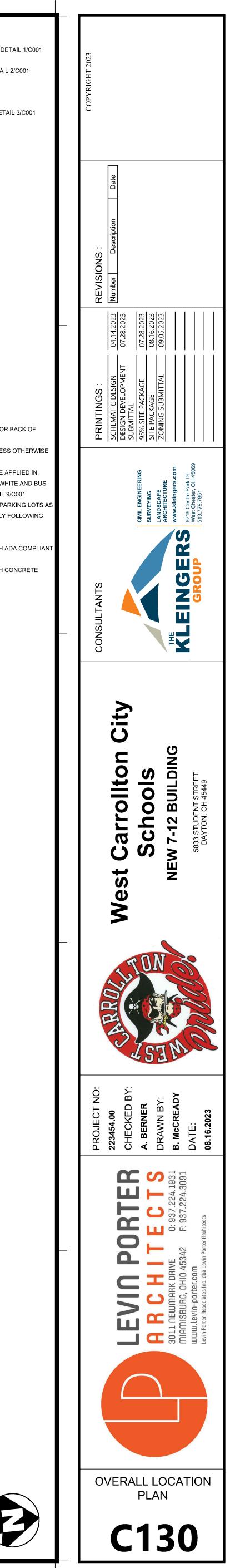
### LOCATION PLAN GENERAL NOTES:

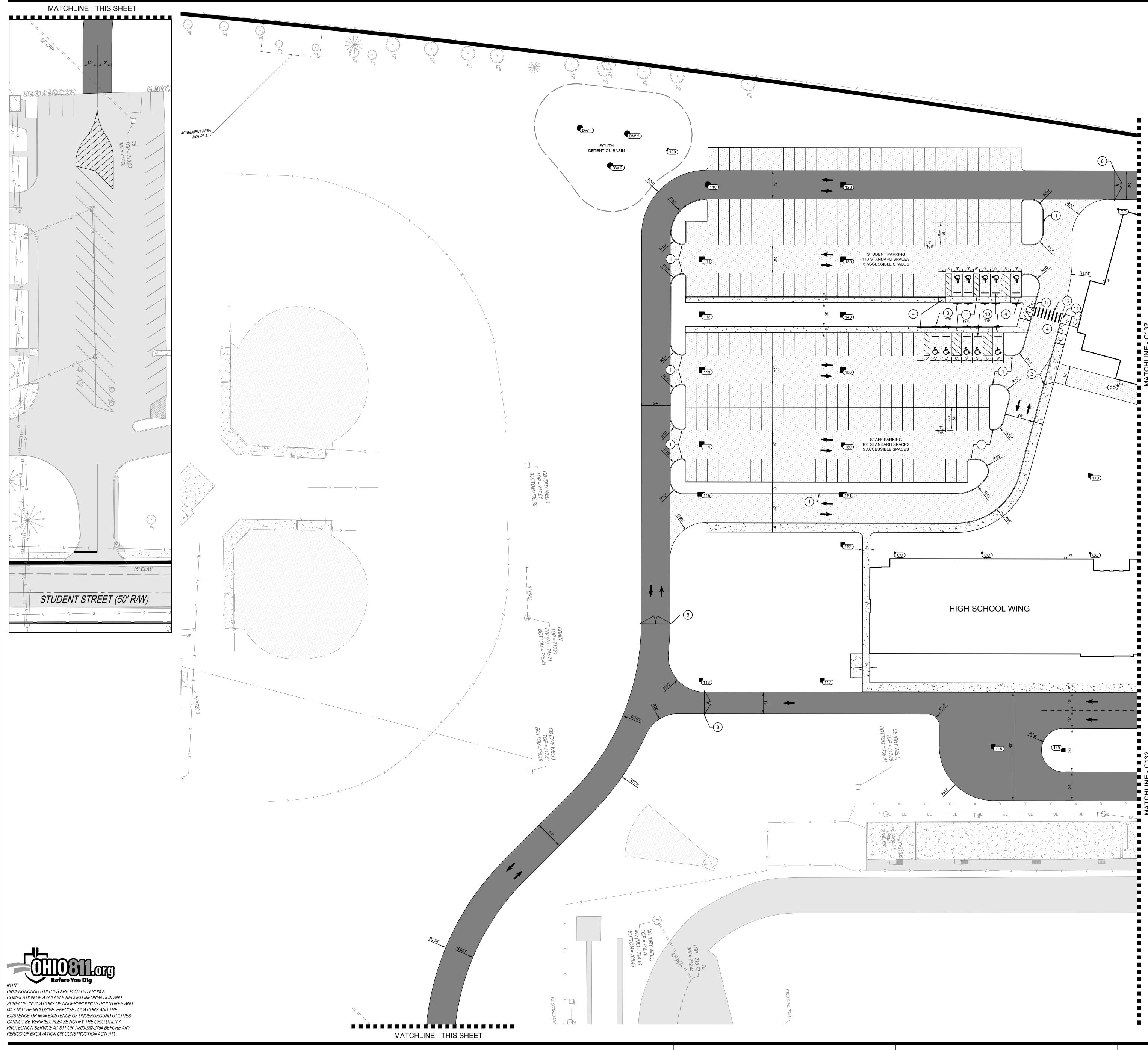
- A. ALL DIMENSIONS ARE TO THE EDGE OF PAVEMENT AND/OR BACK OF
- CURB, UNLESS OTHERWISE NOTED B. ALL STANDARD PARKING SPACES ARE TO BE 9' X 19' UNLESS OTHERWISE NOTED
- C. PARKING LOT STRIPING SHALL BE 4" WIDE HIGHWAY-TYPE APPLIED IN ACCORDANCE WITH THE PLAN. CAR STRIPING SHALL BE WHITE AND BUS STRIPING SHALL BE YELLOW. LANE MARKINGS PER DETAIL 9/C001
- D. CONTRACTOR TO STRIPE PARKING SPACES IN EXISTING PARKING LOTS AS NEEDED TO RE-ESTABLISH ORIGINAL INTENT IMMEDIATELY FOLLOWING THE REPAIR OF UTILITY TRENCHES
- E. ALL RADII TO BE 3' UNLESS OTHERWISE NOTED
  F. CATCH BASINS WITHIN PAVEMENT TO BE INSTALLED WITH ADA COMPLIANT & BICYCLE SAFE GRATES
- G. CATCH BASINS WITHIN PAVEMENT TO BE INSTALLED WITH CONCRETE APRON AND FINGER DRAINS PER DETAIL 10/C001
- PARKING COUNTS:
- BUS QUEUING
- 22 SPACES

STUDENT PARKING SOUTH

- 113STANDARD SPACES5ACCESSIBLE SPACES
- STAFF PARKING SOUTH
- 104 STANDARD SPACES 5 ACCESSIBLE SPACES
- SERVICE SPACES
- 6 STANDARD SPACES
- STAFF PARKING NORTH
- 81 STANDARD SPACES
- 4 ACCESSIBLE SPACES
- VISITOR PARKING
- STANDARD SPACES
   ACCESSIBLE SPACES
- 338 TOTAL CAR PARKING SPACES

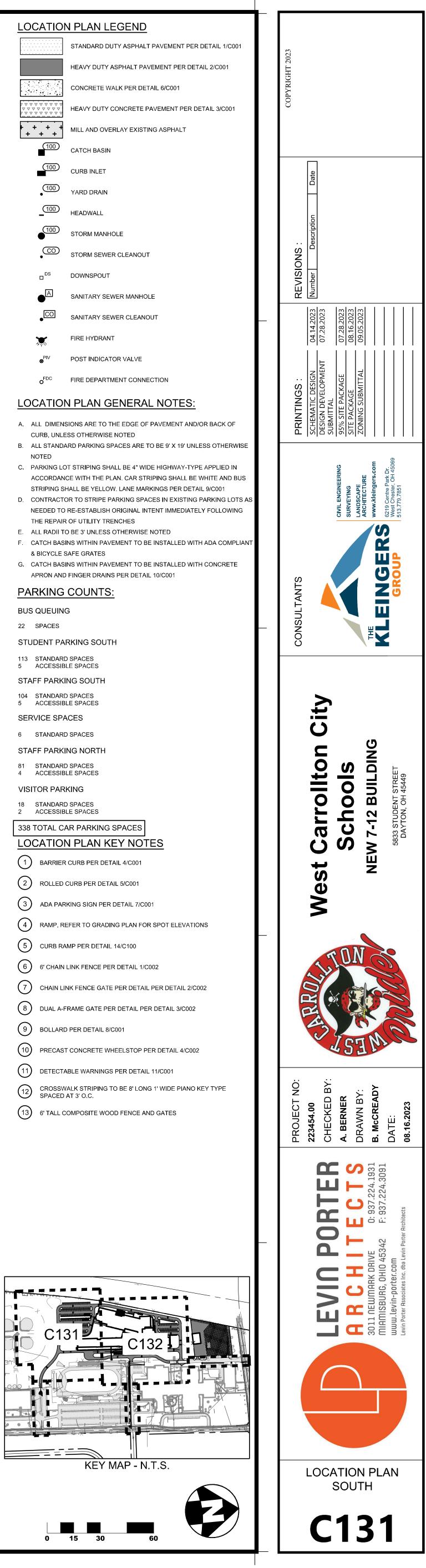


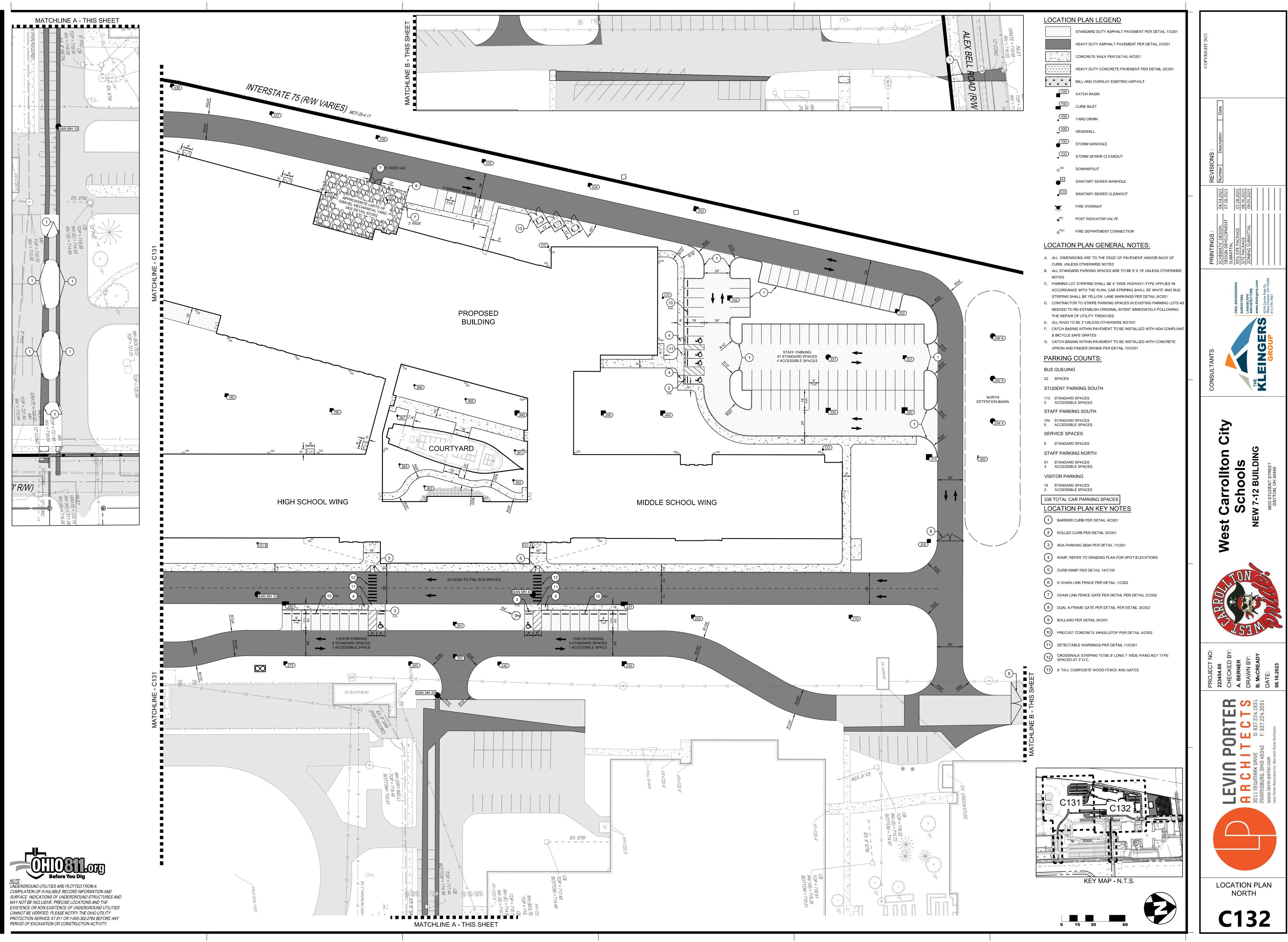


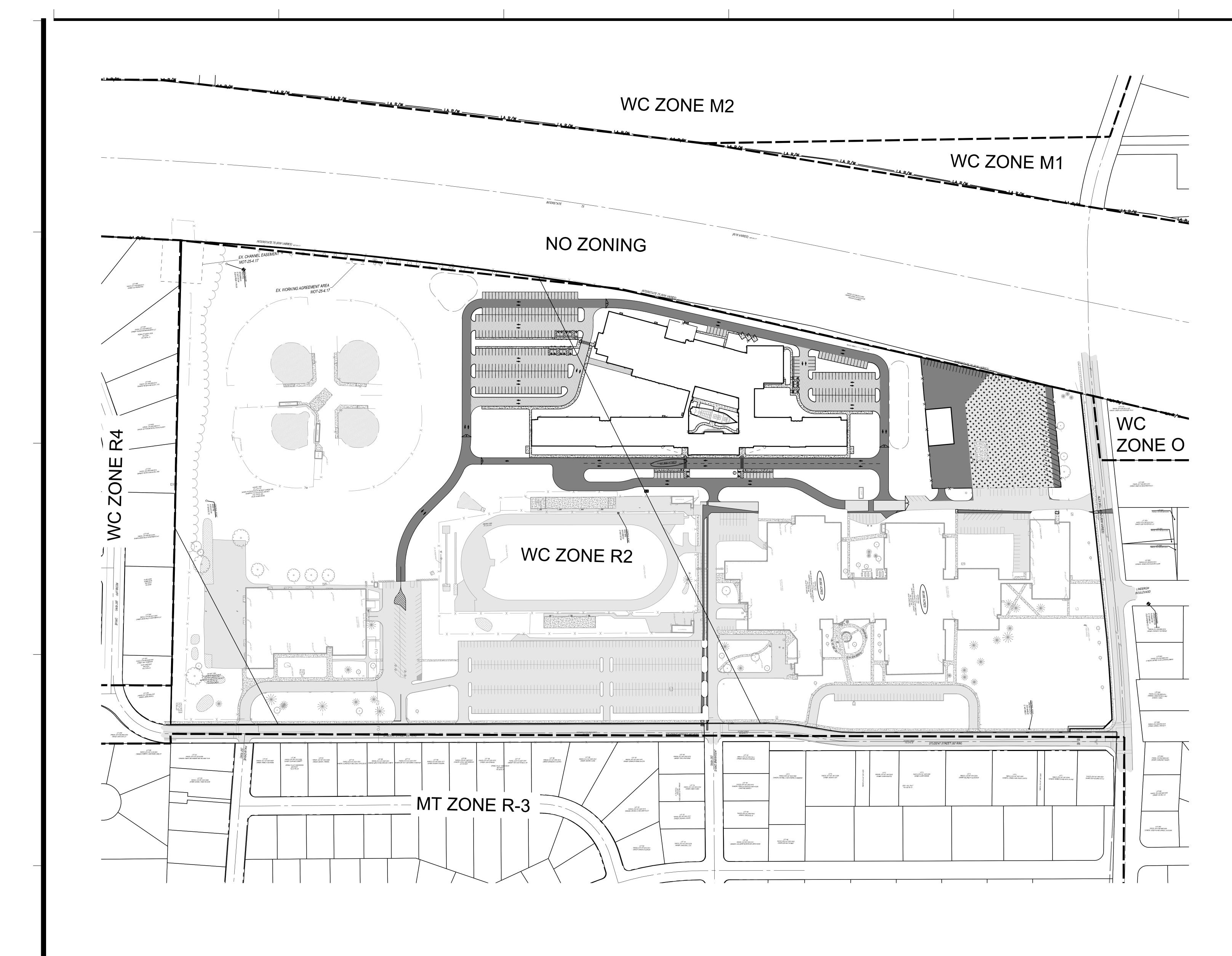




LOCATIO	N PLAN LEGEND
	STANDARD DUTY ASPHALT PAVEMENT PER DETAIL
	HEAVY DUTY ASPHALT PAVEMENT PER DETAIL 2/C
	CONCRETE WALK PER DETAIL 6/C001
	HEAVY DUTY CONCRETE PAVEMENT PER DETAIL 3.
+ + + + + + +	MILL AND OVERLAY EXISTING ASPHALT
	CATCH BASIN
	CURB INLET
(100) •	YARD DRAIN
(100)	HEADWALL
	STORM MANHOLE
CO •	STORM SEWER CLEANOUT
	DOWNSPOUT
	SANITARY SEWER MANHOLE
	SANITARY SEWER CLEANOUT
<b>X</b>	FIRE HYDRANT
<b>⊗</b> PIV	POST INDICATOR VALVE
oFDC	FIRE DEPARTMENT CONNECTION
LOCATIO	N PLAN GENERAL NOTES:
A. ALL DIMEN	SIONS ARE TO THE EDGE OF PAVEMENT AND/OR BAC
	ESS OTHERWISE NOTED ARD PARKING SPACES ARE TO BE 9' X 19' UNLESS OT
NOTED C. PARKING LO	DT STRIPING SHALL BE 4" WIDE HIGHWAY-TYPE APPL
	ICE WITH THE PLAN. CAR STRIPING SHALL BE WHITE . HALL BE YELLOW. LANE MARKINGS PER DETAIL 9/C00
	OR TO STRIPE PARKING SPACES IN EXISTING PARKIN RE-ESTABLISH ORIGINAL INTENT IMMEDIATELY FOLI
	R OF UTILITY TRENCHES O BE 3' UNLESS OTHERWISE NOTED
F. CATCH BAS	INS WITHIN PAVEMENT TO BE INSTALLED WITH ADA (
G. CATCH BAS	INS WITHIN PAVEMENT TO BE INSTALLED WITH CONC D FINGER DRAINS PER DETAIL 10/C001
	COUNTS:
BUS QUEUIN	G
22 SPACES	
STUDENT PA	RKING SOUTH
	BLE SPACES
104 STANDAR	D SPACES
5 ACCESSIE SERVICE SP/	ACES
6 STANDAR	D SPACES
STAFF PARK	
81 STANDARI 4 ACCESSIE	D SPACES BLE SPACES
VISITOR PAR	
2 ACCESSIE	BLE SPACES
	AR PARKING SPACES
	R CURB PER DETAIL 4/C001
2 ROLLED	CURB PER DETAIL 5/C001
3 ADA PAF	RKING SIGN PER DETAIL 7/C001
4 RAMP, R	EFER TO GRADING PLAN FOR SPOT ELEVATIONS
5 CURB RA	AMP PER DETAIL 14/C100
6 6' CHAIN	LINK FENCE PER DETAIL 1/C002
7 CHAIN LI	NK FENCE GATE PER DETAIL PER DETAIL 2/C002
8 DUAL A-I	FRAME GATE PER DETAIL PER DETAIL 3/C002
9 bollari	D PER DETAIL 8/C001
10 PRECAS	T CONCRETE WHEELSTOP PER DETAIL 4/C002
(11) DETECT	ABLE WARNINGS PER DETAIL 11/C001
	VALK STRIPING TO BE 8' LONG 1' WIDE PIANO KEY TYF AT 3' O.C.
	COMPOSITE WOOD FENCE AND GATES
-	









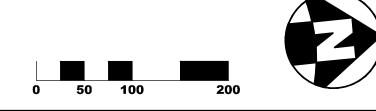
<u>NOTE</u> : UNDERGROUND UTILITIES ARE PLOTTED FROM A COMPILATION OF AVAILABLE RECORD INFORMATION AND SURFACE INDICATIONS OF UNDERGROUND STRUCTURES AND MAY NOT BE INCLUSIVE. PRECISE LOCATIONS AND THE EXISTENCE OR NON EXISTENCE OF UNDERGROUND UTILITIES CANNOT BE VERIFIED. PLEASE NOTIFY THE OHIO UTILITY PROTECTION SERVICE AT 811 OR 1-800-362-2764 BEFORE ANY PERIOD OF EXCAVATION OR CONSTRUCTION ACTIVITY.

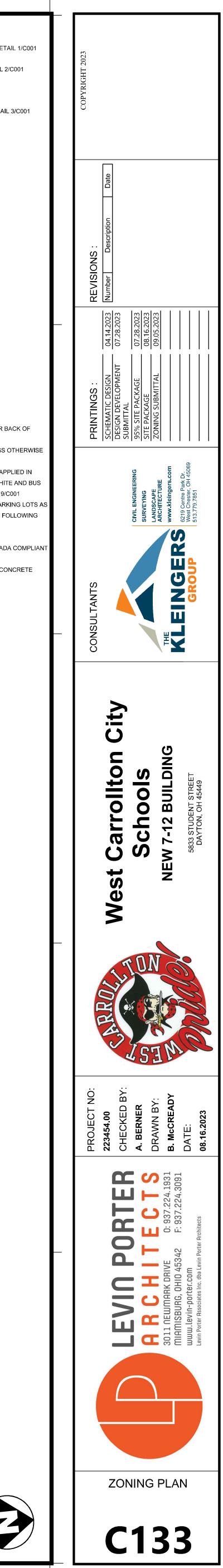
OCATION PLAN LEGEND			
STANDARD DUTY ASPHALT PAVEMENT PER DETA			
HEAVY DUTY ASPHALT PAVEMENT PER DETAIL 2/0			
CONCRETE WALK PER DETAIL 6/C001			
HEAVY DUTY CONCRETE PAVEMENT PER DETAIL			
MILL AND OVERLAY EXISTING ASPHALT			
CATCH BASIN			
CURB INLET			
YARD DRAIN			
HEADWALL			
STORM MANHOLE			
STORM SEWER CLEANOUT			
DOWNSPOUT			
SANITARY SEWER MANHOLE			
SANITARY SEWER CLEANOUT			
FIRE HYDRANT			
POST INDICATOR VALVE			
FIRE DEPARTMENT CONNECTION			
OCATION PLAN GENERAL NOTES:			

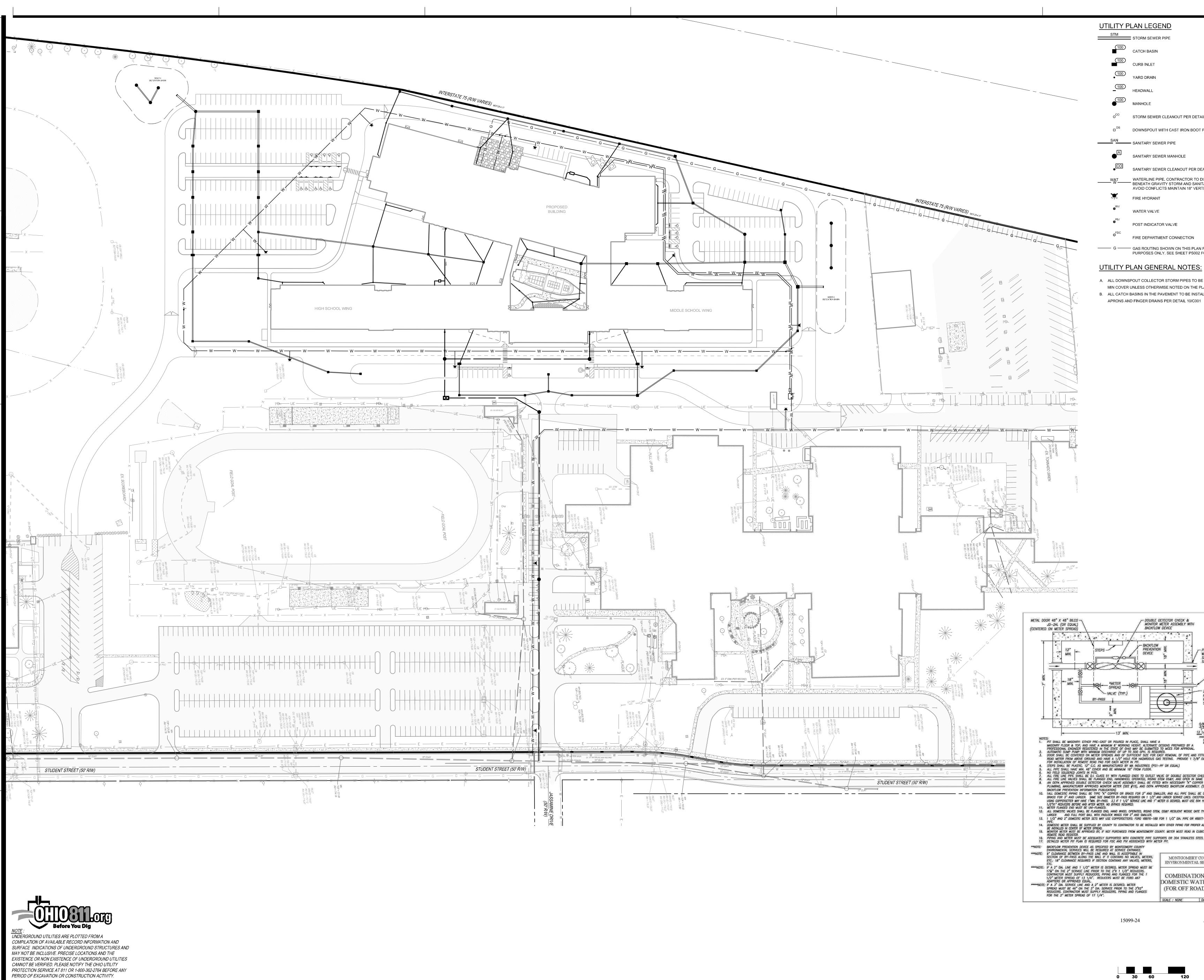
- A. ALL DIMENSIONS ARE TO THE EDGE OF PAVEMENT AND/OR BACK OF
- CURB, UNLESS OTHERWISE NOTED
- B. ALL STANDARD PARKING SPACES ARE TO BE 9' X 19' UNLESS OTHERWISE NOTED
- C. PARKING LOT STRIPING SHALL BE 4" WIDE HIGHWAY-TYPE APPLIED IN ACCORDANCE WITH THE PLAN. CAR STRIPING SHALL BE WHITE AND BUS STRIPING SHALL BE YELLOW. LANE MARKINGS PER DETAIL 9/C001
- D. CONTRACTOR TO STRIPE PARKING SPACES IN EXISTING PARKING LOTS AS NEEDED TO RE-ESTABLISH ORIGINAL INTENT IMMEDIATELY FOLLOWING
- THE REPAIR OF UTILITY TRENCHES E. ALL RADII TO BE 3' UNLESS OTHERWISE NOTED
- F. CATCH BASINS WITHIN PAVEMENT TO BE INSTALLED WITH ADA COMPLIAN
- & BICYCLE SAFE GRATES G. CATCH BASINS WITHIN PAVEMENT TO BE INSTALLED WITH CONCRETE
- APRON AND FINGER DRAINS PER DETAIL 10/C001 PARKING COUNTS:
- **BUS QUEUING**
- 22 SPACES
- STUDENT PARKING SOUTH
- 113 STANDARD SPACES5 ACCESSIBLE SPACES
- STAFF PARKING SOUTH
- 104 STANDARD SPACES5 ACCESSIBLE SPACES
- SERVICE SPACES
- 6 STANDARD SPACES
- STAFF PARKING NORTH
- 81 STANDARD SPACES4 ACCESSIBLE SPACES
- VISITOR PARKING
- 18 STANDARD SPACES
   2 ACCESSIBLE SPACES
- 338 TOTAL CAR PARKING SPACES

# **DEFINITIONS:**

WC = WEST CARROLLTON MT = MIAMI TOWNSHIP







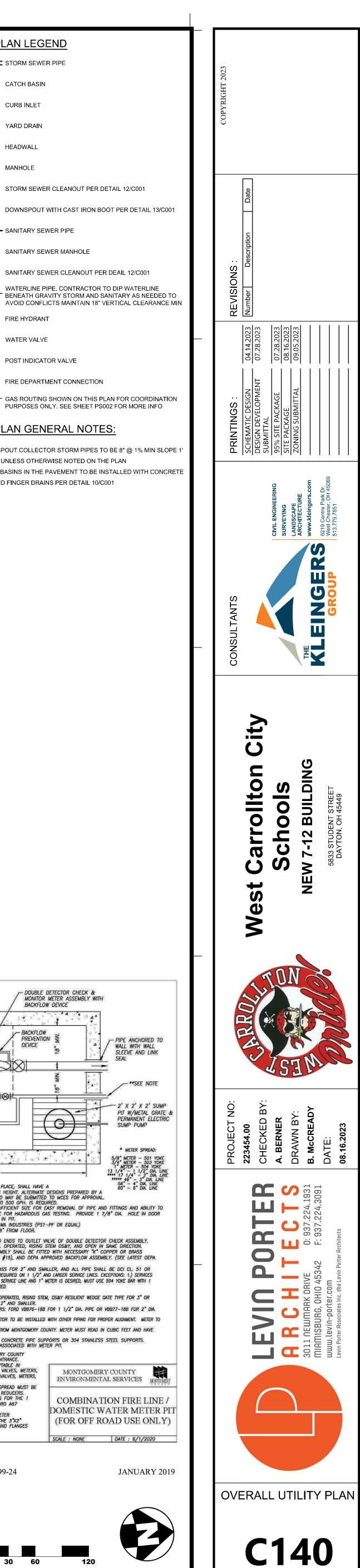


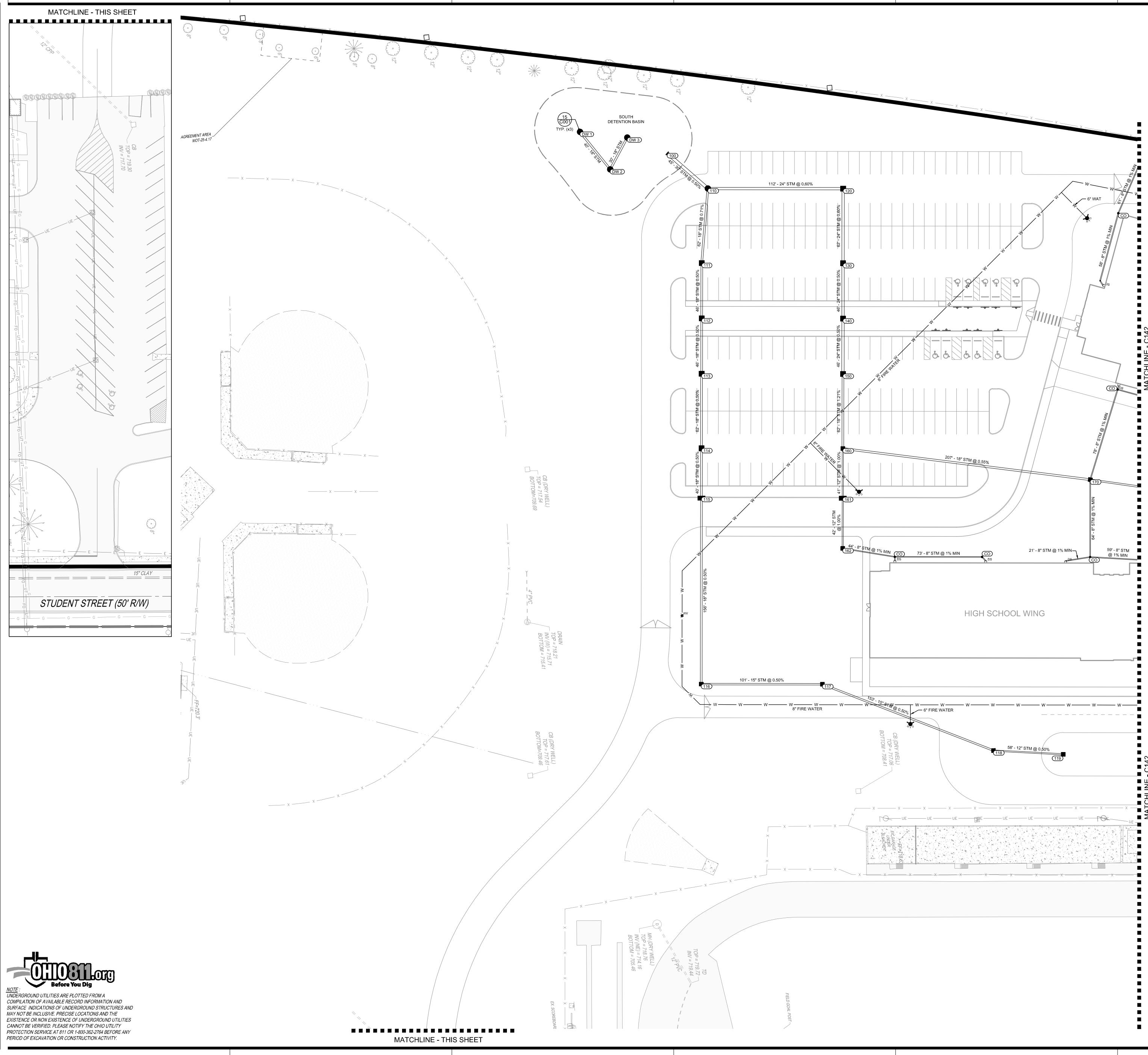
PROTECTION SERVICE AT 811 OR 1-800-362-2764 BEFORE ANY PERIOD OF EXCAVATION OR CONSTRUCTION ACTIVITY.

