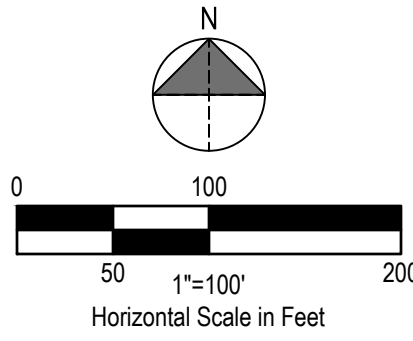
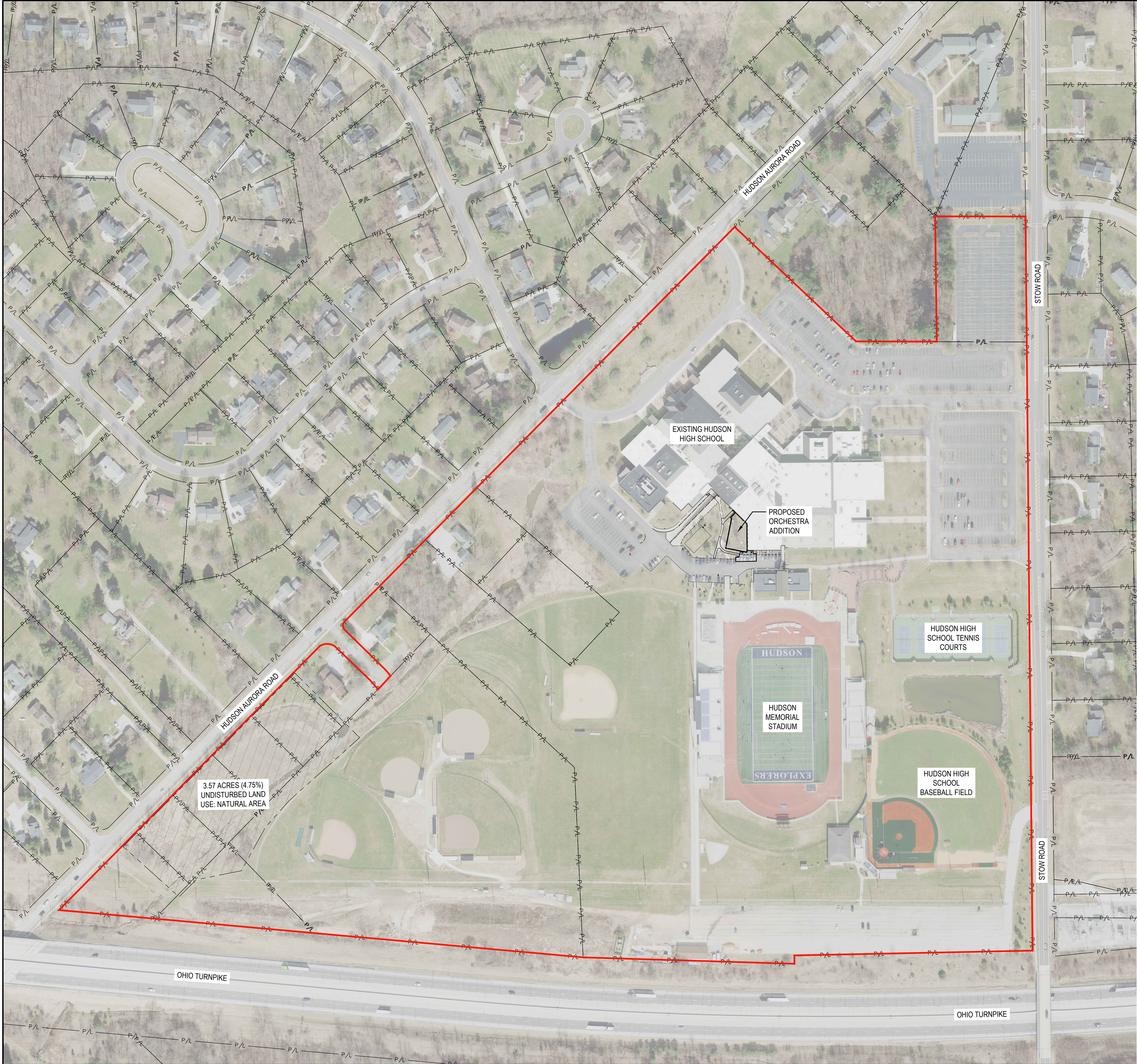


