BID / CONSTRUCTION DOCUMENTS FEBRUARY 2025

BASEBALL DIAMOND / TENNIS COURTS PROJECT

AT

WEST CARROLLTON HIGH SCHOOL

5833 STUDENT STREET, WEST CARROLLTON, OHIO 45449

FOR



WEST CARROLLTON BOARD OF EDUCATION 433 EAST PEASE AVENUE WEST CARROLLTON, OHIO 45449





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TITLE SHEET

ARCHITECTURAL SITE PLAN

CIVIL - GENERAL NOTES & DETAILS

CIVIL - EROSION CONTROL NOTES

CIVIL - SURVEY BASE MAP

CIVIL - SUPPLEMENTAL BASE MAP

CIVIL - LOCATION PLAN

CIVIL - UTILITY PLAN

CIVIL - UTILITY PROFILES

CIVIL - GRADING PLAN

BASEBALL DIAMOND PLAN

DUGOUT PLANS

DUGOUT SECTIONS / ELEVATIONS

BACKSTOP PLANS / DETAILS

PRESS BOX - PLANS, SECTIONS, DETAILS

TENNIS COURT - PLANS, SECTIONS, DETAILS

ELECTRICAL — SCHEDULE & DETAILS

ELECTRICAL - SINGLE LINE & PANEL SCHEDULES

ELECTRICAL — LEGEND, GENERAL NOTES, & INDEX

ELECTRICAL SITE PLAN

OHIO BUILDING CODE

DUGOUTS

USE GROUP: U - UTILITY AREA: 490 SF PER DUGOUT CONSTRUCTION TYPE: 5B NON-SPRINKLERED

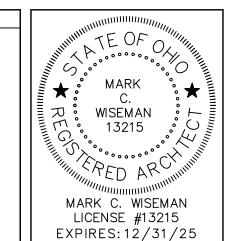
PRESS BOX BUILDING

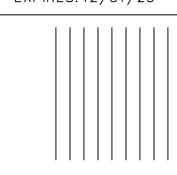
USE GROUP: U - UTILITY AREA: 225 SF — FIRST FLOOR AREA: 160 SF — SECOND FLOOR CONSTRUCTION TYPE: 5B NON-SPRINKLERED

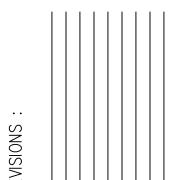
VICINITY MAP

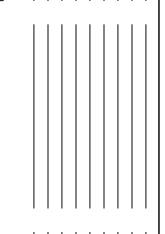
- PROJECT SITE





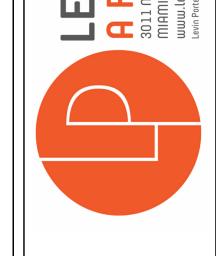






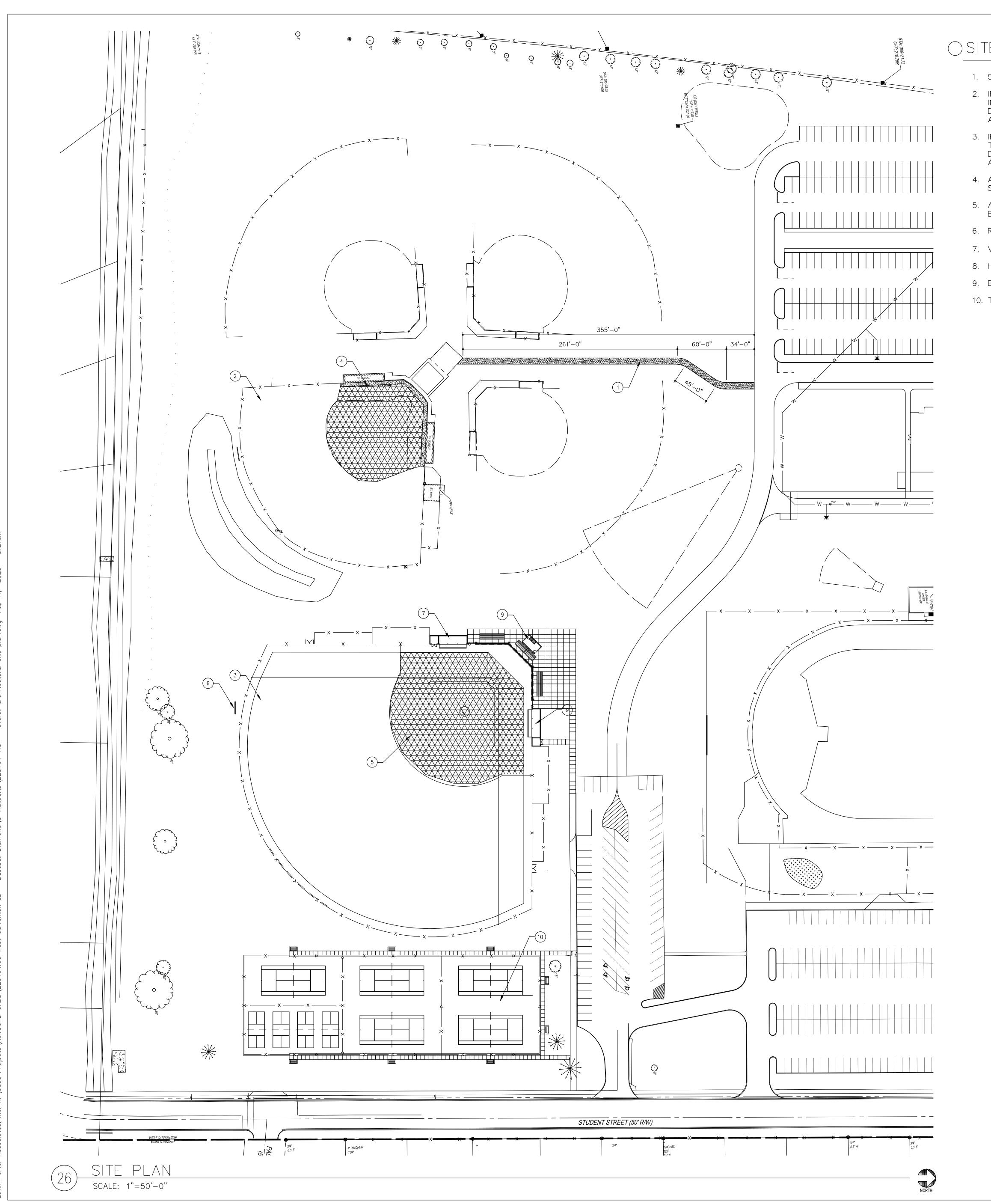






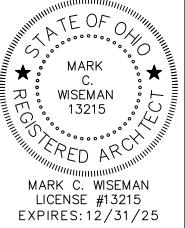
DRAWING NUMBER

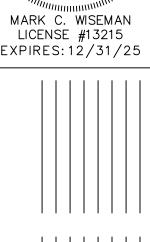
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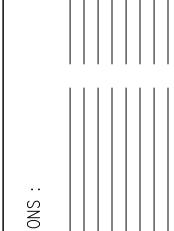


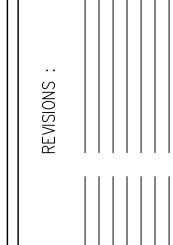
OSITE PLAN NOTES

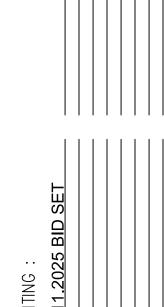
- 1. 5' WIDE ASPHALT SIDEWALK.
- 2. IRRIGATION SYSTEM FOR SOFTBALL FIELD. COVERAGE TO INCLUDE ALL AREAS WITHIN THE FENCE LINE. DELEGATED DESIGN, TO INCLUDE WELL FOR WATER ACCESS. COORDINATE LOCATION WITH BASEBALL FIELD.
- 3. IRRIGATION SYSTEM FOR BASEBALL FIELD. COVERAGE TO INCLUDE ALL AREAS WITHIN THE FENCE LINE. DELEGATED DESIGN, TO INCLUDE WELL FOR WATER ACCESS. COORDINATE LOCATION WITH SOFTBALL FIELD.
- 4. ALTERNATE NO. 2 FOR ARTIFICIAL FIELD TURF FOR SOFTBALL INFIELD.
- 5. ALTERNATE NO. 1 FOR ARTIFICIAL FIELD TURF FOR BASEBALL INFIELD.
- 6. RELOCATED BASEBALL SCOREBOARD.
- 7. VISITOR'S DUGOUT.
- 8. HOME SIDE DUGOUT.
- 9. BASEBALL PRESSBOX.
- 10. TENNIS COURTS











/EST CARROLLTON SCHOOL TENNIS COURTS 5833 STUDENT STREET







- 1. 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
- 2. 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 (8-1-1 OR 1-800-362-2764) 48 HOURS (EXCLUDING WEEKENDS AND HOLIDAYS) PRIOR TO CONSTRUCTION AND SHALL NOTIFY ALL UTILITY COMPANIES WHO ARE NON-MEMBERS OF THE OHIO UTILITIES PROTECTION SERVICE AT LEAST 48 HOURS (EXCLUDING WEEKENDS AND HOLIDAYS) PRIOR TO WORK IN THE VICINITY OF THEIR UNDERGROUND LINES.
- 3. CONTRACTOR SHALL OBTAIN A PERMIT FOR ALL CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH LOCAL, STATE, & FEDERAL REGULATIONS.
- 4. 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.
- 5. 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
- 6. 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.
- 7. THE COST OF ALL DEWATERING REQUIRED FOR THE CONSTRUCTION OF THIS PROJECT SHALL BE
- INCLUDED IN THE PRICE BID FOR THE PROJECT. 8. THE DIRECT OR INDIRECT DISCHARGE OR PUMPING OF UNFILTERED SEDIMENT-LADEN WATER INTO

THE STORM DRAINAGE SYSTEM OR WATERCOURSE IS ILLEGAL AND PROHIBITED.

- 9. 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.
- 10. 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: OHIO DEPARTMENT OF NATURAL RESOURCES, 2045 MORSE ROAD, COLUMBUS, OHIO 43229, 614-265-6576.
- 11. 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
- 13. ALL SITE SIGNAGE, STRIPING COLOR AND WIDTH SHALL BE PER THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- 14. ALL EXISTING PAVEMENTS, WALKS, CURBS, ETC. SHALL BE FULL DEPTH 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.
- 15. THE CONTRACTOR SHALL FULL DEPTH 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

GRADING NOTES

- 1. CONTRACTOR TO REMOVE TREES AND CLEAR AREAS AS NECESSARY TO PERFORM ALL SITE WORK INCLUDING GRADING AND UTILITY WORK.
- 2. 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 OI VEHICULAR TRAFFIC, OR PARKING OF VEHICLES WITHIN DRIP LINE. PROVIDE TEMPORARY GUARDS TO PROTECT TREES AND VEGETATION TO BE LEFT STANDING.
- 3. ALL ELEVATIONS SHOWN ARE FINISHED GRADE ELEVATIONS.
- 4. 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.
- 5. ALL FILL UNDER PAVEMENT SHALL BE COMPACTED TO THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
- 6. 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.
- 7. CONTRACTOR SHALL IMPLEMENT ALL SOIL AND EROSION CONTROL PRACTICES REQUIRED BY CITY OF WEST CARROLLTON AND THE OHIO EPA.
- 8. 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.
- 9. CONTRACTOR TO LAYOUT BUILDING BASED ON ARCHITECTURAL/FOUNDATION PLANS. SITE PLAN IS FOR CONCEPTUAL PURPOSES ONLY. UTILITY NOTES
- 1. 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.
- 2. 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.
- 3. 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
- 4. 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.
- 5. 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.
- 6. CONTRACTOR TO REPLACE ANY PAVEMENT OR UTILITIES DAMAGED WHICH ARE NOT SPECIFIED TO BE REMOVED ON THESE PLANS. 7. ALL CATCH BASINS PLACED WITHIN THE PAVEMENT SHALL HAVE HEAVY DUTY FRAMES AND GRATES.
- 8. ADJUST ALL EXISTING CASTINGS AND CLEANOUTS WITHIN PROJECT AREA TO GRADE AS REQUIRED. 9. ALL CATCH BASINS WITH DEPTH GREATER THAN 6' SHALL BE PROVIDED WITH STEPS. STEPS SHALL

CATCH BASINS WITHIN AN ACCESSIBLE ROUTE SHALL CONFORM TO ADA REQUIREMENTS.

- MEET THE REQUIREMENTS OF ODOT ITEM 611. 10. ALL STORM SEWER MANHOLES WITH A DEPTH GREATER THAN 6' SHALL BE PROVIDED WITH STEPS.
- STEPS SHALL MEET THE REQUIREMENTS OF ODOT ITEM 611. 11. DISTANCES SHOWN FOR BOTH STORM SEWER PIPES ARE MEASURED FROM CENTER OF STRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR ACTUAL FIELD CUT LENGTH. COORDINATES FOR STORM STRUCTURES ARE SHOWN TO THE CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.
- 12. 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

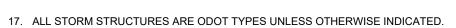
13. ALL PROPOSED STORM SEWERS, SURFACE OR OTHER DRAINAGE FACILITIES ARE TO BE PRIVATE AND

MAINTAINED BY THE OWNER. EROSION CONTROL MEASURES MUST PROVIDE PROTECTION UNTIL

- COMPLETION OF THE PROJECT AND VEGETATIVE STABILIZATION. 14. 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
- 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



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.



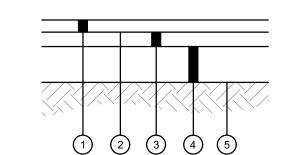
- 18. STORM SEWER PIPE LABELED "STM" SHALL BE ONE OF THE FOLLOWING: PVC SDR-35 PER ODOT ITEM 707.45, PVC PROFILE PIPE PER ODOT ITEM 707.43, HIGH DENSITY POLYETHYLENE PER ODOT ITEM 707.33, ALUMINIZED CORRUGATED METAL, ODOT ITEM 707.01, 707.02, OR REINFORCED CONCRETE PIPE ODOT ITEM 706.02 CLASS IV. STORM 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. 19. ALL CATCH BASINS IN THE PAVEMENT ARE TO HAVE 4, 4" PERFORATED UNDERDRAINS EXTENDING 10 LF FROM THE CATCH BASIN IN THE UPHILL DIRECTION AND CAPPED. ALL CATCH BASINS IN THE CURB ARE TO HAVE 2, 4" PERFORATED UNDERDRAINS EXTENDING 10 LF FROM THE CATCH BASIN IN THE UPHILL DIRECTION AND CAPPED.
- 20. FOR EXACT LOCATION OF DOWN SPOUTS & ROOF DRAINS, COORDINATE WITH CONSTRUCTION MANAGER. ALL ROOF DRAINS ARE TO BE 8" UNLESS OTHERWISE NOTED.
- 21. ALL YARD DRAINS SHALL BE ONE OF THE FOLLOWING: NYLOPLAST-ADS DRAIN BASIN, NDS DURACAST FABRICATED PVC CATCH BASIN, AGRI-DRAIN CATCH BASIN, OR APPROVED EQUAL.

AND DRAINS ARE DISTURBED OR DESTROYED DURING THE PROSECUTION OF THE WORK, THEY SHALL

BE RESTORED BY THE CONTRACTOR AT HIS OWN EXPENSE TO A CONDITION SATISFACTORY TO THE

- 22. ALL EXISTING INVERTS ALONG PROPOSED PIPE ALIGNMENTS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION OF THE SEWER.
- STORM DRAINAGE SYSTEM. 24. THE FLOW IN ALL SEWERS, DRAINS, FIELD TILES AND WATERCOURSES ENCOUNTERED SHALL BE MAINTAINED BY THE CONTRACTOR AT HIS OWN EXPENSE, AND WHENEVER SUCH WATERCOURSES

23. ANY FIELD TILE CUT IN EXCAVATION WHICH DRAINS IN AN OFFSITE AREA MUST BE TIED INTO THE

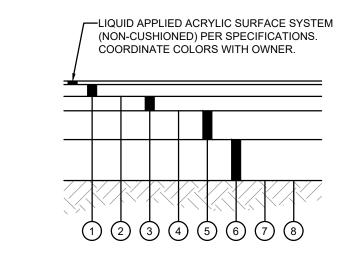


- 1 1/2" ODOT ITEM 441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22
- ODOT ITEM 407 TACK COAT, APPLY IF TIME BETWEEN ASPHALT LIFTS EXCEEDS 30 DAYS
- 2" ODOT ITEM 441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22
- 4" ODOT ITEM 304 AGGREGATE BASE SUBGRADE COMPACTION, REFERENCE ODOT ITEM

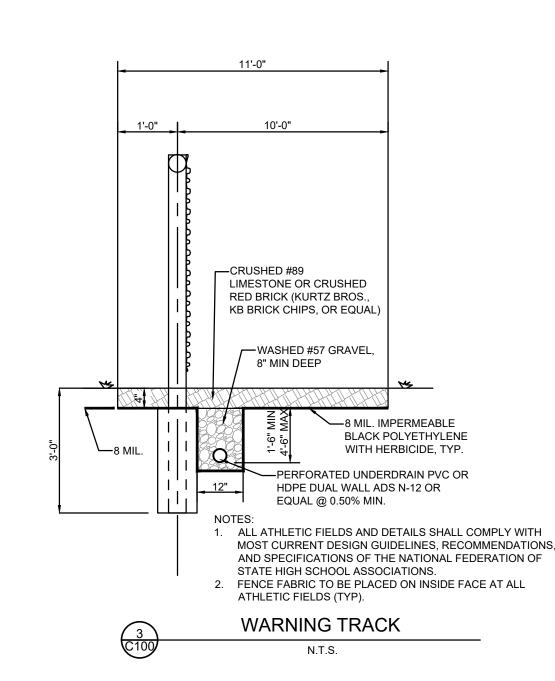
204, EARTHWORK SPECIFICATION 312000 AND

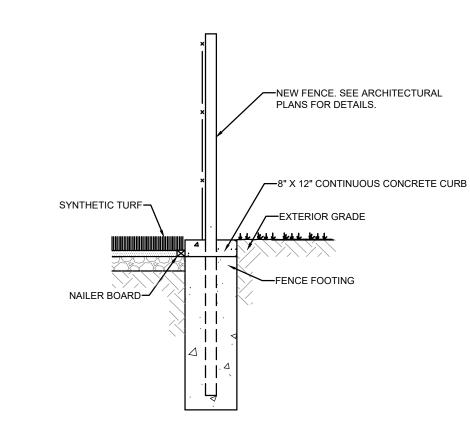
ASPHALT PAVEMENT DETAIL

SOILS REPORT

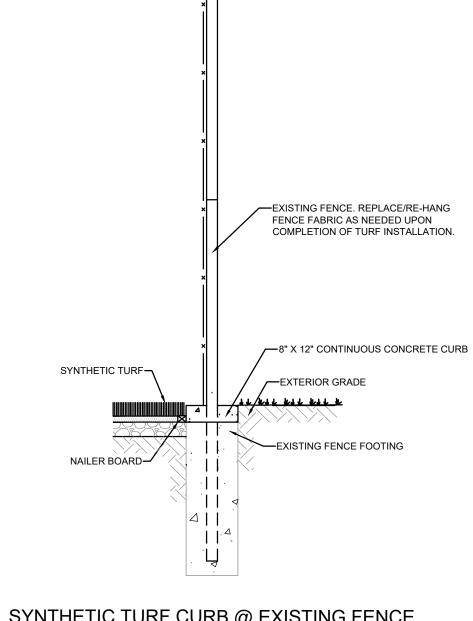


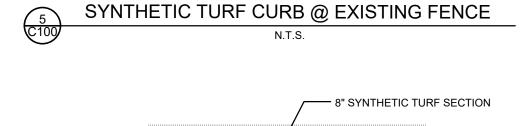
- 1 1/2" ODOT ITEM 441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22. NO SLAG OR
- PYRITE IN MIXTURE ODOT ITEM 407 TACK COAT.
- 2" ODOT ITEM 441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22. NO SLAG
- OR PYRITE IN MIXTURE. ODOT ITEM 408 PRIME COAT, APPLIED AT 0.10
- (5) 4" ODOT ITEM 304 AGGREGATE BASE
- (6) 6" CLEAN WASHED ANGULAR 57s
- NON-WOVEN GEOTEXTILE FABRIC, ODOT ITEM 712.09 TYPE D
- SUBGRADE COMPACTION, REFERENCE ODOT ITEM 204, EARTHWORK SPECIFICATION 312000 AND
- SOILS REPORT TENNIS COURT PAVEMENT SECTION