### UTILITY PLAN LEGEND STM STORM SEWER PIPE 100 CATCH BASIN CURB INLET (100) YARD DRAIN (100) HEADWALL (100)MANHOLE oco STORM SEWER CLEANOUT PER DETAIL 12/C001 DOWNSPOUT WITH CAST IRON BOOT PER DETAIL 13/C001 SAN SANITARY SEWER PIPE SANITARY SEWER MANHOLE SANITARY SEWER CLEANOUT PER DEAIL 12/C001 WATERLINE PIPE. CONTRACTOR TO DIP WATERLINE BENEATH GRAVITY STORM AND SANITARY AS NEEDED TO AVOID CONFLICTS MAINTAIN 18" VERTICAL CLEARANCE MIN FIRE HYDRANT WATER VALVE POST INDICATOR VALVE FIRE DEPARTMENT CONNECTION G — GAS ROUTING SHOWN ON THIS PLAN FOR COORDINATION

- UTILITY PLAN GENERAL NOTES
- A. ALL DOWNSPOUT COLLECTOR STORM PIPES TO BE 8" @ 1% MIN SLOPE MIN COVER UNLESS OTHERWISE NOTED ON THE PLAN B. ALL CATCH BASINS IN THE PAVEMENT TO BE INSTALLED WITH CONCRETE

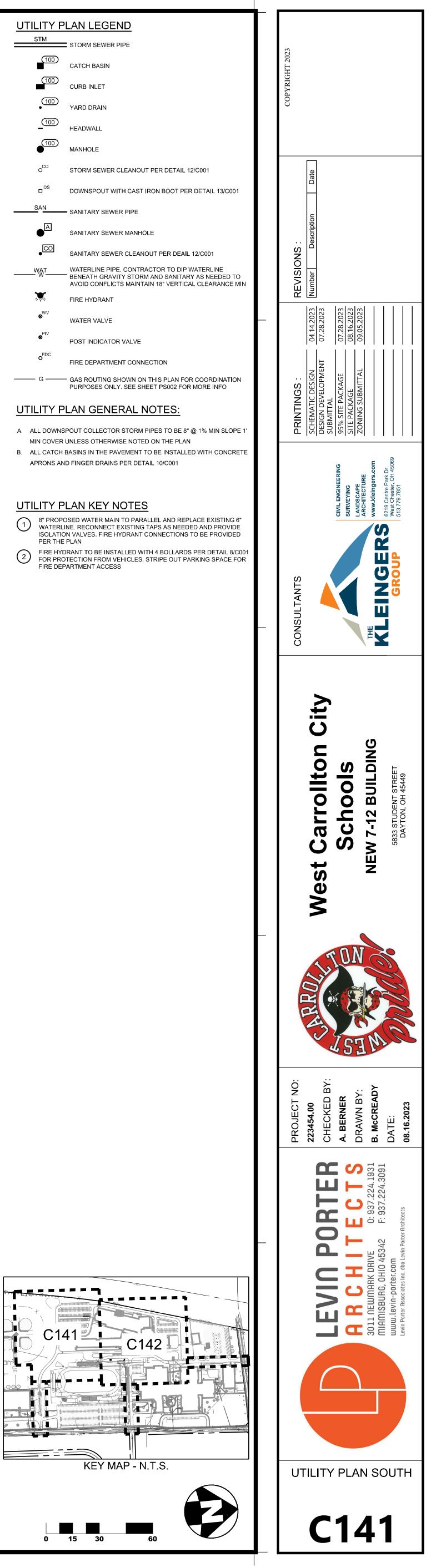
- DOUBLE DETECTOR CHECK & MONITOR METER ASSEMBLY WITH BACKFLOW DEVICE - BACKFLOW PREVENTION DEVICE PIPE ANCHORED TO WALL WITH WALL SLEEVE AND LINK SEAL \*METER SPREAD - VALVE (TYP.) \* METER SPREAD: PIPE.
  14. DOMESTIC METER SHALL BE SUPPLIED BY COUNTY TO CONTRACTOR TO BE INSTALLED WITH OTHER PIPING FOR PROPER ALIGNMENT. METER TO BE INSTALLED IN CENTER OF METER SPREAD.
  15. MONITOR METER MUST BE APPROVED BY, IF NOT PURCHASED FROM MONTGOMERY COUNTY. METER MUST READ IN CUBIC FEET AND HAVE REMOTE READ REGISTER.
  16. PIPING AND METER MUST BE ADEQUATELY SUPPORTED WITH CONCRETE PIPE SUPPORTS OR 304 STAINLESS STEEL SUPPORTS.
  17. DETAILED METER PIT PLAN IS REQUIRED FOR FDC AND PIV ASSOCIATED WITH METER PIT. \*\*NOTE: BACKFLOW PREVENTION DEVICE AS SPECIFIED BY MONTGOMERY COUNTY ENVIRONMENTAL SERVICES WILL BE REQUIRED AT SERVICE ENTRANCE. \*\*\*NOTE: 9" CLEARANCE BETWEEN BY-PASS LINE AND WALL IS ACCEPTABLE IN SECTION OF BY-PASS ALONG THE WALL IF IT CONTAINS NO VALVES, METERS, ETC.; 18" CLEARANCE REQUIRED IF SECTION CONTAINS ANY VALVES, METERS, FTC. MONTGOMERY COUNTY ENVIRONMENTAL SERVICES COMBINATION FIRE LINE / DOMESTIC WATER METER PIT (FOR OFF ROAD USE ONLY)
  - SCALE : NONE DATE : 6/1/2020

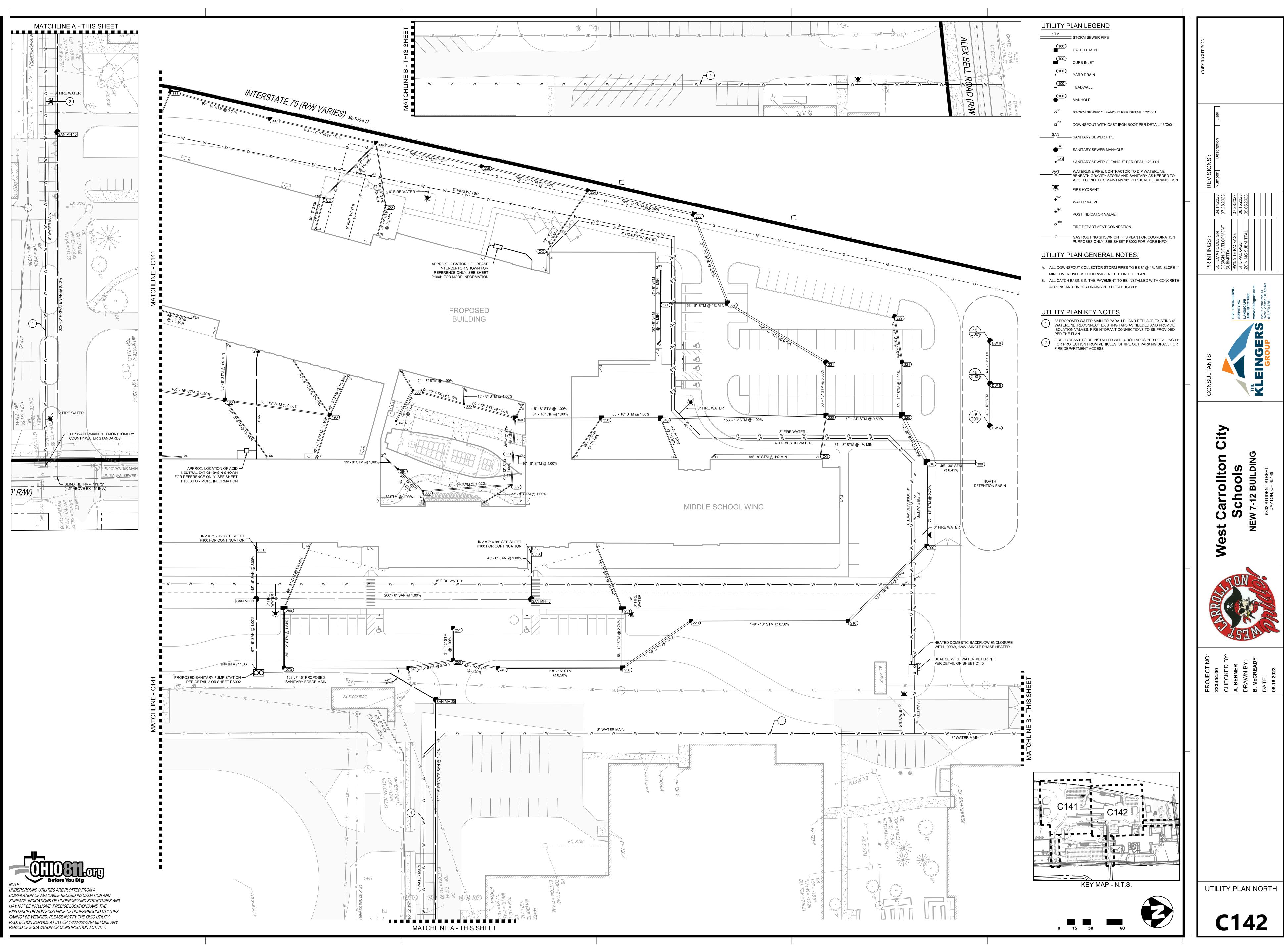




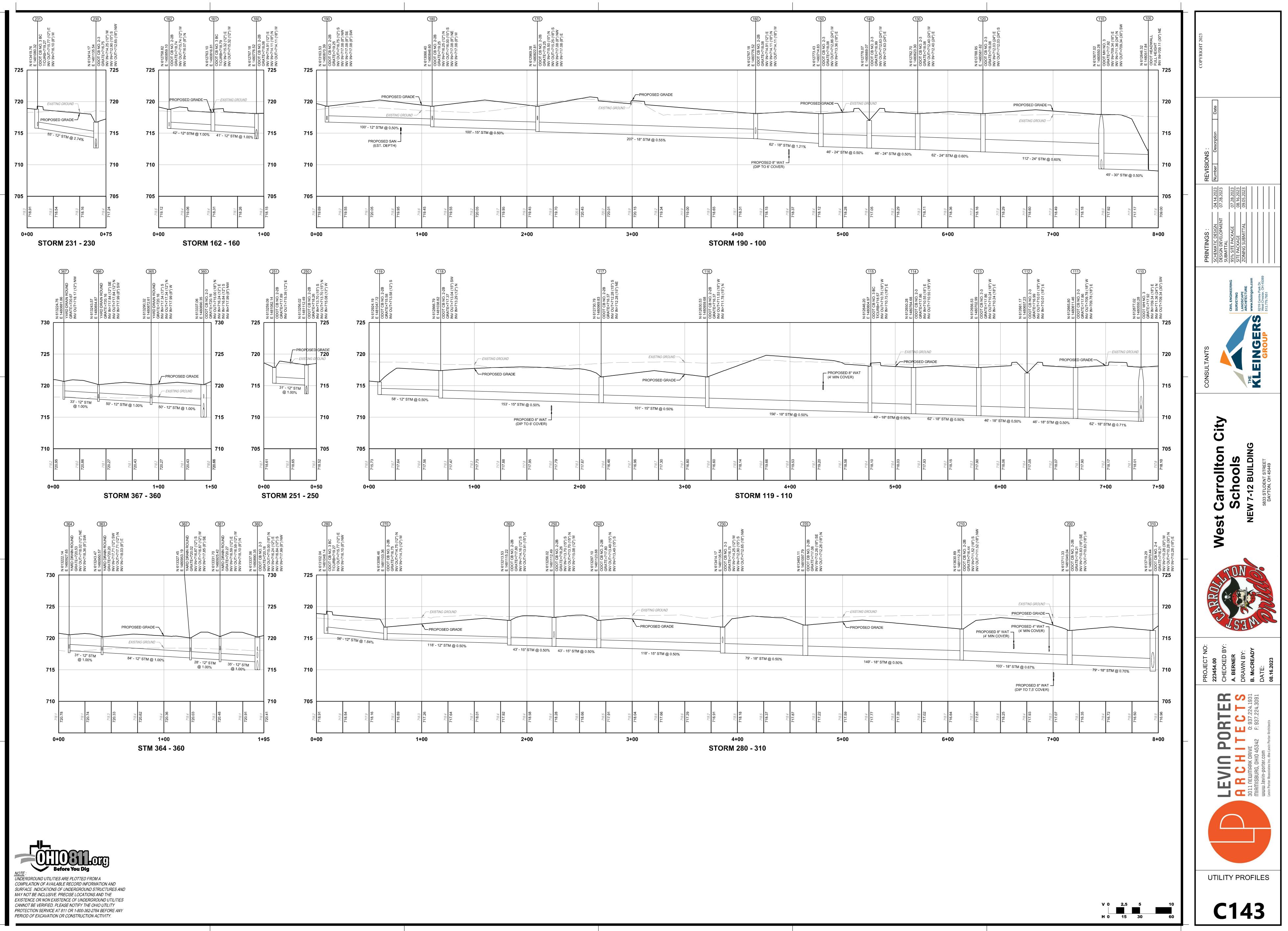


	LAN LEGEND
STM (100)	STORM SEWER PIPE
(100)	CATCH BASIN
(100)	CURB INLET
•	YARD DRAIN
	HEADWALL
•—	MANHOLE
o <sup>co</sup>	STORM SEWER CLEANOUT PER DETAIL 12/C001
	DOWNSPOUT WITH CAST IRON BOOT PER DETAIL 13
<u>SAN</u>	- SANITARY SEWER PIPE
	SANITARY SEWER MANHOLE
	SANITARY SEWER CLEANOUT PER DEAIL 12/C001
	WATERLINE PIPE. CONTRACTOR TO DIP WATERLINE BENEATH GRAVITY STORM AND SANITARY AS NEED AVOID CONFLICTS MAINTAIN 18" VERTICAL CLEARA
<b>X</b>	FIRE HYDRANT
<b>⊗</b> <sup>₩∨</sup>	WATER VALVE
⊗ <sup>PIV</sup>	POST INDICATOR VALVE
oFDC	FIRE DEPARTMENT CONNECTION
G	- GAS ROUTING SHOWN ON THIS PLAN FOR COORDIN PURPOSES ONLY. SEE SHEET PS002 FOR MORE INF
	LAN GENERAL NOTES:
WATERL ISOLATIC PER THE	
	DRANT TO BE INSTALLED WITH 4 BOLLARDS PER DETA DTECTION FROM VEHICLES. STRIPE OUT PARKING SP.

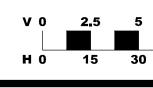


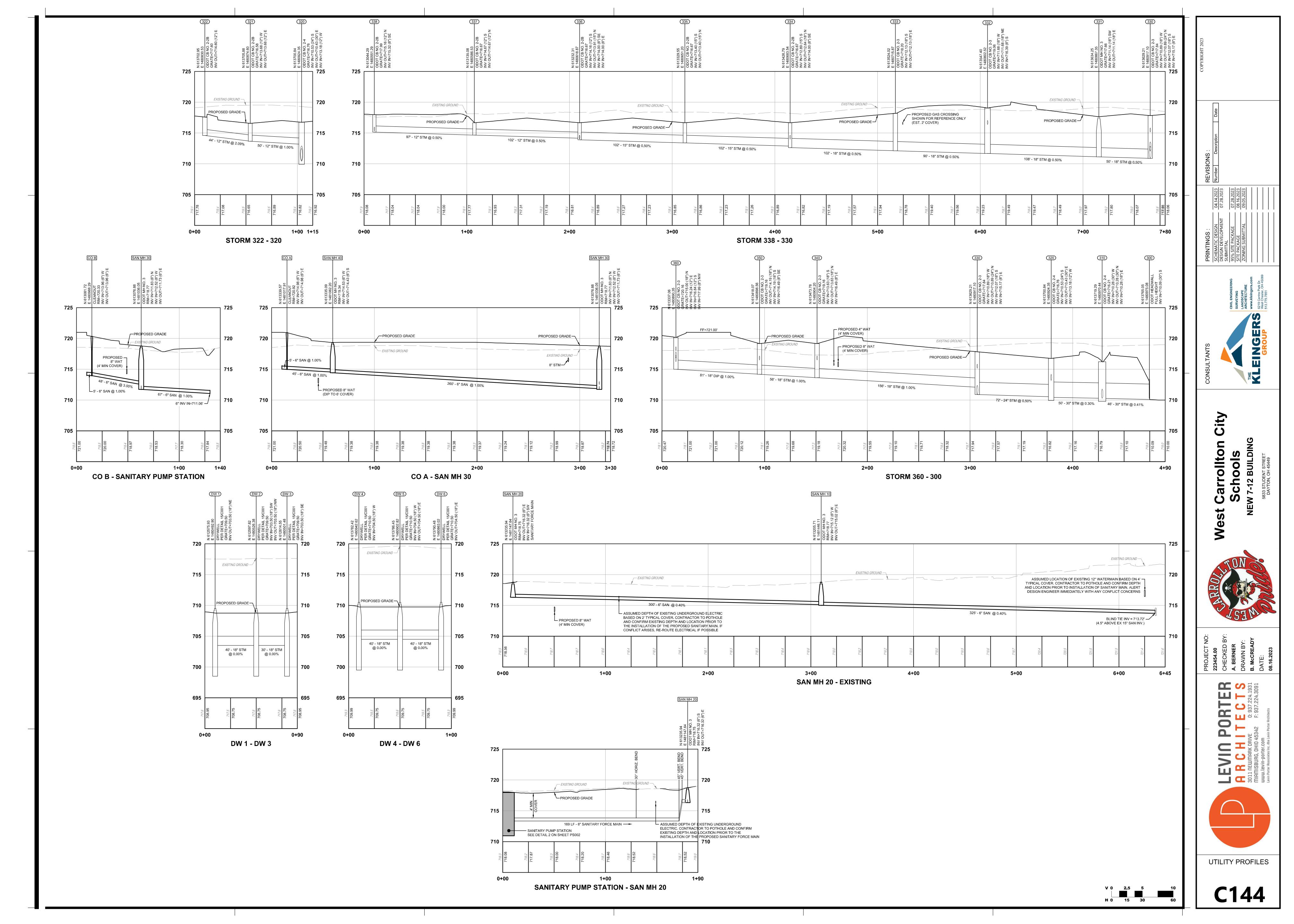


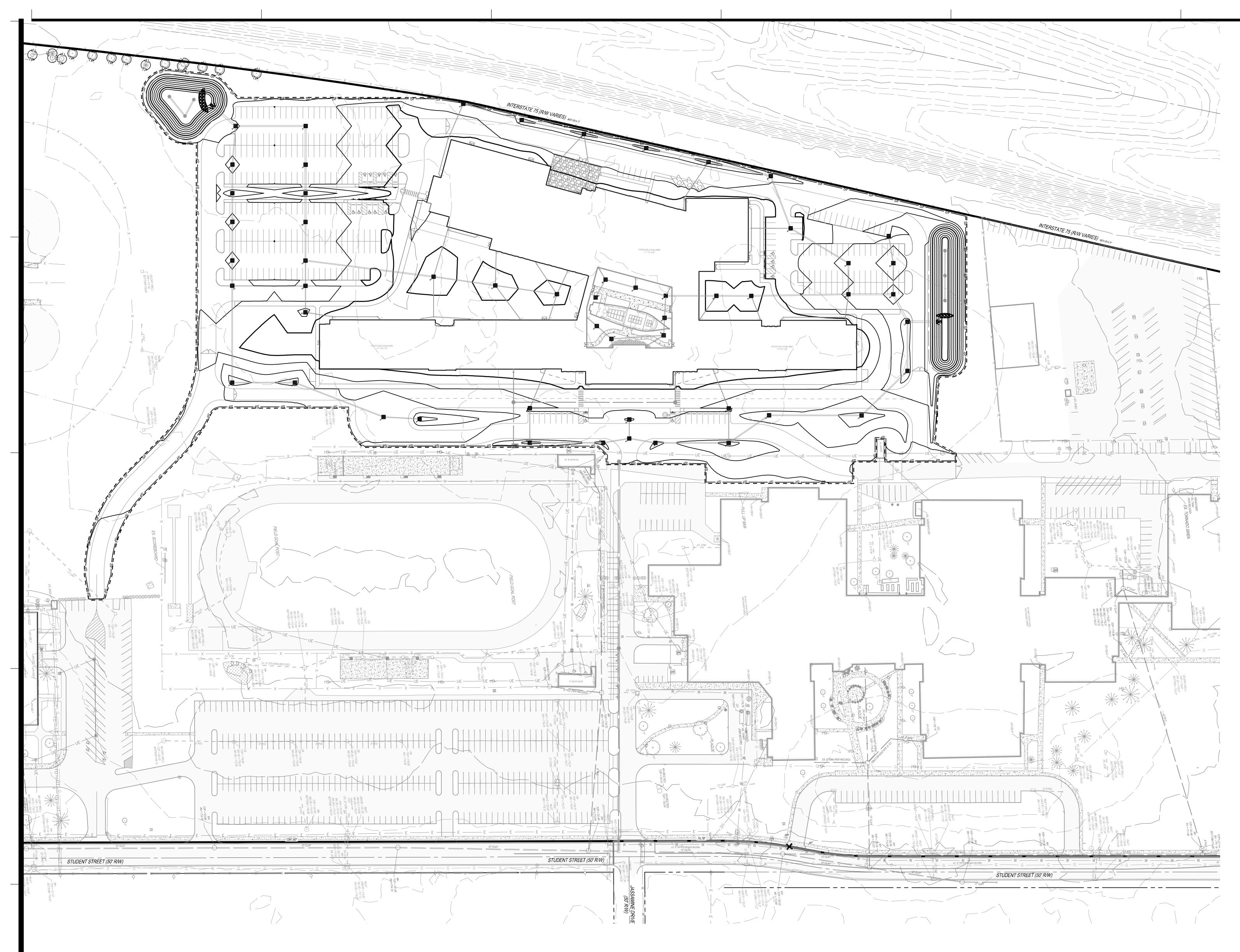
UTILITY PLAN LEGEND				
STM	STORM SEWER PIPE			
(100)	CATCH BASIN			
	CURB INLET			
	YARD DRAIN			
	HEADWALL			
	MANHOLE			
o <sup>co</sup>	STORM SEWER CLEANOUT PER DETAIL 12/C001			
	DOWNSPOUT WITH CAST IRON BOOT PER DETA			
SAN	- SANITARY SEWER PIPE			
	SANITARY SEWER MANHOLE			
• CO	SANITARY SEWER CLEANOUT PER DEAIL 12/C00			
WAT	WATERLINE PIPE. CONTRACTOR TO DIP WATER BENEATH GRAVITY STORM AND SANITARY AS N AVOID CONFLICTS MAINTAIN 18" VERTICAL CLE			
$\mathbf{X}$	FIRE HYDRANT			
⊗ <sup>WV</sup>	WATER VALVE			
8 PIV	POST INDICATOR VALVE			
o <sup>FDC</sup>	FIRE DEPARTMENT CONNECTION			
G	- GAS ROUTING SHOWN ON THIS PLAN FOR COO PURPOSES ONLY. SEE SHEET PS002 FOR MORE			











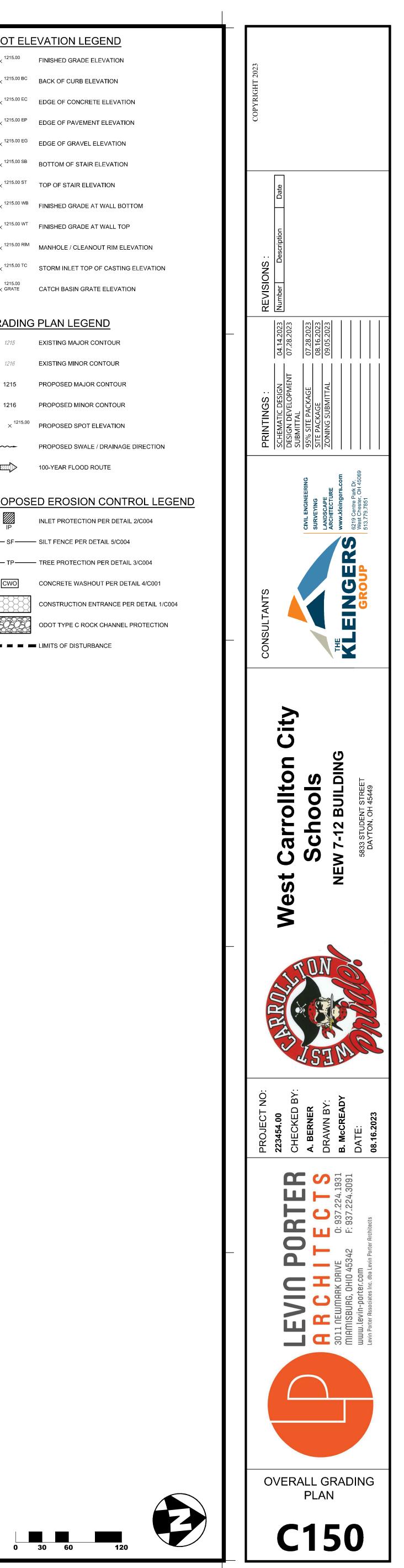


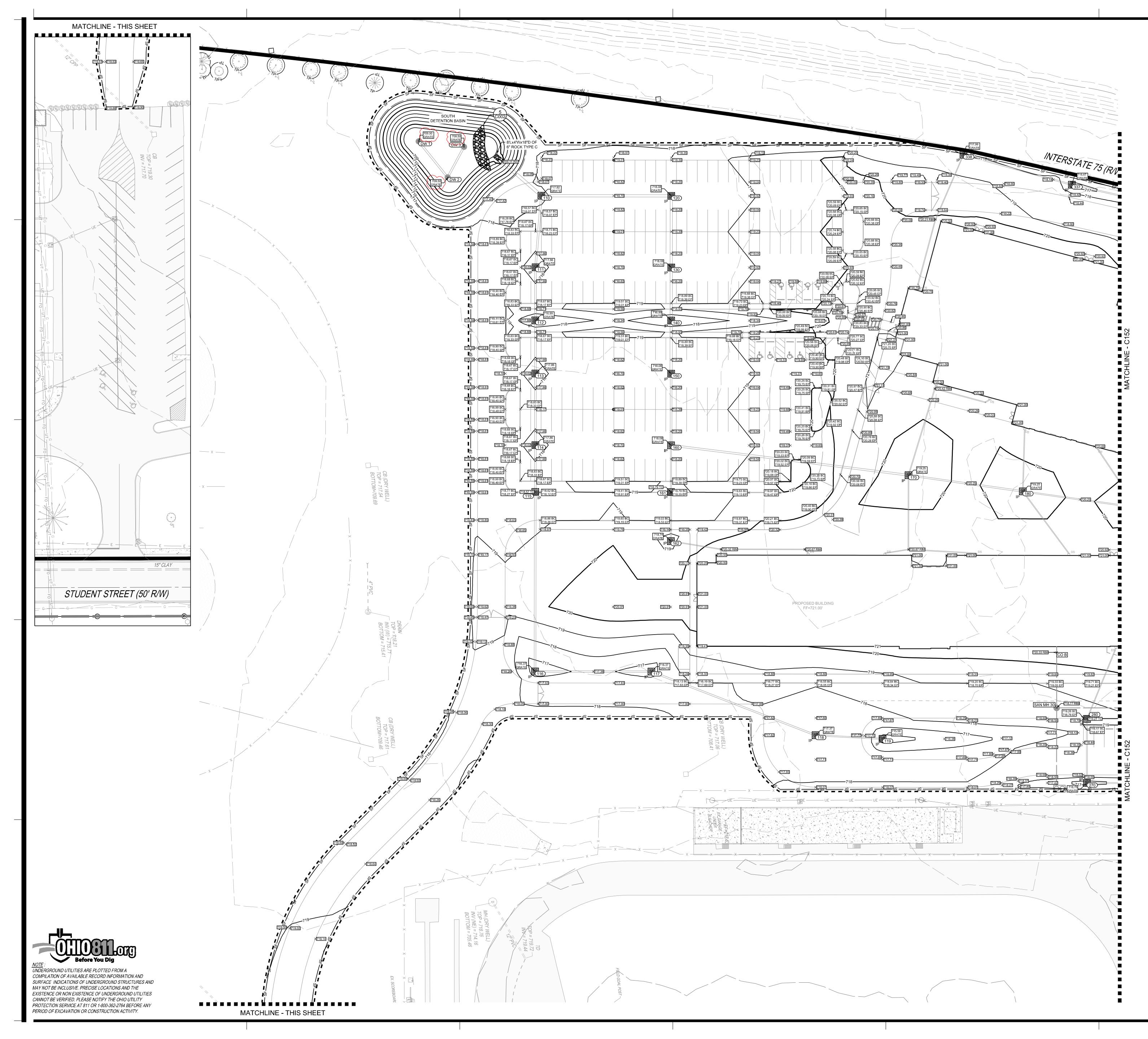
<u>NOTE</u> : UNDERGROUND UTILITIES ARE PLOTTED FROM A COMPILATION OF AVAILABLE RECORD INFORMATION AND SURFACE INDICATIONS OF UNDERGROUND STRUCTURES AND MAY NOT BE INCLUSIVE. PRECISE LOCATIONS AND THE EXISTENCE OR NON EXISTENCE OF UNDERGROUND UTILITIES CANNOT BE VERIFIED. PLEASE NOTIFY THE OHIO UTILITY PROTECTION SERVICE AT 811 OR 1-800-362-2764 BEFORE ANY PERIOD OF EXCAVATION OR CONSTRUCTION ACTIVITY.

SPOT ELEVATION LEGEND				
× <sup>1215.00</sup>	FINISHED GRADE ELEVATION			
× <sup>1215.00 BC</sup>	BACK OF CURB ELEVATION			
× <sup>1215.00 EC</sup>	EDGE OF CONCRETE ELEVATION			
imes <sup>1215.00 EP</sup>	EDGE OF PAVEMENT ELEVATION			
imes <sup>1215.00 EG</sup>	EDGE OF GRAVEL ELEVATION			
× <sup>1215.00 SB</sup>	BOTTOM OF STAIR ELEVATION			
× <sup>1215.00 ST</sup>	TOP OF STAIR ELEVATION			
imes <sup>1215.00 WB</sup>	FINISHED GRADE AT WALL BOTTOM			
imes <sup>1215.00 WT</sup>	FINISHED GRADE AT WALL TOP			
imes <sup>1215.00 RIM</sup>	MANHOLE / CLEANOUT RIM ELEVATION			
× <sup>1215.00 TC</sup>	STORM INLET TOP OF CASTING ELEVATION			
1215.00 × GRATE	CATCH BASIN GRATE ELEVATION			
GRADING	PLAN LEGEND			
1215	EXISTING MAJOR CONTOUR			
1216	EXISTING MINOR CONTOUR			
1215	PROPOSED MAJOR CONTOUR			
1216	PROPOSED MINOR CONTOUR			
× <sup>1215.00</sup>	PROPOSED SPOT ELEVATION			
~~~	PROPOSED SWALE / DRAINAGE DIRECTION			
	100-YEAR FLOOD ROUTE			
PROPOSE	ED FROSION CONTROL LEG			

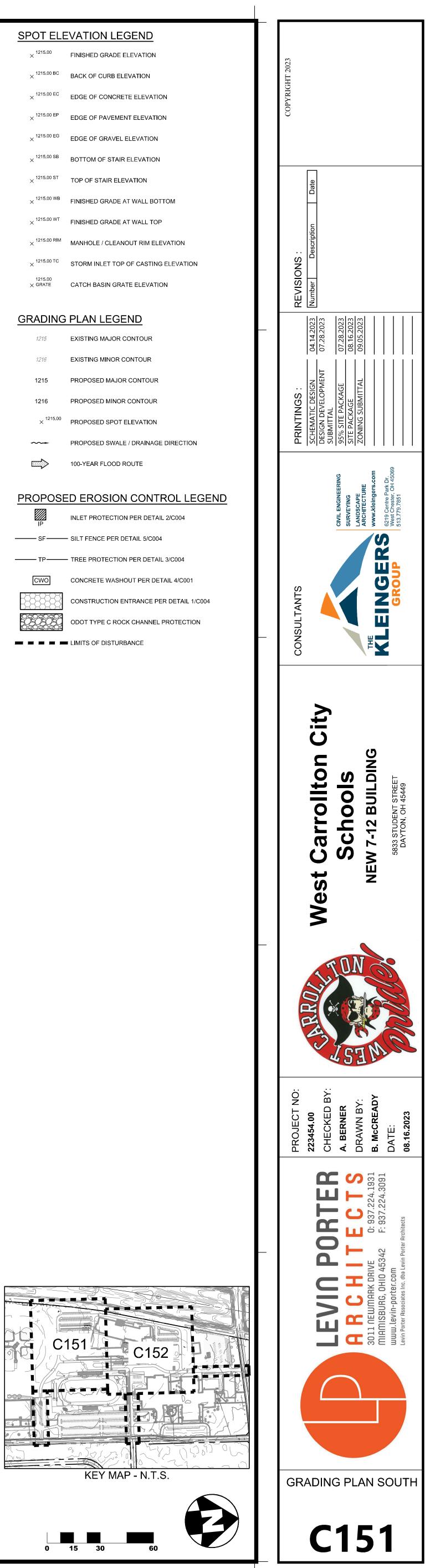
# PROPOSED EROSION CONTROL LEGEND

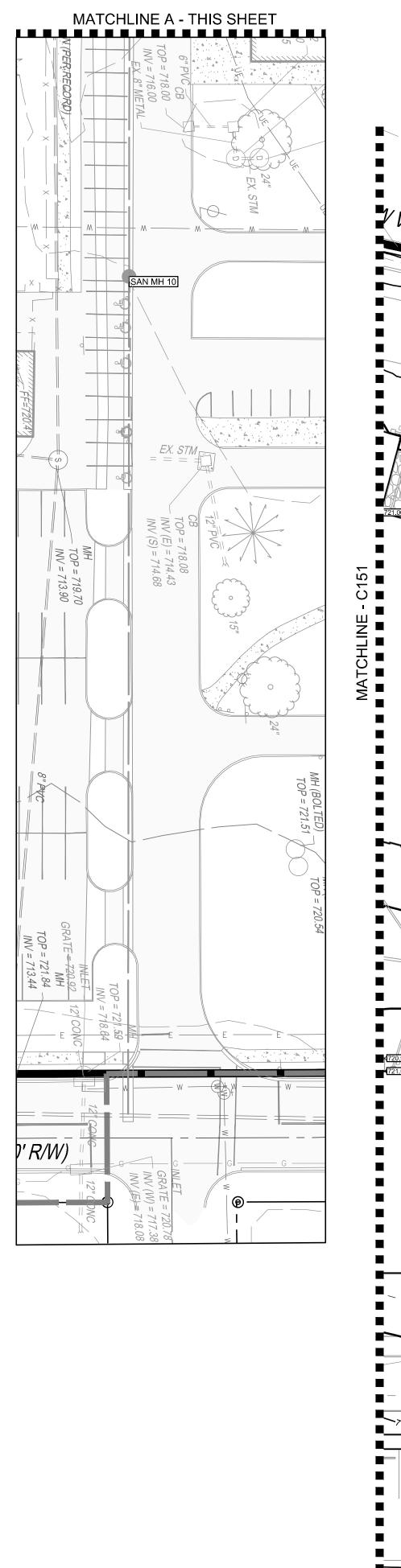
IP	INLET PROTECTION PER DETAIL 2/C004
SF	- SILT FENCE PER DETAIL 5/C004
TP	- TREE PROTECTION PER DETAIL 3/C004
cwo	CONCRETE WASHOUT PER DETAIL 4/C001
	CONSTRUCTION ENTRANCE PER DETAIL 1/C0
	ODOT TYPE C ROCK CHANNEL PROTECTION
	LIMITS OF DISTURBANCE





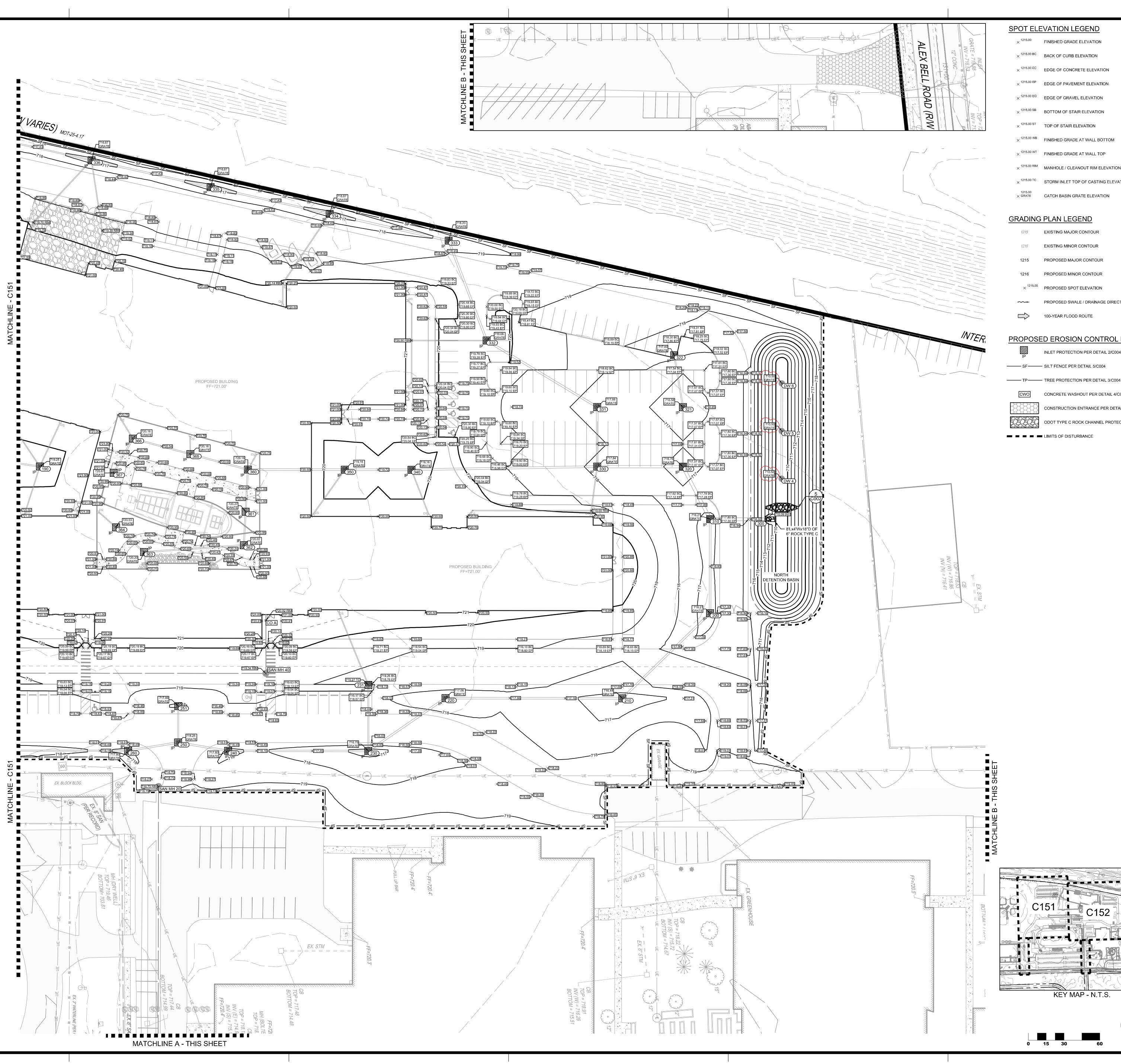
# × <sup>1215.00 EC</sup> EDGE OF CONCRETE ELEVATION $\times^{1215.00 \text{ EP}}$ EDGE OF PAVEMENT ELEVATION $\times$ <sup>1215.00 EG</sup> EDGE OF GRAVEL ELEVATION $\times^{1215.00 \text{ SB}}$ BOTTOM OF STAIR ELEVATION $\times$ <sup>1215.00 ST</sup> TOP OF STAIR ELEVATION $\times^{1215.00 \text{ WB}}$ FINISHED GRADE AT WALL BOTTOM $\times$ <sup>1215.00 WT</sup> FINISHED GRADE AT WALL TOP × <sup>1215.00 RIM</sup> MANHOLE / CLEANOUT RIM ELEVATION $\times^{1215.00 \text{ TC}}$ STORM INLET TOP OF CASTING ELEVATION X GRATE CATCH BASIN GRATE ELEVATION 1215 EXISTING MAJOR CONTOUR 1216 EXISTING MINOR CONTOUR 1215 PROPOSED MAJOR CONTOUR 1216 PROPOSED MINOR CONTOUR $\times^{1215.00}$ PROPOSED SPOT ELEVATION PROPOSED SWALE / DRAINAGE DIRECTION 100-YEAR FLOOD ROUTE INLET PROTECTION PER DETAIL 2/C004 CWO CONCRETE WASHOUT PER DETAIL 4/C001







<u>NOTE</u> : UNDERGROUND UTILITIES ARE PLOTTED FROM A COMPILATION OF AVAILABLE RECORD INFORMATION AND SURFACE INDICATIONS OF UNDERGROUND STRUCTURES AND MAY NOT BE INCLUSIVE. PRECISE LOCATIONS AND THE EXISTENCE OR NON EXISTENCE OF UNDERGROUND UTILITIES CANNOT BE VERIFIED. PLEASE NOTIFY THE OHIO UTILITY PROTECTION SERVICE AT 811 OR 1-800-362-2764 BEFORE ANY PERIOD OF EXCAVATION OR CONSTRUCTION ACTIVITY.

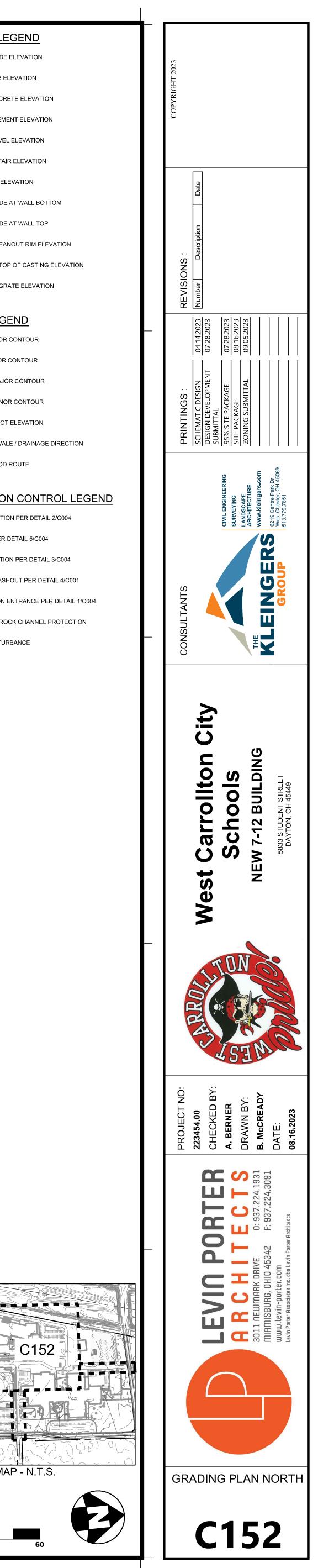


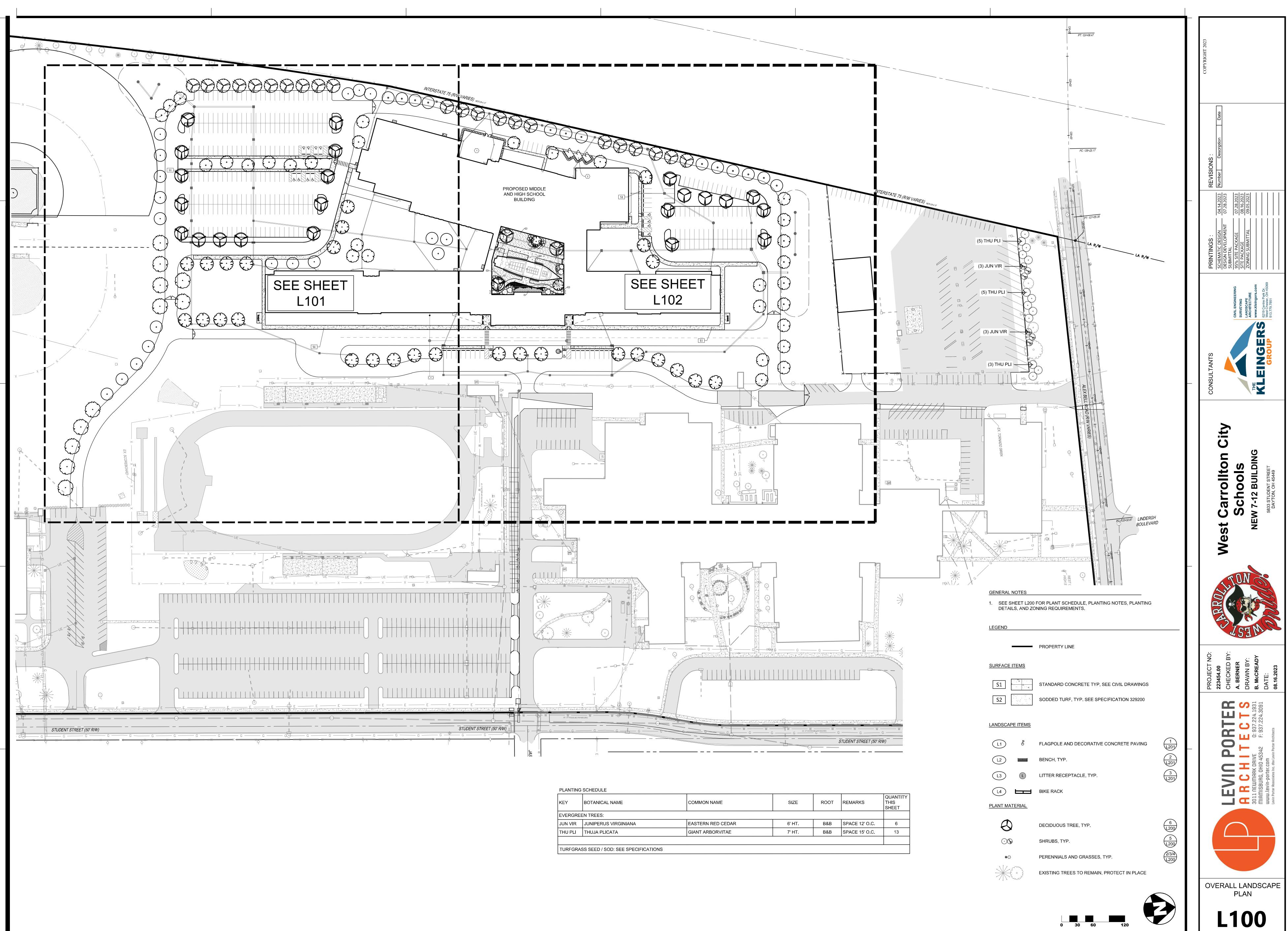
× <sup>1215.00</sup>	FINISHED GRADE ELEVATION
X	FINISHED GRADE ELEVATION
× <sup>1215.00 BC</sup>	BACK OF CURB ELEVATION
× <sup>1215.00 EC</sup>	EDGE OF CONCRETE ELEVATION
imes <sup>1215.00 EP</sup>	EDGE OF PAVEMENT ELEVATION
imes <sup>1215.00 EG</sup>	EDGE OF GRAVEL ELEVATION
× <sup>1215.00 SB</sup>	BOTTOM OF STAIR ELEVATION
imes <sup>1215.00 ST</sup>	TOP OF STAIR ELEVATION
imes <sup>1215.00 WB</sup>	FINISHED GRADE AT WALL BOTTOM
× <sup>1215.00 WT</sup>	FINISHED GRADE AT WALL TOP
imes <sup>1215.00 RIM</sup>	MANHOLE / CLEANOUT RIM ELEVATION
× <sup>1215.00 TC</sup>	STORM INLET TOP OF CASTING ELEVATION
$^{1215.00}_{ imes}$ GRATE	CATCH BASIN GRATE ELEVATION
RADING	PLAN LEGEND
1215	EXISTING MAJOR CONTOUR
1216	EXISTING MINOR CONTOUR
1215	PROPOSED MAJOR CONTOUR
1216	PROPOSED MINOR CONTOUR
× <sup>1215.00</sup>	PROPOSED SPOT ELEVATION
~~~	PROPOSED SWALE / DRAINAGE DIRECTION
	100-YEAR FLOOD ROUTE