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May 16, 2025 12:48 PM - KSanelli



SITE DATA TABLE	
PARCEL TOTAL AREA	75.1471 AC.
PRE-DEVELOPMENT IMPERVIOUS AREA	28.89 AC. (38.44%)
POST-DEVELOPMENT IMPERVIOUS AREA	28.99 AC. (38.58%)
BUILDING COVERAGE	5.45 AC. (7.25%)
TOTAL FLOOR AREA TO LOT AREA RATIO	1.13.8



DESCRIPTION

DATE

REV

HUDSON HIGH SCHOOL - ORCHESTRA ADDITION  
2500 HUDSON AURORA RD. HUDSON, OH 44236

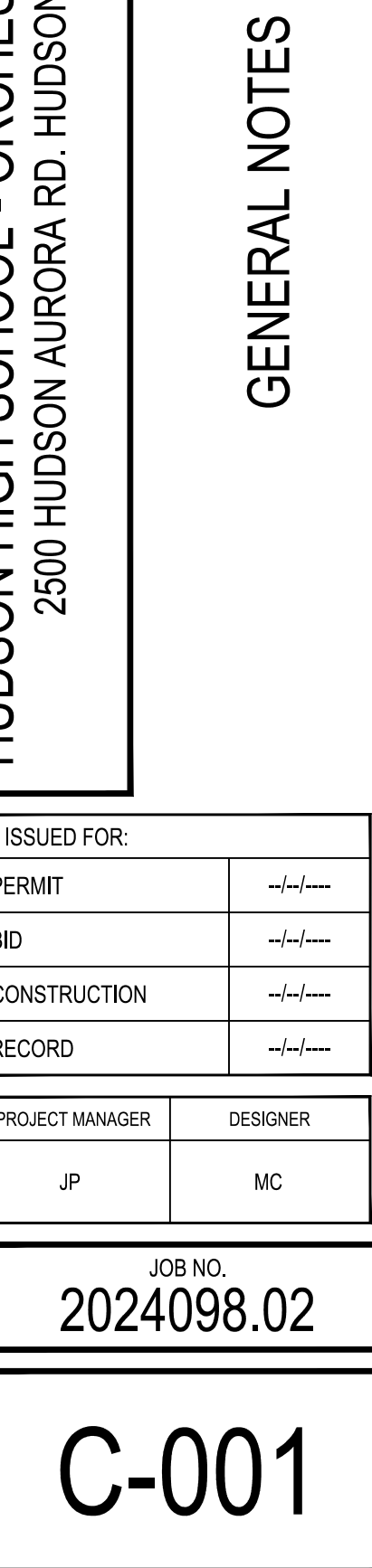
OVERALL PLAN

ISSUED FOR:	
PERMIT	noted/none
BID	noted/none
CONSTRUCTION	noted/none
RECORD	noted/none
PROJECT MANAGER	DESIGNER