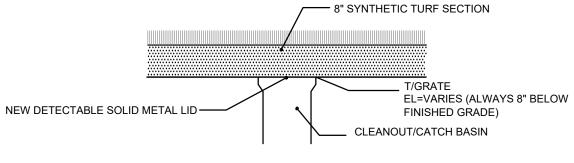




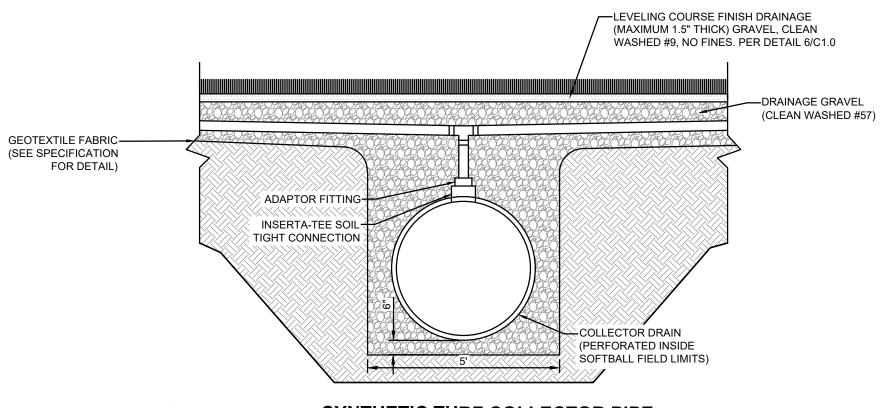




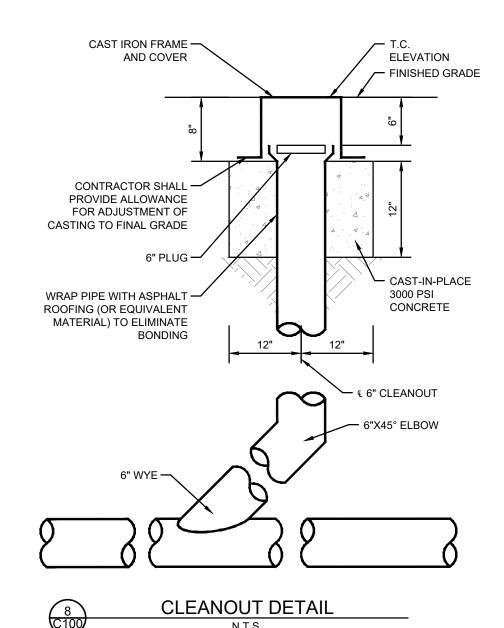


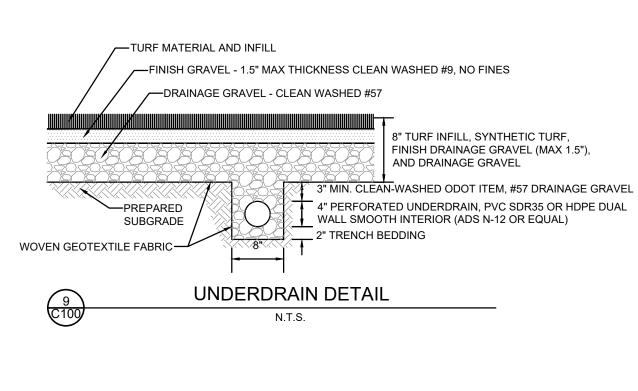


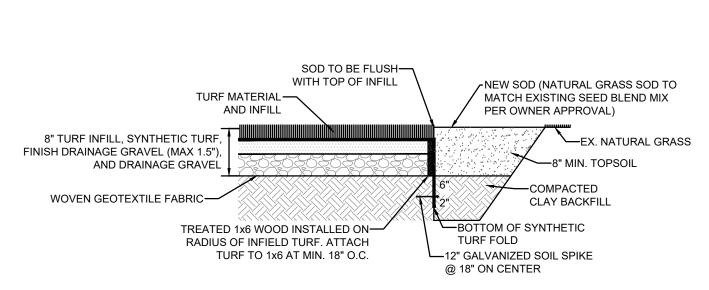
STRUCTURE SETTING WITHIN FIELD LIMITS

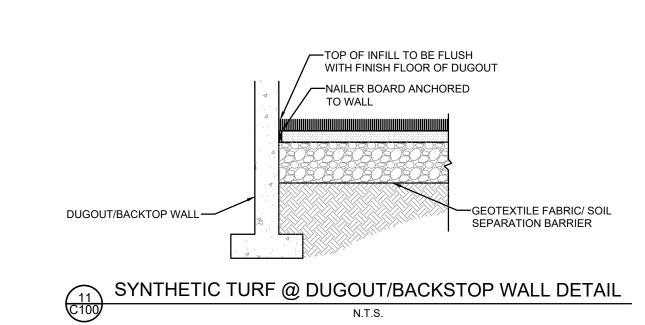


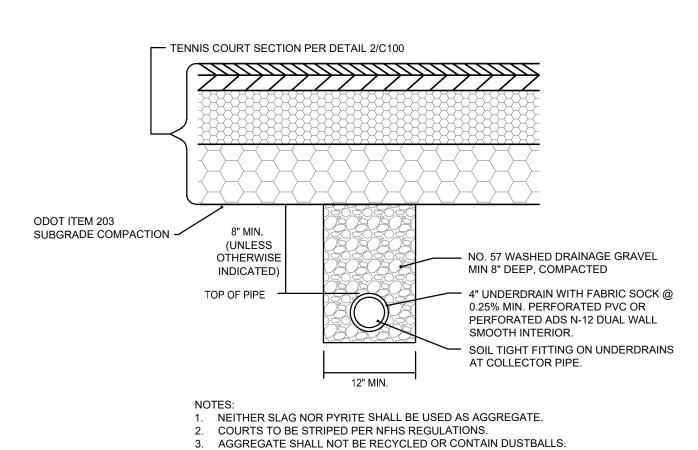
SYNTHETIC TURF COLLECTOR PIPE



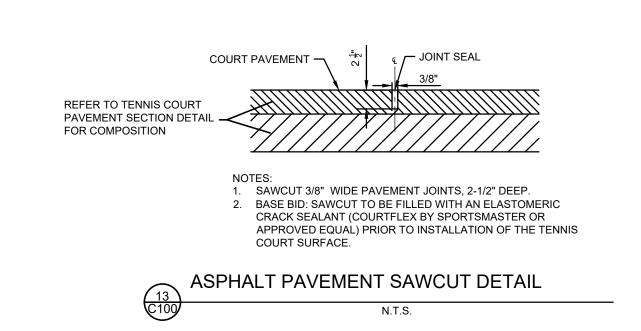


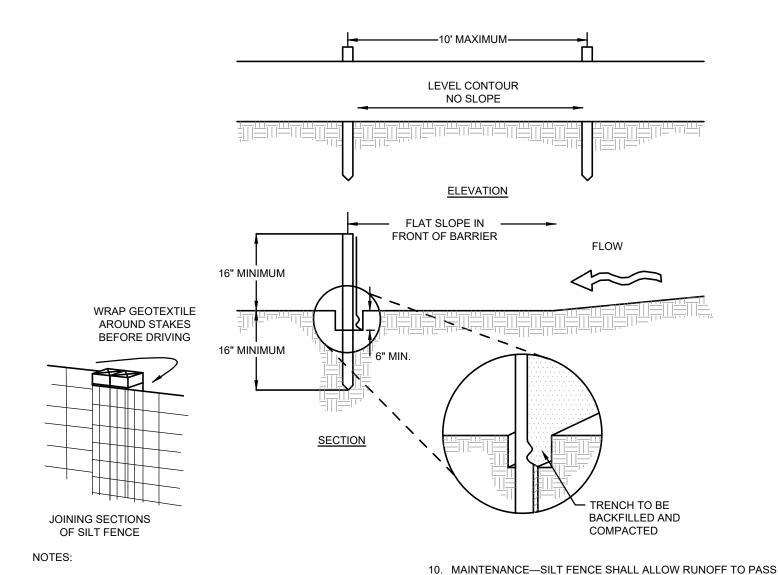






TENNIS COURT PAVEMENT SECTION WITH UNDERDRAIN CAPILLARY BREAK N.T.S.





1. SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS. 2. ALL SILT FENCE SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE SO THAT WATER WILL NOT CONCENTRATE AT LOW POINTS IN THE FENCE AND SO THAT SMALL SWALES OR DEPRESSIONS THAT MAY CARRY SMALL CONCENTRATED FLOWS TO THE SILT FENCE ARE DISSIPATED ALONG ITS LENGTH.

- 3. ENDS OF THE SILT FENCES SHALL BE BROUGHT UPSLOPE SLIGHTLY SO THAT WATER PONDED BY THE SILT FENCE WILL BE PREVENTED FROM FLOWING AROUND THE ENDS.
- 4. SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE. WHERE POSSIBLE, VEGETATION SHALL BE PRESERVED FOR 5 FEET (OR AS MUCH AS POSSIBLE) UPSLOPE FROM THE SILT

FENCE IF VEGETATION IS REMOVED IT SHALL BE

6. THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 16 INCHES ABOVE THE ORIGINAL GROUND SURFACE. THE SILT FENCE SHALL BE PLACED IN AN EXCAVATED OR SLICED TRENCH CUT A MINIMUM OF 6 INCHES DEEP. THE TRENCH SHALL

BE MADE WITH A TRENCHER, CABLE LAYING MACHINE, SLICING MACHINE, OR OTHER SUITABLE DEVICE THAT WILL ENSURE AN

- ADEQUATELY UNIFORM TRENCH DEPTH. 8. THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSLOPE SIDE OF THE GEOTEXTILE. A MINIMUM OF 8 INCHES OF GEOTEXTILE MUST BE BELOW THE GROUND SURFACE. EXCESS MATERIAL SHALL LAY ON THE BOTTOM OF THE 6-INCH DEEP TRENCH. THE TRENCH SHALL BE BACKFILLED AND
- 9. SEAMS BETWEEN SECTIONS OF SILT FENCE SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST WITH A MINIMUM 6-IN. OVERLAP PRIOR TO DRIVING INTO THE GROUND.

COMPACTED ON BOTH SIDES OF THE FABRIC.

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

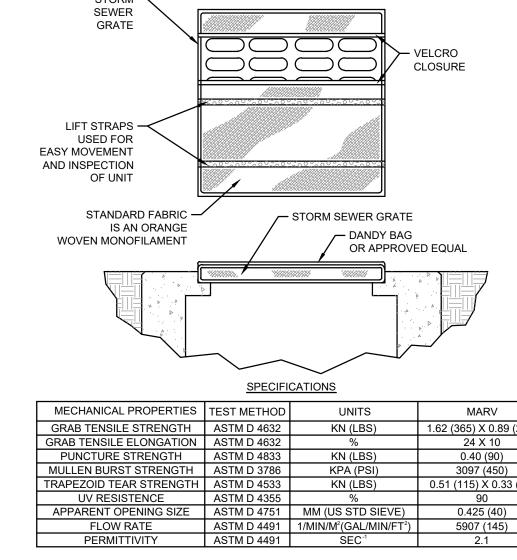
DEPOSIT REACHES APPROXIMATELY ONE-HALF OF THE HEIGHT SILT FENCES SHALL BE INSPECTED AFTER EACH RAINFALL AND AT LEAST DAILY DURING A PROLONGED RAINFALL. THE LOCATION OF EXISTING SILT FENCE SHALL BE REVIEWED DAILY TO ENSURE ITS PROPER LOCATION AND EFFECTIVENESS. IF DAMAGED, THE

SILT FENCE SHALL BE REPAIRED IMMEDIATELY.

REESTABLISHED WITHIN 7 DAYS FROM THE INSTALLATION OF THE CRITERIA FOR SILT FENCE MATERIALS 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 GROUND WHERE POSSIBLE IF NOT POSSIBLE THE POSTS SHALL BE ADEQUATELY SECURED TO PREVENT OVERTURNING OF THE

SILT FENCE FABRIC – SEE CHART BELOW.





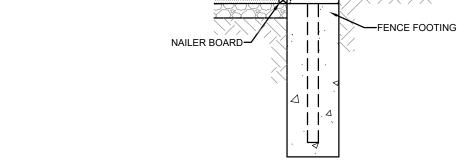
INSTALLATION: THE EMPTY DANDY BAG SHOULD BE PLACED OVER THE GRATE AS THE GRATE STANDS ON END. IF USING OPTIONAL OIL ABSORBENTS: PLACE ABSORBENT PILLOW IN POUCH, ON THE BOTTOM (BELOW-GRADE SIDE) OF THE UNIT. ATTACH ABSORBENT PILLOW TO TETHER LOOP, TUCK THE ENCLOSURE FLAP INSIDE TO COMPLETELY ENCLOSE THE GRATE. HOLDING THE LIFTING DEVICES (DO NOT RELY ON LIFTING DEVICES TO SUPPORT THE ENTIRE WEIGHT OF THE GRATE), PLACE THE GRATE INTO ITS FRAME. MAINTENANCE: REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM SURFACE AND VICINITY OF UNIT AFTER EACH STORM EVENT. REMOVE SEDIMENT THAT HAS ACCUMULATED WITHIN THE CONTAINMENT AREA OF THE DANDY BAG AS NEEDED. IF USING OPTIONAL OIL ABSORBENTS; REMOVE AND REPLACE ABSORBENT PILLOW WHEN NEAR SATURATION.

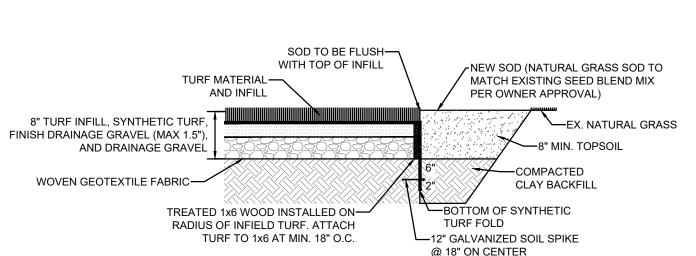
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GENERAL NOTES & DETAILS







PROJECT DESCRIPTION INSTALLATION OF ATHLETIC FIELDS ON OLD ELEMENTARY SITE.

LATITUDE: N 39°40'04.04" LONGITUDE: W 84°13'49.91"

ESTIMATED CONSTRUCTION DATES: SUMMER 2025 - FALL 2025 TOTAL SITE AREA: 66.89 ACRES TOTAL DISTURBED AREA: 8.00 ACRES **EXISTING IMPERVIOUS AREA:** 2.95 ACRES

PROPOSED IMPERVIOUS AREA: 1.91 ACRES TOTAL IMPERVIOUS AREA AFTER CONSTRUCTION: 1.91 ACRES INCREASE IN IMPERVIOUS AREA: PRE-CONSTRUCTION RUNOFF COEFFICIENT: POST-CONSTRUCTION RUNOFF COEFFICIENT:

IMMEDIATE RECEIVING WATER/MS4: **ULTIMATE RECEIVING STREAM:** GREAT MIAMI RIVER

EXISTING LAND USE: SCHOOL

SOILS: FIA - FOX LOAM, 0 TO 2 PERCENT SLOPES

Rs - ROSS SILT LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED WeA - WEA SILT LOAM, 0 TO 2 PERCENT SLOPES

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.
- C) INSTALL TEMPORARY DITCH CHECKS IN DOWNSTREAM END OF EXISTING DITCH WITHIN 24 HOURS FOLLOWING THE 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.
- 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
- REGULATIONS INCLUDING: SEEDING
- DITCH MATTING INLET PROTECTION
- 4. MULCHING 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.

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.

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

IF THE SPILL EXCEEDS 25 GALLONS, THE FOLLOWING ORGANIZATIONS SHALL BE CONTACTED WITHIN 30 MINUTES OF THE INCIDENT. **EMERGENCY CONTACTS:**

OHIO EPA EMERGENCY RESPONSE CENTER 800-282-9378 (24-HOUR PHONE NO.)

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 REVISIONS IN APRIL 2018 AND IN APRIL 2023. 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

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 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.

THE CONTRACTOR WILL BE REQUIRED TO BUILD SEDIMENT BASINS OR SEDIMENT TRAPS OR USE EQUAL METHODS TO DETAIN AND

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

CLEAN WATER TO ACCEPTABLE EPA STANDARDS BEFORE RELEASING THE WATER BACK INTO THE STREAM.

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

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.

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

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

HEALTH REGULATIONS.

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

EROSION CONTROL INSTALLATIONS.

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.: OHC000006. (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.: OHC000006. (SEE TABLE 2)

TABLE 2: TEMPORA	ARY STABILIZATION
AREA REQUIRING TEMPORARY STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY DISTURBED AREAS WITH 50 FEET OF A SURFACE WATER OF THE STATE AND NOT AT FINAL GRADE	WITHIN TWO DAYS OF THE MOST RECENT DISTURBANCE IF THE AREA WILL REMAIN IDLE FOR 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 MOST RECENT DISTURBANCE WITHIN THE AREA FOR RESIDENTIAL SUBDIVISIONS, DISTURBED AREAS MUST BE STABILIZED AT LEAST SEVEN DAYS PRIOR TO TRANSFER OF PERMIT COVERAGE FOR THE INDIVIDUAL LOT(S).
DISTURBED AREAS THAT WILL BE IDLE OVER WINTER	PRIOR TO THE ONSET OF WINTER WEATHER

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

- 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
- 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
- 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 CONTRO									
SEED TYPE	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	Α	М	J	J	Α	S	0	N	D	
PERMANENT SEEDING			•	•	•	*	*	*	•	•			* IRRIGATION NEEDED
DORMANT SEEDING	•	•	•							•	•	•	** IRRIGATION NEEDED FOR 2-3 WEEKS AFTER SOD IS
TEMPORARY SEEDING			•	•	•	*	*	*	•	•			APPLIED
SODDING			**	**	**	**	**	**	**				
MULCHING	•	•	•	•	•	•	•	•	•	•	•	•	

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

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

- 2. NAMES, TITLES, AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION;
- 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;
- 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
- 9. CORRECTIVE ACTION REQUIRED INCLUDING ANY CHANGES TO THE SWP3 NECESSARY AND IMPLEMENTATION DATES.

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:

- <u>VEGETATIVE COVER AND/MULCH</u> 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. <u>SPRAY-ON ADHESIVES</u> - APPLY ADHESIVE ACCORDING TO THE FOLLOWING TABLE OR MANUFACTURERS' INSTRUCTIONS. 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:

- 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.
- 4. SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER. WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
- 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.

- 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.
- 2. 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.
- 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

3. THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO

- (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.