### PROPOSED EROSION CONTROL LEGEND

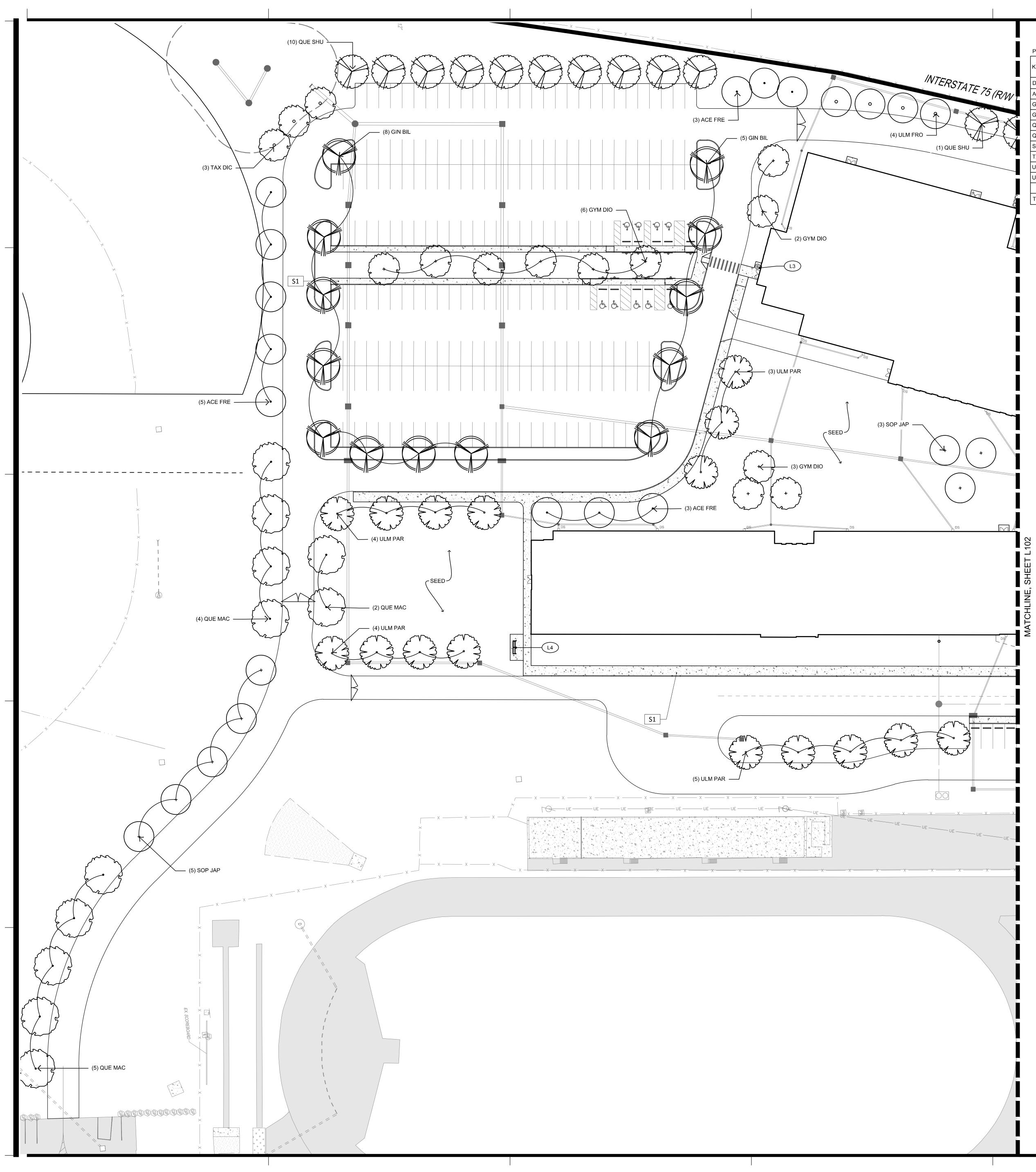
IP	INLET PROTECTION PER DETAIL 2/C004
SF	- SILT FENCE PER DETAIL 5/C004
TP	- TREE PROTECTION PER DETAIL 3/C004
CWO	CONCRETE WASHOUT PER DETAIL 4/C001
	CONSTRUCTION ENTRANCE PER DETAIL 1/CO
	ODOT TYPE C ROCK CHANNEL PROTECTION

KEY MAP - N.T.S.





PLANTING SCHEDULE				
KEY	BOTANICAL NAME COMMON NAME			
EVERGREEN TREES:				
JUN VIR	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR		
THU PLI	THUJA PLICATA GIANT ARBORVITA			
TUDEODA				



PLANTING	SCHEDULE					
KEY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS	QUA THIS SHE
DECIDUOL	JS TREES:	· · · ·				
ACE FRE	ACER x FREEMANII 'ARMSTRONG'	ARMSTRONG MAPLE	2" CAL.	B&B	SPACE PER PLAN	1
GIN BIL	GINKGO BILOBA 'AUTUMN GOLD'	AUTUMN GOLD GINKGO	2" CAL.	B&B	SPACE PER PLAN	1
GYM DIO	GYMNOCLADUS DIOICUS 'ESPRESSO'	ESPRESSO KENTUCKY COFFEE TREE	2" CAL.	B&B	SPACE PER PLAN	1
QUE MAC	QUERCUS MACROCARPA 'BUR'	BUR OAK	2" CAL.	B&B	SPACE PER PLAN	1
QUE SHU	QUERCUS SHUMARDII	SHUMARD OAK	2" CAL	B&B	SPACE PER PLAN	1
SOP JAP	SOPHORA JAPONICA 'REGENT'	REGENT SCHOLAR TREE	2" CAL.	B&B	SPACE PER PLAN	8
TAX DIS	TAXODIUM DISTCHUM	BALD CYPESS	2" CAL.	B&B	SPACE PER PLAN	:
ULM FRO	ULMUS × FRONTIER	FRONTIER ELM	2" CAL.	B&B	SPACE PER PLAN	4
ULM PAR	ULMUS PARVIFOLIA 'EMER II'	ALLEE LACEBARK ELM	2" CAL.	B&B	SPACE PER PLAN	1

TURFGRASS SEED / SOD: SEE SPECIFICATIONS

GENERAL NOTES

 SEE SHEET L200 FOR PLANTING NOTES, PLANTING DETAILS, AND ZONING REQUIREMENTS.

PROPERTY LINE

SURFACE ITEMS



STANDARD CONCRETE TYP, SEE CIVIL DRAWINGS SODDED TURF, TYP. SEE SPECIFICATION 329200

### LANDSCAPE ITEMS

L1	$\Theta_{\mathbf{n}}$
L2	
L3	L

FLAGPOLE AND DECORATIVE CONCRETE PAVING BENCH, TYP. LITTER RECEPTACLE, TYP.

L4 BIKE RACK

 $\bigcirc$ 

 $\odot$ 

\*0

- Ken

\_

DECIDUOUS TREE, TYP.

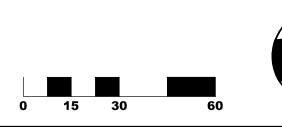
SHRUBS, TYP.

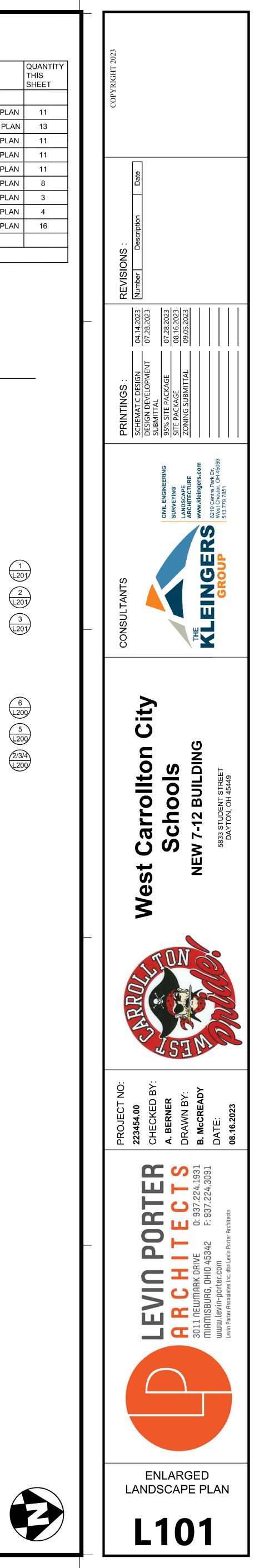
PERENNIALS AND GRASSES, TYP.

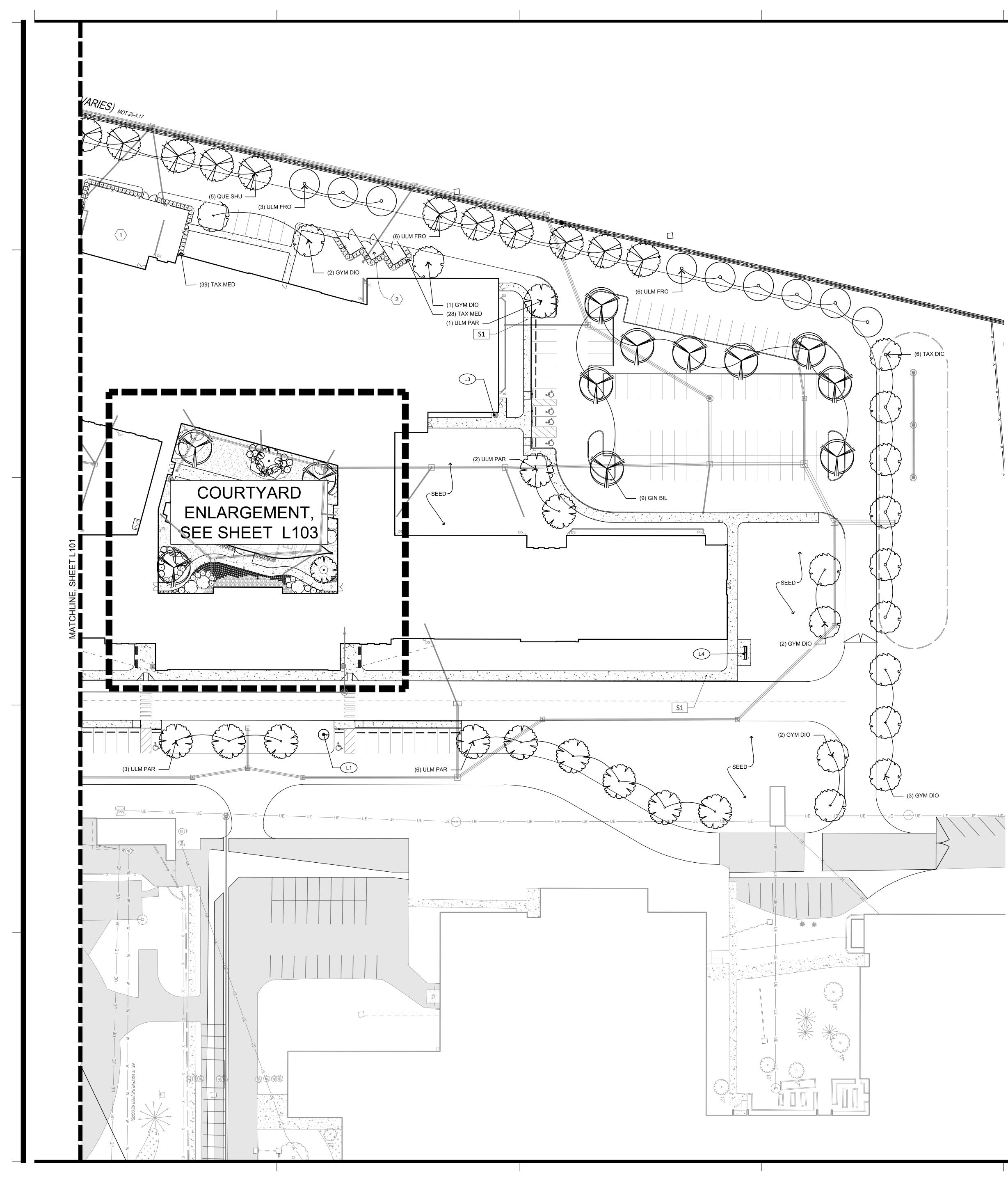
EXISTING TREES TO REMAIN, PROTECT IN PLACE



ONDERGROUND UTILITIES ARE PLOTTED FROM A COMPILATION OF AVAILABLE RECORD INFORMATION AND SURFACE INDICATIONS OF UNDERGROUND STRUCTURES AND MAY NOT BE INCLUSIVE. PRECISE LOCATIONS AND THE EXISTENCE OR NON EXISTENCE OF UNDERGROUND UTILITIES CANNOT BE VERIFIED. PLEASE NOTIFY THE OHIO UTILITY PROTECTION SERVICE AT 811 OR 1-800-362-2764 BEFORE ANY PERIOD OF EXCAVATION OR CONSTRUCTION ACTIVITY.







KEY	BOTANICAL NAME	ROOT	REMARKS		
DECIDUO	JS TREES:	· · ·			-
GIN BIL	GINKGO BILOBA 'AUTUMN GOLD'	AUTUMN GOLD GINKGO	2" CAL.	B&B	SPACE PER PLAN
GYM DIO	GYMNOCLADUS DIOICUS 'ESPRESSO'	ESPRESSO KENTUCKY COFFEE TREE	2" CAL.	B&B	SPACE PER PLAN
QUE MAC	QUERCUS SHUMARDII	SHUMARD OAK	2" CAL.	B&B	SPACE PER PLAN
TAX DIS	TAXODIUM DISTCHUM	BALD CYPESS	2" CAL.	B&B	SPACE PER PLAN
ULM FRO	ULMUS x FRONTIER	FRONTIER ELM	2" CAL.	B&B	SPACE PER PLAN
ULM PAR	ULMUS PARVIFOLIA 'EMER II'	ALLEE LACEBARK ELM	2" CAL.	B&B	SPACE PER PLAN
EVERGRE	EN SHRUBS:				
TAX MED	TAXUS x MEDIA 'DENSIFORMIS'	DENSE YEW	24" HT. MIN.	B&B	SPACE 5' O.C.
		•		•	-

GENERAL NOTES

1. SEE SHEET L200 FOR PLANTING NOTES, PLANTING DETAILS, AND ZONING REQUIREMENTS.

LEGEND	

PROPERTY LINE

SURFACE ITEMS

S1	4 4 4
S2	Marija Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa

STANDARD CONCRETE TYP, SEE CIVIL DRAWINGS SODDED TURF, TYP. SEE SPECIFICATION 329200

LANDSCAPE ITEMS

L1 O	FLAGPOLE AND DECORATIVE CONCRETE PAVING	1 L201
L2 -	BENCH, TYP.	2 L201
L3 L	LITTER RECEPTACLE, TYP.	3 L201
	BIKE RACK	
LANT MATERIAL		
$\bigcirc$	DECIDUOUS TREE, TYP.	6 L200
$\odot$	SHRUBS, TYP.	5 L200
*0	PERENNIALS AND GRASSES, TYP.	2/3/4 L200

EXISTING TREES TO REMAIN, PROTECT IN PLACE

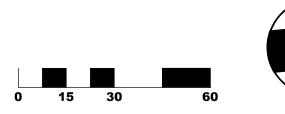
CODED NOTES:

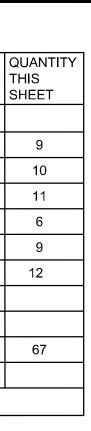
1 MECHANICAL YARD, SEE DETAIL ARCH. DRAWINGS

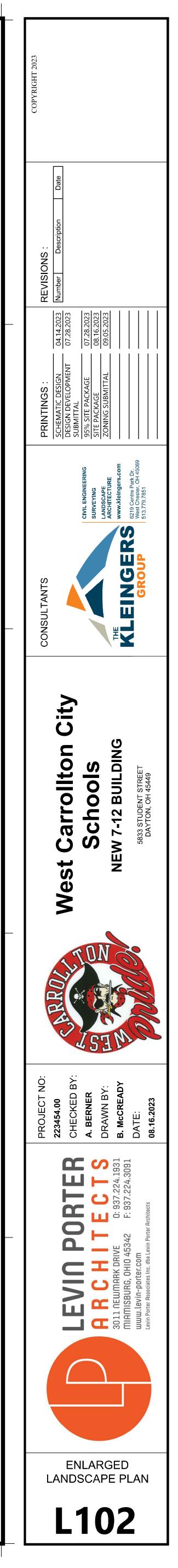
 $\langle 2 \rangle$  DUMPSTER AREA, SEE CIVIL DRAWINGS



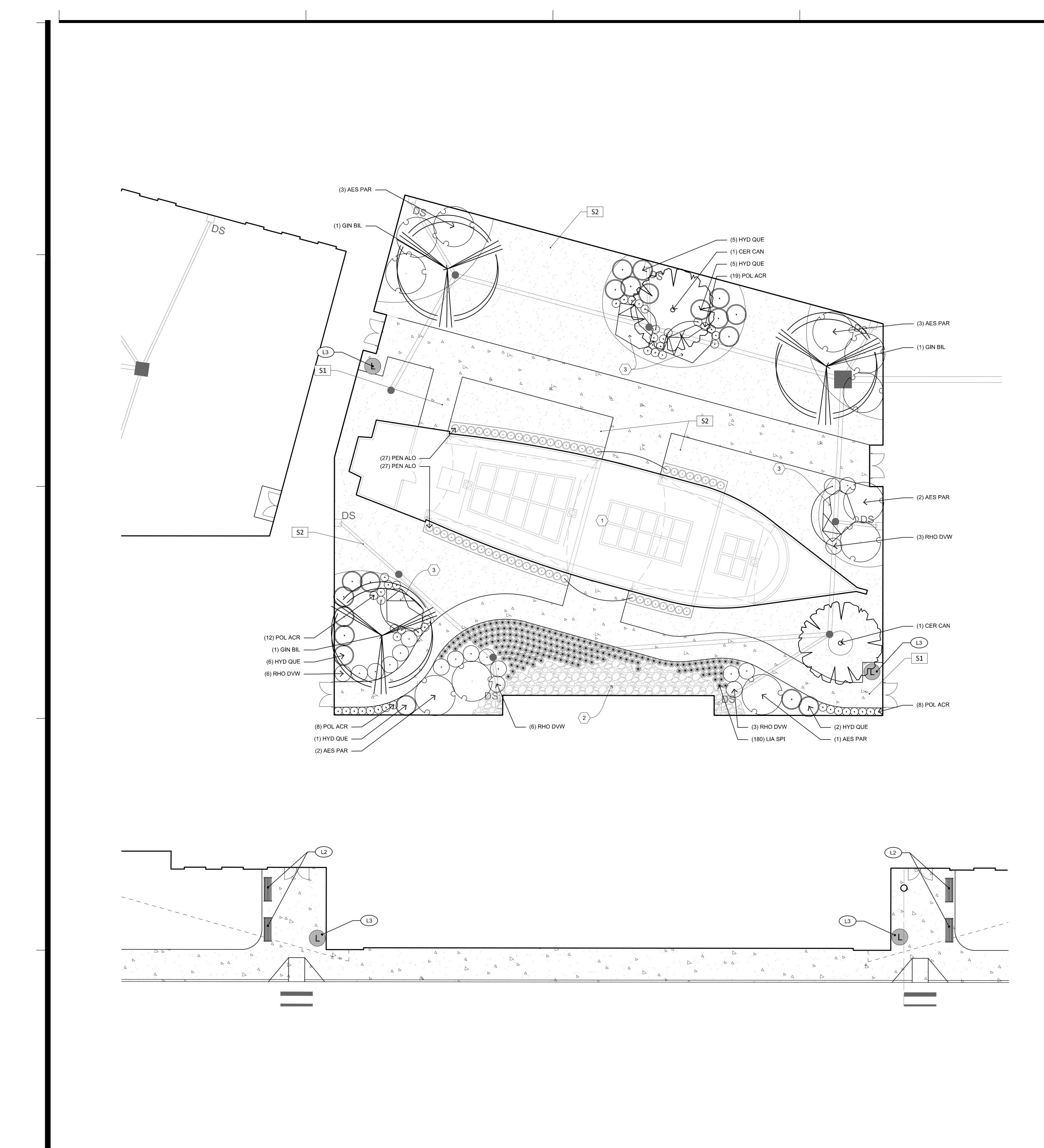
COMPILATION OF AVAILABLE RECORD INFORMATION AND SURFACE INDICATIONS OF UNDERGROUND STRUCTURES AND MAY NOT BE INCLUSIVE. PRECISE LOCATIONS AND THE EXISTENCE OR NON EXISTENCE OF UNDERGROUND UTILITIES CANNOT BE VERIFIED. PLEASE NOTIFY THE OHIO UTILITY PROTECTION SERVICE AT 811 OR 1-800-362-2764 BEFORE ANY PERIOD OF EXCAVATION OR CONSTRUCTION ACTIVITY.











KEYBOTANICAL NAMECOMMON NAMESIZEROOTDECIDUOUTREES:CER CANCERCIS CANADENSISEASTERN REDBUD1.75" CAL.B&BGIN BILGINKGO BILOBA 'AUTUMN GOLD'AUTUMN GOLD GINKGO2" CAL.B&B	REMARKS SPACE PER PLAN SPACE PER PLAN	QUANTIT THIS SHEET 2
CER CAN CERCIS CANADENSIS EASTERN REDBUD 1.75" CAL. B&B		2
		2
GIN BIL GINKGO BILOBA 'AUTUMN GOLD' AUTUMN GOLD GINKGO 2" CAL. B&B	SPACE PER PLAN	
		3
EVERGREEN SHRUBS:		
RHO DVW RHODODENDRON 'DELAWARE VALLEY WHITE' DELAWARE VALLEY WHITE AZALEA 12" HT. MIN, #3 CONT.	SPACE 4' O.C.	18
DECIDUOUS SHRUBS:		
AES PAR AESCULUS PARVIFLORA BOTTLEBRUSH BUCKEYE 36" HT. MIN. CONT.	SPACE 10' O.C.	11
HYD QUE HYDRANGEA QUERCIFOLIA 'RUBY SLIPPERS' RUBY SLIPPERS HYDRANGEA 18" HT. MIN, #3 CONT.	SPACE 5' O.C.	19
PERENNIALS:		
LIA SPI LIATRIS SPICATA BLAZING STAR 12" HT. MIN, #1 CONT.	SPACE 1.5' O.C.	180
POLACR       POLYSTICHUM ACROSTICHOIDES       CHRISTMAS FERN       12" HT. MIN, #1       CONT.	SPACE 2' O.C.	47
GRASSES:		
PEN ALO PENNISETUM ALOPECUROIDES 'HAMELN' HAMELN DWARF FOUNTAIN GRASS 12" HT. MIN, #1 CONT.	SPACE 2' O.C.	54
TURFGRASS SEED / SOD: SEE SPECIFICATIONS		

GENERAL NOTES

SEE SHEET L200 FOR PLANT SCHEDULE, PLANTING NOTES, PLANTING DETAILS, AND ZONING REQUIREMENTS.

PROPERTY LINE SURFACE ITEMS S1 STANDARD CONCRETE TYP, SEE CIVIL DRAWINGS S2 SODDED TURF, TYP. SEE SPECIFICATION 329200 LANDSCAPE ITEMS FLAGPOLE AND DECORATIVE CONCRETE PAVING (L1)BENCH, TYP. (L2) LITTER RECEPTACLE, TYP. (L3)(L4)BIKE RACK PLANT MATERIAL  $\bigcirc$ DECIDUOUS TREE, TYP.  $\odot$ SHRUBS, TYP. PERENNIALS AND GRASSES, TYP. \*0

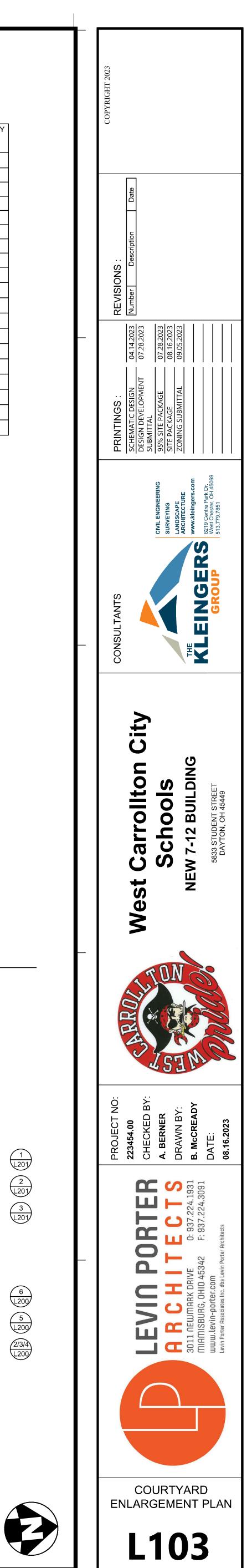
- Ference EXISTING TREES TO REMAIN, PROTECT IN PLACE  $\frac{\text{CODED NOTES:}}{1}$  PIRATE SHIP OUTDOOR CLASSROOMS, SEE ARCH. PLANS

 $\langle 2 \rangle$  STACKED STONES, SEE ARCH. PLANS

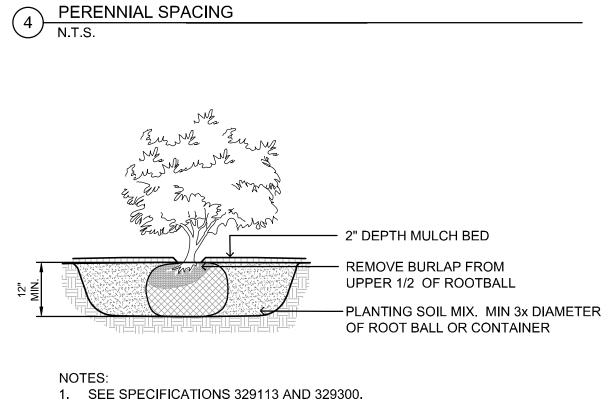
 $\langle 3 \rangle$  LANDSCAPE BOULDER, TYP.

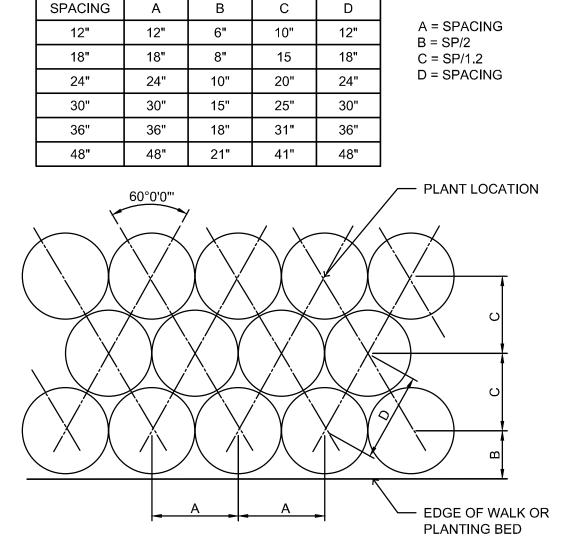
0 5 10 20





# 5 SHRUB PLANTING N.T.S.

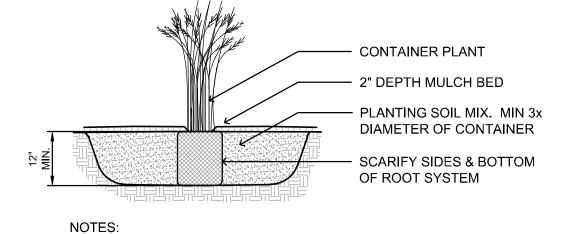




С

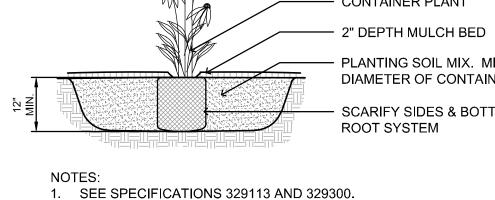
### ORNAMENTAL GRASS PLANTING N.T.S.