JOB NO.  
2024098.02

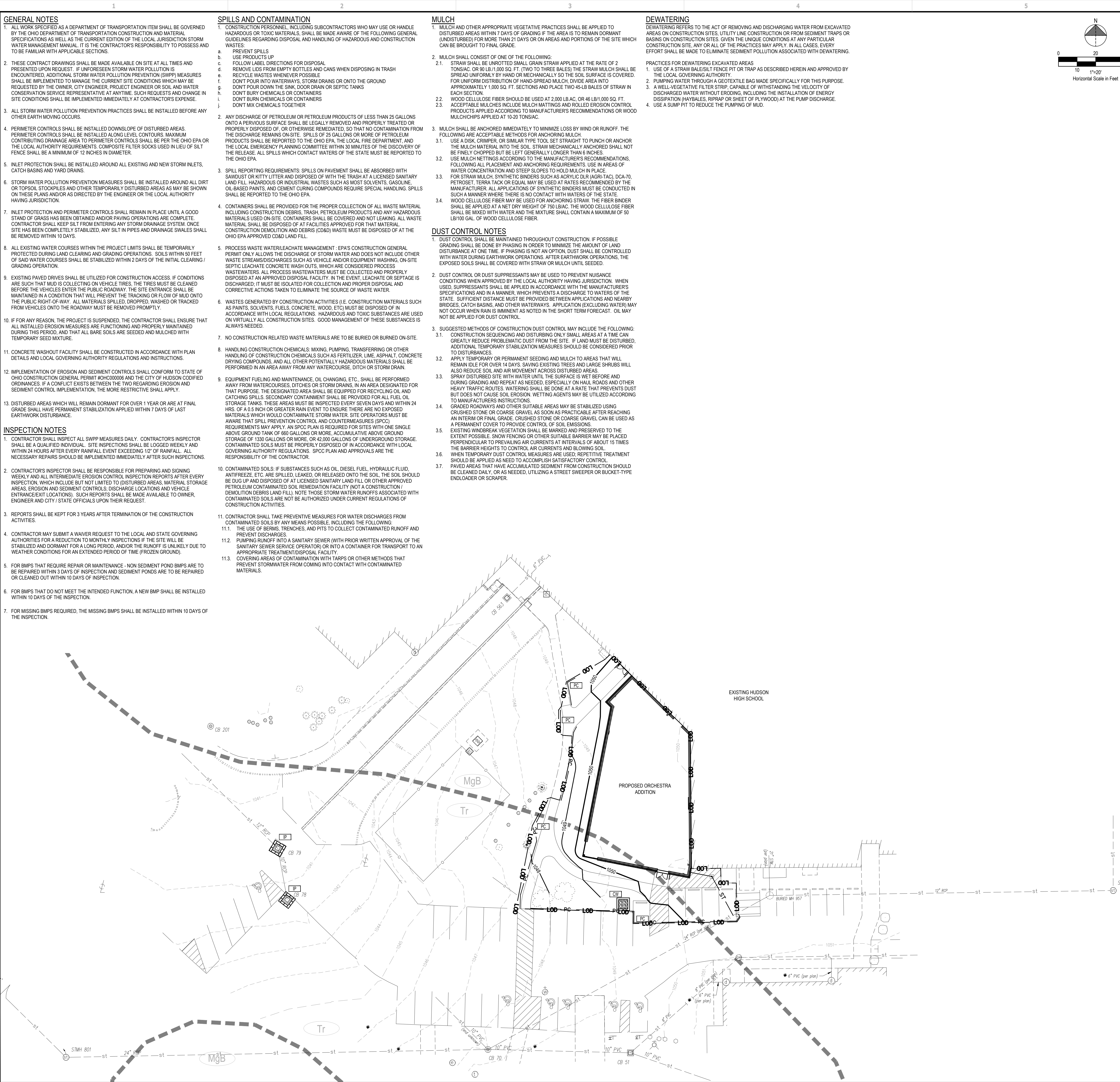
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May 16, 2025 12:48 PM - K Sarrell