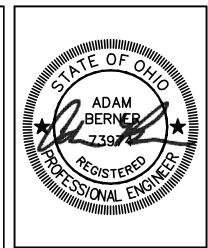
CONCRETE WASH WATER/WASH OUTS

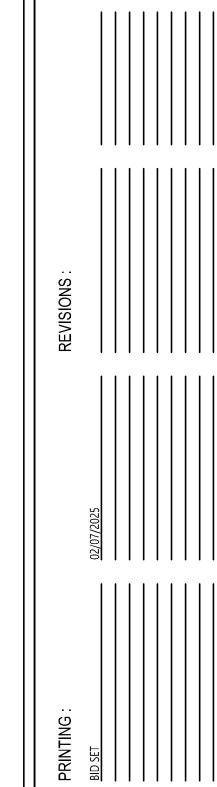
CONCRETE WASH WATER SHALL NOT BE ALLOWED TO FLOW TO STREAMS, DITCHES, STORM DRAINS, OR ANY OTHER WATER CONVEYANCE. A SUMP OR PIT WITH NO POTENTIAL FOR DISCHARGE SHALL BE CONSTRUCTED IF NEEDED TO CONTAIN CONCRETE WASH WATER. FIELD TILE OR OTHER SUBSURFACE DRAINAGE STRUCTURES WITHIN 10 FT. OF THE SUMP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

<u>ADHESIVE</u>	WATER DILUTION (ADHESIVE: WATER)	NOZZLE TYPE	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

	GENERAL PERMIT: _	OHC000006
PERMITTEE NAME	NPDES PERMIT:	XXXXXXX
ADDRESS1 ADDRESS2	IVI DEGI EKWITI	
PHONE:	DATE OF ISSUE: _	XX/XX/XXXX







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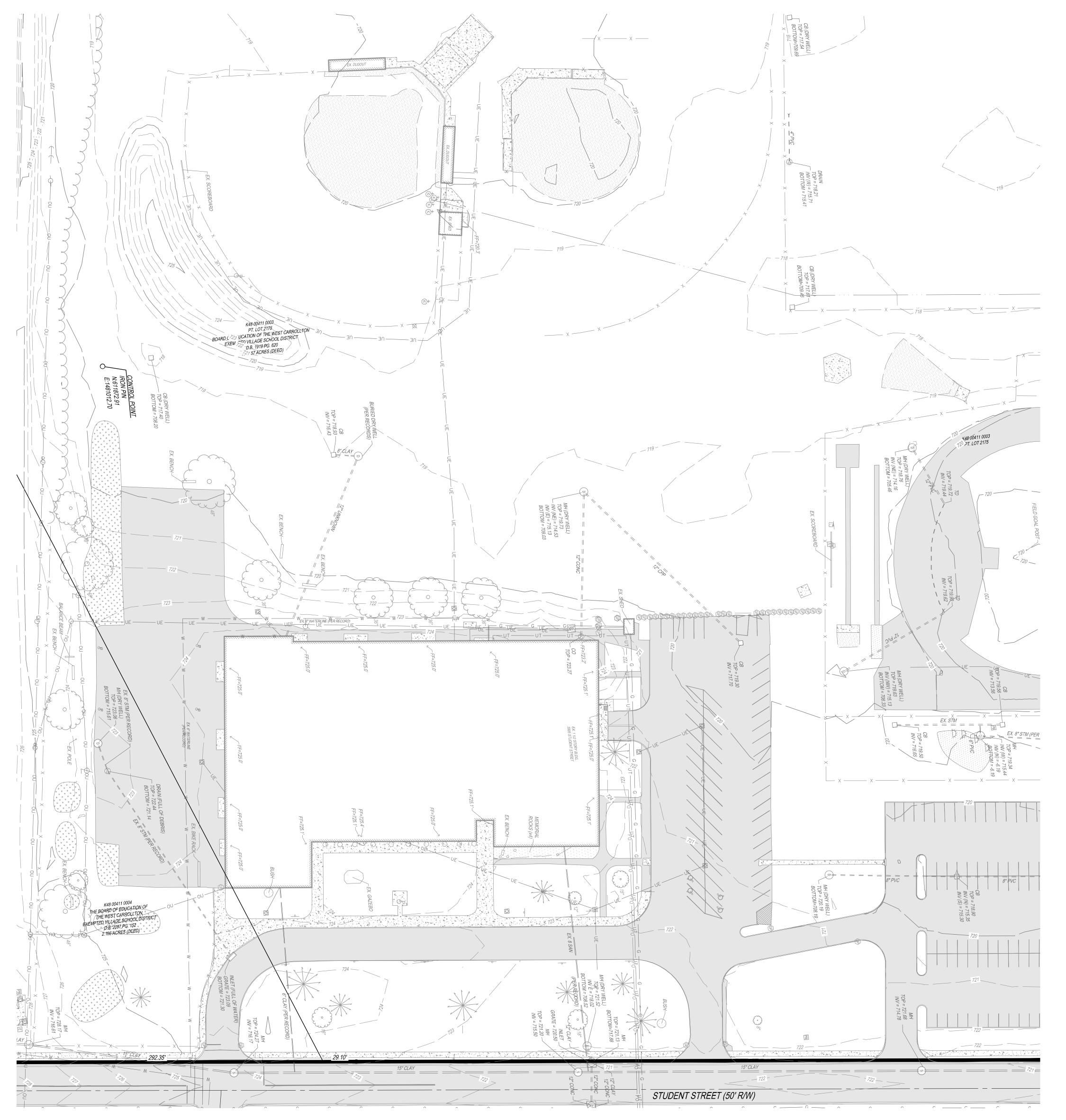
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EROSION CONTROL NOTES

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.

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



NOTE: THIS BASEMAP REFLECTS EXISTING CONDITIONS AT THE TIME OF THE FEBRUARY 2023 FIELD SURVEY



<u>LEGEND</u>

O IRON PIN FOUND (SIZE AS NOTED) PIPE FOUND (SIZE AS NOTED)

SANITARY MANHOLE

UNKNOWN MANHOLE

 YARD DRAIN STORM MANHOLE

☐ CATCH BASIN ____ INLET

© ELECTRIC METER **TRANSFORMER**

₱
■ PULL BOX

ELECTRIC MANHOLE -O- UTILITY POLE

SINGLE SIGN POST GUARD POST

GAS METER

₲ GAS VALVE TELEPHONE MANHOLE

♂ FIRE HYDRANT

> WATER MANHOLE WATER VALVE

IRRIGATION CONTROL VALVE

GAS LINE (PER RECORD)

WATERLINE (PER RECORD) UNDERGROUND ELECTRIC (PER RECORD)

CONIFEROUS TREE

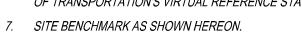
SANITARY SEWER

DECIDUOUS TREE

CONCRETE

NOTES:

- 1. SOURCE DOCUMENTS AS NOTED.
- 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
- 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).







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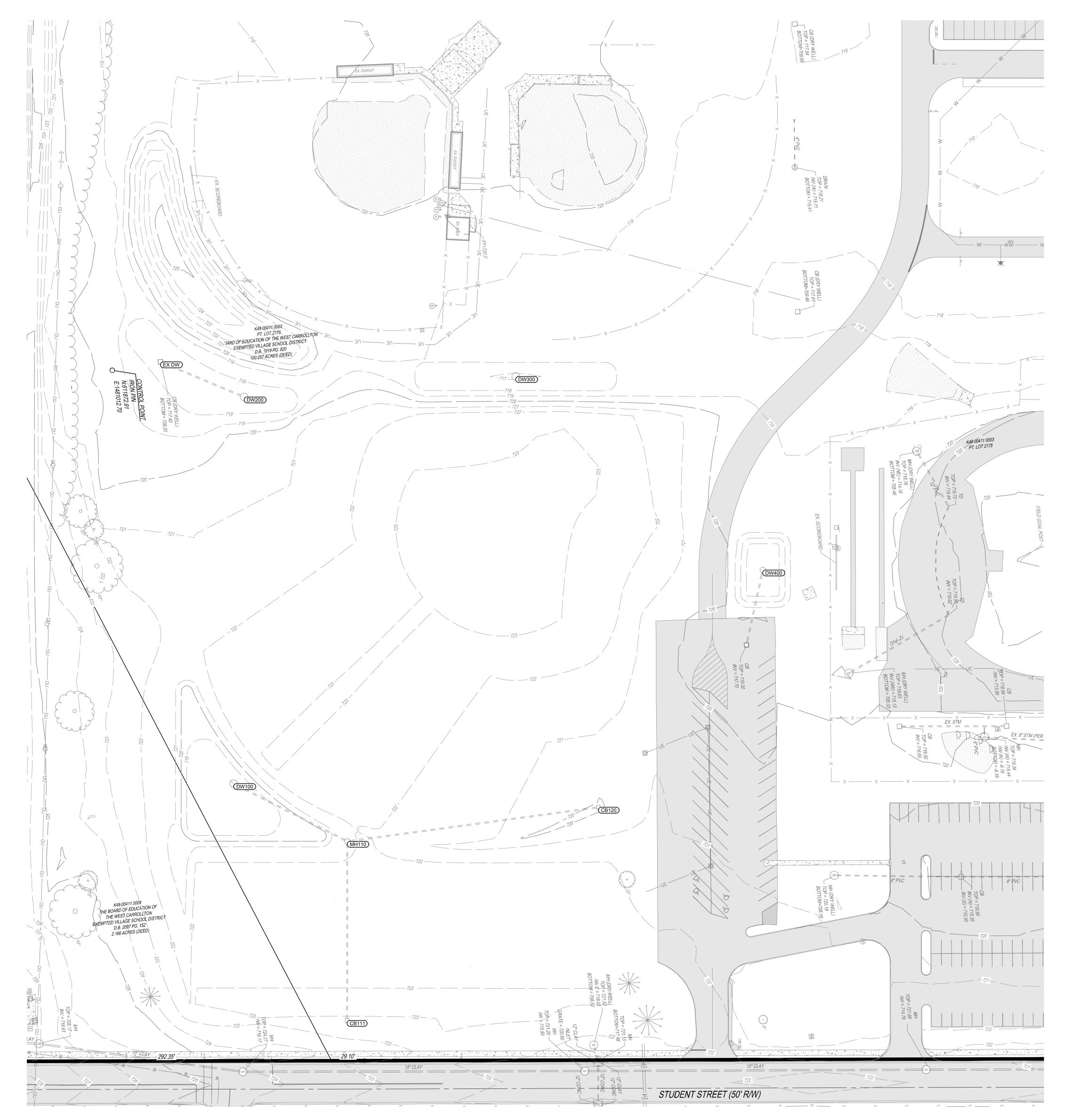
SURVEY BASEMAP







PERIOD OF EXCAVATION OR CONSTRUCTION ACTIVITY.



NOTE: THIS BASEMAP REFLECTS ANTICIPATED EXISTING CONDITIONS AFTER THE HAROLD SCHNELL ELEMENTARY SCHOOL DEMOLITION IS COMPLETE



- IRON PIN FOUND (SIZE AS NOTED)
- IRON PIN FOUND (SIZE AS
- PIPE FOUND (SIZE AS NOTED)
- S SANITARY MANHOLE
- © CLEAN OUT

 UNKNOWN MANHOLE

 YARD DRAIN
- STORM MANHOLE
- ☐ CATCH BASIN ☐ INLET
- © ELECTRIC METER
- TRANSFORMER
- PB PULL BOX
- E ELECTRIC MANHOLE

 ---- UTILITY POLE
- ← GUY WIRE

- SINGLE SIGN POS

 GUARD POST
- GAS METER
 GAS VALVE
- TELEPHONE MANHOLE
- TELEPHONE BOX
 FIRE HYDRANT
 W WATER MANHOLE
- WATER VALVE
- © IRRIGATION CONTROL VALVE
- ♂ FLAG POLE

 BASKETBALL GOAL
- MAILBOX

 FENCE POST
- TREE LINE
- GAS LINE (PER RECORD)
- WATERLINE (PER RECORD)

 UNDERGROUND ELECTRIC (PER RECORD)
- —— ○∪ OVERHEAD UTILITY

 == == STORM SEWER

 === SANITARY SEWER
- CONIFEROUS TREE

 DECIDUOUS TREE
- ASPI
- CONCR
 - LANDSCA

WEST CARROLLTON SC BASEBALL DIAMOND / TENN 5833 STUDENT STRE





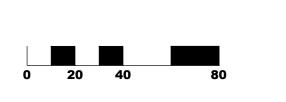






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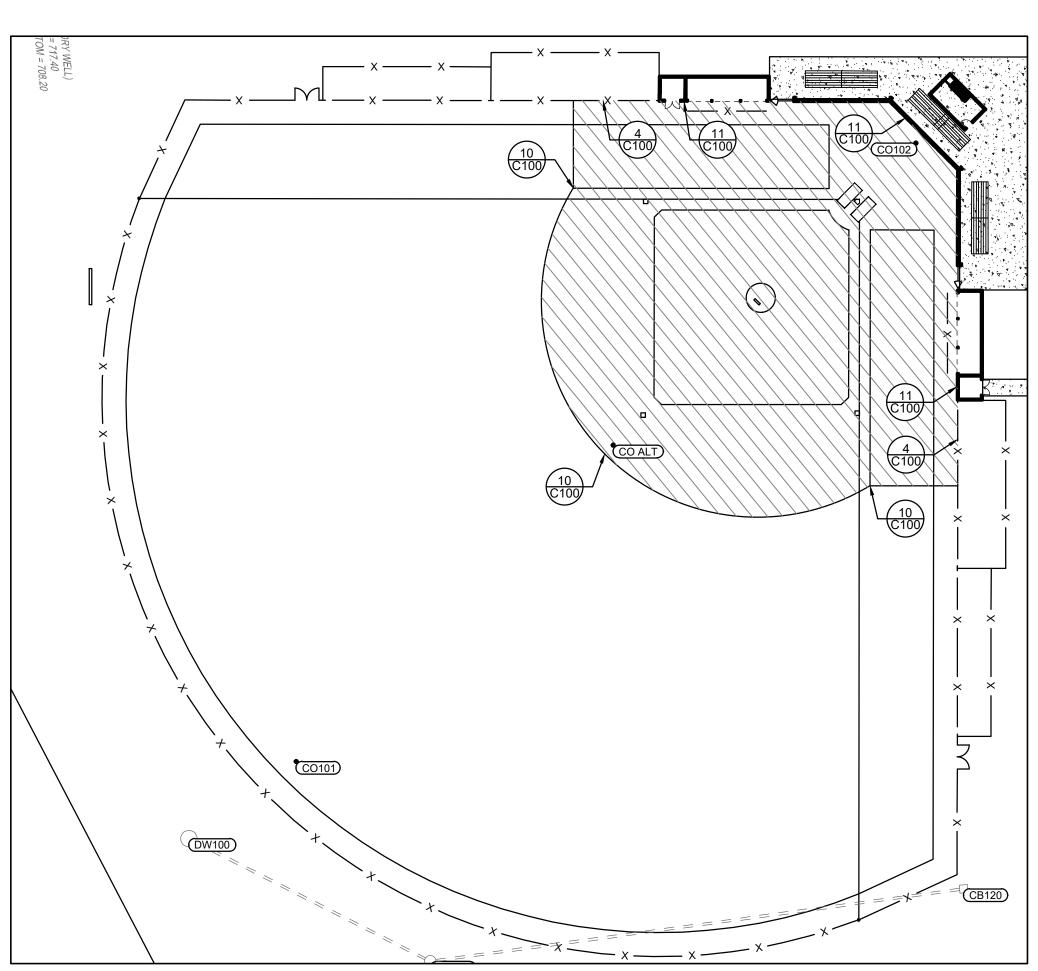




PROPOSED LEGEND

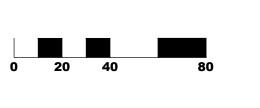
LIGHT DUTY ASPHALT PAVEMENT PER DETAIL CONCRETE WALK PER ARCHITECTS SPECIFICATIONS TENNIS COURT PAVING PER DETAIL 2/C100 WARNING TRACK PER DETAIL 3/C100 ALTERNATE: SYNTHETIC TURF. NO PROPOSED WORK FOR SOFTBALL IN BASE BID BASE BID: INFIELD DIRT

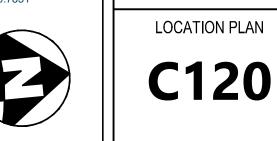
- 3 BLEACHERS. SEE ARCHITECTURAL PLANS FOR DETAILS
- 4 PRESS BOX. SEE ARCHITECTURAL PLANS FOR DETAILS
- 6 ALL TENNIS COURT FENCING, NETS, POSTS, AND GATES PER ARCHITECT'S SPECIFICATIONS
- 7 ALL BASEBALL FENCING AND GATES PER ARCHITECT'S SPECIFICATIONS
- 8 FOUL POLE. SEE ARCHITECTURAL PLANS FOR DETAILS.



BASEBALL ALTERNATE: TURF INFIELD

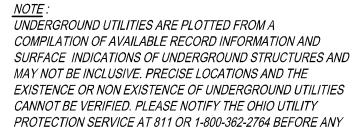






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PERIOD OF EXCAVATION OR CONSTRUCTION ACTIVITY.



°CO STORM CLEANOUT

BASE BID: SOD

SAWCUT PER DETAIL 13/C100

LOCATION PLAN KEY NOTES

- 1) IRRIGATION WELL, DELEGATED DESIGN
- 2 DUGOUT. SEE ARCHITECTURAL PLANS FOR DETAILS

- BACKSTOP WALL. SEE ARCHITECTURAL PLANS FOR DETAILS.

STUDENT STREET (50' R/W)



STM STORM SEWER PIPE

_____ STURIVI SEWE

o^{CO} STORM CLEANOUT

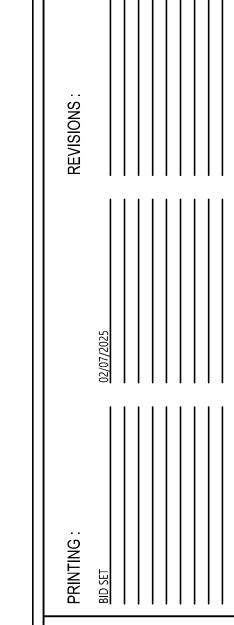
- __ _ _ 4" TENNIS COURT UNDERDRAIN PER DETAIL
- ——►— 4" FIELD UNDERDRAIN PER DETAIL 9/C100

UTILITY PLAN KEY NOTES

- CONNECT PROPOSED STORM PIPE TO EXISTING STORM STRUCTURE
- 2 IRRIGATION WELL. DELEGATED DESIGN.
- CLEANOUT INCLUDED IN ALTERNATE ONLY. SET STRUCTURE PER DETAIL 6/C100
- SET STRUCTURE PER DETAIL 6/C100 UNDER ALTERNATE CONDITIONS
- BLIND CONNECTION TO BE MADE WITH SOIL TIGHT FITTING.
 INSERTA TEE OR APPROVED EQUAL. CONNECTION MUST
 NOT PROTRUDE INTO RECIEVING PIPE.
- 6 BURY CLEANOUT BELOW GRADE

UTILITY PLAN GENERAL NOTES

A. ALL CLEANOUTS TO BE PER DETAIL 8/C100



WEST CARROLLTON SCHOOLS
EBALL DIAMOND / TENNIS COI
5833 STUDENT STREET

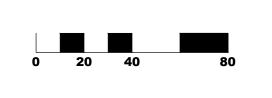
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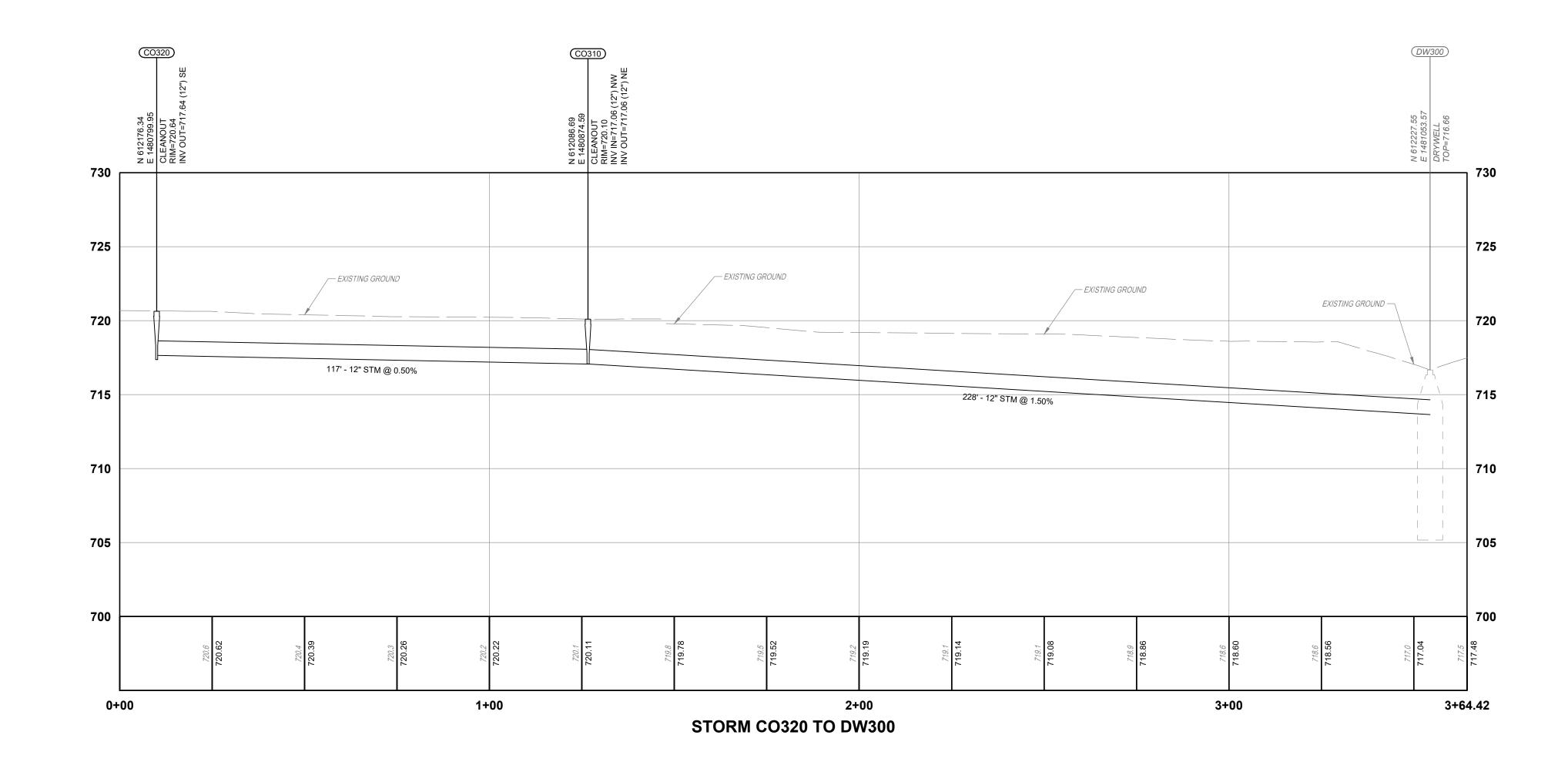