1. SEE SPECIFICATIONS 329113 AND 329300.



# 2 PERENNIAL PLANTING N.T.S.

NOTES:

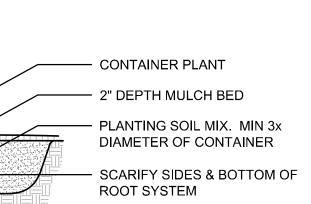


LAWN AREA PLANTING OR MULCH AREA

1. SEE SPECIFICATIONS 329113 AND 329200.

1 PLANTING BED EDGING DETAIL N.T.S.

# - CONTAINER PLANT — 2" DEPTH MULCH BED

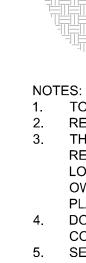


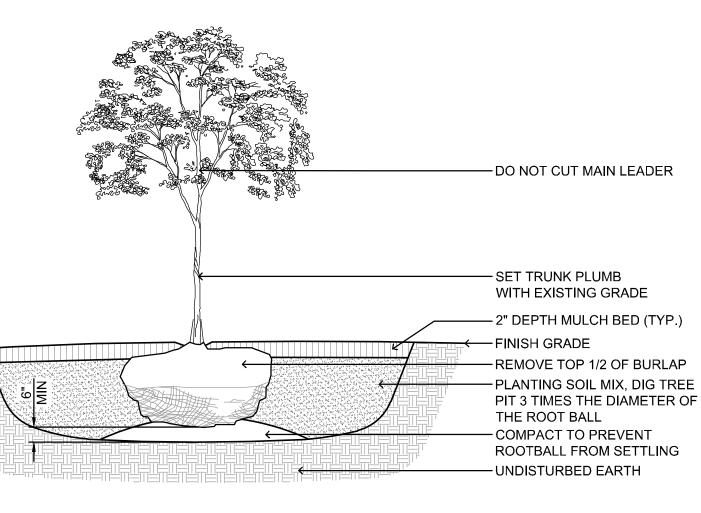
- EXISTING GRADE OF

PLANTING AREA

- MULCH 2" DEPTH

- VERTICAL EDGE





1. TOP OF ROOT BALL TO BE 2"-3" ABOVE ADJACENT FINISHED GRADE. REMOVE ALL LABELS, TAGS, OR OTHER FOREIGN MATERIALS FROM LIMBS. THE AMOUNT OF PRUNING SHALL BE LIMITED TO THE MINIMUM NECESSARY TO REMOVE DEAD OR INJURED TWIGS AND BRANCHES AND TO COMPENSATE FOR THE LOSS OF ROOTS DURING TRANSPLANTING. RETAIN NORMAL SHAPE OF TREE. OWNER'S REPRESENTATIVE WILL DETERMINE AMOUNT OF PRUNING NECESSARY. PLANT TREES AT SAME GRADE AS GROWN IN THE NURSERY. 4. DO NOT STAKE AND GUY TREES UNLESS NEEDED FOR STABILITY BASED ON SITE CONDITIONS OR A DIRECTED BY OWNER'S REPRESENTATIVE. 5. SEE SPECIFICATIONS 329113 AND 329300.

6 DECIDUOUS TREE PLANTING N.T.S.

CITY OF CHAPTE CHAP<sup>-</sup>

PLANTING NOTES

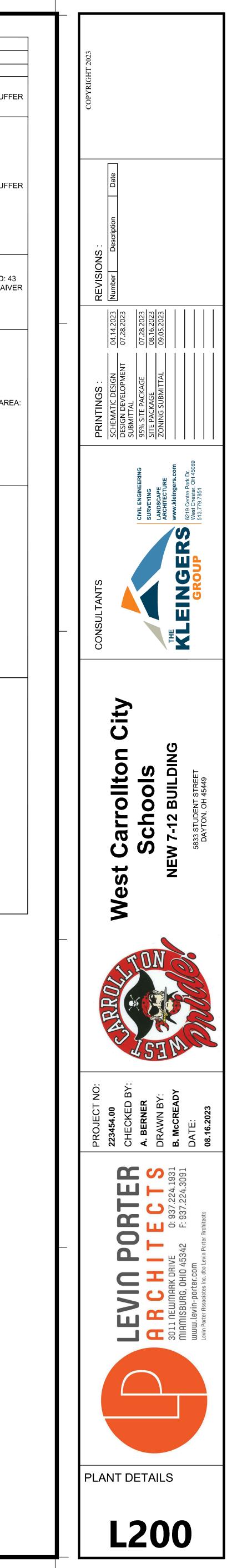
CHAPTER 154.13 LANDSCAPING REQUIREMENTS         CHAPTER 154.13 LANDSCAPING REQUIREMENTS         CHAPTER 154.13 LANDSCAPE AND BUFFER YARD         STANDARDS         WHEN ANY INSTITUTIONAL LAND USE IS PROPOSED TO ABUT ANY L-D, R, OR 0-R DISTRICT OR LAND USE, A MINIMUM LANDSCAPE REQUIREMENT OF 15 FEET SIDE AND REAR BUFFER YARD IS REQUIRED WITH EITHER A STAGGERED, DOUBLE ROW PLANTING OF EVERGRENT TREES @ 15 FEET ON-CENTER OR A SINGLE ROW 6 FEET DENSE HEDGE OR A 6 FOOT SOLID WALL OR FENCE: AND 1 SHADE TREE @ 30 FEET ON-CENTER.       SOUTH PROPERTY LINE: EXISTING VEGETATION FULFILLS BUFF REQUIREMENTS.         CHAPTER 154.13.01.E SCREENING AND BUFFER 154.13.01.E SCREENING AND BUFFER KISTS PRIOR TO DEVELOPMENT OF PROPERTIES IN QUESTION, EVERY EFFORT SHALL BE MADE TO RETAIN SUCH CONDITIONS. IN SUCH CASES, ADDITIONAL SCREENING MAY NOT BE REQUIRED, PROVIDED THAT PROVISION IS MADE FOR MAINTENANCE OF SUCH AREAS.       SOUTH PROPERTY LINE: SOUTH PROPERTY LINE: SOUTH PROPERTY LINE: SOUTH PROPERTY LINE: PROVISION IS MADE FOR MAINTENANCE OF SUCH AREAS.         BUFFERING       WHERE VEGETATIVE AND/OR TOPOGRAPHIC CONDITIONS THAT PROVIDE A NATURAL SCREENING AND BUFFER SOUTH PROPERTY LINE: PROVISION IS MADE FOR MAINTENANCE OF SUCH AREAS.       SOUTH PROPERTY LINE: SOUTH PROPERTY LINE: SOUTH PROPERTY LINE: SOUTH PROPERTY LINE: PROVISION IS MADE FOR MAINTENANCE OF SUCH AREAS.       SOUTH PROPERTY LINE: SOUTH PROPERTY LINE: SOUTH PROPERTY LINE: SOUTH PROPERTY LINE: PROVISION IS MADE FOR MAINTENANCE OF SUCH AREAS.         CHAPTER 154.13.01.E SCREENING AND BUFFERING       THE REQUIREMENT FOR A WALL, FENCE OR GREENBELT MAY BE WAIVED IF EQUIVALENT SCREENING IS PROVIDED BY THE SPACE BETWEEN SUCH FERNEY, PROPERTIES IN ALL BE LANDSCAPE OR SUCH AREAS.       SOUTH PROPERTY	GITT OF WEST OAKROLL	FON LANDSCAPE ZONING REQUIREMENTS REQUIRED	PROPOSED
LMM200F GOD	CHAPTER 154.13 LANDSC		
C-MATER SILLS         The Constraintion of the ALL DEPENDENT OWNER A TRUE OF CONSTRUCT THE PRODUCT OF THE DEPENDENT OWNER AND CONSTRUCT ON THE ALL DEPENDENT OWNER A DEPENDENT OF THE ALL D	LANDSCAPE AND BUFFER YARD	LANDSCAPE REQUIREMENT OF 15 FEET SIDE AND REAR BUFFER YARD IS REQUIRED WITH EITHER A STAGGERED, DOUBLE ROW PLANTING OF EVERGREEN TREES @ 15 FEET ON-CENTER OR A SINGLE ROW 6 FEET DENSE HEDGE OR A 6	EXISTING VEGETATION FULFILLS BUFF
Owner Hit BLD SUPERING         ADD BUTCETENSTO DECLEMENT OF PROSTREES ADDUCTION OF ADDUCTI		TO NONRESIDENTIAL AREAS, A VIEW OBSCURING WALL, FENCE OR GREENBELT SHALL BE PROVIDED BY THE	
CHARTER LANSEL         THE ROUTEMENT FOR A WALL FREE OR GREENELT WY SE WAYD IT COMMENT TO HERE NAMEL COMITION           THE ROUTEMENT FOR A WALL FREE OR GREENELT WY SE WAYD IT COMMENT TO HERE NAMEL COMITIONS           THE RACE ENTYREES, BADY TYCE, WALL ON PLAYING SOME ON THE LOT LINC ON THE ADDREENEN           WHERE NAMEL AND SOME TYCE, WALL ON PLAYING SOME ON THE COMMENT TO HERE NAMEL COMITIONS           WHERE NAMEL AND SOME TYCE, WALL ON PLAYING SOME ON THE COMMENT TO HERE NAMEL COMITIONS           WHERE NAMEL AND SOME TYCE, WALL ON PLAYING SOME ON THE COMMENT TO HERE NAMEL COMITIONS           WHERE NAMEL AND SOME TYCE, WALL ON PLAYING SOME ON THE COMMENT TO HERE NAMEL COMITIONS           WHERE NAMEL AND SOME TYCE, WALL ON PLAYING SOME ON THE COMMENT TO HERE NAMEL AND SOME ON THE COMMENT ADDREE NAMEL ADDRE	SCREENING AND	AND BUFFER EXISTS PRIOR TO DEVELOPMENT OF PROPERTIES IN QUESTION, EVERY EFFORT SHALL BE MADE TO RETAIN SUCH CONDITIONS. IN SUCH CASES, ADDITIONAL SCREENING MAY NOT BE REQUIRED, PROVIDED THAT	EXISTING VEGETATION FULFILLS BUFF
APP HESIGENIAL DIFFICUS SHALL BE LANDSCHEP WITH GRASS, HARDY SHUES, OR EVERGEEN GRUNDOVER         International Control (Control (Contro) (Control (Control (Control (Control (Control (Con			
OHAPETER VALUULA VARGAANS OF AND TAY PUBLIC OR PROVED TO TAKE STREET, A MINIMUM AND CARE RESUMENTION OF FUE (PLANET VARGAANS OF AND TAY PUBLIC OR PROVED TO TAKE CONCERT CONCERNMENT AND STREET VARGAANS OF AND TAY PUBLIC OR PROVED TO TAKE CONCERNMENT AND STREET VARGAANS OF AND TAY PUBLIC OR PROVED TO TAKE CONCERNMENT AND STREET VARGAANS OF AND TAY PUBLIC OR PROVED TO TAKE AND TAKE CONCERNMENT AND STREET VARGAANS OF AND TAXE AND TAXE AND TAKE AND TAKE AND TAKE AND TAKE AND TAKE AND TAKE AND TAKE PERMETER STREET AND AND TAKE AND TAKE PERMETER STREET AND TAKE AND TAKE PERMETER STREET AND TAKE AND TA		ANY RESIDENTIAL DISTRICT SHALL BE LANDSCAPED WITH GRASS, HARDY SHRUBS, OR EVERGREEN GROUND COVER	
Contract is is isolated in 1993 and these         Permitter is isolated in 1993 and these           Image: Contract is isolated in the image: Contract isolated in t	LANDSCAPING FOR VEHICULAR USE AREAS	PROPOSED TO ABUT ANY PUBLIC OR PRIVATE STREET, A MINIMUM LANDSCAPE REQUIREMENT OF FIVE (5) FEET PERIMETER SCREENING WITH A 6 INCH CONCRETE CURB ON THE PARKING LOT SIDE, AND WITH EITHER 1 SHADE TREE @ 30 FEET ON-CENTER; AND SHRUBS @ 3 FEET ON-CENTER OR 1 ACCENT TREE @ 25 FEET ON-CENTER (1 TREE	I-75 PERIMETER TREES PROVIDED: 4 SHRUBS NOT PROVIDED DUE TO WAIV AND ELEVATION OF I-75.
CHAPTER 16.153, SHALL FROME INTENDOLLANDSCAPTING THE PENINSULAR OR SUMO TYPES OF UNCOMPACED, VELLOWARDS AND AND AND AND AND THE PENINSULAR OR SUMO THE PENENSULAR OF THE TOTAL AREA DEVOTED TO PARAMA LANSSCAPE AND PARAMA LANSS ANALL BE LANSSCAPE AND AND THE SOL OF THE TOTAL AREA THE MININUM LANSSCAPE AND PARAMA LANSS ANALL BE LANSSCAPE AND PARAMA LANSS AND AND AND DEVENING AND	LANDSCAPE REQUIRED)	PERIMETER TREES REQUIRED = 1280 / 30 = 43 TREES	
CHAPTER 16.13.01.6 LANDSCAPE 16.13.01.6 LANDSCAPE 16.13.01.6 VEHICULAR USE JARGE VEHICULAR USE JARGE NUMBULI CONTICULAR USE SUBJECT 16.10.01.00.11.01.01.02.01.01.01.01.01.01.01.01.01.01.01.01.01.		SPACES, WHICHEVER IS LESS, SHALL PROVIDE INTERIOR LANDSCAPING OF THE PENINSULAR OR ISLAND TYPES OF UNCOMPACTED, WELL-DRAINED SOIL AS WELL AS PERIMETER LANDSCAPING. AN AREA EQUAL TO FIVE PERCENT (5%)	
OPERATION OF CONTROL       Model by Control books the in Note to Devel the Next the Next the Next the Next to Section 2014 and 1000 and 2014 an			
CHAPTER 15.1.30.1F.         SERVICE STRUCTURES SHALL BE INSTALLED FOR EVERY 5.000 SQUARE FEET OF TOTAL GROUND COVERED BY STRUCTURES AND PAVEMENT.         PROVIDED TREES ON PAVEMENT.           OHAPTER 15.1.30.1F.G.3         TO RETIAN VISIBILITY. DECOLOLUS TREES HAVE A CLEAR TRINK OF AT LEAST FOR EVERY B.0.00 GROUND COVERED BY STRUCTURES AND PAVEMENT.         TO RETIAN VISIBILITY. DECOLOLUS TREES HAVE A CLEAR TRINK OF AT LEAST FOR EVERY B.0.00 CROUND COVERED BY STRUCTURES AND THE REMAINING AREA SHALL BE LANDSCAPED WITH IMSDROOD MLC OF MEDBLAST CON OF THE REMAINING AREA SHALL BE LANDSCAPED WITH IMSDROOD MLC OF MEDBLAST CON OF THE REMAINING AREA SHALL BE CLEAR TRINK OF AT LEAST FOR THE SECTION OF THE REMAINING AREA SHALL BE CLEAR TO FUEL TO THE CLEAR THE RECOMPORTANCE SECTION OF THE REMAINING AREA SHALL BE CLEAR TO THE APPOPRIATE SECTION OF THE REMAINING AREA SHALL BE CLEAR THE RECOMPOSITION OF MANY LANDSCAPED THEES THE SET CLEAR TO THE SET ON THE REST OF THE SET ON THE SET OF THE SET ON T	(AMOUNT OF	DISPERSED, NO INDIVIDUAL LANDSCAPE AREA SHALL BE LARGER THAN 350 SQUARE FEET IN SIZE IN VEHICULAR USE AREAS LESS THAN 30,000 SQUARE FEET AND NO INDIVIDUAL AREA SHALL BE LARGER THAN 1,500 SQUARE FEET IN SIZE IN VEHICULAR AREAS OVER 30,000 SQUARE FEET. INDIVIDUAL LANDSCAPE AREAS LARGER THAN THAT INDICATED ABOVE SHALL BE PERMITTED AS LONG AS THE ADDITIONAL AREA IS IN EXCESS OF THE REQUIRED MINIMUM TOTAL FOR	
CHAPTER 154.13.01.3       Image: Control of the set of the			
CHAPTER 154 13.01.G.3 LANDSCAPING FOR UCHCULCAL VERSA REAS (MINIMUM TREE SPECIFICATIONS)       REMAINING AREA SHALL BE LANDSCAPED WITH HAROWOOD MULCH, SHRUES, AND/OR GROUND COVER, NOT TO EXCEED TWO FEET IN HEIGHT.       PERMITTED TREES TO FULFILL THIS REQUIREMENT TINE LEDE THO THE APPROPRIATE SECTION OF THE RECOMMENDED LIST OF TREES FOR WEST CARROLLTON. 'GROUPED ORNAMENTAL AND EVERGREEN TREES CANNOT BUSDTO FULFILL THIS REQUIREMENT. THE REQUIREMENT THE REQUIREMENT THE REQUIREMENT THE REQUIREMENT AND VERGOREEN TREES CANNOT INSTANCE OF SUFFICIENT SIZE TO SUPPORT A MATURE TREE SPECIMEN AND SANLAL MEET THE REQUIREMENT THE REQUIREMENT THE REQUIREMENT THE REQUIREMENT THE REQUIREMENT THE REQUIREMENTS DEFINED IN S AREA OF SUFFICIENT SIZE TO SUPPORT A MATURE TREE SPECIMEN AND SANLAL MEET THE REQUIREMENTS DEFINED IN S AREA OF SUFFICIENT SIZE TO SUPPORT A MATURE TREE SPECIMEN AND SANLAL MEET THE REQUIREMENTS DEFINED IN S AREA OF SUFFICIENT SIZE TO SUPPORT A MATURE TREE SPECIMEN AND SANLAL MEET THE REQUIREMENTS DEFINED IN S MINIMUM REQUIRED TREES = 373.488 / 5000 * 2 = 150 TREES       PROVIDED TREES: 150         CHAPTER 154.13.01       SERVICE STRUCTURES SHALL BE SCREENED IN ALL ZONING DISTRICTS. SERVICE STRUCTURES SHALL INCLUDE BUT NOT BE LIMITED TO: LOADING DOCKS, PROPANE TANKS, DUMPSTERS, COUTDONG STORAGE AREAS. ELECTRICAL TRANSFORMERS, UTILTY VALUES AND OTHER COUPENTS FROUDINDS SERVICE TO A BUILDING OR A SITE. STRUCTURES MAY BE GROUPED TO CETHER. HOWER, SCREENEN HEIGHT STRUCTURE, BUST OF THE STRUCTURES.       ELECATION OF SCREENING A CONTINUOUS PLANTING OF EVERGREEN FREENES.       ELECATION OF MEET THE CHAPTER 154.13.011, LANDSCAPING FOR SITUE STRUCTURES ON THE SCRUCTURE SITUE TURE MUST BE FROUT THE BASED UPON THE TALLEST OF THE STRUCTURE NA ANY CASE. IF THE FOURTH SDE IS SHOLL STRUCTURE BUT SHALL ON FREE APECIDES THAT THE STRUCTURES STRUCTURES ON ATTERNA AND SHELE SCREENTS HAT THE TAN IS NEEDLES THROUGHOUT THE			
VEHICULAR USE AREAS       PERMITTED TREES TO FULFILL THIS REQUIREMENT INCLUDE THOSE LISTED IN THE APPROPRIATE SECTION OF THE MINIMUM TREES SPECIFICATIONS)       PERMITTED TREES TO FULFILL THIS REQUIREMENT, THE REQUIRED ORNAMENTAL AND EVERGREEN TREES CANNOT SPECOMMENDED LIST OF TREES FOR WEST CARROLLTON, "GOUPED ORNAMENTAL AND EXPERIMENT AND SCAPED AREA OF SUFFICIENT SIZE TO SUPPORT A MATURE TREES SPECIMEN AND SHALL MEET THE REQUIREMENTS DEFINED IN § DATE OF SUFFICIENT SIZE TO SUPPORT A MATURE TREES SPECIMEN AND SHALL MEET THE REQUIREMENTS DEFINED IN § 154 13.01(D) ABOVE.       PROVIDED TREES: 150         VIENDATION       TOTAL GROUND COVERED BY STRUCTURES AND PAVEMENT: 373,488 SF MINIMUM REQUIRED TREES = 373,488 / 5000 * 2 = 150 TREES       SERVICE STRUCTURES SHALL BE SCREENED IN ALL ZONING DISTRICTS. SERVICE STRUCTURES SHALL INCLUDE BUT NOT BE LIMITED TO: LOADNO GOCKS, PROPANE TANKS, DUMPSTERS, OUTDOOR STORAGE AREAS, ELECTRICAL TRANSPORMERS, UTILITY VAULTS AND OTHER COUPMENT OR ELEMENTS PROVIDING SERVICE TO A BUILDING OR A SITE. STRUCTURES WAY BE GROUPED TOOETHER, HOWEVER, SCREENNEN HEIGHT SHALL BE BASED UPON THE TALLEST OF THE STRUCTURES.       LOCATION OF SCREENING, A CONTINUOUS PLANTING OF EVERGREEN, FENCE, WALL OR EARTHEN MOUND MUST ENCLOSE ANY SERVICE STRUCTURE ON ALLEDES, JULESS SUICH STRUCTURE, BUT SHALL NOT DE REQUENTLY MOVED OR ACCESSED. IN WHICH CASE SCREENING MATERIAL SHALL BE STAULISHED ON THREE SIDES AND SHALL BE AT LEAST OF THE STRUCTURES.       PROVIDED TOETHER PROVIDED TREES: THAT HEIGHT THAN THE HEIGHT OF THE ENCLOSED STRUCTURE, BUT SHALL NOT DE REGUENDENT MOVED OR ACCESSED. IN WHICH CASE SCREENING MATERIAL SALL BE STAULISHED TO THESE STAULE THE ADD SCREENENG PLANT MATERIAL ALNOT DE RECORDERED THAT STRUCTURES STRUCTURE OF ALL USED TO SCREEN AS SERVICE STRUCTURES STRUCTURES IN THE SERVICE AREAS AND STRUCE AREAS AND STRUCE AREAS AND STRUCE AREAS AND STRUCE AREAS AND STRUCE AREA		REMAINING AREA SHALL BE LANDSCAPED WITH HARDWOOD MULCH, SHRUBS, AND/OR GROUND COVER, NOT TO	
CHAPTER 154,13.01H       SCREVICE STRUCTURES CALL BE SCREENED IN ALL ZONING DISTRICTS. SERVICE STRUCTURES SHALL INCLUDE BUT NOT BE LIMITED TO: LOADING DOCKS, PROPANE TANKS, DUMPSTERS, OUTDOOR STORAGE AREAS, ELECTRICAL TRANSFORMERS, UTILITY VAULTS AND OTHER EQUIPMENT OR ELEMENTS PROVIDING SERVICE TO A BUILDING OR A STE. STRUCTURES MAY BE GROUPED TOGETHER, HOWEVER, SCREENING HEIGHT SHALL BE BASED UPON THE TALLEST OF THE STRUCTURES.         CHAPTER 154,13.01H       LOCATION OF SCREENING. A CONTINUOUS PLANTING OF EVERGREEN, FENCE, WALL OR EARTHEN MOUND MUST ENCLOSE ANY SERVICE STRUCTURES SULLESS SUCH STRUCTURE MUST BE FREQUENTLY MOVED OR ACCESSED. IN WHICH CASE SCREENING MATERIAL SHALL BE STABLISHED ON THREE SIDES AND SHALL BE AT LEAST OF THE STRUCTURES.         SERVICE ARY SERVICE STRUCTURE THE FOURTH SIDE IS VISIBLE FROM THE PUBLIC RIGHT-OF-WAY, IT SHALL BE GATED ONE FOOT TALLER THAN THE HEIGHT OF THE ENCLOSED STRUCTURE SHALL BE AN EVERGREEN SPECIES THAT FEET IN HEIGHT IN ANY CASE. IF THE FOURTH SIDE IS VISIBLE FROM THE PUBLIC RIGHT-OF-WAY, IT SHALL BE GATED AND SCREENED. PLANT MATERIAL USED TO SCREEN A SERVICE STRUCTURE SHALL BE AN EVERGREENS SPECIES THAT RETAINS ITS NEEDLES THROUGHOUT THE YEAR DECODUOUS PLANT MATERIAL ACANOT BE USED TO FULFILL THIS SCREENING REQUIREMENT. THE HEIGHT OF THE SERVICE STRUCTURE STRUCTURE SHALL BE AN EVERGREEN SPECIES THAT HEIGHT RAUN, TWO-THIRDS OF THE HEIGHT OF THE SERVICE STRUCTURES SALL BE AN EVERGREEN SPECIES THAT HUNDRED PERCENT (100%) OPACITY REQUIREMENT WITHIN FOUR YEARS.         WHENEVER A SERVICE STRUCTURE IS LOCATED NEXT TO A BUILDING, WALL, OR VEHICULAR USE AREA. THE BUILDING, WHENEVER SERVICE STRUCTURE IS LOCATED NEXT TO A BUILDING, WALL, OR VEHICULAR USE AREA. THE BUILDING, WHENEVER SERVICE STRUCTURE IF THE BUILDING, WALL, OR SCREENING MATERIAL IS OF SUFFICIENT HEIGHT TO MEET THE HEIGHT REQUIREMENTS SET OUT IN THIS SECTION. <t< td=""><td>VEHICULAR USE AREAS (MINIMUM TREE</td><td>"RECOMMENDED LIST OF TREES FOR WEST CARROLLTON." GROUPED ORNAMENTAL AND EVERGREEN TREES CANNOT BE USED TO FULFILL THIS REQUIREMENT. THE REQUIRED NUMBER OF TREES MAY BE PLACED IN ANY LANDSCAPED AREA OF SUFFICIENT SIZE TO SUPPORT A MATURE TREE SPECIMEN AND SHALL MEET THE REQUIREMENTS DEFINED IN §</td><td>PROVIDED TREES: 150</td></t<>	VEHICULAR USE AREAS (MINIMUM TREE	"RECOMMENDED LIST OF TREES FOR WEST CARROLLTON." GROUPED ORNAMENTAL AND EVERGREEN TREES CANNOT BE USED TO FULFILL THIS REQUIREMENT. THE REQUIRED NUMBER OF TREES MAY BE PLACED IN ANY LANDSCAPED AREA OF SUFFICIENT SIZE TO SUPPORT A MATURE TREE SPECIMEN AND SHALL MEET THE REQUIREMENTS DEFINED IN §	PROVIDED TREES: 150
CHAPTER 154.13.01.H LANDSCAPING FOR SERVICE STRUCTURESNOT BE LIMITED TO: LOADING DOCKS, PROPANE TANKS, DUMPSTERS, OUTDOOR STORAGE AREAS, ELECTRICAL TRANSFORMERS, UTILITY VAULTS AND OTHER EQUIPMENT OR ELEMENTS PROVIDING SERVICE TO A BUILDING OR A SITE. STRUCTURES MAY BE GROUPED TOGETHER, HOWEVER, SCREENING HEIGHT SHALL BE BASED UPON THE TALLEST OF THE STRUCTURES.CHAPTER 154.13.01.H LANDSCAPING FOR SERVICE RETURE THAN THE HEIGHT OF THE ENCLOSED STRUCTURE, BUT SHALL BE AT LEAST ONE FOOT TALLER THAN THE HEIGHT OF THE ENCLOSED STRUCTURE, BUT SHALL BE AT LEAST ONE FOOT TALLER THAN THE HEIGHT OF THE ENCLOSED STRUCTURE, BUT SHALL BE AT LEAST ONE FOOT TALLER THAN THE HEIGHT OF THE EVERGREEN FENCE KURG ENSPECIES THAT RETAINS ITS NEEDLES THROUGHOUT THE YEAR. DECIDUOUS PLANT MATERIAL CANNOT BE USED TO FULFILL THIS SCREENIO, PLANT MATERIAL USED TO SCREEN A SERVICE STRUCTURE, SHALL BE AN EVERGREEN SPECIES THAT RETAINS ITS NEEDLES THROUGHOUT THE YEAR. DECIDUOUS PLANT MATERIAL CANNOT BE USED TO FULFILL THIS SCREENING REQUIREMENT. THE HEIGHT OF THE EVERGREEN PLANT MATERIAL AT INSTALLATION MUST BE EQUAL TO, OR GREATER THAN, TWO-THINGS OF THE HEIGHT OF THE ESTRUCE STRUCTURE(S) AND MEET THE HEIGHT AND ONE HUNDRED PERCENT (100%) OPACITY REQUIREMENT WITHIN FOUR YEARS.WHENEVER A SERVICE STRUCTURE IS LOCATED NEXT TO A BUILDING, WALL, OR VEHICULAR USE SCREENING REQUIREMENT. THE HEIGHT OF THE SERVICE STRUCTURE(S) AND MEET THE HEIGHT TO MEET THE HUNDRED PERCENT (100%) OPACITY REQUIREMENT WITHIN FOUR YEARS.WHENEVER A SERVICE STRUCTURE IS LOCATED NEXT TO A BUILDING, WALL, OR VEHICULAR USE SCREENING REQUIREMENT FOR THAT SIDE OF THE SERVICE STRUCTURE IS LOCATED NEXT TO A BUILDING, WALL, OR VEHICULAR USE SCREENING MATERIAL, MAY FULFILL THE SCREENING REQUIREMENT FOR THAT SIDE OF THE SERVICE STRUCTURE IS LOCATED NEXT TO A BUILDING, WALL, OR VEHICULAR USE SCREENING MATERIAL, MAY FULFILL THE SC			
CHAPTER 154.13.01.H LANDSCAPING FOR SERVICE STRUCTURESENCLOSE ANY SERVICE STRUCTURE ON ALL SIDES, UNLESS SUCH STRUCTURE MUST BE FREQUENTLY MOVED OR ACCESSED, IN WHICH CASE SCREENING MATERIAL SHALL BE ESTABLISHED ON THREE SIDES AND SHALL BE AT LEAST ONE FOOT TALLER THAN THE HEIGHT OF THE ENCLOSED STRUCTURE, BUT SHALL NOT BE REQUIRED TO EXCEED TEN CHAPTER 154.13.01.H LANDSCAPING FOR SERVICE AREAS AND STRUCTURESENCLOSE ANY SERVICE STRUCTURE ON THE PUBLIC RIGHT-OF-WAY, IT SHALL BE GATED AND SCREENED. PLANT MATERIAL USED TO SCREEN A SERVICE STRUCTURE SHALL BE AN EVERGREEN SPECIES THAT RETAINS ITS NEEDLES THROUGHOUT THE YEAR. DECIDUOUS PLANT MATERIAL CANNOT BE USED TO FULFILL THIS SCREENING REQUIREMENT. THE HEIGHT OF THE EVERGREEN PLANT MATERIAL CANNOT BE USED TO FULFILL THIS SCREENING REQUIREMENT. THE HEIGHT OF THE EVERGREEN PLANT MATERIAL AT INSTALLATION MUST BE EQUAL TO, OR GREATER THAN, TWO-THIRDS OF THE HEIGHT OF THE SERVICE STRUCTURE(S) AND MEET THE HEIGHT AND ONE HUNDRED PERCENT (100%) OPACITY REQUIREMENT WITHIN FOUR YEARS.PROVIDEDWHENEVER A SERVICE STRUCTURE IS LOCATED NEXT TO A BUILDING, WALL, OR VEHICULAR USE AREA, THE BUILDING, WALL, OR VEHICULAR USE SCREENING MATERIAL MAY FULFILL THE SCREENING REQUIREMENT FOR THAT SIDE OF THE SERVICE STRUCTURE IF THE BUILDING, WALL, OR SCREENING MATERIAL IS OF SUFFICIENT HEIGHT TO MEET THE HEIGHT REQUIREMENTS SET OUT IN THIS SECTION.WHENEVER SERVICE STRUCTURES ARE SCREENED BY PLANT MATERIAL, SUCH MATERIAL MAY COUNT TOWARD THE FULFILLMENT OF REQUIRED INTERIOR OR PERIMETER LANDSCAPING. NO INTERIOR LANDSCAPING SHALL BE REQUIRED		NOT BE LIMITED TO: LOADING DOCKS, PROPANE TANKS, DUMPSTERS, OUTDOOR STORAGE AREAS, ELECTRICAL TRANSFORMERS, UTILITY VAULTS AND OTHER EQUIPMENT OR ELEMENTS PROVIDING SERVICE TO A BUILDING OR A SITE. STRUCTURES MAY BE GROUPED TOGETHER, HOWEVER, SCREENING HEIGHT SHALL BE BASED UPON THE TALLEST	
WALL, OR VEHICULAR USE SCREENING MATERIAL MAY FULFILL THE SCREENING REQUIREMENT FOR THAT SIDE OF THE SERVICE STRUCTURE IF THE BUILDING, WALL, OR SCREENING MATERIAL IS OF SUFFICIENT HEIGHT TO MEET THE HEIGHT REQUIREMENTS SET OUT IN THIS SECTION. WHENEVER SERVICE STRUCTURES ARE SCREENED BY PLANT MATERIAL, SUCH MATERIAL MAY COUNT TOWARD THE FULFILLMENT OF REQUIRED INTERIOR OR PERIMETER LANDSCAPING. NO INTERIOR LANDSCAPING SHALL BE REQUIRED	LANDSCAPING FOR SERVICE AREAS AND	ENCLOSE ANY SERVICE STRUCTURE ON ALL SIDES, UNLESS SUCH STRUCTURE MUST BE FREQUENTLY MOVED OR ACCESSED, IN WHICH CASE SCREENING MATERIAL SHALL BE ESTABLISHED ON THREE SIDES AND SHALL BE AT LEAST ONE FOOT TALLER THAN THE HEIGHT OF THE ENCLOSED STRUCTURE, BUT SHALL NOT BE REQUIRED TO EXCEED TEN FEET IN HEIGHT IN ANY CASE. IF THE FOURTH SIDE IS VISIBLE FROM THE PUBLIC RIGHT-OF-WAY, IT SHALL BE GATED AND SCREENED. PLANT MATERIAL USED TO SCREEN A SERVICE STRUCTURE SHALL BE AN EVERGREEN SPECIES THAT RETAINS ITS NEEDLES THROUGHOUT THE YEAR. DECIDUOUS PLANT MATERIAL CANNOT BE USED TO FULFILL THIS SCREENING REQUIREMENT. THE HEIGHT OF THE EVERGREEN PLANT MATERIAL AT INSTALLATION MUST BE EQUAL TO, OR GREATER THAN, TWO-THIRDS OF THE HEIGHT OF THE SERVICE STRUCTURE(S) AND MEET THE HEIGHT AND ONE	PROVIDED
FULFILLMENT OF REQUIRED INTERIOR OR PERIMETER LANDSCAPING. NO INTERIOR LANDSCAPING SHALL BE REQUIRED		WALL, OR VEHICULAR USE SCREENING MATERIAL MAY FULFILL THE SCREENING REQUIREMENT FOR THAT SIDE OF THE SERVICE STRUCTURE IF THE BUILDING, WALL, OR SCREENING MATERIAL IS OF SUFFICIENT HEIGHT TO MEET THE	
		FULFILLMENT OF REQUIRED INTERIOR OR PERIMETER LANDSCAPING. NO INTERIOR LANDSCAPING SHALL BE REQUIRED	

1. EACH CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES. 2. CONTRACTOR SHALL VERIFY ALL PLANTING CONDITIONS FOR OBSTRUCTIONS, EXISTING TREE CANOPY COVERAGE, AND OVERHEAD ELECTRICAL POWER LINES PRIOR TO PLANTING. IF ADVERSE PLANTING CONDITIONS ARE OBSERVED, CONTACT THE OWNERS REPRESENTATIVE IMMEDIATELY. 3. ALL SHRUB MASSES TO BE INCORPORATED BY A CONTINUOUS MULCH BED TO LIMITS SHOWN AND AS SPECIFIED. MULCH BEDS TO HAVE A NEAT, EDGED

APPEARANCE. 4. SUBSURFACE IMPROVEMENTS SHALL BE OBSERVED. THE CONTRACTOR SHALL CONTACT THE OHIO UTILITIES PROTECTION SERVICE (OUPS) 48 HOURS PRIOR TO ANY EXCAVATION OR DIGGING TO ENSURE THE LOCATION OF UNDERGROUND UTILITIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT SUCH UNDERGROUND UTILITIES. 5. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE FINE GRADED AND SEEDED.