### GENERAL NOTES

- ALL WORK SPECIFIED AS A DEPARTMENT OF TRANSPORTATION ITEM SHALL BE GOVERNED BY THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS AS WELL AS THE CURRENT EDITION OF THE LOCAL JURISDICTION STORM WATER MANAGEMENT MANUAL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO POSSESS AND TO BE FAMILIAR WITH APPLICABLE SECTIONS.
- THESE CONTRACT DRAWINGS SHALL BE MADE AVAILABLE ON SITE AT ALL TIMES AND PRESENTED UPON REQUEST. IF UNFORESEEN STORM WATER POLLUTION IS ENCOUNTERED, ADDITIONAL STORM WATER POLLUTION PREVENTION (SWPP) MEASURES SHALL BE IMPLEMENTED TO MANAGE THE CURRENT SITE CONDITIONS WHICH MAY BE REQUESTED BY THE OWNER, CITY ENGINEER, PROJECT ENGINEER OR SOIL AND WATER CONSERVATION SERVICE REPRESENTATIVE AT ANYTIME. SUCH CHANGES AND CHANGE IN SITE CONDITIONS SHALL BE IMPLEMENTED IMMEDIATELY AT CONTRACTOR'S EXPENSE.
- ALL STORM WATER POLLUTION PREVENTION PRACTICES SHALL BE INSTALLED BEFORE ANY OTHER EARTH MOVING OCCURS.
- PERIMETER CONTROLS SHALL BE INSTALLED DOWNSLOPE OF DISTURBED AREAS. PERIMETER CONTROLS SHALL BE INSTALLED ALONG LEVEL TERRAIN. MAXIMUM CONTRIBUTING DRAINAGE AREA TO PERIMETER CONTROLS SHALL BE PER THE OHIO EPA OR THE LOCAL AUTHORITY REQUIREMENTS. COMPOSITE FILTER SOCKS USED IN LIEU OF SILT FENCE SHALL BE A MINIMUM OF 12 INCHES IN DIAMETER.
- INLET PROTECTION SHALL BE INSTALLED AROUND ALL EXISTING AND NEW STORM INLETS, CATCH BASINS AND YARD DRAINS.
- STORM WATER POLLUTION PREVENTION MEASURES SHALL BE INSTALLED AROUND ALL DIRT OR TOPSOIL STOCKPILES AND OTHER TEMPORARILY DISTURBED AREAS AS MAY BE SHOWN ON THESE PLANS AND/OR AS DIRECTED BY THE ENGINEER OR THE LOCAL AUTHORITY HAVING JURISDICTION.
- INLET PROTECTION AND PERIMETER CONTROLS SHALL REMAIN IN PLACE UNTIL A GOOD STAND OF GRASS HAS BEEN OBTAINED AND/OR PAVING OPERATIONS ARE COMPLETE. CONTRACTOR SHALL KEEP SILT FROM ENTERING ANY STORM DRAINAGE SYSTEM. ONCE SITE HAS BEEN COMPLETELY STABILIZED, ANY SILT IN PIPES AND DRAINAGE SWALES SHALL BE REMOVED WITHIN 10 DAYS.
- ALL EXISTING WATER COURSES WITHIN THE PROJECT LIMITS SHALL BE TEMPORARILY PROTECTED DURING LAND CLEARING AND GRADING OPERATIONS. SOILS WITHIN 50 FEET OF SAID WATER COURSES SHALL BE STABILIZED WITHIN 2 DAYS OF THE INITIAL CLEARING / GRADING OPERATION.
- EXISTING PAVED DRIVES SHALL BE UTILIZED FOR CONSTRUCTION ACCESS. IF CONDITIONS ARE SUCH THAT MUD IS COLLECTING ON VEHICLE TIRES, THE TIRES MUST BE CLEANED BEFORE THE VEHICLE ENTERS THE PUBLIC ROADWAY. THE SITE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT THE TRACKING OF MUD ONTO THE PUBLIC RIGHT-OF-WAY. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO THE ROADWAY MUST BE REMOVED PROMPTLY.
- IF FOR ANY REASON, THE PROJECT IS SUSPENDED, THE CONTRACTOR SHALL ENSURE THAT ALL INSTALLED EROSION MEASURES ARE FUNCTIONING AND PROPERLY MAINTAINED DURING THIS PERIOD, AND THAT ALL BARE SOILS ARE SEEDED AND MULCHED WITH TEMPORARY SEED MIXTURE.
- CONCRETE WASHOUT FACILITY SHALL BE CONSTRUCTED IN ACCORDANCE WITH PLAN DETAILS AND LOCAL GOVERNING AUTHORITY REGULATIONS AND INSTRUCTIONS.
- IMPLEMENTATION OF EROSION AND SEDIMENT CONTROLS SHALL CONFORM TO STATE OF OHIO CONSTRUCTION GENERAL PERMIT #OH000006 AND THE CITY OF HUDSON CODIFIED ORDINANCES. IF A CONFLICT EXISTS BETWEEN THE TWO REGARDING EROSION AND SEDIMENT CONTROL IMPLEMENTATION, THE MORE RESTRICTIVE SHALL APPLY.
- DISTURBED AREAS WHICH WILL REMAIN DORMANT FOR OVER 1 YEAR OR ARE AT FINAL GRADE SHALL HAVE PERMANENT STABILIZATION APPLIED WITHIN 7 DAYS OF LAST EARTHWORK DISTURBANCE.