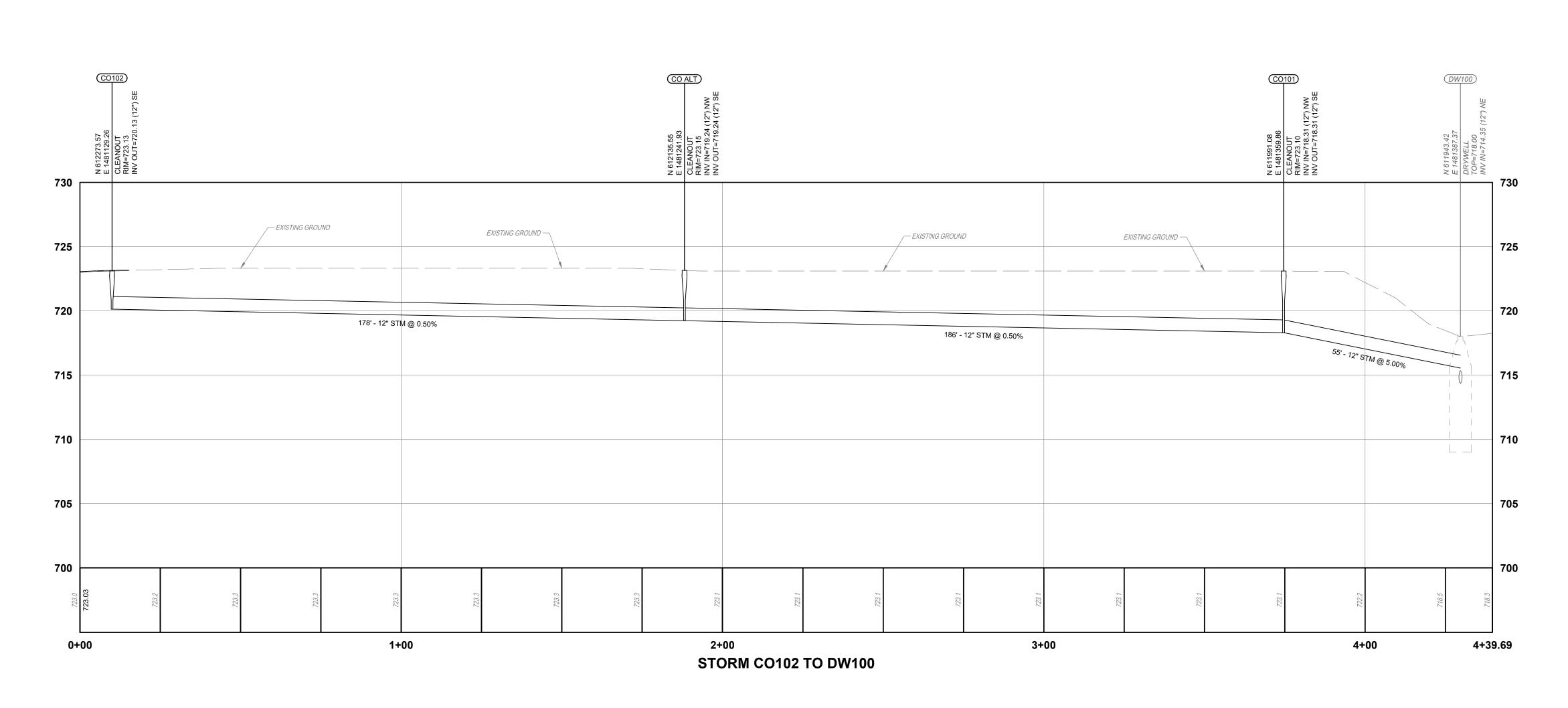




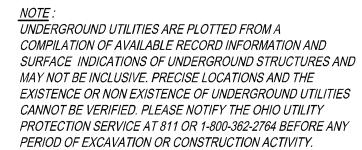
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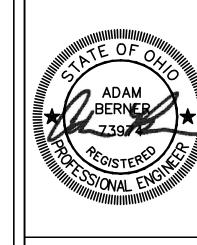


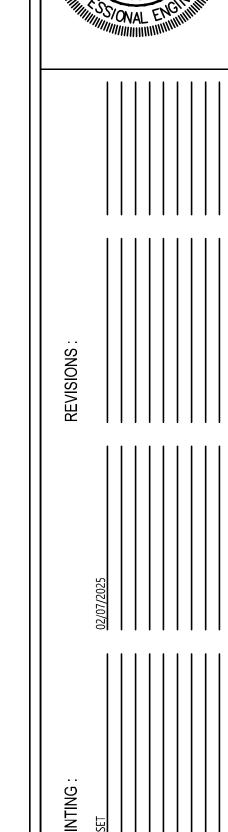












WEST CARROLLTON SCHOOLS
ASEBALL DIAMOND / TENNIS COURT
5833 STUDENT STREET
WEST CARROLLTON, OHIO 4549

223464.00 CHECKED BY: ACB DRAWN BY: KEE DATE: 02-07-25



UTILITY PROFILES

STUDENT STREET (50' R/W)



-----1215 ----- EXISTING MAJOR CONTOUR

— – 1216 – — EXISTING MINOR CONTOUR

——1215——PROPOSED MAJOR CONTOUR

——1216—— PROPOSED MINOR CONTOUR

× 1215.00 PROPOSED SPOT ELEVATION

PROPOSED SWALE

SPOT ELEVATION LEGEND

× 1215.00 FINISHED GRADE ELEVATION

× 1215.00 BC BACK OF CURB ELEVATION

× 1215.00 EP EDGE OF PAVEMENT ELEVATION

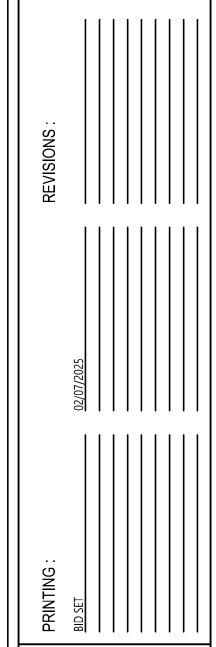
imes $^{1215.00\,RIM}$ MANHOLE / CLEANOUT RIM ELEVATION

× GRATE CATCH BASIN GRATE ELEVATION

PROPOSED EROSION CONTROL LEGEND

INLET PROTECTION PER DETAIL 15/C100

-----LIMITS OF DISTURBANCE



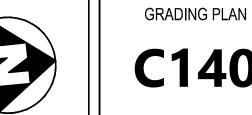
L DIAMOND / TENNIS COUR
833 STUDENT STREET

XED BY:
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: 02-07-25



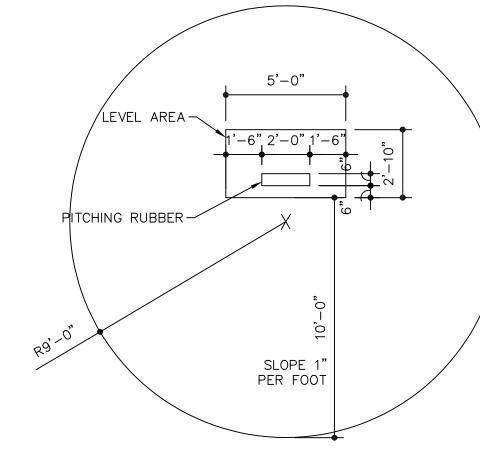








PERIOD OF EXCAVATION OR CONSTRUCTION ACTIVITY.



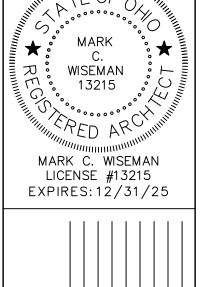
5 PITCHER'S MOUND DETAIL

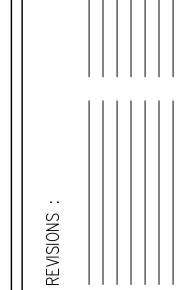
SCALE: 1/4" = 1'-0"

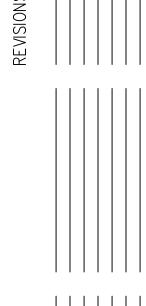
OBASEBALL DIAMOND PLAN NOTES

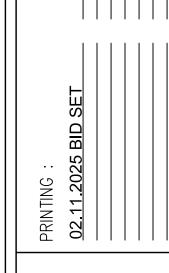
- 1. PITCHERS MOUND. SEE DETAIL 5.
- 2. GRASS SPORTS MIX.
- 3. INFIELD MIX.
- 4. 6'-0" HIGH BLACK VINYL COATED CHAIN LINK FENCE.
- 5. 6'-0" HIGH BLACK VINYL COATED CHAIN LINK FENCE WITH YELLOW PROTECTIVE PVC SLEEVE (EQUAL TO BEACON ATHLETICS POLYCAP) FROM FOUL POLE TO FOUL POLE.
- 6. STANDARD FOUL POLE 15'-0" HIGH.
- 7. COACH'S BOX STRIPING
- 8. ON DECK CIRCLE 5'-0" DIA. EQUAL TO BEACON ATHLETICS PRO-DECK ON-DECK CIRCLE WITH LOGO.
- 9. WARNING TRACK AREA USE INFIELD MIX.
- 10. VISITOR'S DUGOUT
- 11. 3'-0" HIGH BACKSTOP WALL WITH 30' HIGH BACKSTOP NETTING SYSTEM. PROVIDE 3'-0" HIGH, 2" THICK WALL PADDING WITH LOGO (EQUAL TO BEACON ATHLETICS AER-CUSHION OUTDOOR PADDING) AT WALL DIRECTLY BEHIND HOME PLATE CORNER TO CORNER.
- 12. HOME DUGOUT
- 13. 15' WIDE x 4 ROW ALUMINUM BLEACHER. ANCHOR TO CONCRETE SLAB
- 14. PRESS BOX BUILDING
- 15. HOME PLATE. EQUAL TO BEACON ATHLETICS HOME PLATE WITH ANCHOR AND STANCHION.
- 16. BASE. EQUAL TO BEACON ATHLETICS PRO—STYLE BASE SET FITS 1.5" BASE ANCHORS.
- 17. BULL PEN AREA
- 18. BATTING CAGE AREA. PROVIDE 14' X 70' X 14' HIGH BATTING CAGE EQUAL TO BEACON ATHLETICS TUFF FRAME PRO OUTDOOR BATTING CAGE. POLES (TOTAL OF 6) SHALL BE SET IN BE SET IN 7'-0" DEEP X 24" DIA. CONCRETE FOOTING. BOTTOM OF EXCAVATION TO BE FILLED WITH 6"-8" OF CRUSHED AGGREGATE.
- 19. 10' WIDE GATE. PROVIDE PAD LOCKABLE LATCH.
- 20. 4' WIDE OPENING IN FENCE.
- 21. 3' WIDE GATE
- 22. 4" THICK CONCRETE PLAZA
- 23. 4" THICK CONCRETE SIDEWALK WITH CURB.
- 24. DOUBLE PITCHING MOUND WITH ARTIFICIAL TURF EQUAL TO BEACON ATHLETICS PERFECT MOUND BULLPEN MOUND.
- 25. RELOCATE EXISTING SCOREBOARD
- 26.6'-0" X 100' LONG HIGH BATTER'S EYE WINDSCREEN WITH LOGO EQUAL TO BEACON ATHLETICS TUFFY WINDSCREEN.
- 27. SOD INFIELD SPORTS MIX.

LAYOUTS TO MEET
NATIONAL FEDERATION OF
STATE HIGH SCHOOL ASSOCIATION
(NFSHSA) GUIDELINES









ST CARROLLTON SCHO TENNIS COURTS 5833 STUDENT STREET

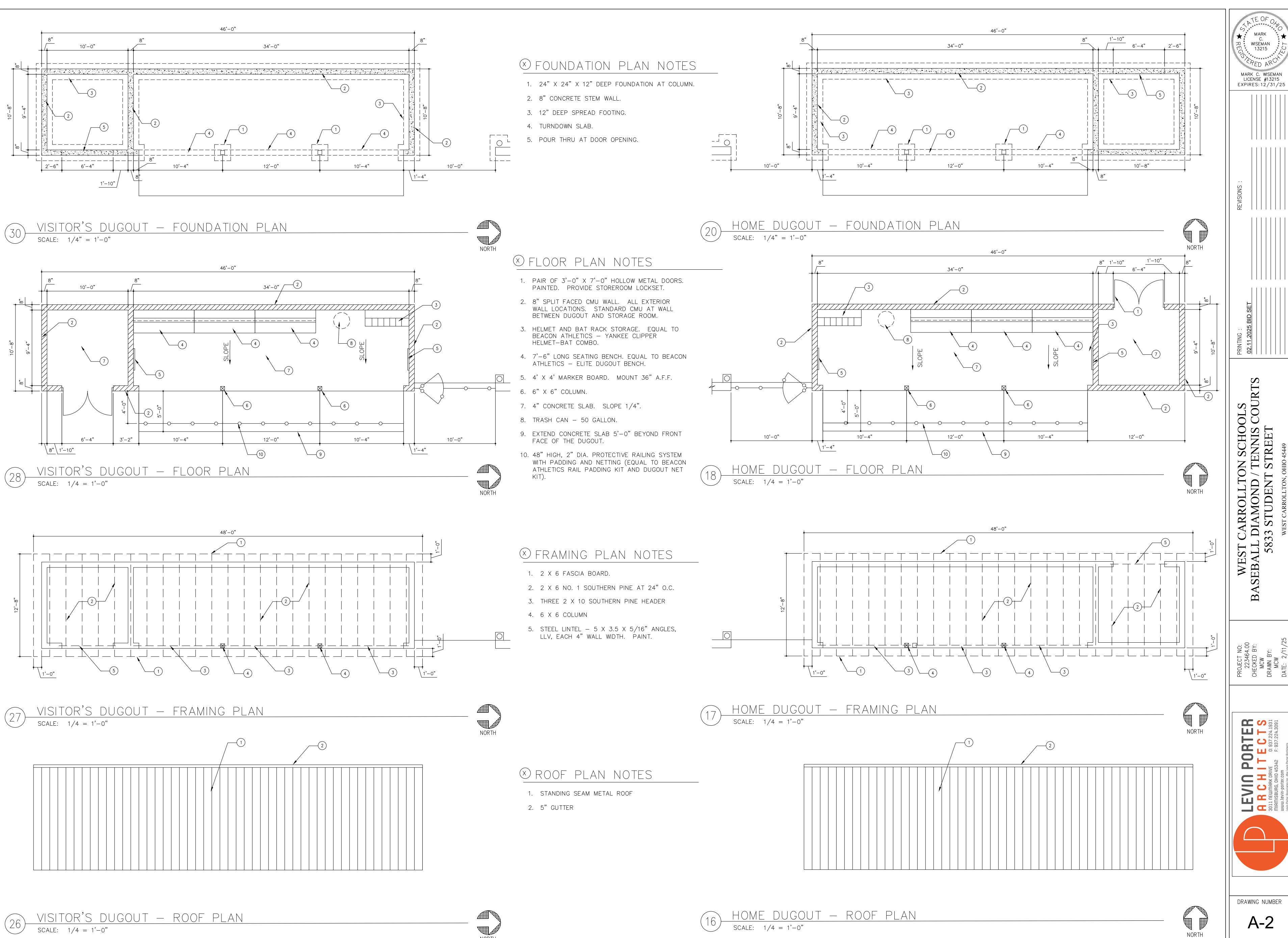






DRAWING NUMBER

A-1

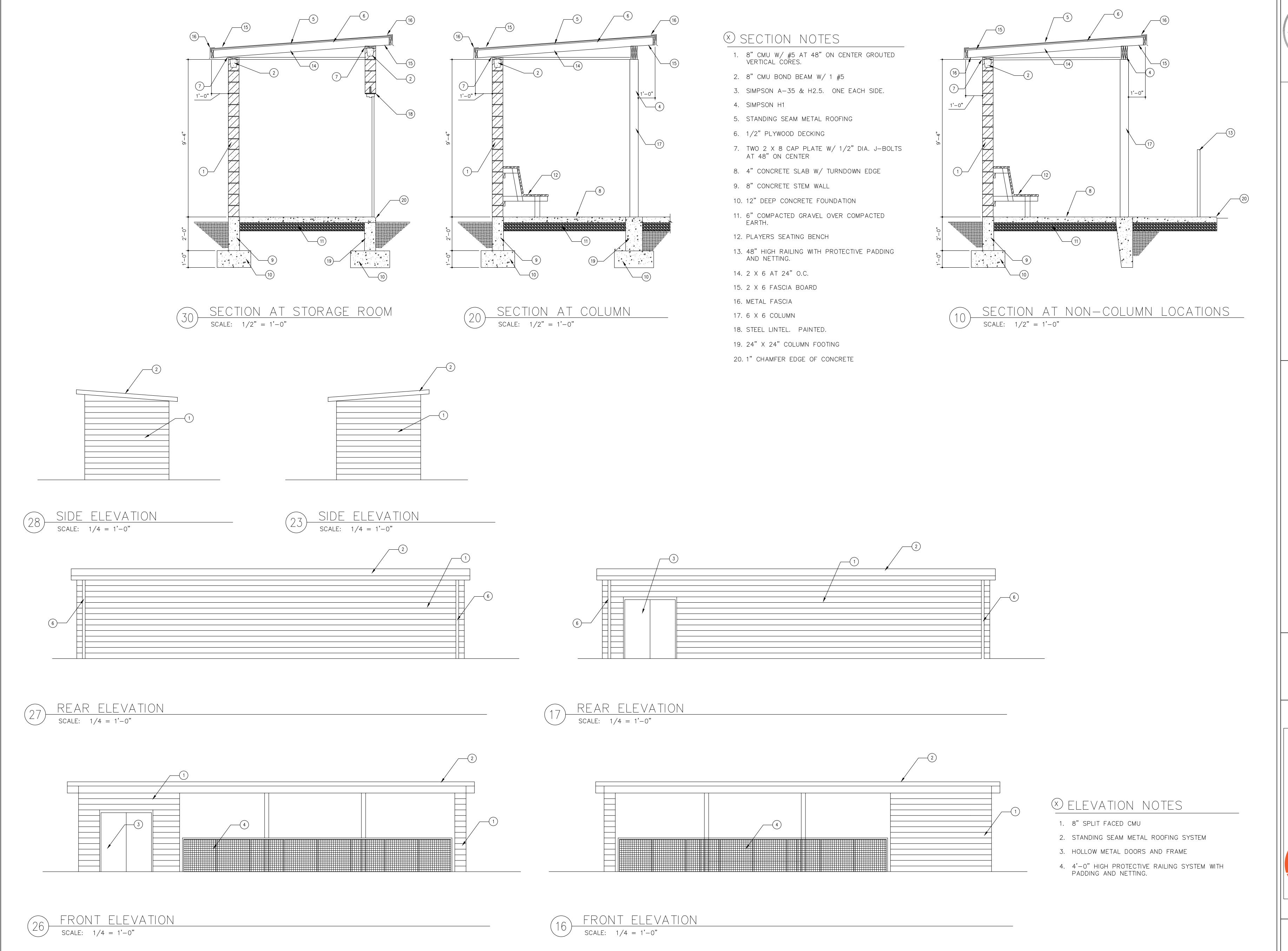


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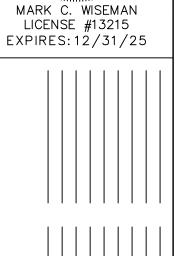
WISEMAN 13215

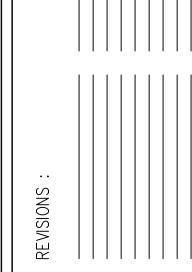
MARK C. WISEMAN LICENSE #13215

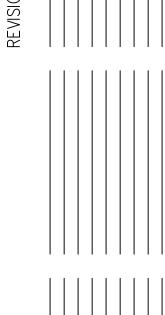
EXPIRES: 12/31/25



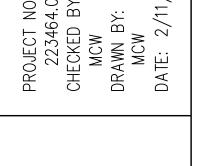
WISEMAN 13215 MARK C. WISEMAN LICENSE #13215 EXPIRES:12/31/25