6. ALL TREES WITHIN A SPECIES SHALL HAVE MATCHING FORM. 7. THE CONTRACTOR SHALL ENSURE THAT ALL NEWLY PLANTED TREES ARE PERFECTLY ALIGNED AND SET PLUMB WITH PROPER RELATIONSHIP TO THE

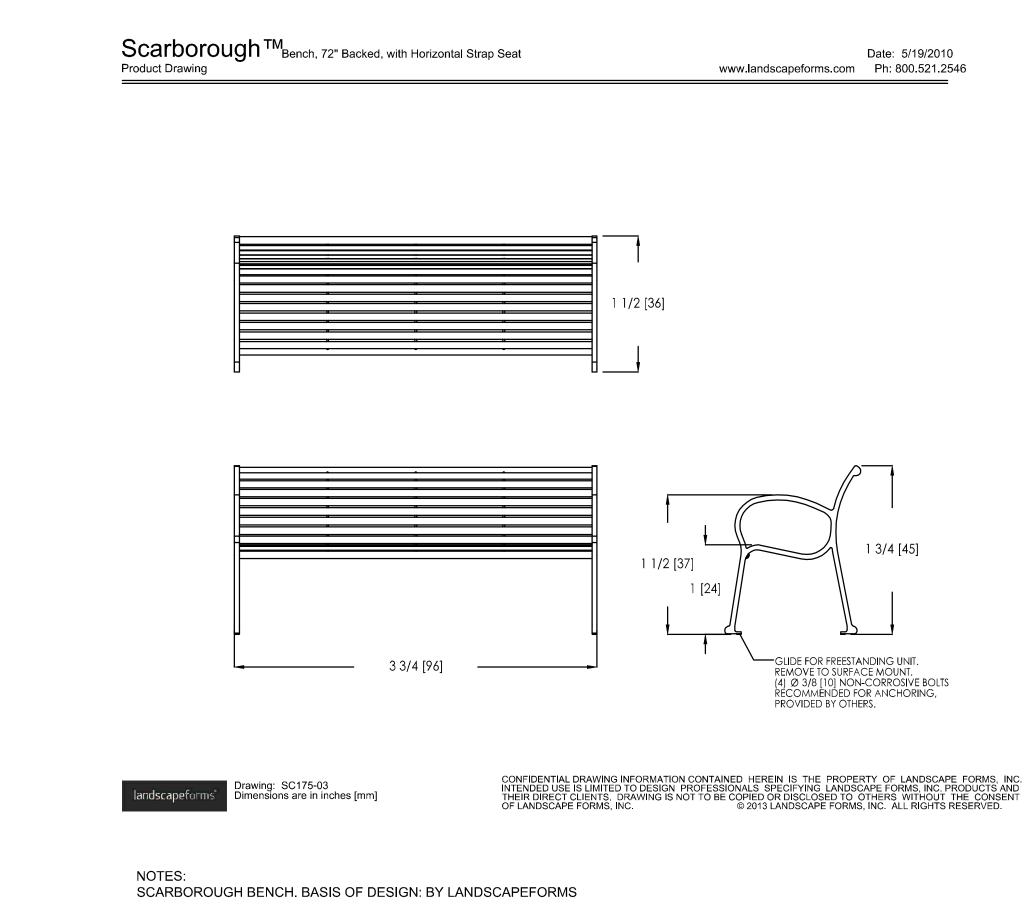
SURROUNDING GRADE. CONFIRM FINISHED GRADE PRIOR TO PLANTING. 8. ALL PLANT MATERIAL SHALL BE OF THE SIZE AND TYPE SPECIFIED. IF SUBSTITUTIONS ARE APPROVED BY THE OWNER'S REPRESENTATIVE, THE SIZE AND GRADING STANDARDS SHALL CONFORM TO THOSE OF THE AMERICAN ASSOCIATION OF NURSERYMEN.



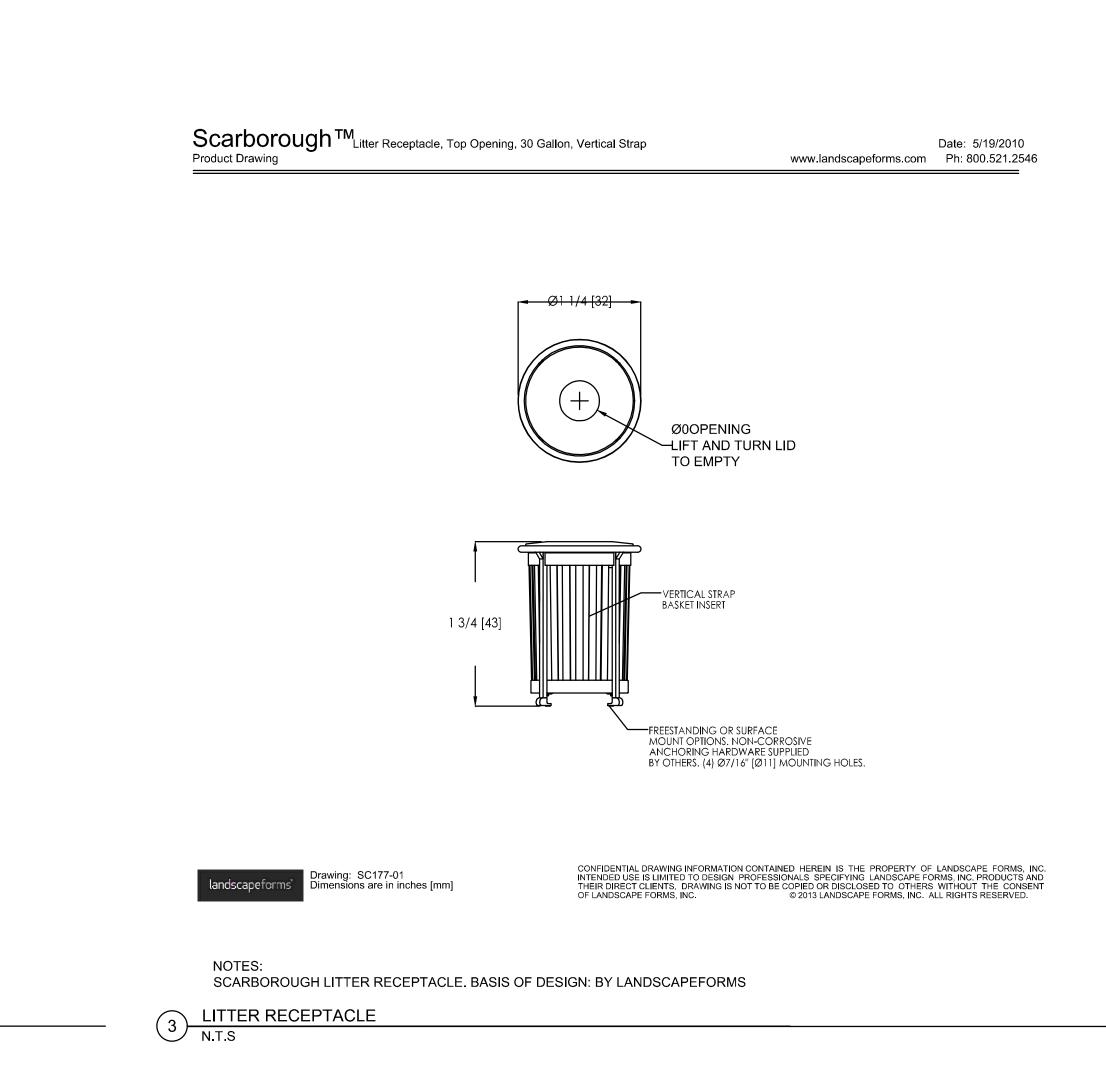
PLACEHOLDER

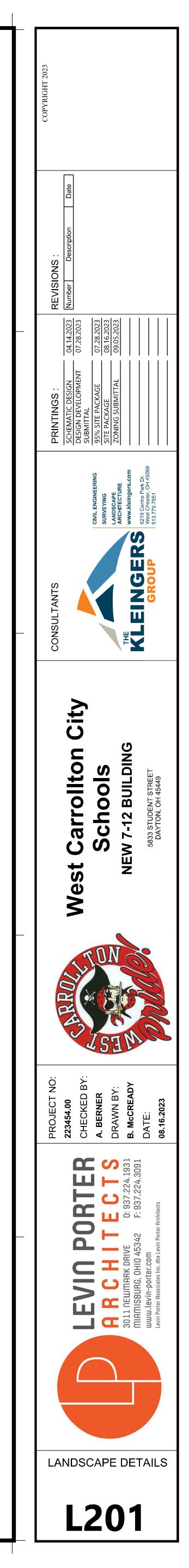
1 FLAGPOLE AND DECORATIVE CONCRETE PAVING N.T.S

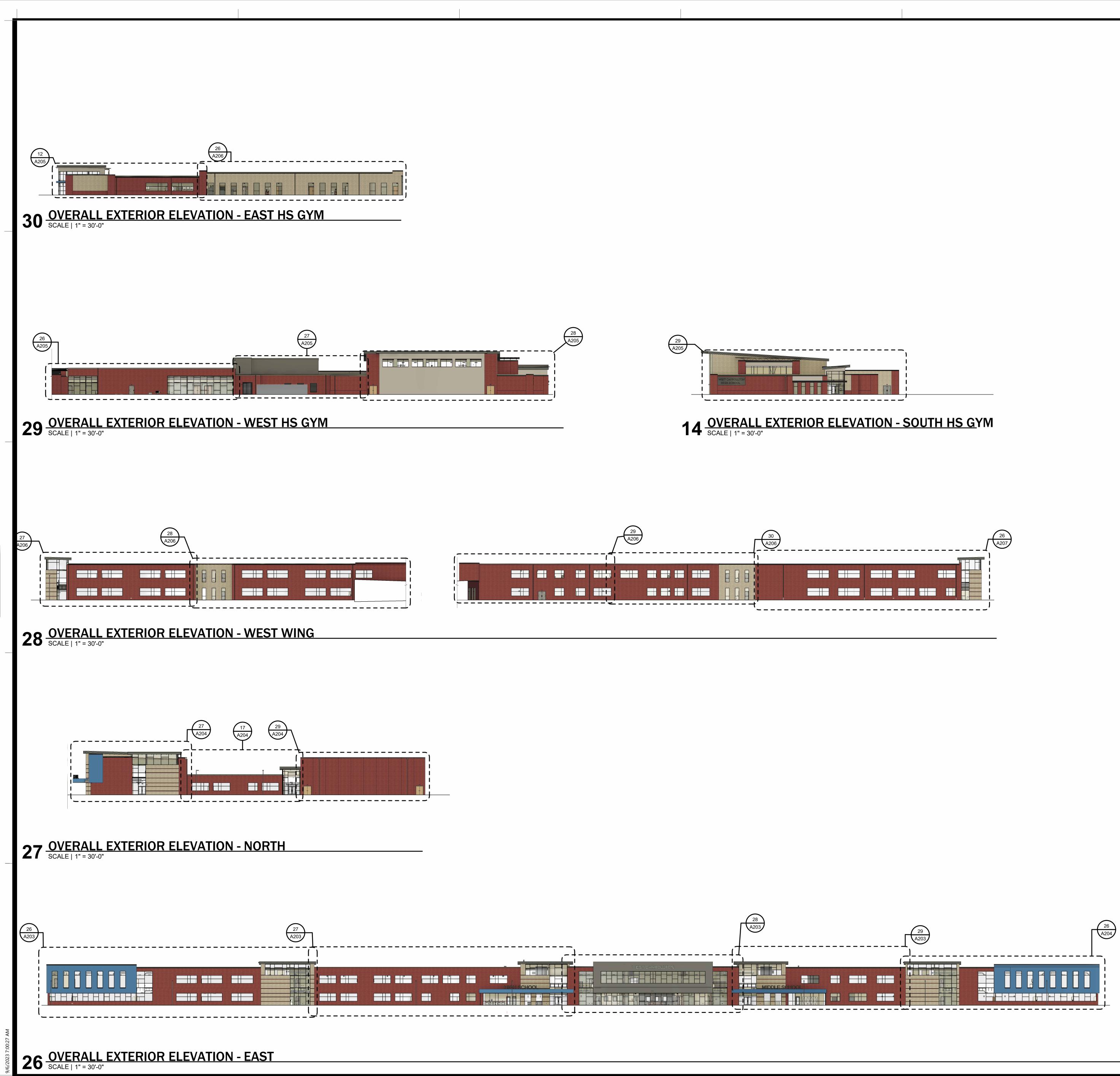
\_\_\_\_\_



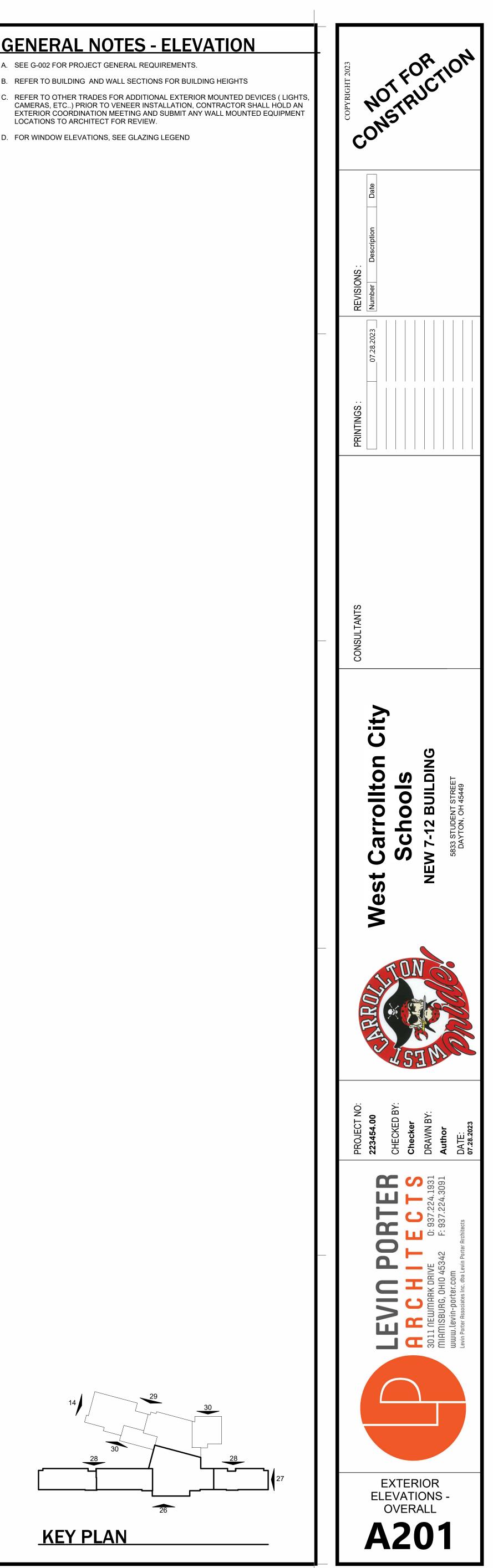
2 BENCH N.T.S







- A. SEE G-002 FOR PROJECT GENERAL REQUIREMENTS.
- B. REFER TO BUILDING AND WALL SECTIONS FOR BUILDING HEIGHTS
- D. FOR WINDOW ELEVATIONS, SEE GLAZING LEGEND





**11** ENLARGED EXTERIOR ELEVATION SCALE | 1/8" = 1'-0"

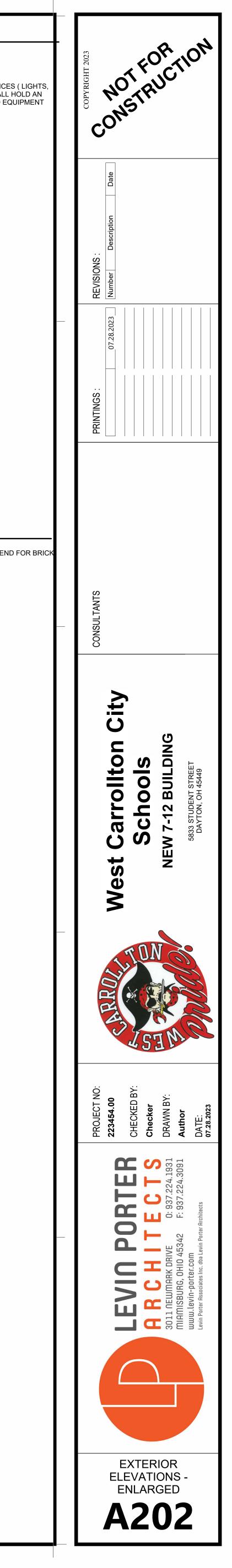
# **GENERAL NOTES - ELEVATION**

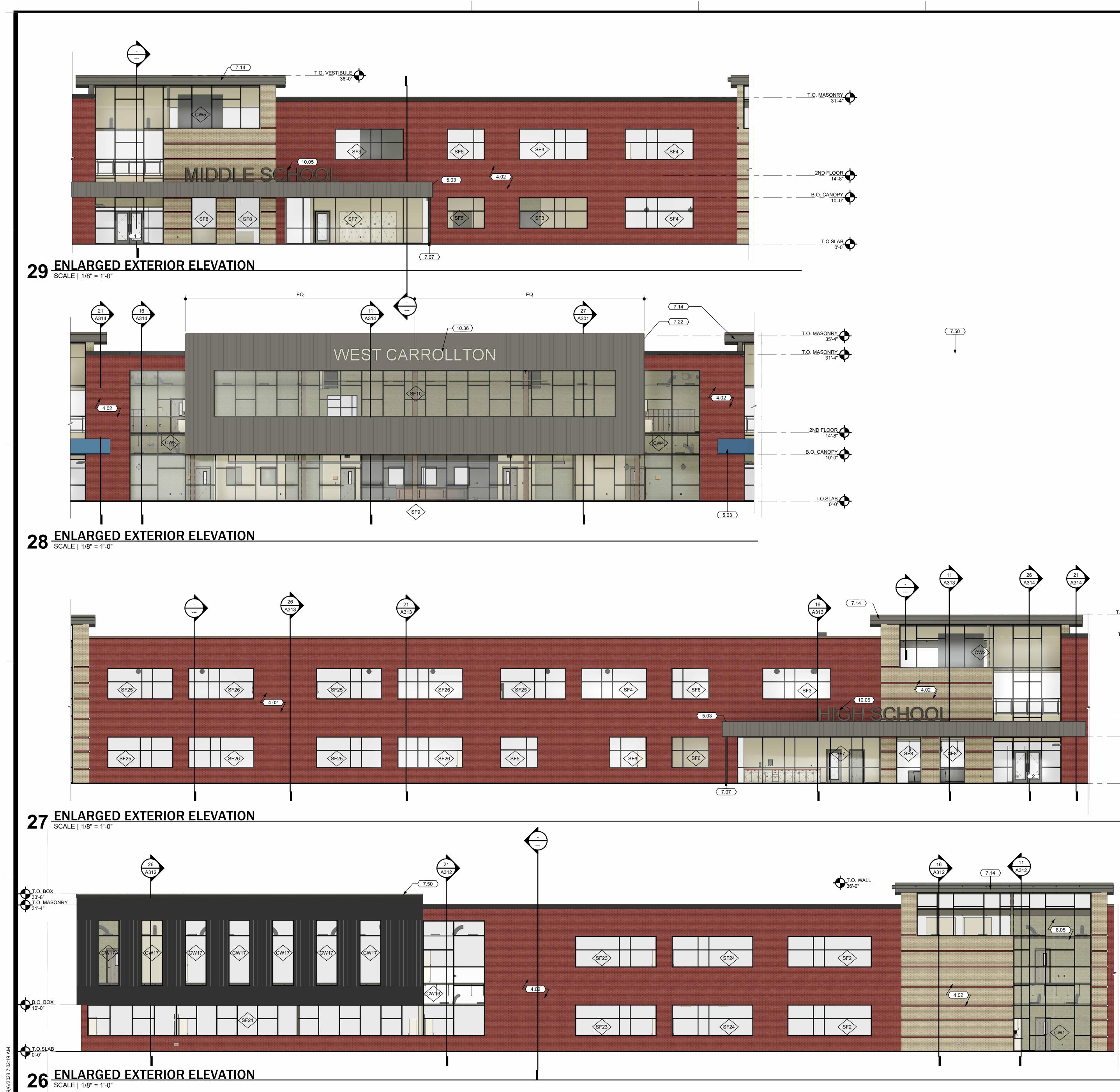
### A. SEE G-002 FOR PROJECT GENERAL REQUIREMENTS.

- B. REFER TO BUILDING AND WALL SECTIONS FOR BUILDING HEIGHTS C. REFER TO OTHER TRADES FOR ADDITIONAL EXTERIOR MOUNTED DEVICES ( LIGHTS, CAMERAS, ETC..) PRIOR TO VENEER INSTALLATION, CONTRACTOR SHALL HOLD AN EXTERIOR COORDINATION MEETING AND SUBMIT ANY WALL MOUNTED EQUIPMENT
- LOCATIONS TO ARCHITECT FOR REVIEW.
- D. FOR WINDOW ELEVATIONS, SEE GLAZING LEGEND

EX	FERIOR MATERIAL LEGEND
	BV-1 BRICK VENEER - COLOR 1
	BV-2 BRICK VENEER - COLOR 2
	MP-1/MP-2 METAL PANEL - COLOR 1 and COLOR 2
	MP-3/MP-4 METAL PANEL - COLOR 3 and COLOR 4
	MP-5 METAL PANEL - COLOR 5
	SG-1 SPANDREL GLASS
	SS-1 STONE VENEER

4.02	BRICK VENEER ON CMU BACKUP. SEE EXTERIOR MATERIAL LEGEN COLOR
4.18	STONE VENEER , TYPE 1
4.19	STONE VENEER , TYPE 2
7.05	PREFINISHED METAL COPING
7.06	PREFINISHED METAL GUTTER.
7.07	PREFINISHED METAL DOWNSPOUT.
7.29	CONTINUOUS GUTTER



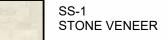


								<u>T.O</u> . <u>MASONRY</u> 31'-4"
		7		ſ		T		
-	SF5	-	SF3	-		SF4		
5.0	)3	4.02						2ND FLOOR
		7						<u> </u>
<	SF5	-	SF3			SF4		
								<u>T.O.SLAB</u>
7.07								° ° <b>T</b>

### A. SEE G-002 FOR PROJECT GENERAL REQUIREMENTS.

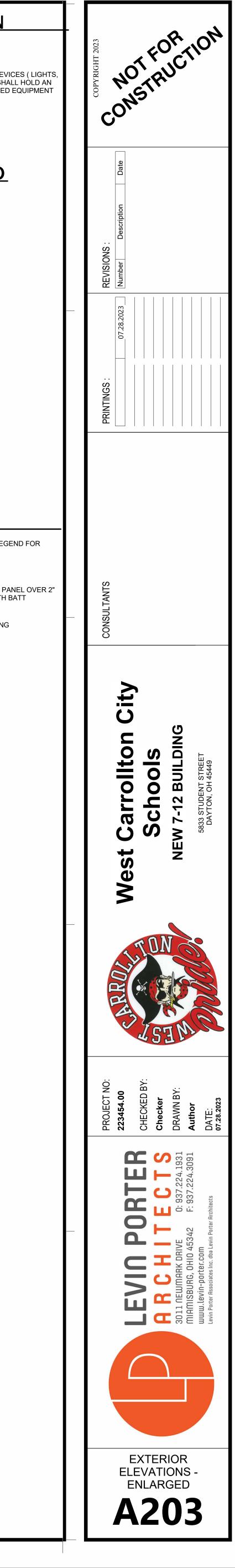
- B. REFER TO BUILDING AND WALL SECTIONS FOR BUILDING HEIGHTS C. REFER TO OTHER TRADES FOR ADDITIONAL EXTERIOR MOUNTED DEVICES ( LIGHTS, CAMERAS, ETC..) PRIOR TO VENEER INSTALLATION, CONTRACTOR SHALL HOLD AN EXTERIOR COORDINATION MEETING AND SUBMIT ANY WALL MOUNTED EQUIPMENT
- LOCATIONS TO ARCHITECT FOR REVIEW.
- D. FOR WINDOW ELEVATIONS, SEE GLAZING LEGEND

<u> </u>	<b>(TERIOR MATERIAL LEGEND</b>
	BV-1 BRICK VENEER - COLOR 1
	BV-2 BRICK VENEER - COLOR 2
	MP-1/MP-2 METAL PANEL - COLOR 1 and COLOR 2
	MP-3/MP-4 METAL PANEL - COLOR 3 and COLOR 4
	MP-5 METAL PANEL - COLOR 5
	SG-1 SPANDREL GLASS



4.02	BRICK VENEER ON CMU BACKUP. SEE EXTERIOR MATERIAL LEGE BRICK COLOR
5.03	PREFINISHED METAL PANEL CANOPY
7.07	PREFINISHED METAL DOWNSPOUT.
7.14	PREFINISHED METAL FASCIA.
7.22	TYPICAL ACM METAL PANEL SYSTEM: ALUMINUM COMPOSITE PAI RIGID INSULATION, 1/2" SHEATHING WITH 6" METAL STUDS WITH B

- INSULATION IN CAVITY. PRE-FINISHED METAL GRAVEL STOP 7.50 ALUMINUM CURTAINWALL SYSTEM WITH 1" INSULATED GLAZING 8.05 WALL MOUNTED CAST METAL LETTERS 10.05 10.36 BUILDING SIGNAGE - DIMENSIONAL LETTERS
- <u>T.O.</u> V<u>E</u>ST<u>IBULE</u> 36'-0" <u>T.O. MASONRY</u> 31'-4" 2ND FLOOR 14'-8" B.O. CANOPY 10'-0" <u>T.O.SLAB</u> 0'-0'



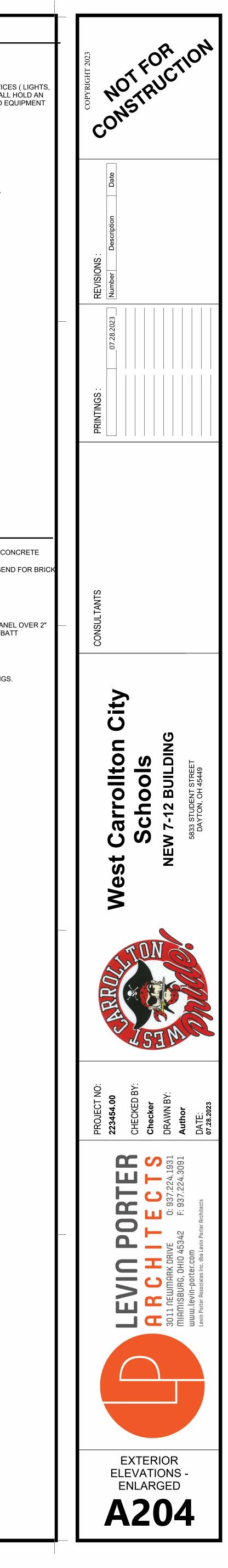


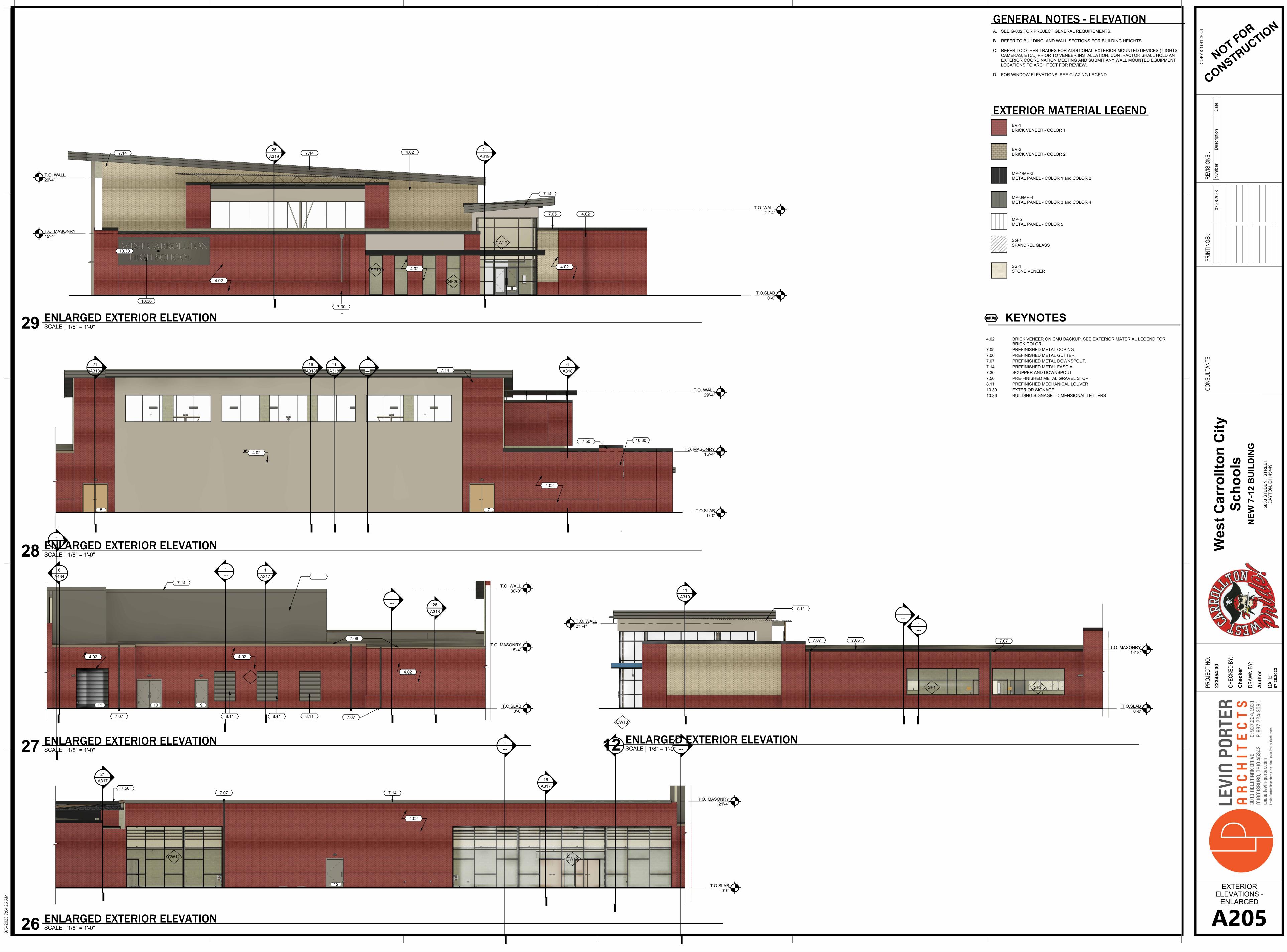
### A. SEE G-002 FOR PROJECT GENERAL REQUIREMENTS.

- B. REFER TO BUILDING AND WALL SECTIONS FOR BUILDING HEIGHTS C. REFER TO OTHER TRADES FOR ADDITIONAL EXTERIOR MOUNTED DEVICES ( LIGHTS, CAMERAS, ETC..) PRIOR TO VENEER INSTALLATION, CONTRACTOR SHALL HOLD AN EXTERIOR COORDINATION MEETING AND SUBMIT ANY WALL MOUNTED EQUIPMENT LOCATIONS TO ARCHITECT FOR REVIEW.
- D. FOR WINDOW ELEVATIONS, SEE GLAZING LEGEND



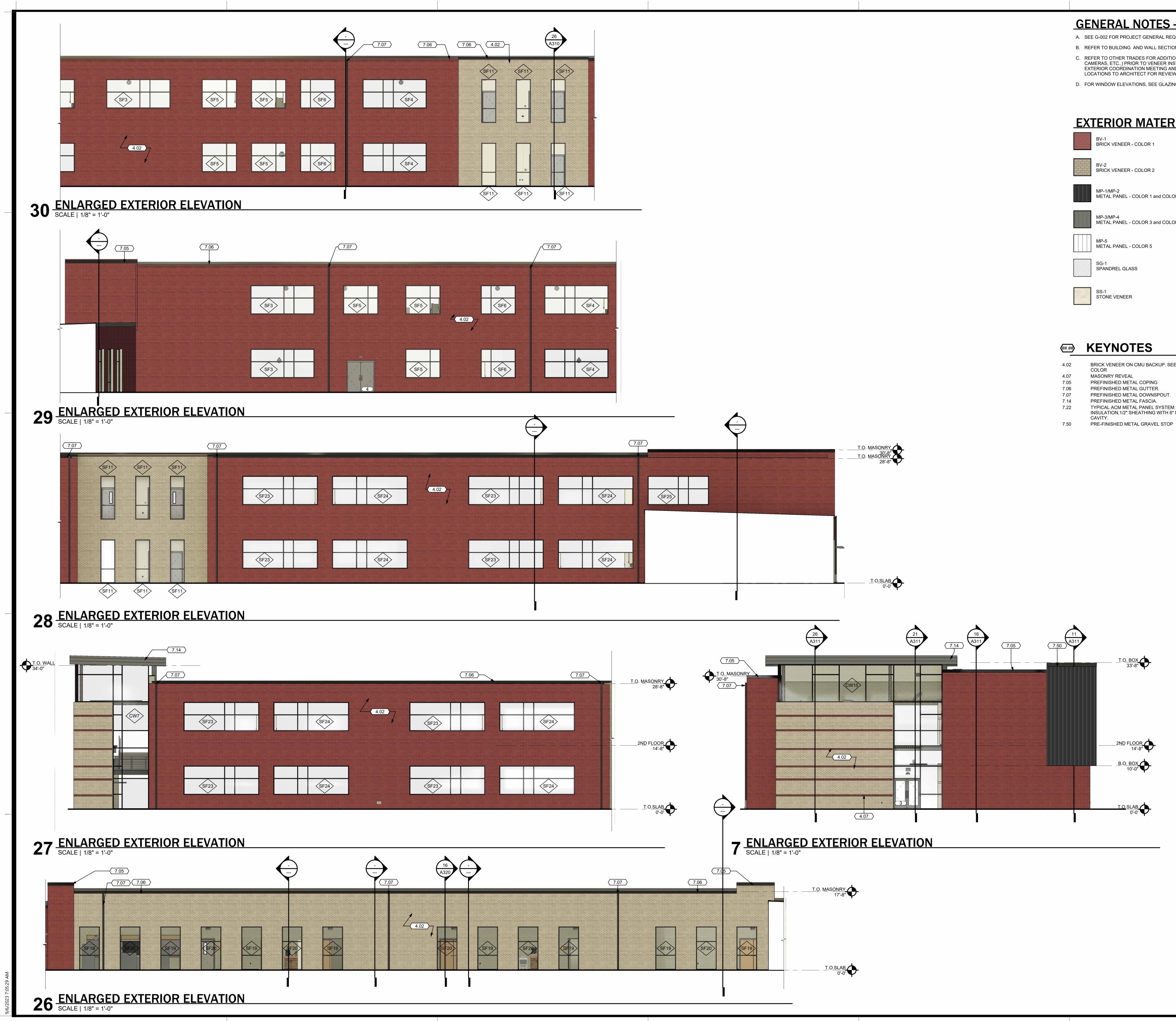
3.08	PRECAST WALL PANELS. 6" CONCRETE,4" RIGID INSULATION, 4" CC (THIN BRICK FINISH)
4.02	BRICK VENEER ON CMU BACKUP. SEE EXTERIOR MATERIAL LEGEN COLOR
7.05	PREFINISHED METAL COPING
7.06	PREFINISHED METAL GUTTER.
7.07	PREFINISHED METAL DOWNSPOUT.
7.14	PREFINISHED METAL FASCIA.
7.22	TYPICAL ACM METAL PANEL SYSTEM: ALUMINUM COMPOSITE PAN RIGID INSULATION, 1/2" SHEATHING WITH 6" METAL STUDS WITH BA INSULATION IN CAVITY.
7.24	ACM PANEL PARAPET CAP SYSTEM
7.50	PRE-FINISHED METAL GRAVEL STOP
8.15	ROLLING COUNTER DOOR
23.07	PREFINISHED MECHANICAL LOUVER. SEE MECHANICAL DRAWINGS
23.08	MECHANICAL RELIEF VENT, SEE MECHANICAL DRAWINGS





EXT	<b>FERIOR MATERIAL LEGEND</b>
	BV-1 BRICK VENEER - COLOR 1
	BV-2 BRICK VENEER - COLOR 2
	MP-1/MP-2 METAL PANEL - COLOR 1 and COLOR 2
	MP-3/MP-4 METAL PANEL - COLOR 3 and COLOR 4
	MP-5 METAL PANEL - COLOR 5
	SG-1 SPANDREL GLASS
	SS-1 STONE VENEER

4.02	BRICK VENEER ON CMU BACKUP. SEE EXTERIOR MATERIAL LEGEN
	BRICK COLOR
7.05	PREFINISHED METAL COPING
7.06	PREFINISHED METAL GUTTER.
7.07	PREFINISHED METAL DOWNSPOUT.
7.14	PREFINISHED METAL FASCIA.
7.30	SCUPPER AND DOWNSPOUT
7.50	PRE-FINISHED METAL GRAVEL STOP
8.11	PREFINISHED MECHANICAL LOUVER
10.30	EXTERIOR SIGNAGE
10.36	BUILDING SIGNAGE - DIMENSIONAL LETTERS

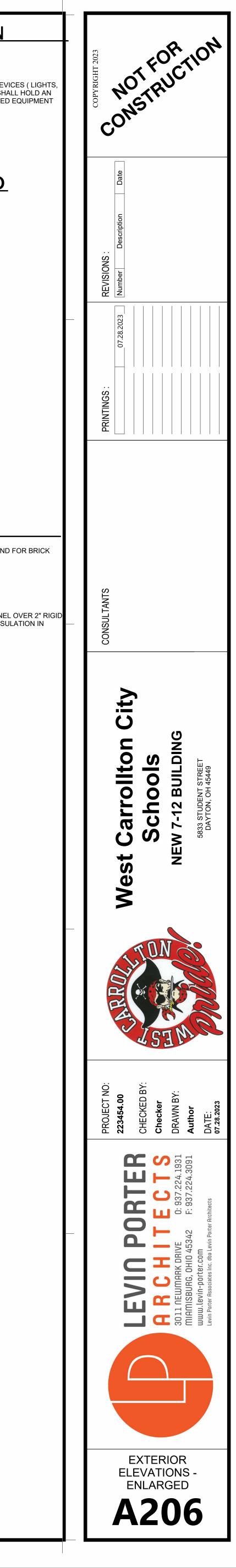


### A. SEE G-002 FOR PROJECT GENERAL REQUIREMENTS.

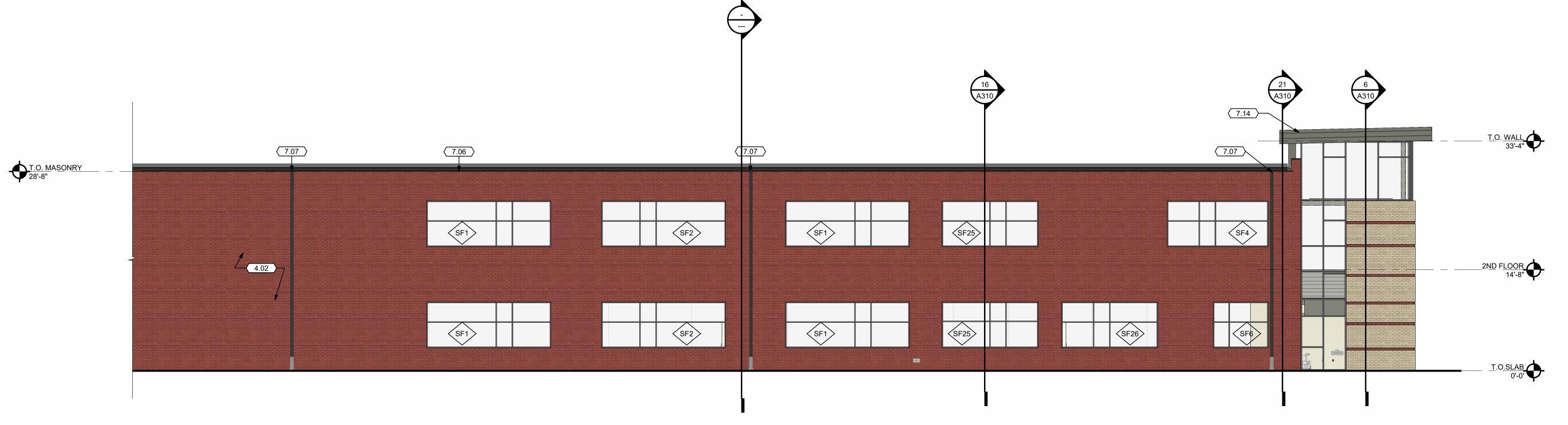
- B. REFER TO BUILDING AND WALL SECTIONS FOR BUILDING HEIGHTS C. REFER TO OTHER TRADES FOR ADDITIONAL EXTERIOR MOUNTED DEVICES ( LIGHTS, CAMERAS, ETC..) PRIOR TO VENEER INSTALLATION, CONTRACTOR SHALL HOLD AN EXTERIOR COORDINATION MEETING AND SUBMIT ANY WALL MOUNTED EQUIPMENT
- LOCATIONS TO ARCHITECT FOR REVIEW.
- D. FOR WINDOW ELEVATIONS, SEE GLAZING LEGEND

EX	FERIOR MATERIAL LEGEND
	BV-1 BRICK VENEER - COLOR 1
	BV-2 BRICK VENEER - COLOR 2
	MP-1/MP-2 METAL PANEL - COLOR 1 and COLOR 2
	MP-3/MP-4 METAL PANEL - COLOR 3 and COLOR 4
	MP-5 METAL PANEL - COLOR 5
	SG-1 SPANDREL GLASS
	SS-1

4.02	BRICK VENEER ON CMU BACKUP. SEE EXTERIOR MATERIAL LEGEND COLOR
4.07	MASONRY REVEAL
7.05	PREFINISHED METAL COPING
7.06	PREFINISHED METAL GUTTER.
7.07	PREFINISHED METAL DOWNSPOUT.
7.14	PREFINISHED METAL FASCIA.
7.22	TYPICAL ACM METAL PANEL SYSTEM: ALUMINUM COMPOSITE PANEL INSULATION, 1/2" SHEATHING WITH 6" METAL STUDS WITH BATT INSU CAVITY.