### INSPECTION NOTES

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

### SPLILLS AND CONTAMINATION

- CONSTRUCTION PERSONNEL, INCLUDING SUBCONTRACTORS WHO MAY USE OR HANDLE HAZARDOUS OR TOXIC MATERIALS, SHALL BE MADE AWARE OF THE FOLLOWING GENERAL GUIDELINES REGARDING DISPOSAL AND HANDLING OF HAZARDOUS AND CONSTRUCTION WASTES.
  - PREVENT SPLILLS
  - USE PRODUCTS UP
  - FOLLOW LABEL DIRECTIONS FOR DISPOSAL
  - REMOVE LIDS FROM EMPTY BOTTLES AND CANS WHEN DISPOSING IN TRASH
  - RECYCLE WASTES WHENEVER POSSIBLE
  - DONT POUR INTO WATERWAYS, STORM DRAINS OR ONTO THE GROUND
  - DONT POUR DOWN THE SINK, DOOR DRAIN OR SEPTIC TANKS
  - DO NOT DISPOSE OF WASTE IN ANY OF THE FOLLOWING LOCATIONS:
    - UNDERGROUND STORAGE TANKS OR CONTAINERS
    - DONT BURN CHEMICALS OR CONTAINERS
    - DONT MIX CHEMICALS TOGETHER
- ANY DISCHARGE OF PETROLEUM OR PETROLEUM PRODUCTS OF LESS THAN 25 GALLONS ONTO A PERVIOUS SURFACE SHALL BE LEGALLY REMOVED AND PROPERLY TREATED OR PROPERLY DISPOSED OF, OR OTHERWISE REMEDIATED, SO THAT NO CONTAMINATION FROM THE DISCHARGE REMAINS ON-SITE. SPLILLS OF 25 GALLONS OR MORE OF PETROLEUM PRODUCTS SHALL BE REPORTED TO THE OHIO EPA, THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MINUTES OF THE DISCOVERY OF THE RELEASE. ALL SPLILLS WHICH CONTACT WATERS OF THE STATE MUST BE REPORTED TO THE OHIO EPA.
- SPLILL REPORTING REQUIREMENTS: SPLILLS ON PAVEMENT SHALL BE ABSORBED WITH SAWDUST OR KITTY LITTER AND DISPOSED OF WITH THE TRASH AT A LICENSED SANITARY LAND FILL. HAZARDOUS OR INDUSTRIAL WASTES SUCH AS MOST SOLVENTS, GASOLINE, OIL-BASED PAINTS, AND CEMENT CURING COMPOUNDS REQUIRE SPECIAL HANDLING. SPLILLS SHALL BE REPORTED TO THE OHIO EPA.
- CONTAINERS SHALL BE PROVIDED FOR THE PROPER COLLECTION OF ALL WASTE MATERIAL INCLUDING CONSTRUCTION DEBRIS, TRASH, PETROLEUM PRODUCTS AND ANY HAZARDOUS MATERIALS USED ON-SITE. CONTAINERS SHALL BE COVERED AND NOT LEAKING. ALL WASTE MATERIAL SHALL BE DISPOSED OF AT FACILITIES APPROVED FOR THAT MATERIAL. CONSTRUCTION DEMOLITION AND DEBRIS (CDD&) WASTE MUST BE DISPOSED OF AT THE OHIO EPA APPROVED CDD& LAND FILL.
- PROCESS WASTE WATER/LEACHATE MANAGEMENT - EPA'S CONSTRUCTION GENERAL PERMIT ONLY ALLOWS THE DISCHARGE OF STORM WATER AND DOES NOT INCLUDE OTHER WASTE STREAMS/DISCHARGES SUCH AS VEHICLE AND EQUIPMENT WASHING, ON-SITE SEPTIC LEACHATE CONCRETE WASH OUTS, WHICH ARE CONSIDERED PROCESS WASTEWATERS. ALL PROCESS WASTEWATERS MUST BE COLLECTED AND PROPERLY DISPOSED AT AN APPROVED DISPOSAL FACILITY. IN THE EVENT LEACHATE OR SEWAGE IS DISCHARGED, IT MUST BE ISOLATED FOR COLLECTION AND PROPER DISPOSAL AND CORRECTIVE ACTIONS TAKEN TO ELIMINATE THE SOURCE OF WASTE WATER.
- WASTES GENERATED BY CONSTRUCTION ACTIVITIES (I.E. CONSTRUCTION MATERIALS SUCH AS PAINTS, SOLVENTS, FUELS, CONCRETE, WOOD, ETC) MUST BE DISPOSED OF IN ACCORDANCE WITH LOCAL REGULATIONS. HAZARDOUS AND TOXIC SUBSTANCES ARE USED ON VIRTUALLY ALL CONSTRUCTION SITES. GOOD MANAGEMENT OF THESE SUBSTANCES IS ALWAYS NEEDED.
- NO CONSTRUCTION RELATED WASTE MATERIALS ARE TO BE BURIED OR BURNED ON-SITE.