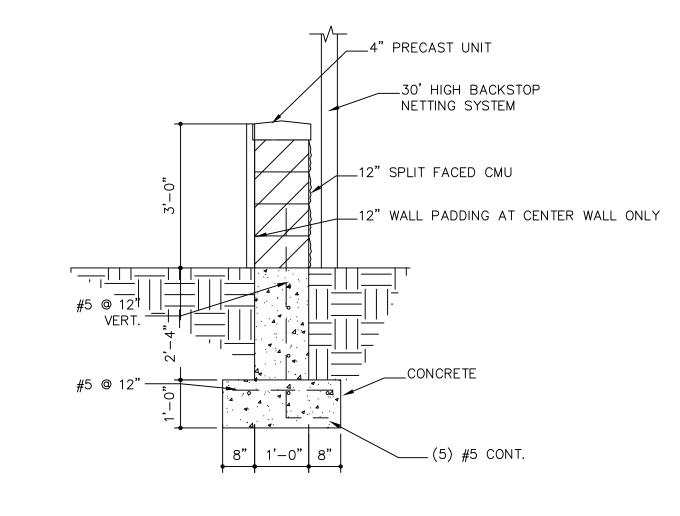


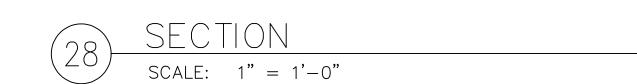
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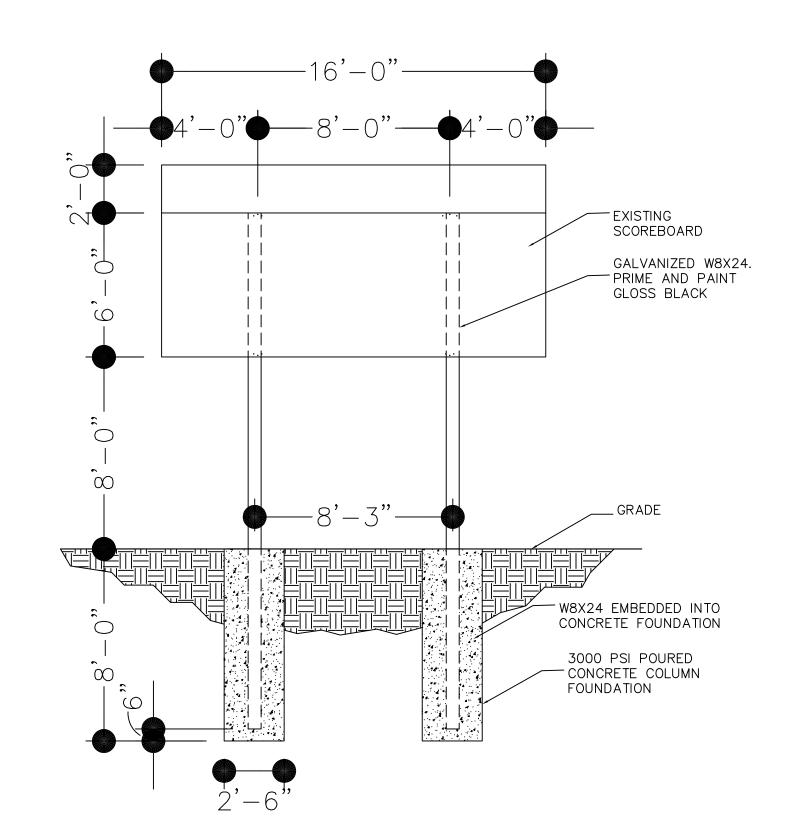
A-3



- 1. 12" CONCRETE STEM WALL
- 2. 28" CONCRETE SPREAD FOUNDATION
- 3. 24" X 24" X 36" DEEP FOUNDATION FOR BACKSTOP POLE. CONFIRM WITH MANUFACTURER'S REQUIREMENTS.
- 4. 45 DEGREE CORNER

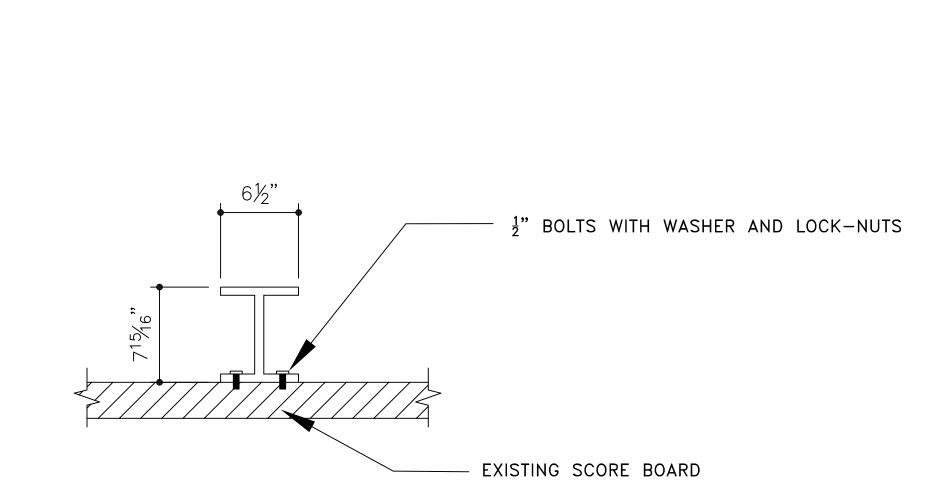






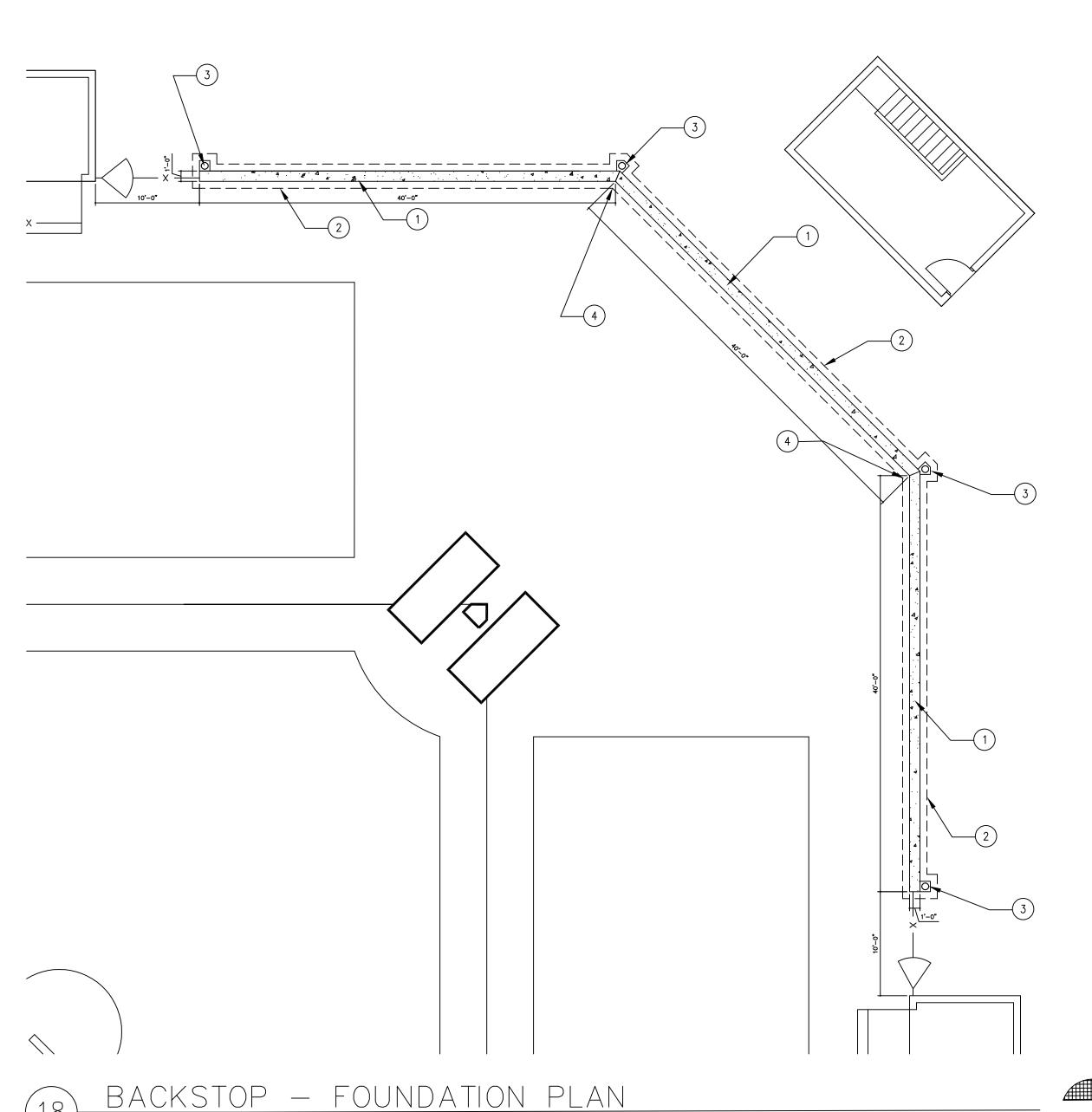
SCOREBOARD ELEVATION

SCALE: 1/4" = 1'-0"



SCOREBOARD DETAIL

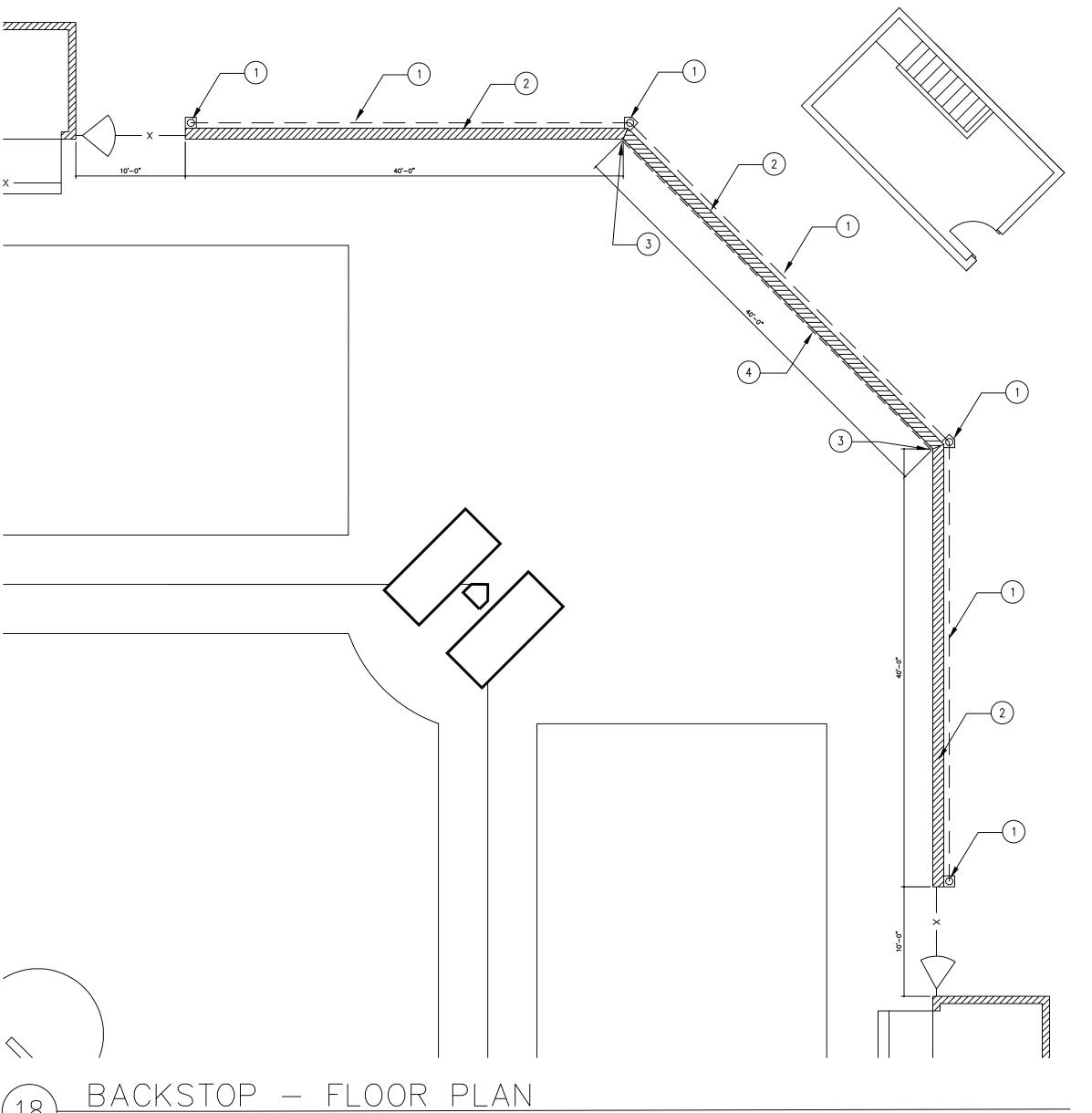
SCALE: 1.5" = 1'-0"





Ø FLOOR PLAN NOTES

- BACKSTOP POLE, 30 FOOT TALL NETTING SYSTEM. COORDINATE NUMBER OF POLES AND LOCATIONS WITH MANUFACTURER ON EXACT PLACEMENT WITH BACKSTOP WALL.
- 2. 12" CMU BACKSTOP WALL.
- 3. 45 DEGREE CORNER
- 4. 36" HIGH WALL PADDING



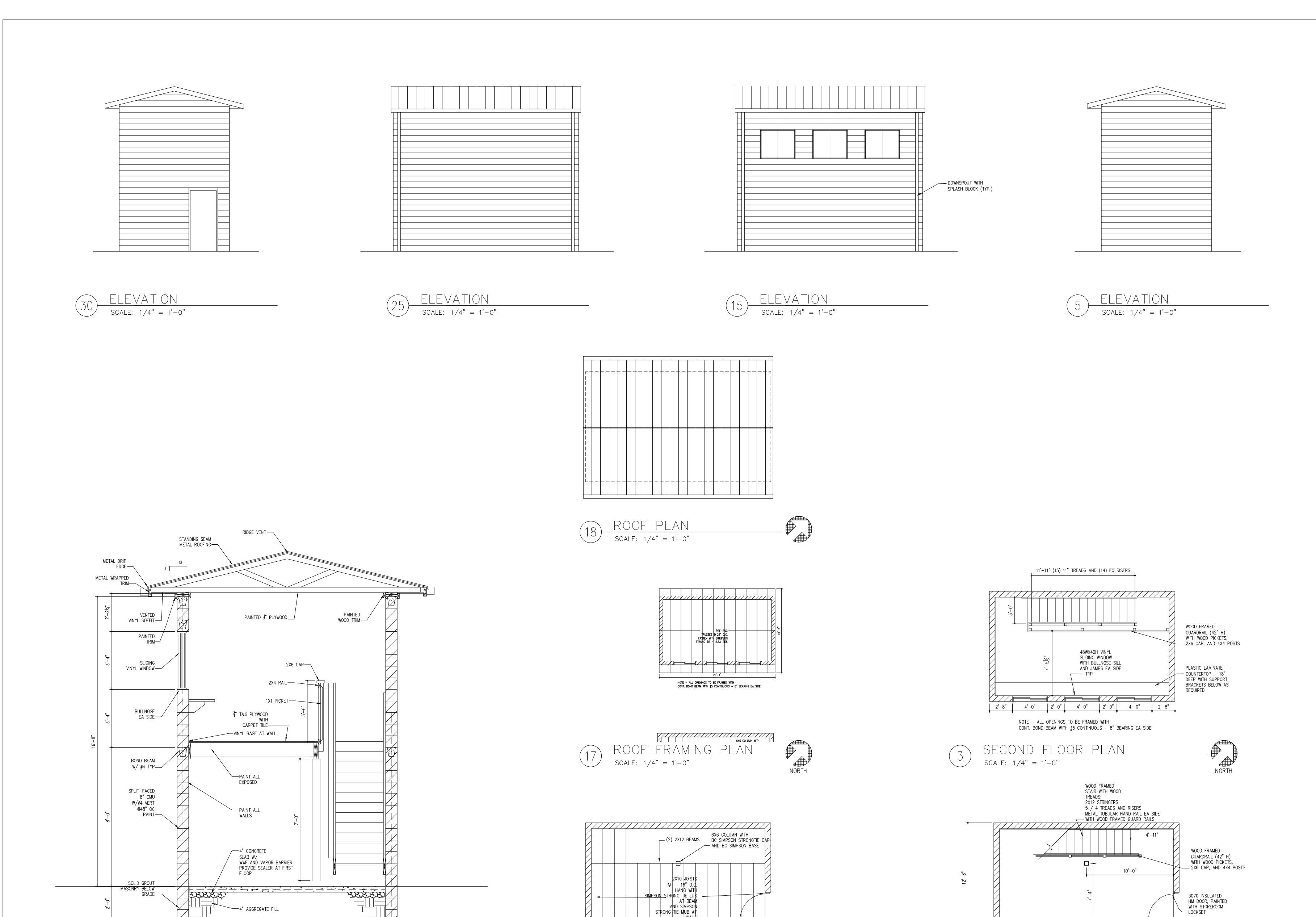






DRAWING NUMBER

A-4



STRONG TIE MUB AT

NOTE — ALL OPENINGS TO BE FRAMED WITH CONT. BOND BEAM WITH #5 CONTINUOUS — 8" BEARING EA SIDE

2ND FLOOR FRAMING PLAN

—4" AGGREGATE FILL

BUILDING SECTION



WEST CSEBALL I

MARK C. WISEMAN LICENSE #13215 EXPIRES:12/31/25

DRAWING NUMBER A-5

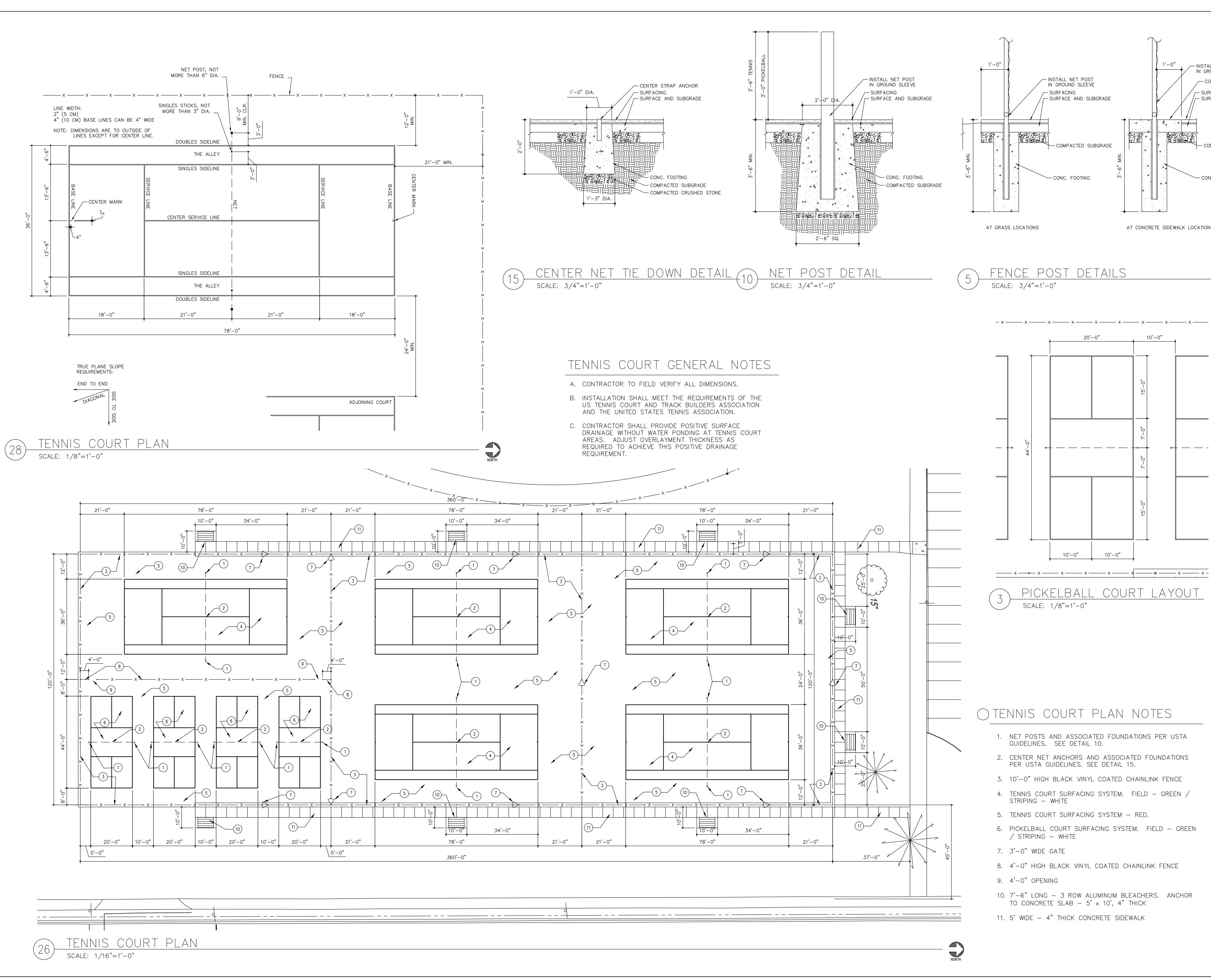
8" CMU WALL
PAINTED

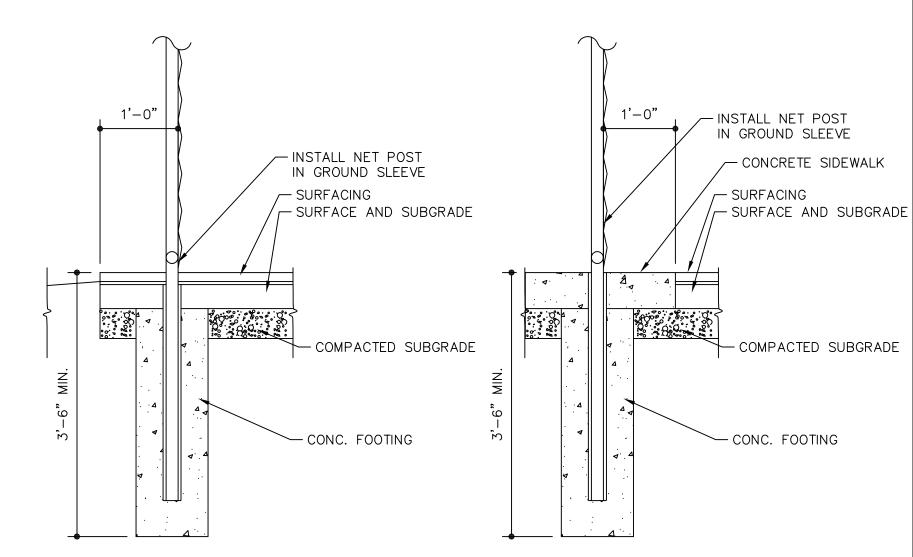
21'-4"