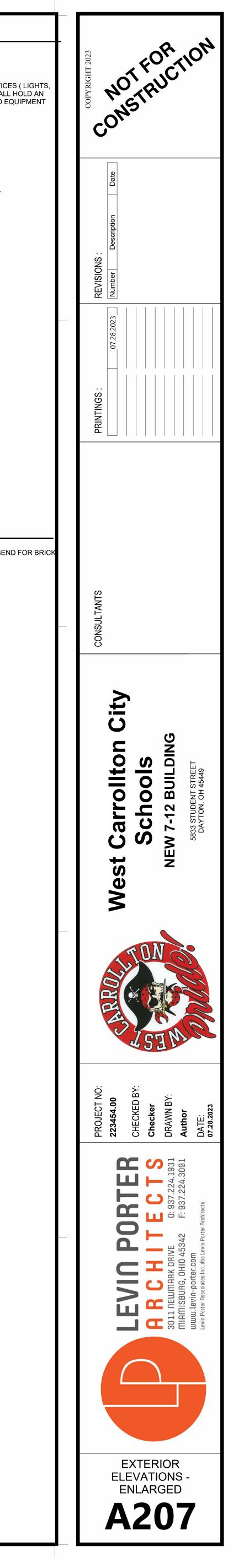


### A. SEE G-002 FOR PROJECT GENERAL REQUIREMENTS.

- B. REFER TO BUILDING AND WALL SECTIONS FOR BUILDING HEIGHTS C. REFER TO OTHER TRADES FOR ADDITIONAL EXTERIOR MOUNTED DEVICES ( LIGHTS, CAMERAS, ETC..) PRIOR TO VENEER INSTALLATION, CONTRACTOR SHALL HOLD AN EXTERIOR COORDINATION MEETING AND SUBMIT ANY WALL MOUNTED EQUIPMENT LOCATIONS TO ARCHITECT FOR REVIEW.
- D. FOR WINDOW ELEVATIONS, SEE GLAZING LEGEND

EX	FERIOR MATERIAL LEGEND
	BV-1 BRICK VENEER - COLOR 1
	BV-2 BRICK VENEER - COLOR 2
	MP-1/MP-2 METAL PANEL - COLOR 1 and COLOR 2
	MP-3/MP-4 METAL PANEL - COLOR 3 and COLOR 4
	MP-5 METAL PANEL - COLOR 5
	SG-1 SPANDREL GLASS
	SS-1 STONE VENEER

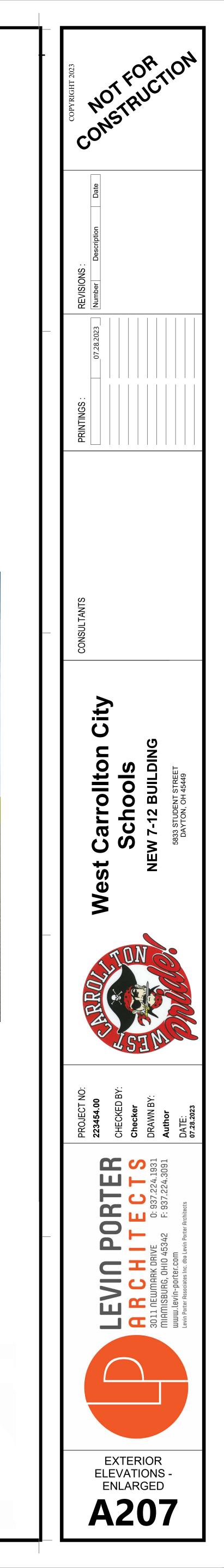
4.02	BRICK VENEER ON CMU BACKUP. SEE EXTERIOR MATERIAL LEGEN COLOR
7.06	PREFINISHED METAL GUTTER.
7.07	PREFINISHED METAL DOWNSPOUT.
7.14	PREFINISHED METAL FASCIA.











15	SINGLE FACED WALL MOUNTED CLOCK (102" MH UNLESS NOTED OTHERWISE). 12" DIAMETER FACE ANALOG CLOCK		DASH SYMBOL INDICATES PARTICULAR OUTLET OR DEVICE TO BE REMOVED AND CIRCUITRY MADE CONTINUOUS WHERE
v V	UNLESS SUBSCRIPT "15" FOR 15" DIAMETER FACE ANALOG CLOCK OR "LED" FOR LED DIGITAL CLOCK. SUBSCRIPT "W" INDICATES WIRE GUARD. 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING PER DIV 26.		REQUIRED.
<sup>15</sup> 0	DOUBLE FACED WALL MOUNTED CLOCK (102" MH UNLESS NOTED OTHERWISE). 12" DIAMETER FACE ANALOG CLOCK UNLESS SUBSCRIPT "15" FOR 15" DIAMETER FACE ANALOG CLOCK OR "LED" FOR LED DIGITAL CLOCK. 1-GANG BOX WITH	$\bigcirc 3$	EXISTING OUTLET OR DEVICE TO REMAIN. MAINTAIN EXISTING CIRCUITING.
$\overline{\mathbb{A}}_{X}$	0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING PER DIV 26. ROOF MOUNTED ANTENNA. REFER TO ANTENNA MOUNTING DETAIL FOR MORE INFORMATION. SUBSCRIPT INDICATES		ELECTRICAL CONNECTION. 20A-125V DUPLEX RECEPTACLE, NEMA 5-20R (18" MH UNLESS NOTED OTHERWISE). WHEN ひ SHOWN, RECEPTACLE TO HAV
	TYPE. WALL MOUNTED CALL ANNUNCIATOR FOR PAGING/INTERCOM SYSTEM (90" MH UNLESS NOTED OTHERWISE). CUSTOM	Φ	"CONTROLLED" MARKINGS.
©A)	BACKBOX FURNISHED PER DIV 27, INSTALLED WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING PER DIV 26. ANNUNCIATOR, INSTALLATION AND WIRING PER DIV 27.	$\nabla$	20A-125V SINGLE RECEPTACLE, NEMA 5-20R (18" MH UNLESS NOTED OTHERWISE).
$\odot$	WALL MOUNTED CALL ORIGINATION SWITCH FOR PAGING/INTERCOM SYSTEM (46" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING PER DIV 26. CALL SWITCH, FACEPLATE AND WIRING PER DIV 27. CLASSROOM SOUND FIELD SYSTEM RECEIVER/AMPLIFIER/MIXER AND WALL OUTLET (44" MH UNLESS NOTED OTHERWISE).	$\square$	SPECIAL PURPOSE RECEPTACLE. REFER TO NOTE ON PLAN.
CSW	TWO 1-GANG BOXES WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING PER DIV 26. SUBSCRIPT "W" INDICATES WALL MOUNTED ON SHELF. SOUND FIELD SYSTEM, GROMMETED FACEPLATES AND CABLING PER DIV 27.		20A-125V DOUBLE DUPLEX RECEPTACLE. NEMA 5-20R, (18" MH UNLESS NOTED OTHERWISE) TWO GANG ASSEMBLY. 20A-125V DUPLEX RECEPTACLE, NEMA 5-20R WITH BOTTOM OUTLET CONTROLLED BY WALL SWITCH. (18" MH UNLESS
(M#) <sub>X</sub>	MICROPHONE JACK PLATE (18" MH UNLESS NOTED OTHERWISE). "#"=NUMBER OF GANG, "X"=NUMBER OF JACKS IF OTHER THAN TWO (2). PROVIDE 0.75" CONDUIT FOR 1-GANG BOX OR 1" CONDUIT FOR 2-GANG AND LARGER BOX TO		NOTED OTHERWISE).
	ABOVE ACCESSIBLE CEILING PER DIV 26. JACKS, FACEPLATE AND CABLING PER DIV 27. HANGING MICROPHONE OUTLET. 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING PER DIV 26. SUBSCRIPT "X"		20A-125V DUPLEX RECEPTACLE, NEMA 5-20R (46" MH UNLESS NOTED OTHERWISE).
$M_{H(x)}$	INDICATES QUANTITY OF MICROPHONES IF MORE THAN ONE (1). MICROPHONE, JACK, FACEPLATE AND WIRING PER DIV 27. LOCAL SOUND SYSTEM SENSING MICROPHONE. 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING PER	♥	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R WITH 2 INTEGRAL USB CHARGERS (18" MH UNLESS NOTED OTHERWISE). 20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, WITH GROUND FAULT CIRCUIT INTERRUPTER (18" MH UNLESS NOTED
M <sub>S</sub>	DIV 26. MICROPHONE WITH GROMMETED FACEPLATE, INSTALLATION AND WIRING PER DIV 27. MIC/AUX WALL MOUNTED INPUT (18" MH UNLESS NOTED OTHERWISE). 2-GANG BOX WITH 0.75" CONDUIT TO ABOVE		OTHERWISE). 20A-125V WEATHERPROOF DUPLEX RECEPTACLE, NEMA 5-20R (HORIZONTAL 18" MH UNLESS NOTED OTHERWISE) WITH
	ACCESSIBLE CEILING PER DIV 26. JACKS, FACEPLATE AND CABLING PER DIV 27. MONITOR/EFFECTS WALL OUTLET (18" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE	$\Phi^{WP}$	TAYMAC #MM420G EXTRA DUTY GRAY COVER, VERTICAL MOUNT. 20A-125V WEATHERPROOF DUPLEX RECEPTACLE, NEMA 5-20R WITH GROUND FAULT CIRCUIT INTERRUPTER (18" MH
	ACCESSIBLE CEILING PER DIV 26. JACKS, FACEPLATE AND WIRING PER DIV 27. MULTI-PIN CONNECTOR WALL OUTLET (18" MH UNLESS NOTED OTHERWISE). NEMA BOX FOR 8"x8" PLATE WITH 2"	ΦΕΜ	UNLESS NOTED OTHERWISE), WITH TAYMAC #MM420G EXTRA DUTY GRAY COVER, VERTICAL MOUNT.
	CONDUIT TO ABOVE ACCESSIBLE CEILING PER DIV 26. 8"x8" PLATE WITH CONNECTORS AND WIRING PER DIV 27. MICROPHONE/SPEAKER WALL MOUNTED JACK PLATE (18" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 0.75"	$\Phi^{T}$	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, ON EMERGENCY POWER (18" MH UNLESS NOTED OTHERWISE).
MS O	CONDUIT TO ABOVE ACCESSIBLE CEILING PER DIV 26. JACKS, FACEPLATE AND CABLING PER DIV 27. PROGRAM SOURCE CABINET FOR PAGING/INTERCOM SYSTEM. TWO 1-GANG BOXES WITH 0.75" CONDUIT TO ABOVE		20A-125V POWERLOCK GROUNDING TYPE RECEPTACLE, HOSPITAL USE (66" MH UNLESS NOTED OTHERWISE). 20A-125V DUPLEX PEDESTAL TYPE FLOOR RECEPTACLE, NEMA 5-20R, IN HUBBELL BA-2527 FLOOR BOX WITH SA-2525
P	ACCESSIBLE CEILING PER DIV 26. GROMMETED FACEPLATES, CABINET, INSTALLATION AND WIRING PER DIV 27. WALL MOUNTED PROJECTOR. BACKBOX WITH 1-1.25" CONDUIT TO ABOVE ACCESSIBLE CEILING PER DIV 26. PROJECTOR,		COVERPLATE AND SC-3091 HOUSING. PROVIDE CARPET FLANGE WHERE REQUIRED. FLOOR BOX, # INDICATES TYPE, REFER TO FLOOR BOX (FB) SCHEDULE. IF NO #, PROVIDE HUBBELL BA-2527 FLUSH FLOOR
	MOUNT AND CABLING PER DIV 27. SUBSCRIPT "X" INDICATES CONFIGURATION TYPE, REFER TO FACEPLATE DETAILS. CEILING MOUNT ELECTRIC PROJECTION SCREEN. 1-GANG BOX WITH 1" CONDUIT TO ABOVE ACCESSIBLE CEILING PER DIV	<b>I</b> <i>IIIIIIIIIIIII</i>	BOX WITH ROUND SA-3925 COVERPLATE AND ONE 20A-125V DUPLEX RECEPTACLE. PROVIDE CARPET FLANGE WHERE RECEPTACLE.
	26. SCREEN AND LOW VOLTAGE CONTROL PER DIV 27. WALL MOUNT ELECTRIC PROJECTION SCREEN. 1-GANG BOX WITH 1" CONDUIT TO ABOVE ACCESSIBLE CEILING PER DIV	(#) <sub>X</sub>	FIRE RATED POKE-THRU, # INDICATES TYPE, REFER TO POKE-THRU (PT) SCHEDULE. IF NO #, PROVIDE HUBBELL 6 INCH RECESSED ACCESS POKE-THRU WITH TWO 20A-125V DUPLEX RECEPTACLES. PROVIDE CARPET FLANGE WHERE REQD.
	26. SCREEN AND LOW VOLTAGE CONTROL PER DIV 27. REMOTE POWER SWITCH OUTLET (46" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE	$\Phi^{IG}$	20-125V DUPLEX RECEPTACLE, NEMA 5-20R, WITH ISOLATED GROUND (18" MH UNLESS NOTED OTHERWISE).
R	ACCESSIBLE CEILING PER DIV 26. SWITCH, FACEPLATE AND WIRING PER DIV 27. RECESSED SOUND SYSTEM SPEAKER. 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING PER DIV 26.	Φ <sup>20A</sup>	20A-125/250V-1PH-4W SINGLE RECEPTACLE, NEMA 14-20R (18" MH UNLESS NOTED OTHERWISE).
(SF) <sub>R</sub>	GROMMETED FACEPLATE, SPEAKER, INSTALLATION ADJACENT TO BOX AND WIRING PER DIV 27. REFER TO ARCHITECTURAL DRAWINGS FOR RECESSED ENCLOSURE DETAILS.	Φ <sup>30A</sup>	30A-125/250V-1PH-4W SINGLE RECEPTACLE, NEMA 14-30R (18" MH UNLESS NOTED OTHERWISE).
SFW	WALL MOUNTED SOUND SYSTEM SPEAKER. 1-GANG BOX WITH 1" CONDUIT TO ABOVE CEILING PER DIV 26. SPEAKER AND CABLING PER DIV 27.	Φ <sup>50A</sup>	50A-125/250V-1PH-4W SINGLE RECEPTACLE, NEMA 14-50R (18" MH UNLESS NOTED OTHERWISE).
SJ	SPEAKER JACK PLATE (18" MH UNLESS NOTED OTHERWISE). 3-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING PER DIV 26.	Ø <sup>20A</sup>	20A-250V-3PH-4W SINGLE RECEPTACLE, NEMA 15-20R (18" MH UNLESS NOTED OTHERWISE).
S₽⊲	HORN TYPE PAGING/INTERCOM SYSTEM SPEAKER (120" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING PER DIV 26. GROMMETED FACEPLATE, SPEAKER, INSTALLATION AND WIRING PER DIV 27.	$O^{30A}$	30A-250V-3PH-4W SINGLE RECEPTACLE, NEMA 15-30R (18" MH UNLESS NOTED OTHERWISE).
SPW	SURFACE MOUNTED PAGING/INTERCOM SPEAKER (120" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING PER DIV 26. SPEAKER, INSTALLATION AND CABLING PER DIV 27.	Ø <sup>50A</sup>	50A-250V-3PH-4W SINGLE RECEPTACLE, NEMA 15-50R (18" MH UNLESS NOTED OTHERWISE).
$(\mathbf{v})$	PAGING/INTERCOM SYSTEM WALL MOUNTED SPEAKER VOLUME CONTROLLER (46" MH UNLESS NOTED OTHERWISE). 1- GANG BOX AND 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING PER DIV 26. VOLUME CONTROLLER WITH FACEPLATE,	J	JUNCTION BOX.
-	INSTALLATION AND WIRING PER DIV 27. WALL MOUNTED AV SYSTEM CONTROL INTERFACE. SUBSCRIPT "X" INDICATES TYPE. REFER TO SYSTEM DIAGRAMS.		MULTI-OUTLET RECEPTACLES ASSEMBLY, NEMA 5-15R (SINGLE OUTLETS ON 18" CENTERS) (46" MH UNLESS NOTED OTHERWISE).
₩©x	BACKBOX (46" MH UNLESS NOTED OTHERWISE) WITH 1" CONDUIT TO ABOVE ACCESSIBLE CEILING PER DIV 26. CONTROLLER WITH CABLING PER DIV 27.		WIREMOLD RACEWAY, AS NOTED ON PLANS.
SECL	IRITY SYMBOLS WITH ELECTRICAL REQUIREMENTS	Н©	CLOCK HANGER OUTLET, SINGLE NEMA 5-15R RECESSED IN COVER PLATE (84" MH UNLESS NOTED OTHERWISE).
	WALL MOUNTED BIOMETRIC READER (46" MH UNLESS NOTED OTHERWISE). 2-GANG BOX WITH 0.75" CONDUIT TO	\$	SINGLE POLE SWITCH (46" MH UNLESS NOTED OTHERWISE).
BR	COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING PER DIV 26. READER AND CABLING PER DIV 28. REFER TO SECURITY ROUGH-IN DETAILS.	2 \$	TWO POLE WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
	CCTV SYSTEM WALL MOUNTED CAMERA (REFER TO CAMERA SCHEDULE FOR MOUNTING HEIGHT AND CAMERA SPECIFICATIONS). SUBSCRIPT "X" INDICATES ENTRY IN CAMERA SCHEDULE. 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE	# \$	MULTI-WAY WALL SWITCH, # INDICATES NUMBER OF WAYS (46" MH UNLESS NOTED OTHERWISE).
CM	ACCESSIBLE CEILING PER DIV 26. CAMERA AND CABLING PER DIV 28. WALL MOUNTED MONITOR OUTLET FOR CCTV SYSTEM (84" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 1"	P \$	SWITCH WITH NEON PILOT LIGHT. ONE-GANG ASSEMBLY (46" MH UNLESS NOTED OTHERWISE).
	CONDUIT TO ABOVE CORRIDOR CEILING PER DIV 26. JACK, FACEPLATE AND CABLING PER DIV 28. WALL MOUNTED PROXIMITY CARD READER (46" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH CONDUIT TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING PER DIV 26. CARD READER AND CABLING PER DIV 28. REFER	K \$	KEY OPERATED WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
CR	TO SECURITY ROUGH-IN DETAILS. ELEVATOR CAB MOUNTED CARD READER. READER TO BE INSTALLED IN ELEVATOR CAB AS COORDINATED WITH	L \$	LOW-VOLTAGE MOMENTARY WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
	ELEVATOR CAB MOUNTED CARD READER. READER TO BE INSTALLED IN ELEVATOR CAB AS COORDINATED WITH ELEVATOR CONTRACTOR. WIRING FROM CAB THRU TRAVELING CABLE TO ELEVATOR CONTROLLER IN ELEVATOR MACHINE ROOM AND INTERFACE WITH ELEVATOR CONTROLLER AND SMS PER DIV 28, COORDINATE WITH ELEVATOR	DM \$	LIGHTING DIMMER SWITCH (46" MH UNLESS NOTED OTHERWISE) 1000 WATTS UNLESS OTHERWISE INDICATED.
	CONTRACTOR. REFER TO SECURITY ROUGH-IN DETAILS. LOCAL IP BASED 2-DOOR ACCESS CONTROL PANEL SERVING LOCAL CARD READER/SECURITY CONTROLLED DOORS.	R S	SWITCH WITH RECEPTACLE (46" MH UNLESS NOTED OTHERWISE) STANDARD TWO-GANG ASSEMBLY OF SWITCH AND RECEPTACLE.
	LOCATE ABOVE ADJACENT ACCESSIBLE CEILING. PROVIDE DATA DROP IN 0.75" CONDUIT TO LOCAL DATA CLOSET. EXTEND 1" CONDUIT WITH DOOR SECURITY WIRING TO LOCAL SECURITY SYSTEM JUNCTION BOX. REFER TO SECURITY	M \$	FLUSH FRACTIONAL HORSEPOWER MOTOR STARTER WITH NEON PILOT LIGHT. ONE-GANG ASSEMBLY (46" MH UNLESS NOTED OTHERWISE).
	ROUGH-IN DETAILS. DOOR POSITION SWITCH WITH WIRING PER DIV 28. CONDUIT PATHWAYS FROM DOOR FRAME TO COMMON SMS	H \$	HP RATED WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
	JUNCTION BOX ABOVE ACCESSIBLE CEILING PER DIV 26. PROVIDE ONE CONTACT FOR EACH LEAF IN MULTI-DOOR OPENINGS, REFER TO SECURITY ROUGH-IN DETAILS.		ELECTRICAL PANEL OR SWITCHBOARD PER DRAWINGS.
EDCX	ELECTRONIC DOOR CONTROL. SUBSCRIPT "X" INDICATES SPECIFIC DOOR. REFER TO ELECTRONIC DOOR CONTROL SCHEDULE FOR REQUIREMENTS.	P/B	PULL BOX.
EL	ELECTRONIC DOOR LOCK AND INSTALLATION BY OTHERS. LOW VOLTAGE WIRING PER DIV 28. CONDUIT PATHWAYS FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING PER DIV 26. REFER TO SECURITY		DISCONNECT SWITCH.
	ROUGH-IN DETAILS. ELECTRONIC MAG LOCK AND INSTALLATION BY OTHERS. LOW VOLTAGE WIRING PER DIV 28. CONDUIT PATHWAYS FROM	$\boxtimes$	MOTOR STARTER.
EM	DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING PER DIV 26. REFER TO SECURITY ROUGH-IN DETAILS. ELECTRONIC STRIKE AND INSTALLATION BY OTHERS. LOW VOLTAGE WIRING PER DIV 28. CONDUIT PATHWAYS FROM	$\square$	COMBINATION MOTOR STARTER AND DISCONNECT SWITCH.
ES	DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING PER DIV 26. REFER TO SECURITY ROUGH-IN DETAILS.	$\mathcal{N}$	ELECTRIC MOTOR.
	WALL/PEDESTAL MOUNT HANDICAP DOOR ACTUATOR BUTTON, FURNISHED BY OTHERS. BOX AS REQUIRED BY SYSTEM MANUFACTURER WITH INSTALLATION AND CONDUIT TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING PER	∕∕ <sub>UH</sub>	UNIT HEATER.
HA	DIV 26. ALL LOW VOLTAGE WIRING AND INTERFACE WITH SMS AND DOOR MOTOR PER DIV 28. REFER TO SECURITY ROUGH-IN DETAILS.	∕∕ <sub>FC</sub>	FAN COIL.
(HD)	HANDICAP DOOR OPERATOR MOTOR ASSEMBLY BY OTHERS. 120V POWER CONNECTION AND CONDUIT FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING PER DIV 26. LOW VOLTAGE WIRING AND	∕∕ <sub>AC</sub>	AIR CONDITIONER.
<u> </u>	INTERFACE WITH SMS AND DOOR ACTUATOR BUTTONS PER DIV 28. REFER TO SECURITY ROUGH-IN DETAILS. WALL/FLOOR MOUNTED ELECTROMAGNETIC DOOR HOLD OPEN WITH POWER SUPPLY INSTALLED BY OTHERS. 120V		CONDENSING UNIT.
HOFA	POWER AND CONNECTION, BOX AS REQUIRED BY MANUFACTURER AND CONDUIT TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING PER DIV 26. LOW VOLTAGE WIRING FROM POWER SUPPLY TO HOLD OPEN AND INTERFACE WITH SMS		UNIT VENTILATOR.
	PER DIV 28. SUBSCRIPT "FA" INDICATES DEVICES POWERED FROM FIRE ALARM SYSTEM AND INTERFACE FROM SMS TO FIRE ALARM SYSTEM REQUIRED FOR DOOR RELEASE PER DIV 28. REFER TO SECURITY ROUGH-IN DETAILS.	CR	CORD REEL.
	WALL MOUNTED INTERCOM DOOR STATION (46" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING PER DIV 26. INTERCOM AND CABLING PER DIV 28.	PP	POWER POLE.
	SECURITY SYSTEM JUNCTION BOX TO BE LOCATED ABOVE ACCESSIBLE CEILING (MIN 6"X6"X4"). ROUTE LOCAL DOOR SECURITY WIRING CONDUITS/RACEWAYS TO JUNCTION BOX. EXTEND 1" CONDUIT WITH DOOR SECURITY WIRING TO		LINE VOLTAGE THERMOSTAT.
JBM	LOCAL 2-DOOR CONTROL PANEL/REMOTE DOOR CONTROL PANEL AS INDICATED ON DRAWINGS. REFER TO SECURITY ROUGH-IN DETAILS.	H <sub>DH</sub>	DUCT HEATER.
K	WALL MOUNTED SECURITY KEYPAD ENTRY STATION (46" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 0.75" CONDUIT TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING PER DIV 26. KEYPAD AND CABLING PER DIV 28.	H <sub>EB</sub>	ELECTRIC BASEBOARD HEATER.
KC	WALL MOUNTED COMBINATION KEYPAD/CARD READER (46" MH UNLESS NOTED OTHERWISE). 2-GANG BOX WITH 0.75" CONDUIT TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING PER DIV 26. DEVICE AND CABLING PER DIV 28.	Μ	INTERCOM SYSTEM DESK MOUNTED MASTER CONTROL STATION. SUBSCRIPT "W" INDICATES WALL MOUNT (46" MH UNLESS NOTED OTHERWISE).
LB	ELECTRONIC LATCH BOLT MONITORING. HARDWARE AND INSTALLATION BY OTHERS. LOW VOLTAGE WIRING PER DIV 28. CONDUIT PATHWAYS FROM DOOR FRAME TO COMMON SECURITY JUNCTION BOX ABOVE CEILING PER DIV 26. REFER TO		INTERCOM STAFF STATION (46" MH UNLESS NOTED OTHERWISE).
	SECURITY ROUGH-IN DETAILS. CEILING MOUNTED MOTION DETECTOR. 1-GANG BOX MOUNTED IN CEILING PER DIV 26. DETECTOR AND CABLING PER	H	INTERCOM HORN TYPE SPEAKER (84" MH UNLESS NOTED OTHERWISE).
	DIV 28. WALL MOUNTED MOTION DETECTOR (90" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE	S	INTERCOM SPEAKER FLUSH MOUNT IN CEILING.
	ACCESSIBLE CEILING PER DIV 26. MOTION DETECTOR, WALL MOUNT HARDWARE, AND CABLING PER DIV 28. CEILING MOUNTED SECURITY/CCTV SYSTEM AUDIO MICROPHONE. 1-GANG BOX MOUNTED IN CEILING PER DIV 26.		PUSHBUTTON (46" MH UNLESS NOTED OTHERWISE) EDWARDS 852 (120 VOLT).
	MICROPHONE AND CABLING PER DIV 28. WALL MOUNTED PUSH BUTTON FOR LOCAL ELECTRONIC DOOR RELEASE (46" MH UNLESS NOTED OTHERWISE). 1-GANG		BUZZER (90" MH UNLESS NOTED OTHERWISE) EDWARDS 340-A (120 VOLT).
PBW	BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING PER DIV 26. BUTTON AND CABLING PER DIV 28. SITE POLE FOR MOUNTING SECURITY CAMERAS (REFER TO SPECIFICATIONS FOR SIZE/TYPE). PROVIDE POLE WITH	Bp	4" DIAMETER (90" MH UNLESS NOTED OTHERWISE) EDWARDS "ADAPTABEL" (120 VOLT).
PL	CONCRETE BASE AS INDICATED ON PLANS. EXTEND AND CONNECT TO SITE CONDUIT SYSTEM AS INDICATED ON PLANS. PROVIDE NEMA 3R JUNCTION BOX AT BASE OF POLE FOR CAMERA EQUIPMENT (120V POWER SUPPLY, FIBER		ELAPSED TIME INDICATOR CLOCK (90" MH UNLESS NOTED OTHERWISE) WITH RESET SWITCH (46" MH UNLESS NOTED OTHERWISE).
	CONVERTERS, ETC.). REFER TO SECURITY ROUGH-IN DETAILS. WALL MOUNTED PANIC/DURESS BUTTON (46" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 0.75" CONDUIT TO	PC	PHOTOELECTRIC SENSOR.
(PP)W	ABOVE ACCESSIBLE CEILING PER DIV 26. BUTTON AND CABLING PER DIV 28. LOCAL LOW VOLTAGE POWER SUPPLY FOR EXTERIOR CAMERA. SUBSCRIPT "X" INDICATES ASSOCIATED CAMERA. 120V		LIGHTING CONTACTOR.
PSX	POWER INTO LOCAL JUNCTION BOX ABOVE CEILING AND CONNECTION TO POWER SUPPLY PER DIV 26. POWER SUPPLY MOUNTED ABOVE CEILING AND LOW VOLTAGE WIRING TO LOCAL CAMERA PER DIV 28.		CEILING MOUNTED OCCUPANCY SENSOR.
RX	REQUEST TO EXIT SWITCH IN DOOR HARDWARE BY OTHERS. LOW VOLTAGE WIRING PER DIV 28. CONDUIT PATHWAYS FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING PER DIV 26. REFER TO SECURITY		WALL MOUNTED OCCUPANCY SENSOR.
	ROUGH-IN DETAILS. WALL MOUNTED SECURITY SYSTEM WIRING OUTLET MOUNTED BELOW COUNTER TOP. 2-GANG BOX WITH 2-1" CONDUITS		CEILING MOUNTED DAYLIGHT SENSOR.
(X)	TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING PER DIV 26. GROMMETED FACEPLATE AND SECURITY SYSTEM CABLING PER DIV 28.	OP	OCCUPANCY SENSOR POWER PACK.

# FIRE ALARM SYMBOLS

FACP	FIRE ALARM CONTROL PANEL.
RAP	REMOTE ANNUNCIATOR PANEL.
NAC	NOTIFICATION APPLIANCE CIRCUIT EXTENDER PANEL.
ASSD	AIR SAMPLING SMOKE DETECTOR BASE UNIT.
15 Ed	FIRE ALARM SPEAKER & SIGNAL LIGHT (88" AFF). # WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS SHOWN, THE STROBE SHALL BE RATED 15 CANDELA IN CORRIDORS AND 30 CANDELA FOR ALL OTHER LOCATIONS.
E <b>X</b>	FIRE ALARM BELL & SIGNAL LIGHT (88" AFF). # WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOWN, THE STROBE SHALL BE RATED 15 CANDELA IN CORRIDORS AND 30 CANDELA FOR ALL OTHER LOCATIONS.
15 F	FIRE ALARM CHIME & SIGNAL LIGHT (88" AFF). # WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NO SHOWN, THE STROBE SHALL BE RATED 15 CANDELA IN CORRIDORS AND 30 CANDELA FOR ALL OTHER LOCATIONS.
EK¢	FIRE ALARM HORN & SIGNAL LIGHT (88" AFF). # WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NO SHOWN, THE STROBE SHALL BE RATED 15 CANDELA IN CORRIDORS AND 30 CANDELA FOR ALL OTHER LOCATIONS.
FP	FIRE ALARM BELL (88" AFF UNLESS NOTED OTHERWISE). SUBSCRIPT "W" INDICATES EXTERIOR WEATHERPROOF UNIT.
$\Phi_{\rm F}^{15}$	FIRE ALARM SIGNAL LIGHT (88" AFF). # WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOW THE STROBE SHALL BE RATED 15 CANDELA IN CORRIDORS AND 30 CANDELA FOR ALL OTHER LOCATIONS.
S 15 F	CEILING MOUNTED FIRE ALARM SPEAKER & SIGNAL LIGHT. # WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOWN, THE STROBE SHALL BE RATED 15 CANDELA IN CORRIDORS AND 30 CANDELA FOR ALL OTHER LOCATIONS.
€ 15 F	CEILING MOUNTED FIRE ALARM HORN & SIGNAL LIGHT. # WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEI IS NOT SHOWN, THE STROBE SHALL BE RATED 15 CANDELA IN CORRIDORS AND 30 CANDELA FOR ALL OTHER LOCATION
Щ15 F	CEILING MOUNTED FIRE ALARM SIGNAL LIGHT. # WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS N SHOWN, THE STROBE SHALL BE RATED 15 CANDELA IN CORRIDORS AND 30 CANDELA FOR ALL OTHER LOCATIONS.
S <sub>F</sub>	CEILING MOUNTED FIRE ALARM SPEAKER.
S R S	SURFACE MOUNTED FIRE ALARM SPEAKER (88" AFF). SUBSCRIPT "R" INDICATES RECESSED MOUNTING.
Fκ	FIRE ALARM MANUAL STATION (46" MH UNLESS NOTED OTHERWISE). SUBSCRIPT "K" INDICATES KEY OPERATED.
S	CEILING MOUNTED SMOKE DETECTOR.
Ĥ	CEILING MOUNTED HEAT DETECTOR.
S S/R	DUCT MOUNTED SMOKE DETECTOR. SUBSCRIPT "S" INDICATES SUPPLY. SUBSCRIPT "R" INDICATES RETURN.
H S/R	DUCT MOUNTED HEAT DETECTOR. SUBSCRIPT "S" INDICATES SUPPLY. SUBSCRIPT "R" INDICATES RETURN.
B→ T/R	BEAM DETECTOR. SUBSCRIPT "T" INDICATES TRANSMITTER FUNCTION. SUBSCRIPT "R" INDICATES RECEIVER FUNCTION.
С	ELECTRIC RELEASE DOOR CLOSER.
D	ELECTRO-MAGNETIC DOOR HOLDER.
FS	WATER FLOW SWITCH.
V	VALVE SUPERVISORY SWITCH.
W	CEILING MOUNTED REMOTE TEST STATION AND ALARM INDICATOR LIGHT FOR DUCT DETECTOR. SUBSCRIPT "W" INDICA WALL MOUNTED.
SD	SMOKE DAMPER.
FT	FIRE FIGHTER'S TELEPHONE (60" MH UNLESS NOTED OTHERWISE).
PS	PRESSURE SWITCH.
AM C/I	ADDRESSABLE MODULE. SUBSCRIPT "I" INDICATES INPUT. SUBSCRIPT "C" INDICATES CONTROL.
PIV	POST INDICATOR VALVE.
S	KNOX BOX (46" MH UNLESS NOTED OTHERWISE). SUBSCRIPT "S" INDICATES SUPERVISED UNIT.
Â	AIR SAMPLING SMOKE DETECTOR SAMPLING PORT.
Â	
	CONDUIT SLEEVE / FIRE RATED SLEEVE ASSEMBLY THRU WALL (1-2" SLEEVE UNLESS NOTED OTHERWISE) PER DIV 26.
×	WALL MOUNTED DATA OUTLET (18" MH UNLESS NOTED OTHERWISE). BOX WITH CONDUIT(S) TO ABOVE CORRIDOR CEILING PER DIV 26. JACKS, FACEPLATE AND CABLING PER DIV 27. SUBSCRIPT "X" DESIGNATES QUANTITY OF DATA CABLES. REFER TO FACEPLATE DETAILS.
XD/XV	CABLES. REFER TO FACEPLATE DETAILS. WALL MOUNTED VOICE/DATA OUTLET (18" MH UNLESS NOTED OTHERWISE). BOX WITH CONDUIT(S) TO ABOVE CORRIDO CEILING PER DIV 26. JACKS, FACEPLATE AND CABLING PER DIV 27. SUBSCRIPT "XD/XV" INDICATES QUANTITY OF DATA/V

		CONDUIT SLEEVE / FIRE RATED SLEEVE ASSEMBLY THRU WALL (1-2" SLEEVE UNLESS NOTED OTHERWISE) PER DIV 26.
	×	WALL MOUNTED DATA OUTLET (18" MH UNLESS NOTED OTHERWISE). BOX WITH CONDUIT(S) TO ABOVE CORRIDOR CEILING PER DIV 26. JACKS, FACEPLATE AND CABLING PER DIV 27. SUBSCRIPT "X" DESIGNATES QUANTITY OF DATA CABLES. REFER TO FACEPLATE DETAILS.
Х	D/XV	WALL MOUNTED VOICE/DATA OUTLET (18" MH UNLESS NOTED OTHERWISE). BOX WITH CONDUIT(S) TO ABOVE CORRIDO CEILING PER DIV 26. JACKS, FACEPLATE AND CABLING PER DIV 27. SUBSCRIPT "XD/XV" INDICATES QUANTITY OF DATA/V CABLES. REFER TO FACEPLATE DETAILS.
	₩	WALL MOUNTED PHONE OUTLET (46" MH UNLESS NOTED OTHERWISE). BOX WITH CONDUIT TO ABOVE ACCESSIBLE CEILING PER DIV 26. JACKS, FACEPLATE AND CABLING PER DIV 27. SUBSCRIPT "W" INDICATES WALL PHONE MOUNTING PLATE. REFER TO FACEPLATE DETAILS.
H	AP	WALL MOUNTED WIRELESS ACCESS POINT (96" MH UNLESS NOTED OTHERWISE). BOX WITH CONDUIT TO ABOVE ACCESSIBLE CEILING PER DIV 26. WAP AND CABLING PER DIV 27.
	€¢x	WALL MOUNTED AV OUTLET (18" MH UNLESS NOTED OTHERWISE). BOX WITH CONDUITS TO ABOVE ACCESSIBLE CEILING PER DIV 26. REFER TO FACEPLATE DETAILS. JACKS, FACEPLATE AND CABLING PER DIV 27. SUBSCRIPT "X" INDICATES ALTERNATE CONFIGURATION.
•	$\Diamond$	TELECOM BOX AND CONDUIT PER DIV 26, REFER TO PLANS.
	<b>®</b> ∕x	WALL MOUNTED AV OUTLET (84" MH UNLESS NOTED OTHERWISE). BOX WITH CONDUIT PER DIV 26. REFER TO FACEPLA DETAILS. JACKS, FACEPLATE AND CABLING PER DIV 27. SUBSCRIPT "X" INDICATES ALTERNATE CONFIGURATION.
	𝔅 <sub>𝟧</sub>	WALL MOUNTED AV OUTLET (44" MH UNLESS NOTED OTHERWISE). BOX WITH CONDUIT PER DIV 26. REFER TO FACEPLA DETAILS. JACKS, FACEPLATE AND CABLING PER DIV 27. SUBSCRIPT "X" INDICATES ALTERNATE CONFIGURATION.
	$\otimes$	CUSTOM OUTLET IN SURFACE RACEWAY. SURFACE RACEWAY PER DIV 26. OUTLET JACKS, FACEPLATE AND CABLING PER DIV 27.
	# <sub>X</sub>	FLOOR BOX PER DIV 26. # INDICATES TYPE, REFER TO FLOOR BOX (FB) SCHEDULE. SUBSCRIPT "X" INDICATES TECHNOL DEVICE(S), REFER TO TECHNOLOGY DETAILS.
(	€,	POKE-THRU PER DIV 26. # INDICATES TYPE, REFER TO POKE-THRU (PT) SCHEDULE. SUBSCRIPT "X" INDICATES TECHNOL DEVICE(S), REFER TO TECHNOLOGY DETAILS.
11	IMI	NAIRE SYMBOLS

### LUMINAIRE SYMBOLS

90 <sup>A</sup>	LIGHTING FIXTURE. CAPITAL LETTER DENOTES FIXTURE TYPE, LOWER CASE LETTER DENOTES SWITCHING ARRANGEMENT.
♀ ♀ <b>▶</b>	LIGHTING FIXTURE ON NIGHT LIGHT OR EMERGENCY CIRCUIT.
R§ 1 S	EXIT LIGHTING FIXTURE, ARROWS AS INDICATED.

ELECTRICAL SHEET LIST - SITE		
SHEET NUMBER	SHEET NAME	
ES001	LEGEND & INDEX	
ES002	DETAILS & GENERAL NOTES	
ES003	SITE PLAN PHOTOMETRIC	
ES100	ELECTRICAL LIGHTING SITE PLAN	
ES101	ELECTRICAL POWER SITE PLAN	
Total Count: 5	Total Count: 5	

G OF STROBE. WHEN A # IS NOT OTHER LOCATIONS.
STROBE. WHEN A # IS NOT OTHER LOCATIONS.
OF STROBE. WHEN A # IS NOT _ OTHER LOCATIONS.
F STROBE. WHEN A # IS NOT _ OTHER LOCATIONS.
R WEATHERPROOF UNIT.
E. WHEN A # IS NOT SHOWN, LOCATIONS.
ELA RATING OF STROBE. CANDELA FOR ALL OTHER
UANDELA FUR ALL UTHER
RATING OF STROBE. WHEN A # FOR ALL OTHER LOCATIONS.
OF STROBE. WHEN A # IS NOT
_ OTHER LOCATIONS.
IOUNTING.
ES KEY OPERATED.
CATES RETURN.
ATES RETURN.
ATES RECEIVER FUNCTION.
DR. SUBSCRIPT "W" INDICATES
DL.
Т.

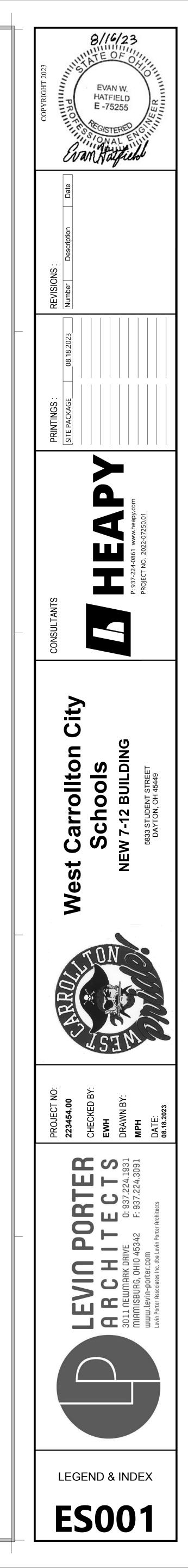
	REVIATIONS		
AP	- AREA ALARM PANEL - MEDICAL GAS	HC	- HVAC CONTRACTOR (DIVISION 23)
CC	- ACCESS	HP	- HORSE POWER OR HIGH POINT
DJ	- ADJUSTABLE	HVAC	- HEATING, VENTILATING, AND AIR CONDITIONING
F	- ARC FAULT CIRCUIT INTERRUPTER		
FCI	- ARC FAULT CIRCUIT INTERRUPTER	ID	- INSIDE DIAMETER
FF	- ABOVE FINISHED FLOOR TO BOTTOM OF ITEM	IN	- INCHES
FG	- ABOVE FINISHED GRADE TO BOTTOM OF ITEM		
LT	- ALTERNATE	KEC	- KITCHEN EQUIPMENT CONTRACTOR
P	- ACCESS PANEL		
PPROX	- APPROXIMATE	L	- LENGTH
RCH	- ARCHITECT OR ARCHITECTURAL	LBS	- POUNDS
SSY	- ASSEMBLY		
TS	- AUTOMATIC TRANSFER SWITCH	MAX	- MAXIMUM
		MEZZ	- MEZZANINE
LDG	- BUILDING	MFR	- MANUFACTURER
OE	- BOTTOM OF EQUIPMENT	MH	- MANHOLE OR MOUNTING HEIGHT TO CENTER LINE OF ITEM
OT	- BOTTOM	MIN	- MINIMUM OR MINUTE
TWN	- BETWEEN	MISC	- MISCELLANEOUS
		MTD	- MOUNTED
FCI	- CONTRACTOR FURNISHED CONTRACTOR INSTALLED	MTG	- MOUNTING
KT	- CIRCUIT		
LG	- CEILING	NIC	- NOT IN CONTRACT
MU	- CONCRETE MASONRY UNIT	NOM	- NOMINAL
ONN	- CONNECT OR CONNECTION	NTS	- NOT TO SCALE
ONTR	- CONTRACTOR		
ORR	- CORRIDOR	OD	
TR	- CENTER	OFCI	- OWNER FURNISHED CONTRACTOR INSTALLED
<b>`</b>	- DEPTH	OFOI	- OWNER FURNISHED OWNER INSTALLED
, )ET	- DEFTH	PC	- PLUMBING CONTRACTOR (DIVISION 22)
)IA	- DETAIL - DIAMETER	PLBG	- PLOMBING CONTRACTOR (DIVISION 22) - PLUMBING
MA MM	- DIAMETER - DIMENSION	PLDG	
VIV	- DIVISION	RAD	- RADIUS
N	- DOWN	REC	- RECESSED
WG	- DRAWING	REQD	- REQUIRED
///0		RI	- ROUGH-IN
A	- EACH	IXI	
C	- ELECTRICAL CONTRACTOR (DIVISION 26)	S	- SURFACE MOUNTED
J	- EXPANSION JOINT	SC	- SECURITY CONTRACTOR
LEC	- ELECTRICAL	SCH	- SCHEDULE
LEV	- ELEVATION OR ELEVATOR	SHT	- SHEET
M	- EMERGENCY	SMS	- SECURITY MANAGEMENT SYSTEM
Q	- EQUAL	SPEC	- SPECIFICATIONS
QS	- EQUIPMENT SUPPLIER	SQ	- SQUARE
QUIP	- EQUIPMENT	SS	- STAINLESS STEEL
/R	- EXISTING TO BE RELOCATED	STD	- STANDARD
X	- EXISTING TO REMAIN	STRUC	- STRUCTURAL OR STRUCTURE
XP	- EXPANSION	SUC	- SITE UTILITY CONTRACTOR
XT	- EXTERIOR		
		тс	- TECHNOLOGY CONTRACTOR
CE	- FIRE CONTROL EQUIPMENT	TEMP	- TEMPERATURE
F	- FINISHED FLOOR ELEVATION	TOE	- TOP OF EQUIPMENT
LR	- FLOOR	TYP	- TYPICAL
SC	- FIRE SUPPRESSION CONTRACTOR (DIVISION 21)		
T	- FEET	UNO	- UNLESS NOTED OTHERWISE
TG	- FOOTING		
-		VFD	- VARIABLE FREQUENCY DRIVE
SC	- GENERAL CONTRACTOR	VOL	- VOLUME
6 F	- GROUND FAULT CIRCUIT INTERRUPTER		
FCI	- GROUND FAULT CIRCUIT INTERRUPTER OR GOVERNMENT	W/	- WITH
	FURNISHED CONTRACTOR INSTALLED	W/O	- WITHOUT
	- GROUND FAULT FEED THRU	WP	- WEATHERPROOF

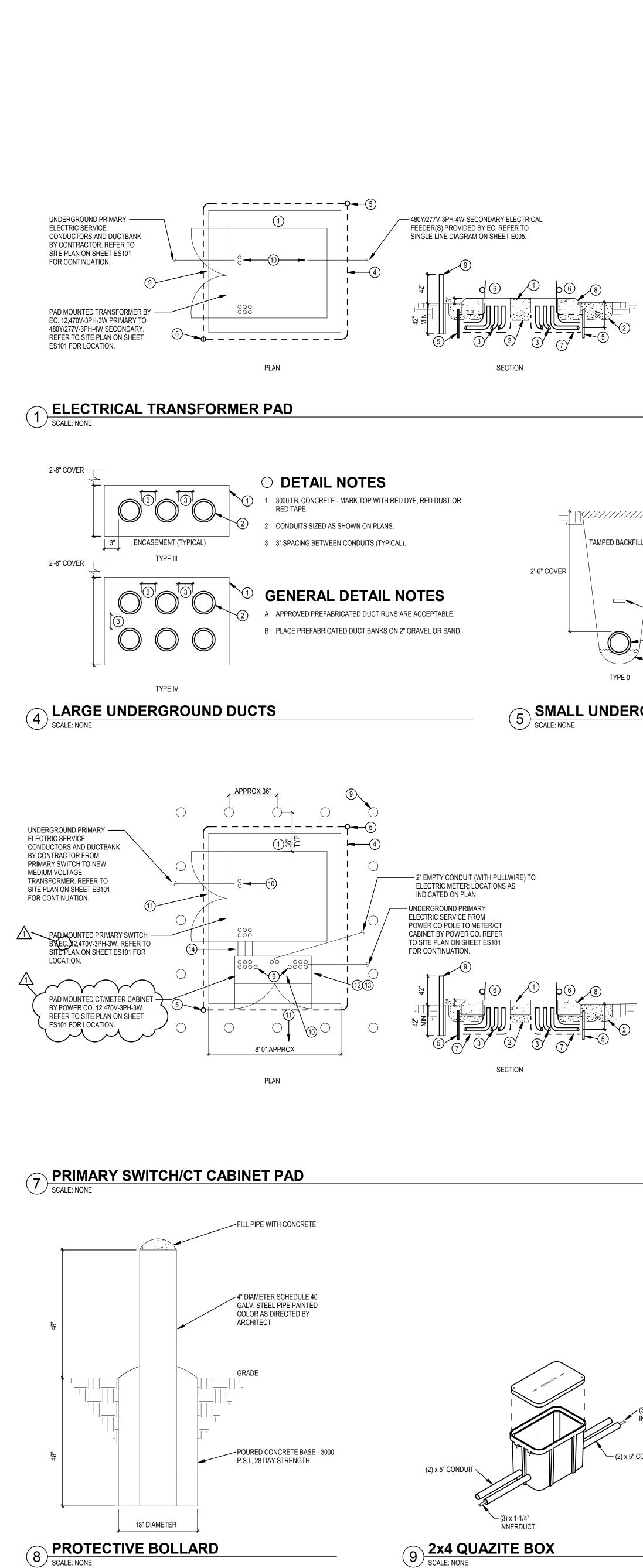
# **GENERAL FLOOR PLAN NOTES**

JIREMENTS		
TED OTHERWISE) PER DIV 26. T(S) TO ABOVE CORRIDOR	B E2	DETAIL: B = DETAIL DESIGNATION E2 = SHEET WHERE DETAIL IS LOCATED
CONDUIT(S) TO ABOVE CORRIDOR		SECTION: 1 = SECTION DESIGNATION E2 = SHEET WHERE SECTION IS LOCATED
NDICATES QUANTITY OF DATA/VOICE	T2 1	ELEVATION: 1 = ELEVATION DESIGNATION T2 = SHEET WHERE ELEVATION IS LOCATED
ITH CONDUIT TO ABOVE	3	PLAN NOTE. APPLIES ONLY TO THE SHEET WHICH IT IS SHOWN.
TO ABOVE ACCESSIBLE CEILING	3	DETAIL NOTE. APPLIES ONLY TO THE ASSOCIATED DETAIL.
27. SUBSCRIPT "X" INDICATES	3	LIGHTING CONTROL DETAIL NOTE. APPLIES TO THE LIGHTING CONTROL SEQUENCE OF OPERATIONS SCHEDULE FOR ROOM CONTROL.
PER DIV 26. REFER TO FACEPLATE	3	DEVICE QUANTITY - POWER NOTE. REFER TO DEVICE QUANTITIES - POWER SCHEDULE.
RNATE CONFIGURATION. PER DIV 26. REFER TO FACEPLATE	IIIIIII	LADDER TRAY, 12" x 4" DEEP UNLESS NOTED OTHERWISE.
RNATE CONFIGURATION. KS, FACEPLATE AND CABLING		CABLE TRAY, 12" x 4" DEEP UNLESS NOTED OTHERWISE.
SCRIPT "X" INDICATES TECHNOLOGY	4"	WIRE & CONDUIT IN WALL OR ABOVE CEILING.
SCRIPT "X" INDICATES TECHNOLOGY	<b>E</b> ==4":== <b>=</b>	WIRE & CONDUIT IN OR BELOW SLAB OR GRADE.
	C====;4"=======	CONDUIT TO BE REMOVED.
	EX	EXISTING WIRE & CONDUIT TO REMAIN.
NER CASE LETTER DENOTES	DAT DAT	CONDUIT FOR DATA CIRCUITRY.
	EM	WIRE & CONDUIT FOR EMERGENCY CIRCUITRY.
	FAFA	WIRE & CONDUIT FOR FIRE ALARM CIRCUITRY.
	W	WIRE RUN IN SURFACE WIREWAY.
	CM	CABLE MANAGEMENT SYSTEM PATHWAY.
	X - 1,2	EACH ARROWHEAD REPRESENTS ONE COMPLETE CIRCUIT; "X" DENOTES PANEL NAME; NUMBER(S) DENOTES CIRCUIT(S).

> NOTE: ALL SYMBOLS AND ABBREVIATIONS ARE SUBJECT TO MODIFICATIONS ON OTHER DRAWINGS.

ALL SYMBOLS OR ABBREVIATIONS MIGHT NOT NECESSARILY BE USED ON THIS PROJECT.





### **DETAIL NOTES**

- 1 CONCRETE PAD BY E.C. 10" THICKNESS AND OPENINGS AS RECOMMENDED BY SUPPLIER OF TRANSFORMER. 1/2" DIA. REINFORCED 12"CC BOTH WAYS.
- 2 PEA GRAVEL UNDER CONCRETE PAD 12" MINIMUM TO EXTEND 2FT. BEYOND EDGE OF PAD (12" DEEP).
- 3 SEE PLAN AND SCHEDULES FOR NUMBER AND SIZE OF CONDUIT.
- 4 GROUND GRID, #1/0 BARE COPPER UNLESS OTHERWISE SHOWN.
- 5 5/8" X 10FT. GROUND RODS UNLESS OTHERWISE SHOWN.
- 6 5FT. #1/0 BARE COPPER GROUNDING PIGTAIL.
- 7 ALL PRIMARY AND SECONDARY UNDERGROUND CONDUITS TO HAVE LONG SWEEPING BENDS, PROPER ADAPTER FROM PVC TO RIGID METALLIC CONDUIT AND STUB 3" ABOVE CONCRETE PAD.
- 8 EXPOSED CONCRETE SURFACES TO HAVE RUBBED FINISH AND 3/4" CHAMFERED CORNERS.
- 9 A MINIMUM OF 10FT. CLEAR AREA MUST BE MAINTAINED IN FRONT OF TRANSFORMER AND OTHER ELECTRIC DISTRIBUTION EQUIPMENT.

### **GENERAL DETAIL NOTES**

- COORDINATE EXACT CONCRETE PAD SIZE, OPENINGS AND OTHER REQUIREMENTS TO EXTEND EDGE OF CONCRETE 12" BEYOND EQUIPMENT. ALL SIDES OF EQUIPMENT PAD SHALL BE MAINTAINED RECTANGULAR WITH RUBBED FINISH AND CHAMFERED EDGE. REFER TO SPEC SECTION 26 27 13. COORDINATE EXACT ORIENTATION OF EQUIPMENT WITH POWER COMPANY PRIOR TO EXCAVATION AND PROVIDE ACCORDINGLY.
- B BOLLARDS NOT TO BE PROVIDED ON SIDES NEAR BUILDING

# 2'-6" COVER ENCASEMENT (TYPICAL) TYPE I TYPE 0

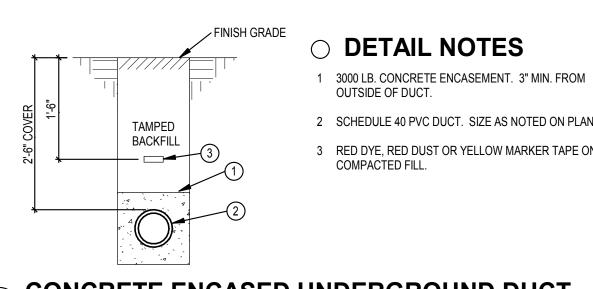
# SMALL UNDERGROUND DUCTS

# **DETAIL NOTES**

- 3000 LB. CONCRETE MARK TOP WITH RED DYE, RED DUST OR RED TAPE.
- 2 CONDUITS SIZED AS SHOWN ON PLANS.
- 3 3" SPACING BETWEEN CONDUITS (TYPICAL).
- 4 DIRECT BURIAL DUCT "NO-CRETE" OR RIGID PVC. SIZE AS NOTED ON PLANS.
- 5 3" SAND CUSHION.
- 6 RED MARKER TAPE ON COMPACTED FILL.

### **GENERAL DETAIL NOTES**

A APPROVED PREFABRICATED DUCT RUNS ARE ACCEPTABLE. B PLACE PREFABRICATED DUCT BANKS ON 2" GRAVEL OR SAND.



- DETAIL NOTES
- I CONCRETE PAD BY E.C. 10" THICKNESS AND OPENINGS AS REQUIRED BY AES. 1/2" DIA. REINFORCED
- 12"CC BOTH WAYS. 2 PEA GRAVEL UNDER CONCRETE PAD 12" MINIMUM TO EXTEND 2FT. BEYOND EDGE OF PAD (12" DEEP).
- 3 SEE PLAN AND SCHEDULES FOR NUMBER AND SIZE OF CONDUIT.
- 4 GROUND GRID, #1/0 BARE COPPER UNLESS OTHERWISE SHOWN.
- 5 5/8" X 10FT. GROUND RODS UNLESS OTHERWISE SHOWN.
- 6 5FT. #1/0 BARE COPPER GROUNDING PIGTAIL.

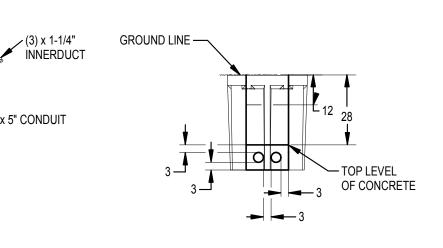
TYPE II

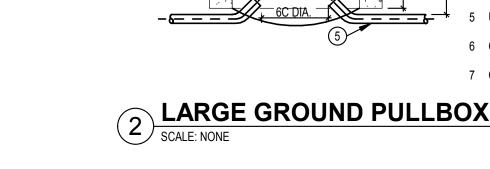
- 7 CONCRETE DUCT ENCASEMENT.
- 8 EXPOSED CONCRETE SURFACES TO HAVE RUBBED FINISH AND 3/4" CHAMFERED CORNERS.
- 9 PROTECTIVE BOLLARD WHERE SPECIFIED: CONSISTING OF 4" DIA. RIGID GALVANIZED STEEL PIPES FILLED WITH CONCRETE. SET IN 18" DIA. HOLE FILLED WITH TAMPED CONCRETE.
- 10 ALL PRIMARY AND SECONDARY UNDERGROUND CONDUITS TO HAVE LONG SWEEPING BENDS, PROPER ADAPTER FROM PVC TO RIGID METALLIC CONDUIT AND STUB 3" ABOVE CONCRETE PAD.
- 11 A MINIMUM OF 10FT. CLEAR AREA MUST BE MAINTAINED IN FRONT OF PRIMARY SWITCH AND OTHER
- ELECTRIC DISTRIBUTION EQUIPMENT.
- 12 REFER TO SPEC. SECTION 26 27 13 FOR METERING REQUIREMENTS. COORDINATE METERING AND SERVICE ENTRANCE REQUIREMENTS WITH POWER COMPANY.
- 13 TRANSITION CABINET WITH METERING TRANSFORMERS.
- 14 TRENCH WITH DIAMOND PLATE COVER FOR SECONDARY CONDUCTOR IF PERMITED BY POWER COMPANY MY BE PROVIDED.

### **GENERAL DETAIL NOTES**

- A COORDINATE EXACT CONCRETE PAD SIZE, OPENINGS AND OTHER REQUIREMENTS TO EXTEND EDGE OF CONCRETE 12" BEYOND EQUIPMENT. ALL SIDES OF EQUIPMENT PAD SHALL BE MAINTAINED RECTANGULAR WITH RUBBED FINISH AND CHAMFERED EDGE. REFER TO SPEC SECTION 26 27 13. COORDINATE EXACT ORIENTATION OF EQUIPMENT WITH POWER COMPANY
- B BOLLARDS NOT TO BE PROVIDED ON SIDES NEAR BUILDING

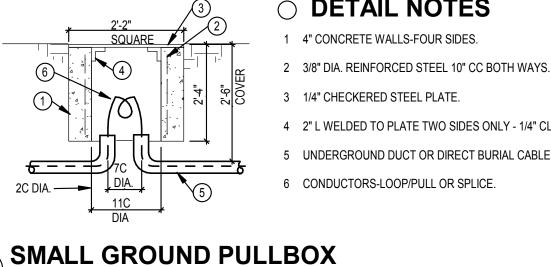
PRIOR TO EXCAVATION AND PROVIDE ACCORDINGLY.

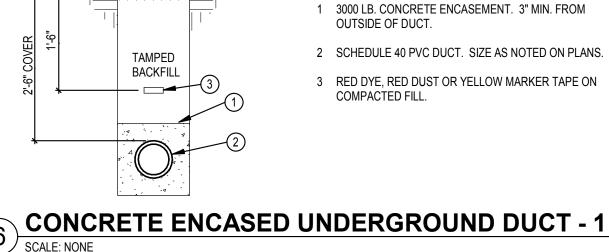




SCALE: NONE

3'-10" SQUARE





# ○ DETAIL NOTES

1 5" CONCRETE WALLS, FOUR SIDES. 1/2" DIA. REINFORCED STEEL-10"CC BOTH WAYS.

1/4" CHECKERED STEEL PLATE COVER. 2"X2"X1/4" L WELDED TO PLATE. TWO SIDES ONLY 1/4"

CLEARANCE FIT. 5 UNDERGROUND DUCT-TURN UP @ 45 DEG.

6 CONDUCTORS-LOOP/PULL OR SPLICE.

7 CROSSWISE FOR SUPPORT.

## DETAIL NOTES

4" CONCRETE WALLS-FOUR SIDES.

4 2" L WELDED TO PLATE TWO SIDES ONLY - 1/4" CLEARANCE FIT.

5 UNDERGROUND DUCT OR DIRECT BURIAL CABLE AS INDICATED.

# **DETAIL NOTES**

OUTSIDE OF DUCT. 2 SCHEDULE 40 PVC DUCT. SIZE AS NOTED ON PLANS. 3 RED DYE, RED DUST OR YELLOW MARKER TAPE ON

- A. ALL CONDUCTORS WILL BE COPPER IN CONDUIT UNLESS NOTED OTHERWISE. SEE SPECIFICATIONS FOR EXCEPTIONS THAT WILL ALLOW ALUMINUM CONDUCTORS.
- B. ALL WORK WILL BE DONE IN ACCORDANCE WITH THE NEC FOR A COMPLETE AND OPERATIONAL INSTALLATION.
- C. PROVIDE A SEPARATE NEUTRAL CONDUCTOR WITH EACH 20A., 120V. POWER CIRCUIT GROUND TOTAL SYSTEM PER NEC 250.
- D. ALL 20 AMP, 120 VOLT POWER CIRCUITS SHALL CONSIST OF #12 AWG CONDUCTORS UNLESS INDICATED OTHERWISE. E. ALL EMPTY CONDUITS SHALL BE INSTALLED WITH PULLWIRE PER SPECIFICATIONS.
- F. ALL SURFACE PATCHING AND FINISHING WILL BE BY THE ELECTRICAL CONTRACTOR OR TO POINT CONSISTENT WITH G.C. RESPONSIBILITIES.
- G. ALL ELECTRICAL SPLICES FOR WIRE SIZES 6 AWG AND LARGER SHALL BE HYDRAULIC CRIMP TYPE.
- H. E.C. IS RESPONSIBLE FOR REMOVALS/RELOCATIONS OF ALL SITE WIRING/CONDUIT, ETC., WHICH HAS COME INTO CONFLICT WITH NEW WORK, E.C. IS RESPONSIBLE FOR REMOVAL OF ALL BRANCH CIRCUITS AND FEEDERS SERVING SPECIFIC ITEMS OF MECH./MISC. EQUIPMENT TO BE REMOVED BY OTHERS; COORDINATE WITH OTHER TRADES. NOT ALL REMOVAL WORK OR DEVICES ARE NECESSARILY SHOWN ON DRAWINGS.
- I. ALL EXPOSED CONDUIT ABOVE GRADE WILL BE RIGID GALVANIZED METALLIC WITH ALL STEEL FITTING, PAINTED TO MATCH SURFACES ON WHICH THEY ARE MOUNTED.
- J. ALL EXTERIOR MOUNTED CONDUIT SHALL BE SEALED WATER AND MOISTURE TIGHT. ALL EXTERIOR MOUNTED DEVICES SHALL BE WEATHERPROOF NEMA 3R, UNLESS OTHERWISE NOTED.
- K. PROVIDE NEW CONDUITS TO ALLOW FOR PROPER BENDING RADIUS OF ALL SYSTEMS CABLING AND WIRING INSTALLED UNDER THIS CONTRACT AS RECOMMENDED BY MANUFACTURERS OF EACH CABLE TYPE. 1 WHERE EXISTING CONDUITS AND UNDERGROUND DUCTBANKS ARE UTILIZED, EXTREME CARE MUST BE TAKEN TO PROTECT CABLES DURING INSTALLATION. 2 WHERE EXISTING ACCESSIBLE CONDUITS ARE UTILIZED, REPLACE EXISTING ELBOWS AND OTHER OFFSETS AS REQUIRED TO MEET BENDING RADIUS REQUIREMENTS.
- L. E.C. IS RESPONSIBLE TO PROVIDE CONCRETE PADS FOR ALL ELECTRIC EQUIPMENT ASSOCIATED WITH HIS WORK. NOT ALL CONCRETE PADS ARE NECESSARILY INDICATED OR SPECIFIED ON THE DRAWINGS AND SPECIFICATIONS. REFER TO SPEC SECTION 03300. COORDINATE EXACT SIZE, REINFORCING AND OTHER SPECIFIC REQUIREMENTS WITH THE APPROPRIATE EQS AND PROVIDE ACCORDINGLY.
- M. THESE NOTES APPLY EQUALLY TO THE FULL SET OF ELECTRICAL DOCUMENTS
- N. ALL UNDERGROUND CONDUITS/DUCTBANKS SHALL BE SCHEDULE 40 PVC PER DETAIL(S) ON SHEET E004. ALL STUBS AND 90 DEGREE ELBOWS SHALL BE FIBERGLASS OR RIGID GALVANIZED STEEL. LOCATE AND DIMENSION ALL ROUTES ON "AS-BUILTS" DRAWINGS ACCORDINGLY. METALLIC CONDUITS ARE TO BE UTILIZED ON RISERS. ALL EMPTY CONDUITS SHALL HAVE PULLWIRES. ALL CONDUITS TO BE DIRECT BURIED AT 36" BELOW GRADE UNLESS INDICATED OTHERWISE. PROVIDE CONCRETE ENCASEMENT WHERE INDICATED ON PLAN.
- O. THIS CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITIES, MISCELLANEOUS CONDUITS AND PIPING PRIOR TO ANY DIGGING. ANY DAMAGE TO ABOVE MENTIONED ITEMS SHALL BE HIS RESPONSIBILITY TO REPAIR. P. COORDINATE EXACT ROUTE OF ALL UNDERGROUND CONDUITS AT SITE PRIOR TO EXCAVATION. UTILIZE LONG SWEEPING BENDS ON
- ALL UNDERGROUND CONDUITS. Q. VERIFY EXACT LOCATION OF ALL EXTERIOR LIGHTING FIXTURES WITH CIVIL DRAWINGS AND/OR ARCHITECT PRIOR TO ROUGH-IN.
- COORDINATE LOCATIONS OF LIGHTING FIXTURES WITH UNDERGROUND UTILITIES BEFORE ROUGH-IN TO PREVENT CONFLICTS. R. THE NOTES AND SYMBOLS SET DOWN ON THESE DRAWINGS ARE FOR THE GUIDANCE OF ALL TRADES INVOLVED IN THE PROJECT
- AND MUST BE FOLLOWED TO EXECUTE THE WORK AS INTENDED. S. EXACT LOCATION OF ALL DEVICES SERVING EQUIPMENT TO BE VERIFIED AT SITE WITH OWNER'S REPRESENTATIVE AND/OR ARCHITECT PRIOR TO ROUGH-IN.
- T. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL NEW ELECTRICAL DEVICES WITH THE ARCHITECT PRIOR TO ROUGH-IN. DEVICES SHALL INCLUDE ALL NEW WORK INDICATED ON THE DRAWINGS; INCLUDING BUT NOT LIMITED TO POWER RECEPTACLES, TV OUTLET, LIGHTING CONTROLS AND SWITCHES, MOTOR CONTROLLERS, FA COMPONENTS, INTERCOM/PAGING COMPONENTS AND SECURITY/CCTV EQUIPMENT.
- U. ALL RECEPTACLES TO BE MOUNTED AT 18"M.H. UNLESS OTHERWISE NOTED.
- V. E.C. IS RESPONSIBLE TO COORDINATE ALL DEVICE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN TO AVOID CONFLICTS. ANY DEVICE LOCATION NOT PROPERLY COORDINATED WITH CASEWORK, FURNITURE, WHITEBOARDS, ETC SHALL BE THE COST RESPONSIBILITY OF THE E.C. TO RELOCATE PROPERLY.
- W. BRANCH CIRCUIT WIRE SIZING CHART TO BE UTILIZED AS GUIDELINE FOR VOLTAGE DROP COMPENSATION, INCREASE CONDUIT SIZING PER WIRE SIZE.