NOTE - ALL OPENINGS TO BE FRAMED WITH

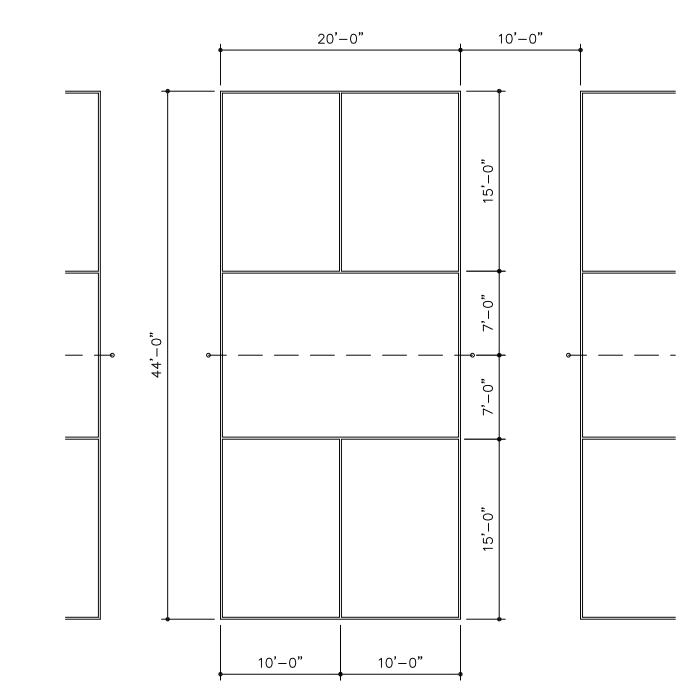
FIRST FLOOR PLAN

SCALE: 1/4" = 1'-0"





AT CONCRETE SIDEWALK LOCATIONS



PICKELBALL COURT LAYOUT

WISEMAN 13215

MARK C. WISEMAN

LICENSE #13215

EXPIRES: 12/31/25

TENNIS COURT PLAN NOTES

- 1. NET POSTS AND ASSOCIATED FOUNDATIONS PER USTA GUIDELINES. SEE DETAIL 10.
- 2. CENTER NET ANCHORS AND ASSOCIATED FOUNDATIONS PER USTA GUIDELINES. SEE DETAIL 15.
- 3. 10'-0" HIGH BLACK VINYL COATED CHAINLINK FENCE
- 4. TENNIS COURT SURFACING SYSTEM. FIELD GREEN /
- 5. TENNIS COURT SURFACING SYSTEM RED.
- 6. PICKELBALL COURT SURFACING SYSTEM. FIELD GREEN
 / STRIPING WHITE
- 8. 4'-0" HIGH BLACK VINYL COATED CHAINLINK FENCE
- 10. 7'-6" LONG 3 ROW ALUMINUM BLEACHERS. ANCHOR TO CONCRETE SLAB - 5' x 10', 4" THICK

11. 5' WIDE — 4" THICK CONCRETE SIDEWALK



S31

DRAWING NUMBER

A-6

GENERAL NOTES (APPLIES TO ALL DIVISION 26 SHEETS)

- A. ALL CONDUCTORS WILL BE COPPER IN CONDUIT. SEE DRAWINGS AND 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 MINIMUM 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. $\,$
- WHERE WIRING IS REQUIRED TO BE RUN EXPOSED ALONG WALLS AND CEILINGS, IT SHALL BE RUN IN METAL SURFACE RACEWAY (WIREMOLD UNLESS INDICATED OTHERWISE - COORDINATE EXACT SERIES NUMBER WITH OWNER AND PROVIDE ACCORDINGLY) MOUNTED TIGHT TO EXISTING SURFACE MATCHING CONTOUR OF BUILDING LINES AND PAINTED TO MATCH SURFACES ON WHICH
- H. ALL ELECTRICAL SPLICES FOR WIRE SIZES 6 AWG AND LARGER SHALL BE HYDRAULIC CRIMP TYPE.

THEY ARE MOUNTED. COORDINATE ALL LOCATIONS AND ROUTES WITH ENGINEER PRIOR TO ROUGH-IN.

- 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.
- ALL EXPOSED CONDUIT ABOVE GRADE WILL BE RIGID GALVANIZED METALLIC WITH ALL STEEL FITTING, PAINTED TO MATCH SURFACES ON WHICH THEY ARE MOUNTED.
- K. $\,$ ALL EXTERIOR MOUNTED CONDUIT SHALL BE SEALED WATER AND MOISTURE TIGHT. ALL EXTERIOR MOUNTED DEVICES SHALL BE WEATHERPROOF NEMA 3R, UNLESS OTHERWISE NOTED.
- 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.
- M. E.C. IS RESPONSIBLE TO PROVIDE ALL LOW VOLTAGE WIRING TO ALL EXTERIOR MOUNTED FIXTURES AND INTERIOR MOUNTED FIXTURES THAT ARE INDICATED TO BE RUN THROUGH THE LIGHTING CONTROL SYSTEM OR INDICATED TO BE DIMMED. COORDINATE EXACT WIRING REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY.
- N. 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 EQUALS AND PROVIDE ACCORDINGLY.
-). ALL UNDERGROUND CONDUITS/DUCTBANKS SHALL BE SCHEDULE 40 PVC PER DETAIL(S) ON SHEET E002. 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
- P. 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.

- Q. COORDINATE EXACT ROUTE OF ALL UNDERGROUND CONDUITS AT SITE PRIOR TO EXCAVATION. UTILIZE LONG SWEEPING BENDS ON
- R. ALL OCCUPANCY SENSORS REQUIRING A POWER PACK AND POWER SHALL TAP THEIR POWER FEED AHEAD OF ANY/ALL SWITCHING. IN CORRIDORS AND PUBLIC SPACES CONTROLLED BY THE LIGHTING AUTOMATION SYSTEM THE POWER PANEL SHALL BE FED FROM THE NEAREST EMERGENCY EXIT LIGHT CIRCUIT (NON-SWITCHED).
- S. 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.
- STAGGER RECEPTACLES AND OTHER RECESSED OUTLETS WHEN LOCATED ON OPPOSITE SIDES OF PARTITION TO ELIMINATE SOUND TRANSMISSION FROM ONE SPACE TO THE OTHER. CENTER DEVICES WHERE APPLICABLE IN EACH WALL SECTION.
- U. EXACT LOCATION OF ALL DEVICES SERVING EQUIPMENT TO BE VERIFIED AT SITE WITH OWNER'S REPRESENTATIVE AND/OR
- 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, LIGHTING CONTROLS AND SWITCHES, AND MOTOR CONTROLLERS.
- W. DRAWINGS SHOW GENERAL LOCATIONS AND APPROXIMATE MOUNTING HEIGHTS FOR DATA AND AV OUTLETS AND EQUIPMENT
- ALL RECEPTACLE AND DATA OUTLETS TO BE MOUNTED AT 18"M.H. UNLESS OTHERWISE NOTED, DATA OUTLETS LOCATED ADJACENT
- 1. E.C. IS RESPONSIBLE TO COORDINATE ALL DEVICE LOCATIONS WITH CASEWORK DRAWINGS AND ARCHITECT PRIOR TO ROUGH-IN TO AVOID CONFLICTS. ANY DEVICE LOCATION NOT PROPERLY COORDINATED WITH CASEWORK, FURNITURE, ETC SHALL BE THE COST RESPONSIBILITY OF THE E.C. TO RELOCATE PROPERLY.

TO DUPLEX AND DOUBLE DUPLEX RECEPTACLES SHALL BE MOUNTED AT THE SAME M.H. WITH THE RESPECTIVE RECEPTACLE.

BRANCH CIRCUIT WIRE SIZING CHART TO BE UTILIZED AS GUIDELINE FOR VOLTAGE DROP COMPENSATION, INCREASE CONDUIT

AA. E.C. IS RESPONSIBLE TO PROVIDE ANY AND ALL ELECTRICAL WORK AND ROUGH-INS ASSOCIATED AND CALLED OUT ON THE

- 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. #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.
- BB. 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

TECHNOLOGY DRAWINGS/DETAILS. REFER TO TECHNOLOGY DRAWINGS FOR EXACT SCOPE OF WORK AND PROVIDE ACCORDINGLY

- CC. THE CONTRACTOR SHALL REFER TO ALL SPECIFICATIONS SECTIONS, AND ELECTRICAL DRAWINGS FOR DETAILS OF BUILDING CONSTRUCTION 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.
- DD. 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.
- EE. 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.
- FF. FIELD VERIFY DIMENSIONAL INFORMATION PRIOR TO ORDERING EQUIPMENT. DO NOT SCALE DRAWINGS.
- GG. TITLES, CAPTIONS, HEADINGS, ETC. ARE INTENDED FOR GENERAL REFERENCE AND ARE NOT INTENDED TO LIMIT THE WORK REQUIRED IN ANY WAY.
- HH. 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.
- II. ALL WORK SHALL BE PERFORMED IN COMPLETE COMPLIANCE WITH ALL GOVERNING CODES AND STANDARDS.
- JJ. 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. KK. 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.

ELECTRICAL SYMBOLS DASH SYMBOL INDICATES PARTICULAR OUTLET OR DEVICE TO BE REMOVED AND CIRCUITRY MADE CONTINUOUS WHERE EXISTING OUTLET OR DEVICE TO REMAIN. MAINTAIN EXISTING CIRCUITING.

ELECTRICAL CONNECTION. 20A-125V DUPLEX RECEPTACLE, NEMA 5-20R (18" MH UNLESS NOTED OTHERWISE). WHEN 🖒 SHOWN, RECEPTACLE TO HAVE "CONTROLLED" MARKINGS.

20A-125V SINGLE RECEPTACLE, NEMA 5-20R (18" MH UNLESS NOTED OTHERWISE)

SPECIAL PURPOSE RECEPTACLE. REFER TO NOTE ON PLAN.

20A-125V DOUBLE DUPLEX RECEPTACLE. NEMA 5-20R, (18" MH UNLESS NOTED OTHERWISE) TWO GANG ASSEMBLY. 20A-125V DUPLEX RECEPTACLE, NEMA 5-20R (46" MH UNLESS NOTED OTHERWISE) 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 20A-125V WEATHERPROOF DUPLEX RECEPTACLE, NEMA 5-20R WITH GROUND FAULT CIRCUIT INTERRUPTER (18" MH

UNLESS NOTED OTHERWISE), WITH TAYMAC #MM420G EXTRA DUTY GRAY COVER, VERTICAL MOUNT. 20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, ON EMERGENCY POWER (18" MH UNLESS NOTED OTHERWISE).

FLOOR BOX, # INDICATES TYPE, REFER TO FLOOR BOX (FB) SCHEDULE. IF NO #, PROVIDE HUBBELL BA-2527 FLUSH FLOOR BOX WITH ROUND SA-3925 COVERPLATE AND ONE 20A-125V DUPLEX RECEPTACLE. PROVIDE CARPET FLANGE WHERE REQD. 20-125V DUPLEX RECEPTACLE, NEMA 5-20R, WITH ISOLATED GROUND (18" MH UNLESS NOTED OTHERWISE).

20A-125/250V-1PH-4W SINGLE RECEPTACLE, NEMA 14-20R (18" MH UNLESS NOTED OTHERWISE). 30A-125/250V-1PH-4W SINGLE RECEPTACLE, NEMA 14-30R (18" MH UNLESS NOTED OTHERWISE).

50A-125/250V-1PH-4W SINGLE RECEPTACLE, NEMA 14-50R (18" MH UNLESS NOTED OTHERWISE). 20A-250V-3PH-4W SINGLE RECEPTACLE, NEMA 15-20R (18" MH UNLESS NOTED OTHERWISE).

30A-250V-3PH-4W SINGLE RECEPTACLE, NEMA 15-30R (18" MH UNLESS NOTED OTHERWISE) 50A-250V-3PH-4W SINGLE RECEPTACLE, NEMA 15-50R (18" MH UNLESS NOTED OTHERWISE)

MULTI-OUTLET RECEPTACLES ASSEMBLY, NEMA 5-15R (SINGLE OUTLETS ON 18" CENTERS) (46" MH UNLESS NOTED WIREMOLD RACEWAY, AS NOTED ON PLANS.

SINGLE POLE SWITCH (46" MH UNLESS NOTED OTHERWISE). MULTI-WAY WALL SWITCH, # INDICATES NUMBER OF WAYS (46" MH UNLESS NOTED OTHERWISE) KEY OPERATED WALL SWITCH (46" MH UNLESS NOTED OTHERWISE). LOW-VOLTAGE MOMENTARY WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).

LIGHTING DIMMER SWITCH (46" MH UNLESS NOTED OTHERWISE) 1000 WATTS UNLESS OTHERWISE INDICATED. SWITCH WITH RECEPTACLE (46" MH UNLESS NOTED OTHERWISE) STANDARD TWO-GANG ASSEMBLY OF SWITCH AND RECEPTACLE. HP RATED WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).

ELECTRICAL PANEL OR SWITCHBOARD PER DRAWINGS PULL BOX. DISCONNECT SWITCH. MOTOR STARTER.

COMBINATION MOTOR STARTER AND DISCONNECT SWITCH. CORD REEL. BASIS OF DESIGN IS HUBBELL #HBLI25123R220M1.

POWER POLE. PUSHBUTTON (46" MH UNLESS NOTED OTHERWISE) EDWARDS 852 (120 VOLT). PHOTOELECTRIC SENSOR

LC LIGHTING CONTACTOR. CEILING MOUNTED OCCUPANCY SENSOR. WALL MOUNTED OCCUPANCY SENSOR

CEILING MOUNTED DAYLIGHT SENSOR OCCUPANCY SENSOR POWER PACK.

FIRE ALARM SYMBOLS

FIRE ALARM CONTROL PANEL. REMOTE ANNUNCIATOR PANEL NOTIFICATION APPLIANCE CIRCUIT EXTENDER PANEL AIR SAMPLING SMOKE DETECTOR BASE UNIT. FIRE ALARM SPEAKER & 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. 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. FIRE ALARM CHIME & 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. FIRE ALARM HORN & 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. FIRE ALARM BELL (88" AFF UNLESS NOTED OTHERWISE). SUBSCRIPT "W" INDICATES EXTERIOR WEATHERPROOF UNIT. FIRE ALARM 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. 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 CEILING MOUNTED FIRE ALARM HORN & 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. CEILING MOUNTED FIRE ALARM 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. CEILING MOUNTED FIRE ALARM SPEAKER. SURFACE MOUNTED FIRE ALARM SPEAKER (88" AFF). SUBSCRIPT "R" INDICATES RECESSED MOUNTING. FIRE ALARM MANUAL STATION (46" MH UNLESS NOTED OTHERWISE). SUBSCRIPT "K" INDICATES KEY OPERATED. CEILING MOUNTED SMOKE DETECTOR. CEILING MOUNTED HEAT DETECTOR.

DUCT MOUNTED SMOKE DETECTOR. SUBSCRIPT "S" INDICATES SUPPLY. SUBSCRIPT "R" INDICATES RETURN [H]===| DUCT MOUNTED HEAT DETECTOR. SUBSCRIPT "S" INDICATES SUPPLY. SUBSCRIPT "R" INDICATES RETURN. BEAM DETECTOR. SUBSCRIPT "T" INDICATES TRANSMITTER FUNCTION. SUBSCRIPT "R" INDICATES RECEIVER FUNCTION.

ELECTRIC RELEASE DOOR CLOSER. ELECTRO-MAGNETIC DOOR HOLDER. WATER FLOW SWITCH. VALVE SUPERVISORY SWITCH.

CEILING MOUNTED REMOTE TEST STATION AND ALARM INDICATOR LIGHT FOR DUCT DETECTOR. SUBSCRIPT "W" INDICATES WALL MOUNTED. SMOKE DAMPER. FIRE FIGHTER'S TELEPHONE (60" MH UNLESS NOTED OTHERWISE). PRESSURE SWITCH.

ADDRESSABLE MODULE. SUBSCRIPT "I" INDICATES INPUT. SUBSCRIPT "C" INDICATES CONTROL. POST INDICATOR VALVE. KNOX BOX (46" MH UNLESS NOTED OTHERWISE). SUBSCRIPT "S" INDICATES SUPERVISED UNIT

GAS SENSOR.

CARBON MONOXIDE DETECTOR.

TECHNOLOGY SYMBOLS WITH ELEC. REQUIREMENTS

	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	WALL MOUNTED VOICE/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 "XD/XV" INDICATES QUANTITY OF DATA/VOICE CABLES. REFER TO FACEPLATE DETAILS.
W	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.
AP 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.
	WALL MOLINTED AVIOLITIET (84" MH LINLESS NOTED OTHERWISE). ROX WITH CONDUIT PER DIV 26. REFER TO EACEPLATE

WALL MOUNTED AV OUTLET (84" MH UNLESS NOTED OTHERWISE). BOX WITH CONDUIT PER DIV 26. REFER TO FACEPLATE DETAILS. JACKS, FACEPLATE AND CABLING PER DIV 27. SUBSCRIPT "X" INDICATES ALTERNATE CONFIGURATION. DETAILS. JACKS, FACEPLATE AND CABLING PER DIV 27. SUBSCRIPT "X" INDICATES ALTERNATE CONFIGURATION.

WALL MOUNTED AV OUTLET (44" MH UNLESS NOTED OTHERWISE). BOX WITH CONDUIT PER DIV 26. REFER TO FACEPLATE CUSTOM OUTLET IN SURFACE RACEWAY. SURFACE RACEWAY PER DIV 26. OUTLET JACKS, FACEPLATE AND CABLING FLOOR BOX PER DIV 26. # INDICATES TYPE, REFER TO FLOOR BOX (FB) SCHEDULE. SUBSCRIPT "X" INDICATES TECHNOLOGY DEVICE(S), REFER TO TECHNOLOGY DETAILS.

POKE-THRU PER DIV 26. # INDICATES TYPE, REFER TO POKE-THRU (PT) SCHEDULE. SUBSCRIPT "X" INDICATES TECHNOLOGY DEVICE(S), REFER TO TECHNOLOGY DETAILS. **LUMINAIRE SYMBOLS**

LIGHTING FIXTURE. CAPITAL LETTER DENOTES FIXTURE TYPE, LOWER CASE LETTER DENOTES LIGHTING FIXTURE ON NIGHT LIGHT OR EMERGENCY CIRCUIT EXIT LIGHTING FIXTURE, ARROWS AS INDICATED

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

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

ALL RECEPTACLES AND LIGHTING CONTROLS, **INCLUDING COVERPLATES, SHALL BE WHITE IN COLOR UNLESS OTHERWISE NOTED.**

ABBREVIATIONS

- AREA ALARM PANEL - MEDICAL GAS

ACC	- ACCESS	HP	- HORSE POWER OR HIGH POINT
ADJ	- ADJUSTABLE	HVAC	- HEATING, VENTILATING, AND AIR CONDITIONING
AF	- ARC FAULT CIRCUIT INTERRUPTER		-,,
AFCI	- ARC FAULT CIRCUIT INTERRUPTER	ID	- INSIDE DIAMETER
AFF	- ABOVE FINISHED FLOOR TO BOTTOM OF ITEM	IN	- INCHES
AFG	- ABOVE FINISHED GRADE TO BOTTOM OF ITEM		
ALT	- ALTERNATE	KEC	- KITCHEN EQUIPMENT CONTRACTOR
AP	- ACCESS PANEL	0	
APPROX	- APPROXIMATE	L	- LENGTH
ARCH	- ARCHITECT OR ARCHITECTURAL	LBS	- POUNDS
ASSY	- ASSEMBLY	250	1 001120
ATS	- AUTOMATIC TRANSFER SWITCH	MAX	- MAXIMUM
7110	ACTOMICTION IN MOLEKOWITON	MEZZ	- MEZZANINE
BLDG	- BUILDING	MFR	- MANUFACTURER
BOE	- BOTTOM OF EQUIPMENT	MH	- MANHOLE OR MOUNTING HEIGHT TO CENTER LINE OF ITEM
BOT	- BOTTOM	MIN	- MINIMUM OR MINUTE
BTWN	- BETWEEN	MISC	- MISCELLANEOUS
DIVIN	DETWEEN	MTD	- MOUNTED
CFCI	- CONTRACTOR FURNISHED CONTRACTOR INSTALLED	MTG	- MOUNTING
CKT	- CIRCUIT	WITO	- 101001111110
CLG	- CEILING	NIC	- NOT IN CONTRACT
CMU	- CONCRETE MASONRY UNIT	NOM	- NOMINAL
CONN	- CONNECT OR CONNECTION	NTS	- NOT TO SCALE
CONTR	- CONTRACTOR	NIS	- NOT TO SCALE
CORR	- CORRIDOR	OD	- OUTSIDE DIAMETER
CTR	- CENTER	OFCI	- OWNER FURNISHED CONTRACTOR INSTALLED
CIK	- CENTER	OFOI	- OWNER FURNISHED CONTRACTOR INSTALLED
D	DEDTH	OFOI	- OWNER FURNISHED OWNER INSTALLED
D DET	- DEPTH - DETAIL	PC	DILLIMPING CONTRACTOR (DIVIGION 22)
		PLBG	- PLUMBING CONTRACTOR (DIVISION 22)
DIA	- DIAMETER	PLBG	- PLUMBING
DIM	- DIMENSION	DAD	DADILIC
DIV	- DIVISION	RAD	- RADIUS
DN	- DOWN	REC REQD	- RECESSED
DWG	- DRAWING		- REQUIRED
- 4	FACIL	RI	- ROUGH-IN
EA	- EACH	0	CUDEACE MOUNTED
EC	- ELECTRICAL CONTRACTOR (DIVISION 26)	S	- SURFACE MOUNTED
EJ	- EXPANSION JOINT	SC	- SECURITY CONTRACTOR
ELEC	- ELECTRICAL	SCH	- SCHEDULE
ELEV	- ELEVATION OR ELEVATOR	SHT	- SHEET
EM	- EMERGENCY	SMS	- SECURITY MANAGEMENT SYSTEM
EQ	- EQUAL	SPEC	- SPECIFICATIONS
EQS	- EQUIPMENT SUPPLIER	SQ	- SQUARE
EQUIP	- EQUIPMENT	SS	- STAINLESS STEEL
E/R	- EXISTING TO BE RELOCATED	STD	- STANDARD
EX	- EXISTING TO REMAIN	STRUC	- STRUCTURAL OR STRUCTURE
EXP	- EXPANSION	SUC	- SITE UTILITY CONTRACTOR
EXT	- EXTERIOR	TO	TECHNOLOGY CONTRACTOR
FOF	FIDE CONTROL FOLLIPMENT	TC	- TECHNOLOGY CONTRACTOR
FCE	- FIRE CONTROL EQUIPMENT	TEMP	- TEMPERATURE
FF	- FINISHED FLOOR ELEVATION	TOE	- TOP OF EQUIPMENT
FLR	- FLOOR	TYP	- TYPICAL
FSC	- FIRE SUPPRESSION CONTRACTOR (DIVISION 21)		
FT	- FEET	UNO	- UNLESS NOTED OTHERWISE
FTG	- FOOTING	\/55	VARIABLE EREQUENCY BRIVE
0.0	OFNEDAL CONTRACTOR	VFD	- VARIABLE FREQUENCY DRIVE
GC	- GENERAL CONTRACTOR	VOL	- VOLUME
GF	- GROUND FAULT CIRCUIT INTERRUPTER		
GFCI	- GROUND FAULT CIRCUIT INTERRUPTER OR GOVERNMENT	W/	- WITH
	FURNISHED CONTRACTOR INSTALLED	W/O	- WITHOUT
GFFT	- GROUND FAULT FEED THRU	WP	- WEATHERPROOF
CEN	EDAL ELOOD DI ANIMOTES		
GEIN	ERAL FLOOR PLAN NOTES		

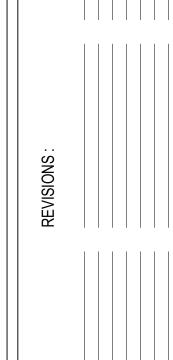
- HVAC CONTRACTOR (DIVISION 23)

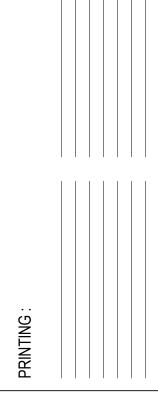
B E2	DETAIL: B = DETAIL DESIGNATION E2 = SHEET WHERE DETAIL IS LOCATED
1 E2	SECTION: 1 = SECTION DESIGNATION E2 = SHEET WHERE SECTION IS LOCATED
T2 1	ELEVATION: 1 = ELEVATION DESIGNATION T2 = SHEET WHERE ELEVATION IS LOCATED
3	PLAN NOTE. APPLIES ONLY TO THE SHEET WHICH IT IS SHOWN.
3	DETAIL NOTE. APPLIES ONLY TO THE ASSOCIATED DETAIL.
3	LIGHTING CONTROL DETAIL NOTE. APPLIES TO THE LIGHTING CONTROL SEQUENCE OF OPERATIONS SCHEDULE FOR ROOM CONTROL.
3	DEVICE QUANTITY - POWER NOTE. REFER TO DEVICE QUANTITIES - POWER SCHEDULE.
	LADDER TRAY, 12" x 4" DEEP UNLESS NOTED OTHERWISE.
	CABLE TRAY, 12" x 4" DEEP UNLESS NOTED OTHERWISE.
4"	WIRE & CONDUIT IN WALL OR ABOVE CEILING.
=== 4" ==	WIRE & CONDUIT IN OR BELOW SLAB OR GRADE.
C==== 4" ====	CONDUIT TO BE REMOVED.
EX.	EXISTING WIRE & CONDUIT TO REMAIN.
DAT	CONDUIT FOR DATA CIRCUITRY.
EM	WIRE & CONDUIT FOR EMERGENCY CIRCUITRY.
FA	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).

ELECTRICAL SHEET LIST

SHEET NUMBER	SHEET NAME
E001	LEGEND, GENERAL NOTES & INDEX
E002	SCHEDULES & DETAILS
E003	SINGLE LINE & PANEL SCHEDULES
E100	ELECTRICAL SITE PLAN







ST CARROLLTON SCHOOLS LL DIAMOND / TENNIS COU 5833 STUDENT STREET



								LUMINAIR	ES									LIGHTING SCHEDULE NOTES 1. PROVIDE FIXTURE WITH UNIVERSAL VOLTAGE, DIMMABLE DRIVER. 2. PROVIDE FIXTURE WITH EMERGENCY BATTERY BACKUP DRIVER WHE 3. COORDINATE MOUNTING HARDWARE WITH CEILING/WALL TYPE AND A ACCORDINGLY. PROVIDE SLOPED CEILING ADAPTOR IN CEILING THAT
MAR	TYPE O. O.	DELIVERED LUMENS	COLOR	LOAD (VA)	FIXTURE VOLTAGE	MANUFACTURER	CATALOG NO.	DESCRIPTION	OTHER ACCEPTABLE MANUFACTURERS	DIFFUSING MEDIA	WHITE BLACK ALUMINUM BRONZE STANDARD SEE NOTE	S-SURFACE R-RECESSED SM-STEM MTD WM-WALL MTD C-CHAIN MTD UC-UNDER CAB CS-CEIL SURFACE	DIAMETER	WIDTH	LENGTH	DEPTH	SEE NOTE	 PROVIDE CUSTOM COLOR AS SELECTED BY ARCHITECT DURING SHO FIXTURE TO BE WET LISTED FOR EXTERIOR MOUNTING; PROVIDE ALL FASTENERS AND SUPPORTS FOR PROPER MOUNTING OF FIXTURE. PROVIDE FIXTURE COMPLETE WITH LENS, FUSING, COLD WEATHER D
C1 K1	X	6441 2912	4000K 4000K		120	ILP LITHONIA	WPX1 LED P2-40K-MVOLT-PE-XXXX	VAPORTIGHT LINEAR LED LED WALL PACK WITH EM BATTERY PACK	HUBBELL, STONCO	FROSTED VAPORTIGHT LENS FORWARD THROW	•	S WM - 8'-0"MH		3.699'	48" 17.125"	3" 6"	1,2,3,4 5,6	
X1	Х		RED	5	120	LITHONIA	WLTE-W-1-R-EL	SINGLE SIDED WET LOCATION LED EXIT SIGN	DUALLITE, CHLORIDE, EVENLITE	STENCIL LETTERS	•	CS/WM		9"	13"	2.375"	1,2,3,4	,

LIGHTING SCHEDULE NOTES

- 2. PROVIDE FIXTURE WITH EMERGENCY BATTERY BACKUP DRIVER WHERE INDICATED AS EMERGENCY ON PLANS.
- 3. COORDINATE MOUNTING HARDWARE WITH CEILING/WALL TYPE AND ARCHITECTURAL DRAWINGS PRIOR TO ORDERING AND PROVIDE ACCORDINGLY. PROVIDE SLOPED CEILING ADAPTOR IN CEILING THAT SLOPE.

○ DETAIL NOTES

3 3" SPACING BETWEEN CONDUITS (TYPICAL).

6 RED MARKER TAPE ON COMPACTED FILL.

DUST OR RED TAPE.

NOTED ON PLANS.

5 3" SAND CUSHION.

DIRT/SAND OR 3000 LB. CONCRETE WHERE CONDUITS RUN UNDER ROADWAYS/DRIVEWAYS - MARK TOP WITH RED DYE, RED

2 UNDERGROUND CONDUIT. SIZE AS INDICATED ON PLANS.

4 DIRECT BURIAL DUCT "NO-CRETE" OR RIGID PVC. SIZE AS

GENERAL DETAIL NOTES

A APPROVED PREFABRICATED DUCT RUNS ARE ACCEPTABLE.

B PLACE PREFABRICATED DUCT BANKS ON 2" GRAVEL OR SAND.

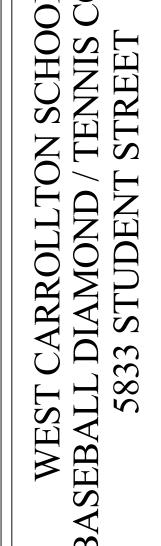
- 4. PROVIDE CUSTOM COLOR AS SELECTED BY ARCHITECT DURING SHOP DRAWING SUBMITTALS.
- 5. FIXTURE TO BE WET LISTED FOR EXTERIOR MOUNTING; PROVIDE ALL RECESSED BACK BOXES, WALL MOUNTING ACCESSORIES, FASTENERS AND SUPPORTS FOR PROPER MOUNTING OF FIXTURE.
- 6. PROVIDE FIXTURE COMPLETE WITH LENS, FUSING, COLD WEATHER DRIVER.

TOLDICTORIUS CUDICTORIUS CUDIC	
CHRISTOPHER	
* R.	
KAYLOR 69772	
KAYLOR 69772 GISTERED	
MONAL ENGLISH	
Christopher de Kaylor 2/1/2025	
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ONS:				

REVISIONS:				

PRINTING:				



DRAWING NUMBER

WEST BASEBALI	58	
CT NO: i.00 ED BY:	BY:	140/25

VACANCY VACANCY SENSOR (AS REQUIRED)	RROLLTON AMOND / TE
NTROL T LUMINAIRE(S)	ST CAJ
ADDITIONAL LV ON/OFF WALL STATION(S) AS REQUIRED FOR	WE BASEBA
MULTIPOINT CONTROL	

CONTROL 277V N UNIT LOW VOLTAGE ON/OFF WALL STATION

LV LOW VOLTAGE CABLE AS REQUIRED BY MANUFACTURER H HOT WIRE LINE VOLTAGE

GENERAL NOTES

A OPERATION INTENT IS FOR MANUAL ON/OFF AND SINGLE ZONE AUTO-OFF OPERATION OF ALL LIGHTS (VACANCY SIGNAL). CONTROL UNIT SHALL PROVIDE AN ON/OFF FOR ALL ZONES. WALL STATION(S) TO PROVIDE ON/OFF SWITCHES.

N NEUTRAL WIRE LINE VOLTAGE

- B CONTROL UNIT SHALL BE MOUNTED IN AN ENCLOSURE PER MANUFACTURER'S DIRECTION. MOUNT CONTROL UNIT ABOVE ACCESSIBLE CEILING AT ROOM ENTRY.
- C CONTRACTOR SHALL COORDINATE WITH MANUFACTURER FOR EXACT QUANTITY OF OCCUPANCY SENSORS (FOR COMPLETE ROOM COVERAGE) AND PROVIDE ANY ADDITIONAL COMPONENTS FOR A COMPLETE AND OPERABLE SYSTEM. COORDINATE COMPONENT MOUNTING LOCATIONS FOR PROPER CLEARANCE AND ACCESSIBILITY PRIOR TO ROUGH-IN. COORDINATE PROGRAMMING OF ZONES AND WALL STATION CONFIGURATIONS, AS SHOWN ON DRAWINGS, WITH
- D DETAIL IS SCHEMATIC IN NATURE. REFER TO MANUFACTURER'S WIRING DIAGRAMS FOR EXACT WIRING INFORMATION.
- **VACANCY SENSING SINGLE-ZONE**

TAMPED BACKFILL 2'-6" COVER

SMALL UNDERGROUND DUCTS

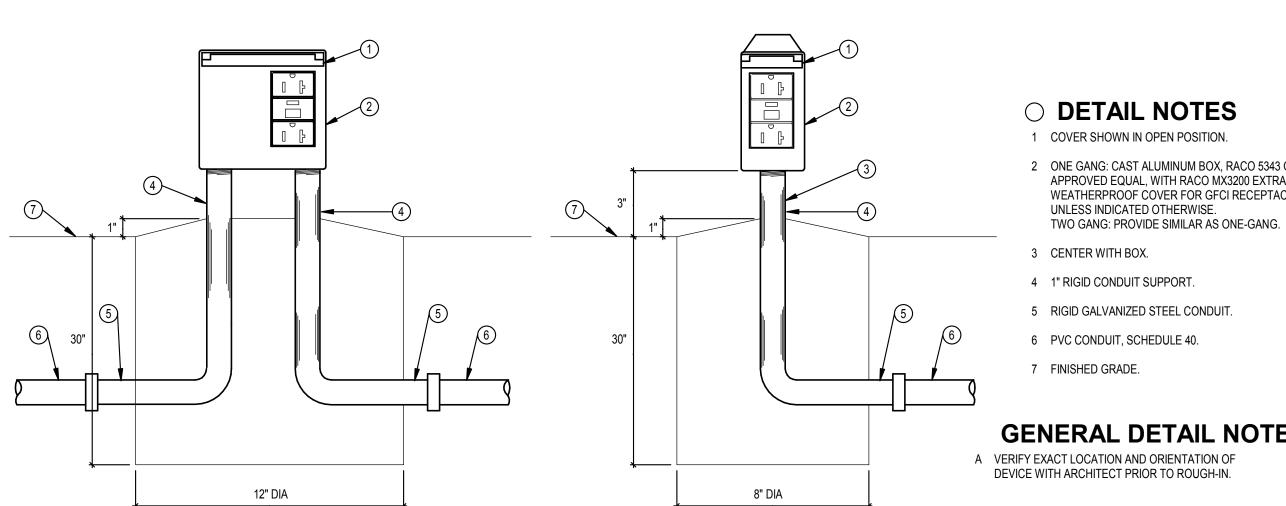
O DETAIL NOTES 4" CONCRETE WALLS-FOUR SIDES. 2 3/8" DIA. REINFORCED STEEL 10" CC BOTH WAYS.

- 1/4" CHECKERED STEEL PLATE. 4 2" L WELDED TO PLATE TWO SIDES ONLY - 1/4" CLEARANCE FIT. 5 UNDERGROUND DUCT OR DIRECT BURIAL CABLE AS INDICATED.
- 6 CONDUCTORS-LOOP/PULL OR SPLICE.

NUMBER

4/E002

2 SMALL GROUND PULLBOX SCALE: NONE



O DETAIL NOTES

1 5" CONCRETE WALLS, FOUR SIDES.

1/4" CHECKERED STEEL PLATE COVER.

5 UNDERGROUND DUCT-TURN UP @ 45 DEG.

6 CONDUCTORS-LOOP/PULL OR SPLICE.

7 CROSSWISE FOR SUPPORT.

1/2" DIA. REINFORCED STEEL-10"CC BOTH WAYS.

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

LIGHTING CONTROL SEQUENCE OF OPERATIONS

TIME CLOCK

WALL SWITCH DAYLIGHT SENSOR

OCCUPANCY SENSOR

| CONTROL | TYPICAL CONTROL TYPE OR

SPACE NAME

SINGLE ZONE VACANCY SENSING

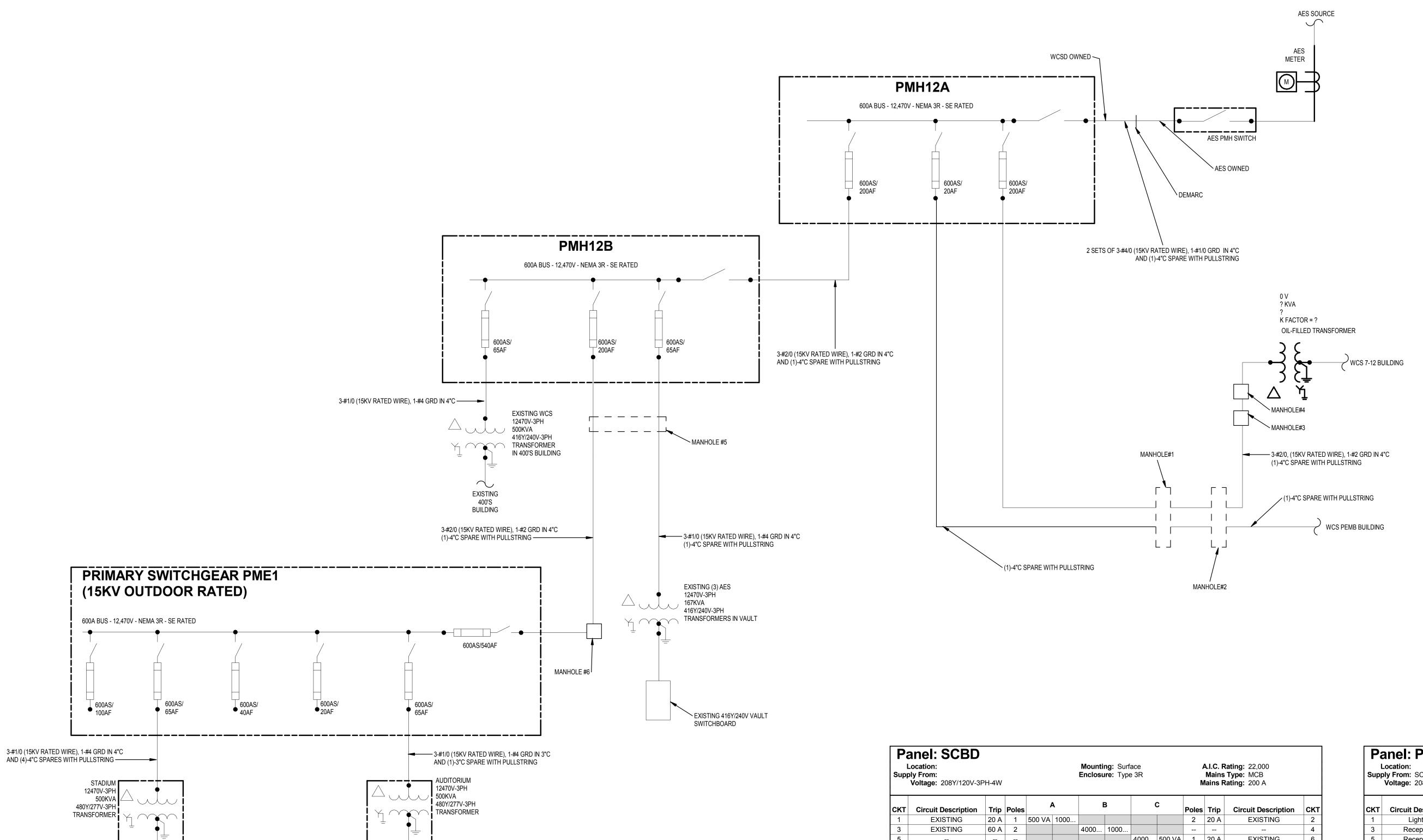
1 LARGE GROUND PULLBOX SCALE: NONE

NUMBER

○ DETAIL NOTES

- 1 COVER SHOWN IN OPEN POSITION. APPROVED EQUAL, WITH RACO MX3200 EXTRA-DUTY WEATHERPROOF COVER FOR GFCI RECEPTACLE UNLESS INDICATED OTHERWISE.
- 3 CENTER WITH BOX.
- 4 1" RIGID CONDUIT SUPPORT.
- 5 RIGID GALVANIZED STEEL CONDUIT. 6 PVC CONDUIT, SCHEDULE 40.