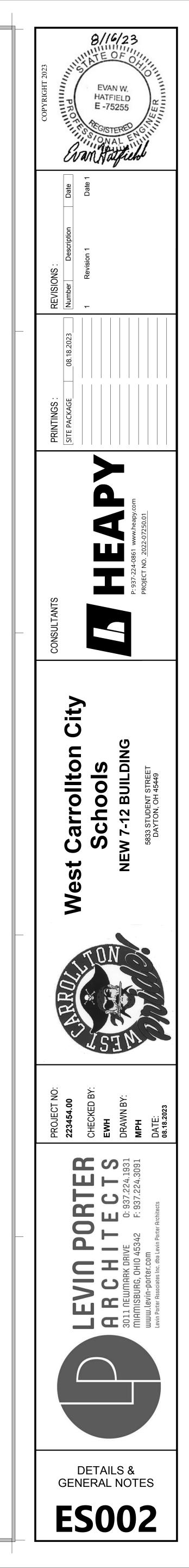
A) 20A-120V CIRCUITS	B) 20A-208V CIRCUITS
1) #12 WIRE - 60' LENGTH MAX.	1) #12 WIRE - 138' LENGTH MAX.
2) #10 WIRE - 94' LENGTH MAX.	2) #10 WIRE - 219' LENGTH MAX.
3) # 8 WIRE - 137' LENGTH MAX.	3) # 8 WIRE - 318' LENGTH MAX.
4) # 6 WIRE - 218' LENGTH MAX.	4) # 6 WIRE - 504' LENGTH MAX.

- X. E.C. IS RESPONSIBLE TO PROVIDE ANY AND ALL ELECTRICAL WORK AND ROUGH-INS ASSOCIATED AND CALLED OUT ON THE TECHNOLOGY DRAWINGS/DETAILS. REFER TO TECHNOLOGY DRAWINGS FOR EXACT SCOPE OF WORK AND PROVIDE ACCORDINGLY.
- Y. E.C. IS RESPONSIBLE TO WARRANTY WORK FOR A ONE YEAR PERIOD STARTING ON THE DATE OF SUBSTANTIAL COMPLETION. E.C. SHALL SCHEDULE A ONE YEAR WARRANTY WALK-THROUGH WITH THE OWNER AND ENGINEER 9 MONTHS FROM THE SUBSTANTIAL COMPLETION DATE (3 MONTHS PRIOR TO END OF THE ONE YEAR WARRANTY PERIOD). E.C. IS RESPONSIBLE AT THAT TIME TO REPLACE/REPAIR ANY NON-WORKING EQUIPMENT OR DEVICES COVERED UNDER THE WARRANTY AS DESCRIBED IN THE CONTRACT SPECIFICATIONS.
- Z. THE CONTRACTOR SHALL REFER TO ALL SPECIFICATIONS SECTIONS, AND ELECTRICAL DRAWINGS FOR DETAILS OF SITE DEVELOPMENT TO ENSURE SPACE AND SATISFACTORY ARRANGEMENT FOR THEIR WORK. THE VARIOUS DRAWINGS COMPRISING THE SET ARE INTERDEPENDENT AND MUST BE USED JOINTLY AT ALL TIMES. EACH CONTRACTOR SHOULD REFER TO THE GENERAL REQUIREMENTS OF THE CONTRACT. THESE NOTES AND SYMBOLS SET DOWN ON THE DRAWINGS ARE FOR THE GUIDANCE OF ALL TRADES INVOLVED IN THE PROJECT AND MUST BE FOLLOWED TO EXECUTE THE WORK AS INTENDED. IF DISCREPANCIES OCCUR, CONTACT THE CM FOR CLARIFICATION BEFORE PROCEEDING.
- AA. DRAWINGS INDICATE EQUIPMENT AND DEVICES BUT MINIMAL WIRING; E.C. IS RESPONSIBLE TO PROVIDE WIRING, BRANCH CIRCUITRY CABLING ETC... TO EVERY ELECTRICAL DEVICE INDICATED ON THESE PLANS.
- BB. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS ON THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. SEE SPECIFICATIONS FOR MORE SPECIFIC DETAILS ON RESPONSIBILITIES.
- CC. FIELD VERIFY DIMENSIONAL INFORMATION PRIOR TO ORDERING EQUIPMENT. DO NOT SCALE DRAWINGS.

GG. ALL WORK SHALL BE PERFORMED IN COMPLETE COMPLIANCE WITH ALL GOVERNING CODES AND STANDARDS.

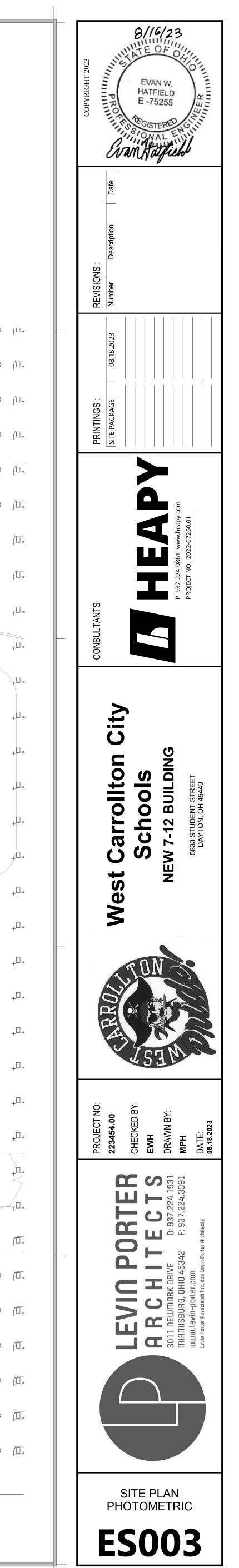
- DD. DIMENSIONS ARE TYPICALLY INDICATED TO THE FINISHED FACE OF WALLS OR PARTITIONS AND CENTER LINES OF COLUMNS UNLESS OTHERWISE INDICATED.
- EE. TITLES, CAPTIONS, HEADINGS, ETC. ARE INTENDED FOR GENERAL REFERENCE AND ARE NOT INTENDED TO LIMIT THE WORK REQUIRED IN ANY WAY.
- FF. EACH CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF OTHERS. HE SHALL KEEP HIMSELF INFORMED OF THE PROGRESS AND DETAIL DEVELOPMENT OF THE WORK OF OTHERS AND SHALL BE RESPONSIBLE FOR COORDINATING AND EXPEDITING HIS WORK WITH OTHERS SO THAT THE PROGRESS OF THE TOTAL WORK SHALL BE KEPT ON SCHEDULE.
- HH. EACH CONTRACTOR AND/OR TRADE FITTING OR PLACING HIS WORK INTO OR ON THE WORK OF OTHERS DOES SO WITH THE UNDERSTANDING THAT THE INSTALLATION OF HIS WORK CONSTITUTES HIS ACCEPTANCE OF THE SUITABILITY OF THE WORK IN PLACE. IF THE WORK OF OTHERS IS NOT ACCEPTABLE, HE SHALL NOTIFY THE CM AND SUCH WORK SHALL BE CORRECTED. ANY NEW WORK INSTALLED IN UNSUITABLE EXISTING WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR TRADE INSTALLING THE NEW WORK. NO CLAIMS FOR ADDITIONAL COMPENSATION FOR CORRECTING WORK INSTALLED IN UNSUITABLE EXISTING CONDITIONS WILL BE CONSIDERED.
- II. ANY STRUCTURAL MECHANICAL, ELECTRICAL, FIRE PROTECTION, OR PLUMBING INFORMATION INDICATED ON THE ARCHITECTURAL DRAWINGS IS FOR REFERENCE PURPOSES ONLY UNLESS OTHERWISE INDICATED.

ARCHITECTURAL DRAWINGS AND/OR DEVICE MOUNTING ON/IN ACOUSTICAL WALLS TO BE COORDINATED WITH ARCHITECT.

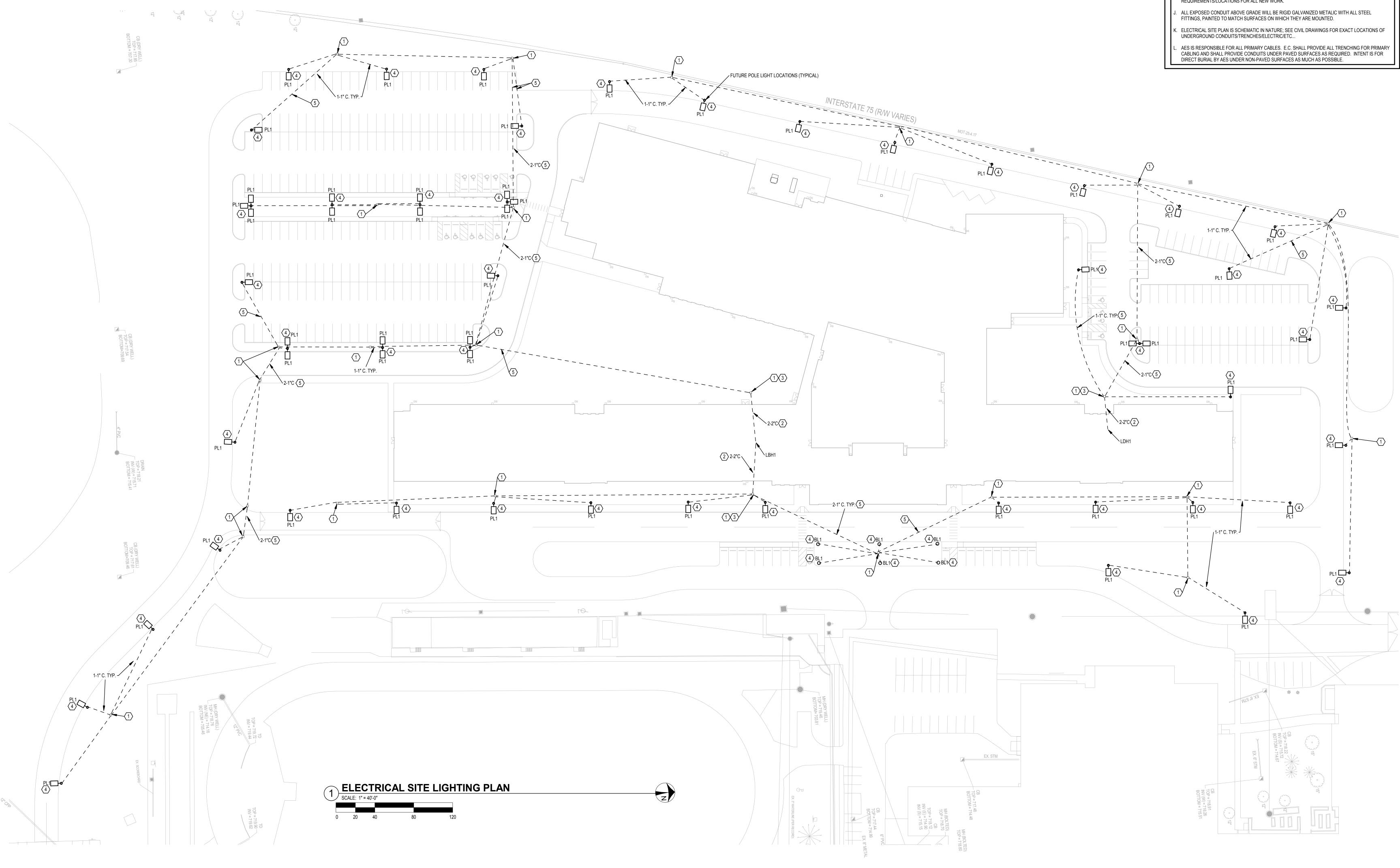


РΖ	
<u> </u>	
4:55	
023	
4/20	

	01 <u>(0.00</u> <u>(</u> 0
	01 <sub>+</sub> 0.01 <u>(</u>
	04 <sub>+</sub> 0.01 <sub>+</sub> 0
	Б <sub>+</sub> D. 14 <sub>+</sub> D
	4 <sub>+</sub> □.90 <sub>+</sub> □
	4 <sub>+</sub> 0.64 <sub>+</sub> 0
	7 <sub>+</sub> 0.13 <sub>+</sub> 0
	21 +0.06 +0
	3 <sub>+</sub> 0.48 <sub>+</sub> 0
	<b>9</b> +1.0 +0
	0 <sub>+</sub> 0.18 <sub>+</sub> 0
	58 <sub>+</sub> 0.07 <sub>+</sub> 0
1.00 + 0.01 + 0.03 + 0.05 + 0.20 + 2.1 + 3.0 + 1.4 + 1.3 + 1.6 + 1.7 + 4.3 + 2.6 + 3.4 + 3.5 + 0.71 + 1.7 + 4.3 + 2.6 + 3.4 + 3.5 + 0.71 + 1.7 + 4.3 + 2.6 + 3.4 + 3.6 + 1.7 + 1.2 + 3.6 + 3.7 + 1.6 + 1.2 + 3.7 + 3.7 + 3.7 + 1.6 + 1.2 + 3.7 + 3.7 + 1.6 + 1.2 + 3.7 + 3.7 + 1.6 + 1.2 + 3.7 + 3.7 + 1.6 + 1.2 + 3.7 + 3.7 + 1.6 + 1.2 + 3.7 + 3.7 + 1.6 + 1.2 + 3.7 + 3.7 + 1.6 + 1.2 + 3.7 + 3.7 + 1.6 + 1.2 + 3.7 + 3.7 + 3.7 + 1.6 + 1.2 + 3.7 + 3.7 + 1.6 + 1.2 + 3.7 + 3.7 + 1.6 + 1.2 + 3.7 + 3.7 + 1.6 + 1.2 + 3.7 + 3.7 + 1.6 + 1.2 + 3.7 + 3.7 + 1.6 + 1.2 + 3.7 + 3.7 + 1.6 + 1.2 + 3.7 + 3.7 + 1.6 + 1.2 + 3.7 + 3.7 + 1.6 + 1.2 + 3.7 + 3.7 + 1.6 + 1.2 + 3.7 + 3.7 + 1.6 + 1.2 + 3.7 + 3.7 + 1.6 + 1.2 + 3.7 + 3.7 + 1.6 + 1.2 + 3.7 + 3.7 + 1.6 + 1.2 + 3.7 + 1.2 + 3.7 + 1.6 + 1.2 + 3.7 + 1.2 + 1.2 + 3.7 + 1.2 + 1.2 + 1.2 + 1.2 + 1.2 + 1.2 + 1.2 + 1.2 + 1.2 + 1.2 + 1.2 + 1.2 + 1.2 + 1.2 + 1.2 +	
	<b>}•</b>
	-19 +0.03 +0
ELECTRICAL SITE PLAN PHOTOMETRIC	







# 

 FLUSH GRADE PULLBOX ENCLOSURE WITH GREEN CONCRETE COVER WITH APPROPRIATE LOGO, PER DETAILS 2&3, ON SHEET ES002. PULLBOX SHALL HAVE APPROPRIATE VOLTAGE BARRIERS FOR WIRING WITH DIFFERENT VOLTAGES AND LABELS ON WIRING TO INDICATE BRANCH CIRCUITS.

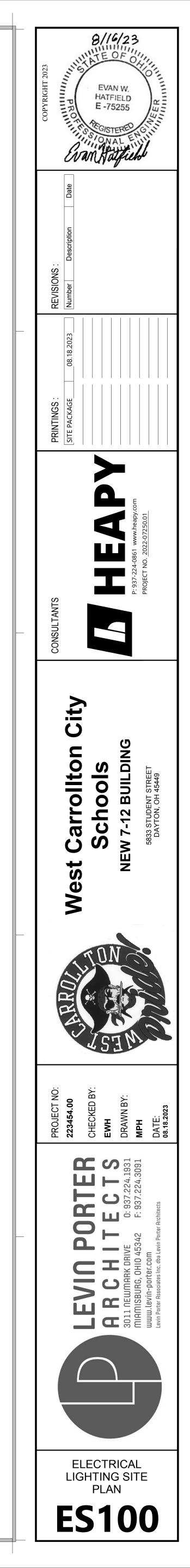
2. PROVIDE (2) - 2" CONDUITS FROM LIGHTING PANEL TO LIGHTING CIRCUITS. CLOSELY COORDINATE FINAL ROUTING OF THESE CONDUITS WITH FOUNDATION FOOTERS TO AVOID ANY CONFLICT WITH OTHER TRADES PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY.

3. FLUSH GRADE PULLBOX PER NOTE 1 THIS SHEET. PULLBOX CONTAINS ALL EXTERIOR LIGHTING CONDUITS; EXTEND 2-2"C FROM THIS PULLBOX TO ELECTRIC ROOM TO SERVE EXTERIOR LIGHTING.

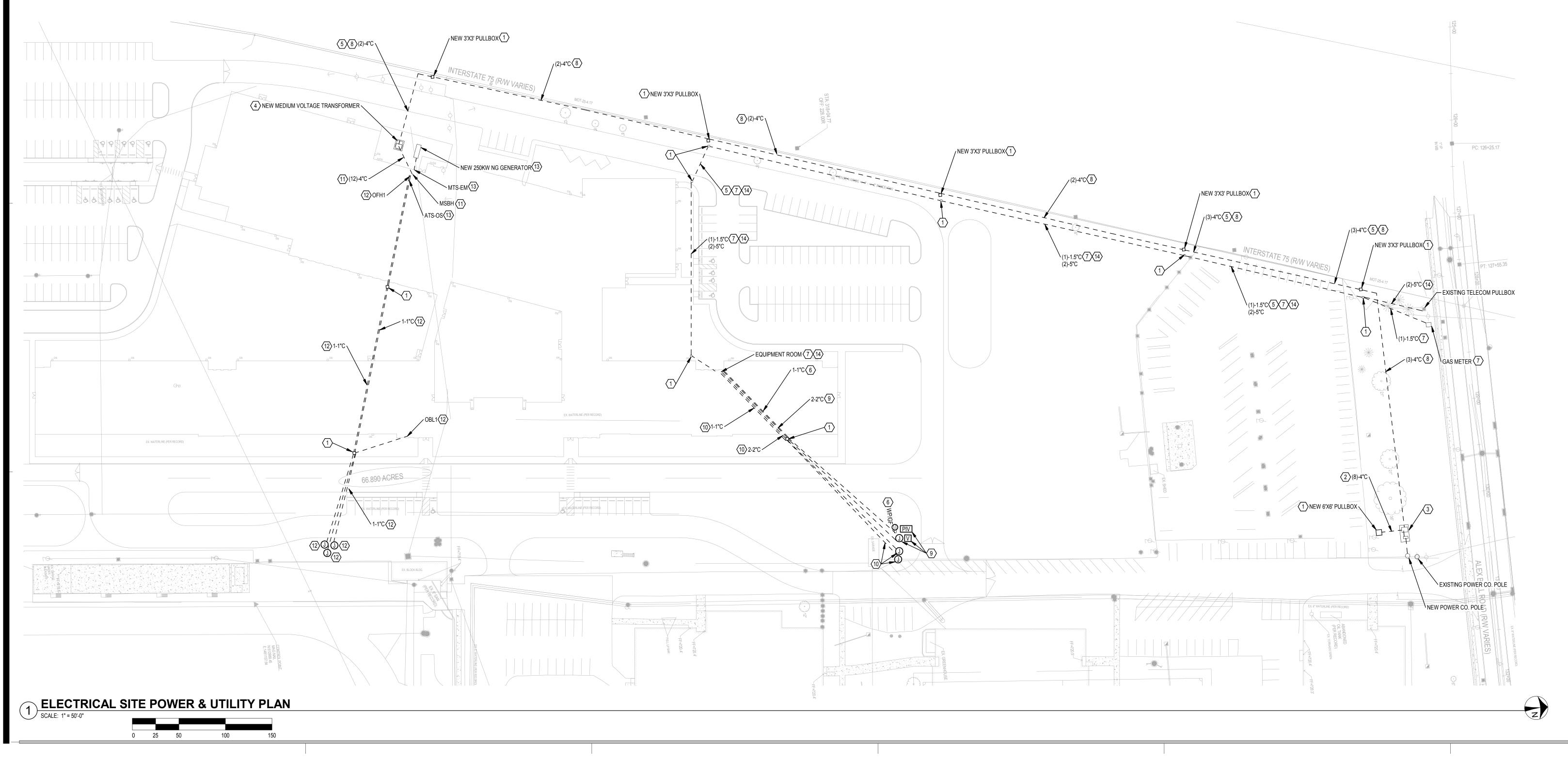
4. PROVIDE 20A, 277V-1PH LIGHTING CIRCUIT WITH 2-#8, 1-#8 GRD. IN COMMON 1" CONDUIT TO EXTERIOR LIGHTING PULLBOX (NOTE 1, THIS SHEET). EXTEND FROM LIGHT FIXTURE POLE TO PULLBOX AS INDICATED. PROVIDE (1)-1"C SPARE WITH PULLSTRING BETWEEN PULLBOXES. WIRING SHALL BE PROVIDED UNDER BUILDING PACKAGE. 5. ALL CONDUITS INSTALLED UNDER DRIVEWAYS AND PARKING AREAS WHERE AUTOMOBILE TRAFFIC PASSES THROUGH SHALL BE CONCRETE ENCASED.

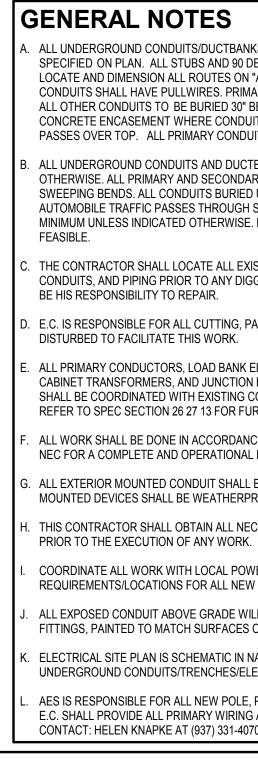
## GENERAL NOTES

- A. ALL UNDERGROUND CONDUITS/DUCTBANKS SHALL BE SCHEDULE 40 PVC PER DETAIL(S) AS SPECIFIED ON PLAN. ALL STUBS AND 90 DEGREE ELBOWS SHALL BE RIGID GALVANIZED STEEL. LOCATE AND DIMENSION ALL ROUTES ON "AS BUILT" DRAWINGS ACCORDINGLY. ALL EMPTY CONDUITS SHALL HAVE PULLWIRES. PRIMARY ELECTRIC DUCTS TO BE BURIED AT 36" BELOW GRADE. ALL OTHER CONDUITS TO BE BURIED 30" BELOW GRADE UNLESS INDICATED OTHERWISE. PROVIDE CONCRETE ENCASEMENT WHERE CONDUITS RUN BELOW PAVED SURFACES OR WHERE TRAFFIC PASSES OVER TOP. ALL PRIMARY CONDUITS SHALL BE CONCRETE ENCASED.
- 3. ALL UNDERGROUND CONDUITS AND DUCTBANKS SHALL BE DIRECT BURIED UNLESS INDICATED OTHERWISE. ALL PRIMARY AND SECONDARY CONDUITS AND DUCTBANKS SHALL HAVE LONG SWEEPING BENDS. ALL CONDUITS BURIED UNDER DRIVEWAYS AND PARKING AREAS WHERE AUTOMOBILE TRAFFIC PASSES THROUGH SHALL BE CONCRETE ENCASED. ALL CONDUIT SHALL BE 1" MINIMUM UNLESS INDICATED OTHERWISE. E.C. SHALL UTILIZE COMMON TRENCH(ES) WHEREVER FEASIBLE.
- THE CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITIES, MISCELLANEOUS CONDUITS, AND PIPING PRIOR TO ANY DIGGING. ANY DAMAGE TO ABOVE MENTIONED ITEMS SHALL BE HIS RESPONSIBILITY TO REPAIR.
- D. E.C. IS RESPONSIBLE FOR ALL CUTTING, PATCHING, AND RESURFACING OF ANY/ALL HARD SURFACES DISTURBED TO FACILITATE THIS WORK.
- . ALL PRIMARY CONDUCTORS, LOAD BANK ELBOWS, TERMINATIONS AT RISER POLE, METERING CABINET TRANSFORMERS, AND JUNCTION BOXES SHALL BE PROVIDED BY POWER CO. ALL WORK SHALL BE COORDINATED WITH EXISTING CONDITIONS, OWNER AND POWER CO. PRIOR TO ROUGH-IN. REFER TO SPEC SECTION 26 27 13 FOR FURTHER INFORMATION.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL GOVERNING CODES/STANDARDS AND THE NEC FOR A COMPLETE AND OPERATIONAL INSTALLATION.
- G. ALL EXTERIOR MOUNTED CONDUIT SHALL BE SEALED WATER AND MOISTURE TIGHT. ALL EXTERIOR MOUNTED DEVICES SHALL BE WEATHERPROOF NEMA 3R, UNLESS OTHERWISE NOTED. . THIS CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND PERMISSIONS FROM THE AHJ
- PRIOR TO THE EXECUTION OF ANY WORK. COORDINATE ALL WORK WITH LOCAL POWER COMPANY; VERIFY EXISTING CONDITIONS AND EXACT REQUIREMENTS/LOCATIONS FOR ALL NEW WORK.









## **GENERAL NOTES**

A. ALL UNDERGROUND CONDUITS/DUCTBANKS SHALL BE SCHEDULE 40 PVC PER DETAIL(S) AS SPECIFIED ON PLAN. ALL STUBS AND 90 DEGREE ELBOWS SHALL BE RIGID GALVANIZED STEEL. LOCATE AND DIMENSION ALL ROUTES ON "AS BUILT" DRAWINGS ACCORDINGLY. ALL EMPTY CONDUITS SHALL HAVE PULLWIRES. PRIMARY ELECTRIC DUCTS TO BE BURIED AT 36" BELOW GRADE. ALL OTHER CONDUITS TO BE BURIED 30" BELOW GRADE UNLESS INDICATED OTHERWISE. PROVIDE CONCRETE ENCASEMENT WHERE CONDUITS RUN BELOW PAVED SURFACES OR WHERE TRAFFIC PASSES OVER TOP. ALL PRIMARY CONDUITS SHALL BE CONCRETE ENCASED.

B. ALL UNDERGROUND CONDUITS AND DUCTBANKS SHALL BE DIRECT BURIED UNLESS INDICATED OTHERWISE. ALL PRIMARY AND SECONDARY CONDUITS AND DUCTBANKS SHALL HAVE LONG SWEEPING BENDS. ALL CONDUITS BURIED UNDER DRIVEWAYS AND PARKING AREAS WHERE AUTOMOBILE TRAFFIC PASSES THROUGH SHALL BE CONCRETE ENCASED. ALL CONDUIT SHALL BE 1" MINIMUM UNLESS INDICATED OTHERWISE. E.C. SHALL UTILIZE COMMON TRENCH(ES) WHEREVER

THE CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITIES, MISCELLANEOUS CONDUITS, AND PIPING PRIOR TO ANY DIGGING. ANY DAMAGE TO ABOVE MENTIONED ITEMS SHALL BE HIS RESPONSIBILITY TO REPAIR. D. E.C. IS RESPONSIBLE FOR ALL CUTTING, PATCHING, AND RESURFACING OF ANY/ALL HARD SURFACES

E. ALL PRIMARY CONDUCTORS, LOAD BANK ELBOWS, TERMINATIONS AT RISER POLE, METERING CABINET TRANSFORMERS, AND JUNCTION BOXES SHALL BE PROVIDED BY POWER CO. ALL WORK SHALL BE COORDINATED WITH EXISTING CONDITIONS, OWNER AND POWER CO. PRIOR TO ROUGH-IN. REFER TO SPEC SECTION 26 27 13 FOR FURTHER INFORMATION.

ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL GOVERNING CODES/STANDARDS AND THE NEC FOR A COMPLETE AND OPERATIONAL INSTALLATION.

G. ALL EXTERIOR MOUNTED CONDUIT SHALL BE SEALED WATER AND MOISTURE TIGHT. ALL EXTERIOR MOUNTED DEVICES SHALL BE WEATHERPROOF NEMA 3R, UNLESS OTHERWISE NOTED. THIS CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND PERMISSIONS FROM THE AHJ

COORDINATE ALL WORK WITH LOCAL POWER COMPANY; VERIFY EXISTING CONDITIONS AND EXACT REQUIREMENTS/LOCATIONS FOR ALL NEW WORK.

ALL EXPOSED CONDUIT ABOVE GRADE WILL BE RIGID GALVANIZED METALIC WITH ALL STEEL FITTINGS, PAINTED TO MATCH SURFACES ON WHICH THEY ARE MOUNTED.

K. ELECTRICAL SITE PLAN IS SCHEMATIC IN NATURE; SEE CIVIL DRAWINGS FOR EXACT LOCATIONS OF UNDERGROUND CONDUITS/TRENCHES/ELECTRIC/ETC...

. AES IS RESPONSIBLE FOR ALL NEW POLE, PADMOUNT CT CABINET/METER AND PADMOUNT SWITCH. E.C. SHALL PROVIDE ALL PRIMARY WIRING AND CONDUIT AFTER THE PADMOUNT SWITCH. AES CONTACT: HELEN KNAPKE AT (937) 331-4070.

- 1. FLUSH GRADE PULLBOX ENCLOSURE WITH GREEN CONCRETE COVER WITH APPROPRIATE LOGO, PER DETAILS 2&3, ON SHEET ES002. PULLBOX SHALL HAVE APPROPRIATE VOLTAGE BARRIERS FOR WIRING WITH DIFFERENT VOLTAGES AND LABELS ON WIRING TO INDICATE BRANCH CIRCUITS.
- 2. PROVIDE (8)-4"C WITH PULLSTRINGS FROM PADMOUNT PRIMARY SWITCH TO PULLBOX, STUBBED UP IN PULLBOX FOR FUTURE CONNECTIONS. CLOSELY COORDINATE FINAL ROUTING OF THESE CONDUITS WITH CIVIL DRAWINGS AND EXISTING UNDERGROUND UTILITIES TO AVOID ANY CONFLICT WITH OTHER TRADES PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY.
- 3. APPROXIMATE LOCATION OF NEW PAD MOUNTED PRIMARY SWITCH (PROVIDED BY E.C.) AND METER/CT CABINET (PROVIDED BY POWER CO). VERIFY EXACT LOCATION WITH POWER CO AND CIVIL DRAWINGS PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY. E.C. SHALL PROVIDE ELECTRIC SERVICE FROM PRIMARY SWITCH TO NEW MEDIUM VOLTAGE TRANSFORMER; REFER TO SHEET E111F IN BUILDING PACKAGE AND SINGLE-LINE ON SHEET E005. MAINTAIN A MINIMUM OF 10' CLEAR AROUND PRIMARY SWITCH AND CT CABINET. PROVIDE CONCRETE BOLLARDS AROUND UTILITY EQUIPMENT PAD. REFER TO DETAILS 7 & 8 ON SHEET ES002.
- 4. APPROXIMATE LOCATION OF NEW MEDIUM VOLTAGE 3750KVA PAD MOUNTED TRANSFORMER. E.C SHALL PROVIDE MEDIUM VOLTAGE TRANSFORMER AND TRANSFORMER PAD PER MANUFACTURER REQUIREMENTS. VERIFY EXACT LOCATION WITH ARCHITECT AND CIVIL DRAWINGS PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY. E.C. SHALL PROVIDE ELECTRIC SERVICE FROM TRANSFORMER TO MAIN SERVICE PANELBOARD MSBH IN MAIN ELECTRIC ROOM; REFER TO SHEET E111F IN BUILDING PACKAGE AND SINGLE-LINE ON SHEET E005. MAINTAIN A MINIMUM OF 10' CLEAR AROUND TRANSFORMER. REFER TO DETAIL 1 ON SHEET ES002 FOR MORE INFORMATION.
- 5. ALL CONDUITS INSTALLED UNDER DRIVEWAYS AND PARKING AREAS WHERE AUTOMOBILE TRAFFIC PASSES THROUGH SHALL BE CONCRETE ENCASED. 6. PROVIDE 20A, 120V WP/GF RECEPTACLE, ALONG WITH 2-#6, 1-#6 GRD IN 1"C TO WATER METER PIT FROM PANEL REL1
- IN EQUIPMENT ROOM 109. COORDINATE EXACT CONNECTIONS, LOCATIONS AND ROUTING WITH P.C. AND CIVIL DRAWINGS PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY. WIRING SHALL BE PROVIDED UNDER BUILDING PACKAGE.
- 7. PROVIDE 1.5" EMPTY CONDUIT WITH PULLSTRING FROM GAS METER TO MAIN TELECOM CLOSET FOR WIRING BY OTHERS. COORDINATE EXACT LOCATION OF GAS METER AND END OF RUN WITH P.C. PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY. LABEL EACH END OF PULLSTRING AS "GAS METER". 8. PROVIDE (2)-4"C WITH PULLSTRINGS FROM UTILITY PADMOUNT PRIMARY SWITCH TO MEDIUM VOLTAGE
- TRANSFORMER AND (1)-4"C WITH PULLSTRING FROM UTILITY PADMOUNT PRIMARY SWITCH TO INDICATED PULLBOX AT MINIMUM 36" BELOW GRADE. COORDINATE EXACT ROUTE OF CONDUITS WITH CIVIL DRAWINGS PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY.
- 9. PROVIDE POST INDICATOR VALVE AND SUPERVISORY VALVE, ALONG WITH (2)-2"C WITH PULLSTRINGS TO WATER METER PIT FROM EQUIPMENT ROOM 109. COORDINATE EXACT CONNECTIONS, LOCATIONS AND ROUTING WITH P.C. AND CIVIL DRAWINGS PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY.
- 10. PROVIDE (1) 20A, 120V-1PH CIRCUIT WITH 2-#6, 1-#6 GRD IN 1"C FROM HOTBOX ENCLOSURE TO PANEL REL1 IN EQUIPMENT ROOM 109, AND (2)-2"C WITH PULLSTRINGS TO HOTBOX ENCLOSURE FROM EQUIPMENT ROOM 109. COORDINATE EXACT CONNECTIONS, LOCATIONS AND ROUTING WITH P.C. AND CIVIL DRAWINGS PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY. WIRING SHALL BE PROVIDED UNDER BUILDING PACKAGE.
- 11. PROVIDE (12)-4"C WITH PULLSTRINGS FROM MEDIUM VOLTAGE TRANSFORMER TO MAIN SWITCHBOARD (MSBH) LOCATION IN MAIN ELECTRICAL ROOM. COORDINATE EXACT CONNECTIONS, LOCATIONS AND ROUTING WITH CIVIL DRAWINGS PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY.
- 12. PROVIDE (2) 20A, 480V-3PH CIRCUITS WITH 3-#8, 1-#8 GRD IN 1"C EACH TO FEED (2) PUMPS AT SANITARY LIFT STATION FROM PANEL OFH1 AND PROVIDE (1) 20A, 120V-1PH CIRCUIT WITH 2-#10, 1-#10 GRD IN 1"C TO FEED SANITARY LIFT STATION CONTROL PANEL FROM PANEL ECL1. COORDINATE EXACT CONNECTIONS, LOCATIONS AND ROUTING WITH P.C. AND CIVIL DRAWINGS PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY. WIRING SHALL BE PROVIDED UNDER BUILDING PACKAGE.
- 13. APPROXIMATE LOCATION OF NEW 250KW NATURAL GAS, PAD MOUNTED GENERATOR. E.C SHALL PROVIDE GENERATOR AND PAD PER MANUFACTURER REQUIREMENTS. VERIFY EXACT LOCATION WITH ARCHITECT AND CIVIL DRAWINGS PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY. E.C. SHALL PROVIDE (2)-2.5"C WITH PULLSTRING AND (1)-2"C WITH PULLSTRING FROM GENERATOR TO ATS-OS IN MAIN ELECTRIC ROOM; E.C. SHALL PROVIDE (2)-2.5"C WITH PULLSTRING AND (1)-2"C WITH PULLSTRING FROM GENERATOR TO MTS-EM ON EXTERIOR OF MAIN ELECTRIC ROOM; REFER TO SHEET E111F IN BUILDING PACKAGE AND SINGLE-LINE ON SHEET E005. MAINTAIN A MINIMUM OF 10' CLEAR AROUND GENERATOR. REFER TO DETAIL 10 ON SHEET ES002 FOR MORE INFORMATION.
- 14. PROVIDE (2)-5"C (WITH (3)-1.25"C INNDERDUCTS IN EACH 5" CONDUIT) FROM THE MAIN EQUIPMENT ROOM (MER) TO THE STREET FOR INCOMING SERVICE. COORDINATE EXACT CONNECTION LOCATIONS AND ROUTING WITH TELECOM PROVIDER AND CIVIL DRAWINGS PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY. REFER TO DETAIL 9 ON SHEET ES002 FOR MORE INFORMATION.