HEAPY E002



BREAKER

 $\overline{}$

EXISTING AUDITORIUM 800A

SWITCHGEAR

EXISTING 100A FUSED DISCONNECT

NEW 3-#10, 1-#10 GRD IN 0.75"C

➤ EXISTING 200A **FUSED**

DISCONNECT(1)

NEW 200A, 208Y/120V

SCBD

L - - - - - SPD SPD

MCB, NEMA 3R SCOREBOARD PANEL 2 3

100AS/ __100AF

EXISTING 480V-3PH 75KVA

EXISTING 208Y/120V, MLO

SCOREBOARD PANEL (1)

208Y/120V-3PH TRANSFORMER

○ SINGLE LINE NOTES

1. REMOVE EXISTING DISCONNECT AND SCOREBOARD PANEL, ALONG WITH ALL WIRING AND CONDUIT BACK TO 75KVA TRANSFORMER.

2. PROVIDE NEW WIRING AND SCOREBOARD PANEL, FED FROM EXISTING 75KVA TRANSFORMER AS INDICATED.

THE TOTAL LOAD OF THE EXISTING AND ADDED LOADS DOES NOT EXCEED THE OVERALL CAPACITY OF THE SYSTEM OR RATINGS OF THE UPSTREAM DISTRIBUTION EQUIPMENT.

SCOPE OF WORK

NEW 4-#4/0 AL, 1-#2 CU GRD IN 2.5"C

NEW 100A, 208V-3PH MCB

PRESSBOX PANEL, PB

NEW 4-#250KCMIL AL, 1-#4 CU GRD IN 3"C(2)

BREAKER 3

SINGLE LINE
SCALE: NONE

2 SETS OF 4-#350KCMIL, 1-#1/0 GRD IN 3"C

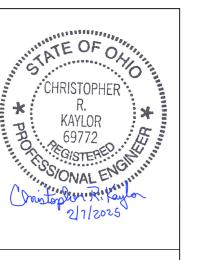
800A - 480Y/277V-3PH-4W

STADIUM SWITCHGEAR ③

800A-480Y/277V-3PH-4W

L Supp	anel: SCBD .ocation: ly From: Voltage: 208Y/120V-3F	PH-4W					ng: Surf ıre: Type				Mains	Rating: 2 Type: 1 Rating: 2	MCB	
СКТ	Circuit Description	Trip	Poles		4		В		С	Poles	Trip	Circu	it Description	СК
1	EXISTING	20 A	1	500 VA	1000					2	20 A		EXISTING	2
3	EXISTING	60 A	2			4000	1000							4
5								4000	500 VA	1	20 A	I	EXISTING	6
7	EXISTING	20 A	1	180 VA	500 VA					1	20 A	I	EXISTING	8
9	EXISTING	20 A	1			500 VA	500 VA			1	20 A	I	EXISTING	10
11	PB	100 A	3					4983	500 VA	1	20 A	I	EXISTING	12
13				4658	360 VA					1	20 A	F	R-TENNIS	14
15						4298	360 VA			1	20 A	F	R-TENNIS	16
17	Spare	20 A	1					0 VA	0 VA	3	60 A		Spare	18
19	Spare	20 A	1	0 VA	0 VA									20
21	Spare	20 A	1			0 VA	0 VA							22
23	Spare	20 A	1					0 VA	0 VA	1	20 A		Spare	24
25	Spare	20 A	1	0 VA	0 VA					1	20 A		Spare	26
27	Spare	20 A	1			0 VA	0 VA			1	20 A		Spare	28
29	Spare	20 A	1					0 VA	0 VA	1	20 A		Spare	30
31	Spare	20 A	1	0 VA	0 VA					1	20 A		Spare	32
33	Spare	20 A	1			0 VA	0 VA			1	20 A		Spare	34
35	Spare	20 A	1					0 VA	0 VA	1	20 A		Spare	36
37	Spare	20 A	3	0 VA	0 VA					3	30 A		SPD	38
39						0 VA	0 VA							40
41								0 VA	0 VA					42
		Total	Load:	7.20	kVA	10.66	kVA	9.98	kVA		l			
Load	Classification			Connecte	ed D	emand F	actor	Estimat	ted			Panel	Totals	
Lightir	ng			372 V	4	125.00	1%	465 \	/A					
Recep	otacle			14286 \	/A	85.00%		12143 VA		Total Conn. Load:			27.84 kVA	
EXISTI	NG			13180 \	/A	100.00	1%	13180 VA		Total	Est. De	emand:	25.79 kVA	
											Total	Conn.:	77 A	
										Total	Est. De	emand:	72 A	
Notes	: [GF] - GFCI BREAKE	R												
	TOTAL CONNEC	TFD									FQT	ΓΙΜΔΤΕ	D DEMAND	
	27.84 kVA									ESTIMATED DEMAND 25.79 kVA (72 A)				

Supp	ocation: ly From: SCBD Voltage: 208Y/120V-3F	PH-4W				Mounti Enclosu	ng: Surf I re: Type				Mains	Rating: 2 Type: I Rating:	ИCВ	
СКТ	Circuit Description	Trip	Poles	s A		В		С		Poles	Trip	Circu	it Description	CK
1	Lighting	20 A	1	274 VA	180 VA					1	20 A	F	Receptacle	2
3	Receptacle	20 A	1			180 VA	180 VA			1	20 A	R	-BB PBOX	4
5	Receptacle	20 A	1					180 VA	180 VA	1	20 A	F	Receptacle	6
7	Receptacle	20 A	1	180 VA	180 VA					1	20 A	F	Receptacle	8
9	Receptacle	20 A	1			180 VA	769 VA			1	20 A	R-E	B DUGOUT	10
11	R-BB DUGOUT	20 A	1					769 VA	3169	3	40 A	W	ELL PUMP	12
13	SCOREBOARD	20 A	1	1000	3169									14
15	IRR CTRL	20 A	1			180 VA	3169							16
17	Spare	20 A	1					0 VA	0 VA	1	20 A		Spare	18
19	Spare	20 A	1	0 VA	0 VA					1	20 A		Spare	20
21	Spare	20 A	1			0 VA	0 VA			1	20 A		Spare	22
23	Spare	20 A	1					0 VA	0 VA	1	20 A		Spare	24
25	Spare	20 A	1	0 VA	0 VA					1	20 A		Spare	26
27	Spare	20 A	1			0 VA	0 VA			1	20 A		Spare	28
29	Spare	20 A	1					0 VA	0 VA	1	20 A		Spare	30
		Total	Load:	4.98	kVA	4.66	kVA	4.30	kVA					<u>'</u>
Load	Classification		(Connecte	ed D	emand F	actor	Estimat	ed			Panel	Totals	
Lightir	ng			372 V	Α	125.00	%	465 V	/A					
Recep	otacle			13566 V	/A	86.86°	%	11783	VA	Tota	I Conn	. Load:	13.94 kVA	
										Total	Est. Do	emand:	12.25 kVA	
											Total	Conn.:	39 A	
										Total	Est. Do	emand:	34 A	
Notes														
	TOTAL CONNEC 13.94 kVA	TED									12		DEMAND	

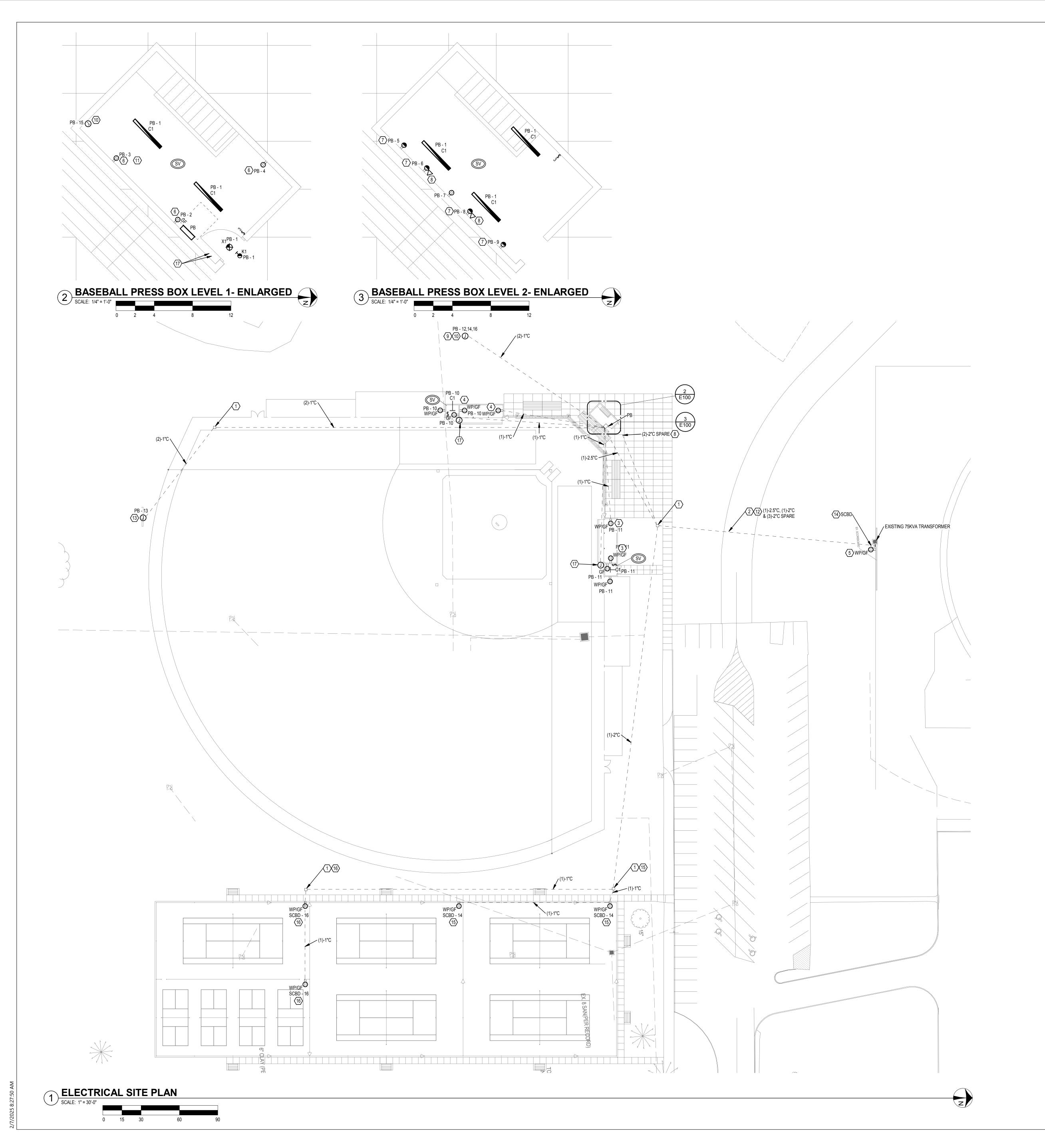


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WEST CARROLLTON SCHOOLS
SEBALL DIAMOND / TENNIS COUR
5833 STUDENT STREET

DRAWING NUMBER

THEAPY E003



GENERAL NOTES

- A. ALL UNDERGROUND CONDUITS/DUCTBANKS SHALL BE SCHEDULE 40 PVC PER DETAIL(S) AS SPECIFIED ON PLAN AND SHALL HAVE LONG SWEEPING BENDS. ALL CONDUIT SHALL BE 1" MINIMUM UNLESS INDICATED OTHERWISE. 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. ALL 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.E.C. SHALL UTILIZE COMMON TRENCHES
- B. ALL EXPOSED CONDUIT ABOVE GRADE WILL BE RIGID GALVANIZED METALIC WITH ALL STEEL FITTINGS, PAINTED TO MATCH SURFACES ON WHICH THEY ARE MOUNTED.
- C. 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.
- E. ELECTRICAL SITE PLAN IS SCHEMATIC IN NATURE; SEE CIVIL DRAWINGS FOR EXACT LOCATIONS OF UNDERGROUND CONDUITS/TRENCHES/ELECTRIC/ETC...
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL GOVERNING CODES/STANDARDS AND THE NEC FOR A COMPLETE AND OPERATIONAL INSTALLATION.
- 6. ALL EXTERIOR MOUNTED CONDUIT SHALL BE SEALED WATER AND MOISTURE TIGHT. ALL EXTERIOR MOUNTED DEVICES SHALL BE WEATHERPROOF NEMA 3R, UNLESS OTHERWISE NOTED.
- I. THIS CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND PERMISSIONS FROM THE AHJ PRIOR TO THE EXECUTION OF ANY WORK.

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

○ PLAN NOTES

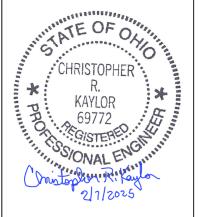
AND PROVIDE ACCORDINGLY.

- FLUSH GRADE PULLBOX ENCLOSURE WITH GREEN CONCRETE COVER WITH APPROPRIATE LOGO, PER DETAILS 1&2, ON SHEET E002. PULLBOX SHALL HAVE APPROPRIATE VOLTAGE BARRIERS FOR WIRING WITH DIFFERENT VOLTAGES AND LABELS ON WIRING TO INDICATE BRANCH CIRCUITS.
- 2. PROVIDE CONDUITS AS INDICATED FOR POWER/DATA ALONG WITH (3)-2"C SPARE WITH PULLSTRINGS STUBBED INTO PULLBOX FROM SCOREBOARD PANEL. COORDINATE EXACT STUB UP LOCATIONS/ROUTING WITH OTHER TRADES AND ARCHITECT PRIOR TO ROUGH-IN AND PROVIDE
- PROVIDE WEATHERPROOF, GFCI RECEPTACLE IN DUGOUT WITH 2-#10, 1-#10 GRD IN 1"C. TRANSITION TO 2-#12, 1-#12 GRD IN DUGOUT AREA. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION OF RECEPTACLE WITH ARCHITECT PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY.
- 4. PROVIDE WEATHERPROOF, GFCI RECEPTACLE IN DUGOUT WITH 2-#6, 1-#6 GRD IN 1"C. TRANSITION TO 2-#12, 1-#12 GRD IN DUGOUT AREA. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION OF RECEPTACLE WITH ARCHITECT PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY.
- PROVIDE WEATHERPROOF, GFCI RECEPTACLE IN SAME LOCATION AS EXISTING RECEPTACLE UNDER SCOREBOARD PANEL. REPLACE AND RECONNECT IN SAME LOCATION.
- PROVIDE RECEPTACLE ON FIRST FLOOR OF BASEBALL PRESSBOX AT APPROXIMATELY 18"MH.
 COORDINATE EXACT MOUNTING HEIGHT AND LOCATION OF RECEPTACLE WITH ARCHITECT PRIOR TO
 ROUGH-IN AND PROVIDE ACCORDINGLY.
- 7. PROVIDE RECEPTACLE ON SECOND FLOOR OF BASEBALL PRESSBOX AT APPROXIMATELY 46"MH. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION OF RECEPTACLE WITH ARCHITECT PRIOR TO
- ROUGH-IN AND PROVIDE ACCORDINGLY.

 8. PROVIDE DATA OUTLET ON SECOND FLOOR OF BASEBALL PRESSBOX AT APPROXIMATELY 46"MH ALONG WITH (1)-1"C WITH PULLSTRING FROM OUTLET OUT OF BUILDING, AND TRANSITIONING TO (1)-2"C WITH PULLSTRING FROM BUILDING TO PULLBOX. COORDINATE EXACT MOUNTING HEIGHT AND
- DOCATION OF DATA OUTLET WITH ARCHITECT PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY.

 9. PROVIDE 40A, 208V-3PH CIRCUIT FOR IRRIGATION WELL PUMP WITH 3-#8, 1-#10GRD IN 1"C, IN ADDITION TO (1)-1"C WITH PULLSTRING FOR IRRIGATION CONTROLS. COORDINATE EXACT ELECTRICAL WIRING (INCLUDING CONTROL WIRING) AND LOCATION WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN
- 10. PROVIDE 20A, 120V-1PH CIRCUIT FOR IRRIGATION CONTROLLER WITH 2-#12, 1-#12GRD IN 0.75"C. IRRIGATION CONTROLLER IS TO BE PROVIDED AND MOVED FROM STADIUM BY OWNER. E.C. SHALL INSTALL AND CONNECT ALL WIRING. COORDINATE EXACT ELECTRICAL WIRING AND LOCATION WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY.
- 11. PROVIDE NEW 100A, 208V-3PH-4W MCB PANEL, PB, IN BASEBALL PRESSBOX AND FEED FROM THE SCBD PANEL. REFER TO SINGLE LINE ON SHEET E003 FOR MORE INFORMATION.
- 12. RUN BRANCH CIRCUITS BETWEEN PULLBOXES AND PANELS IN COMMON 2" CONDUIT. FEEDER CIRCUITS SHALL BE RUN IN DEDICATED CONDUITS.
- 13. PROVIDE 20A, 120V-1PH CIRCUIT FOR BASEBALL SCOREBOARD WITH 2-#6, 1-#6GRD IN 1"C, IN ADDITION TO (1)-1"C SPARE WITH PULLSTRING. COORDINATE EXACT ELECTRICAL WIRING AND LOCATION WITH ARCHITECT AND MANUFACTURER'S RECOMMENDATIONS PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY.
- 14. REPLACE EXISTING SCOREBOARD PANEL WITH NEW IN SAME LOCATION. PROVIDE NEW WIRING FROM EXISTING TRANSFORMER TO NEW SCBD PANEL AS INDICATED ON SINGLE LINE ON SHEET E003.
- 15. PROVIDE WEATHERPROOF, GFCI RECEPTACLE AT TENNIS COURT WITH 2-#6, 1-#6 GRD IN 1"C. TRANSITION TO 2-#10, 1-#10 GRD IN PULLBOX. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION OF RECEPTACLE WITH ARCHITECT PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY. REFER TO DETAIL 5 ON SHEET E002 FOR MORE INFORMATION. DUE TO THE LONG DISTANCE AND POTENTIAL HIGH VOLTAGE DROP, THIS CIRCUIT IS DESIGNED TO FUNCTION FOR CONVENIENCE AND ONLY ACCOMMODATE 5A. LABEL RECEPTACLES WITH "MAXIMUM LOAD ON INDIVIDUAL RECEPTACLE SHALL BE 300W".
- 16. PROVIDE WEATHERPROOF, GFCI RECEPTACLE AT TENNIS COURT WITH 2-#4, 1-#4 GRD IN 1"C. TRANSITION TO 2-#10, 1-#10 GRD IN PULLBOX. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION OF RECEPTACLE WITH ARCHITECT PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY. REFER TO DETAIL 5 ON SHEET E002 FOR MORE INFORMATION. DUE TO THE LONG DISTANCE AND POTENTIAL HIGH VOLTAGE DROP, THIS CIRCUIT IS DESIGNED TO FUNCTION FOR CONVENIENCE AND ONLY ACCOMMODATE 5A. LABEL RECEPTACLES WITH "MAXIMUM LOAD ON RECEPTACLE SHALL BE 300W".
- 17. PROVIDE (1) 1-GANG BOX ON THE EXTERIOR OF EACH OF THE DUGOUT STORAGE ROOMS (APPROX. 12" ABOVE THE DOOR), WITH (1)-1"C WITH PULLSTRING RUN FROM EACH EXTERIOR BOX TO THE LOCATION INDICATED ON THE FIRST FLOOR OF THE PRESSBOX. THE (2)-1"C SHALL BE STUBBED UP 8" ABOVE SLAB AND CAPPED. BOXES AND CONDUIT TO SERVE FUTURE SPEAKER SYSTEM. COORDINATE EXACT MOUNTING HEIGHTS AND LOCATIONS OF BOXES WITH ARCHITECT PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY.

DAYS BEFORE YOU DIG



REVISIONS:

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EST CARROLLTON SCHOOLS
ALL DIAMOND / TENNIS COU
5833 STUDENT STREET

CHECKED BY:
CRK
DRAWN BY:
MPH
DATE: 2/10/25

CALL 811
MINIMUM 2 WORK

DRAWING NUMBER

UTILITIES PROTECTION SERVICE HEAPY
PROJECT NO. 2025 06007