- HANDLING CONSTRUCTION CHEMICALS: MIXING, PUMPING, TRANSFERRING OR OTHER HANDLING OF CONSTRUCTION CHEMICALS SUCH AS FERTILIZER, LIME, ASPHALT, CONCRETE DRYING COMPOUNDS, AND ALL OTHER POTENTIALLY HAZARDOUS MATERIALS SHALL BE PERFORMED IN AN AREA AWAY FROM ANY WATERCOURSE, DITCH OR STORM DRAIN.
- EQUIPMENT FUELING AND MAINTENANCE, OIL CHANGING, ETC., SHALL BE PERFORMED AWAY FROM WATERCOURSES, DITCHES OR STORM DRAINS, IN AN AREA DESIGNATED FOR THAT PURPOSE. THE DESIGNATED AREA SHALL BE EQUIPPED FOR RECYCLING OIL AND CATCHING SPLILLS. SECONDARY CONTAINMENT SHALL BE PROVIDED FOR ALL FUEL OIL STORAGE TANKS. THESE AREAS MUST BE INSPECTED EVERY SEVEN DAYS AND WITHIN 24 HRS. OF A 0.5 INCH OR GREATER RAIN EVENT TO ENSURE THERE ARE NO EXPOSED MATERIALS WHICH WOULD CONTAMINATE STORM WATER. SITE OPERATORS MUST BE AWARE THAT SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) REQUIREMENTS MAY APPLY. AN SPCC PLAN IS REQUIRED FOR SITES WITH ONE SINGLE ABOVE GROUND TANK OF 660 GALLONS OR MORE, ACCUMULATIVE ABOVE GROUND STORAGE OF 1320 GALLONS OR MORE, OR 42,000 GALLONS OF UNDERGROUND STORAGE. CONTAMINATED SOILS MUST BE PROPERLY DISPOSED OF IN ACCORDANCE WITH LOCAL GOVERNING AUTHORITY REGULATIONS. SPCC PLAN AND APPROVALS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTAMINATED SOILS: IF SUBSTANCES SUCH AS OIL, DIESEL FUEL, HYDRAULIC FLUID, ANTIFREEZE, ETC. ARE SPILLED, LEAKED, OR RELEASED ONTO THE SOIL, THE SOIL SHOULD BE DUG UP AND DISPOSED OF AT LICENSED SANITARY LAND FILL OR OTHER APPROVED PETROLEUM CONTAMINATED SOIL REMEDIATION FACILITY (NOT A CONSTRUCTION / DEMOLITION DEBRIS LAND FILL). NOTE THOSE STORM WATER RUNOFFS ASSOCIATED WITH CONTAMINATED SOILS ARE NOT BE AUTHORIZED UNDER CURRENT REGULATIONS OF CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL TAKE PREVENTIVE MEASURES FOR WATER DISCHARGES FROM CONTAMINATED SOILS BY ANY MEANS POSSIBLE, INCLUDING THE FOLLOWING:
  - THE USE OF BERMS, TRENCHES, AND PITS TO COLLECT CONTAMINATED RUNOFF AND PREVENT DISCHARGES.
  - PUMPING RUNOFF INTO A SANITARY SEWER (WITH PRIOR WRITTEN APPROVAL OF THE SANITARY SEWER SERVICE OPERATOR) OR INTO A CONTAINER FOR TRANSPORT TO AN APPROPRIATE TREATMENT/DISPOSAL FACILITY.
  - COVERING AREAS OF CONTAMINATION WITH TARPS OR OTHER METHODS THAT PREVENT STORMWATER FROM COMING INTO CONTACT WITH CONTAMINATED MATERIALS.

### MULCH

- MULCH AND OTHER APPROPRIATE VEGETATIVE PRACTICES SHALL BE APPLIED TO DISTURBED AREAS WITHIN 7 DAYS OF GRADING IF THE AREA IS TO REMAIN DORMANT (UNDISTURBED) FOR MORE THAN 21 DAYS OR ON AREAS AND PORTIONS OF THE SITE WHICH CAN BE BROUGHT TO FINAL GRADE.
- MULCH SHALL CONSIST OF ONE OF THE FOLLOWING:
  - STRAW SHALL BE UNNOTTED SMALL GRAM STRAW APPLIED AT THE RATE OF 2 TONS/AC, OR 80 LB / 1,000 SQ. FT. (TWO TO THREE BALES) THE STRAW MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THE SOIL SURFACE IS COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQ. FT. SECTIONS AND PLACE TWO 45-LB BALES OF STRAW IN EACH SECTION.
  - WOOD CELLULOSE FIBER SHOULD BE USED AT 2,000 LB/AC, OR 46 LB/1,000 SQ. FT. ACCEPTABLE MULCHES INCLUDE MULCH MATTINGS AND ROLLED EROSION CONTROL PRODUCTS APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD MULCH/CHIPS APPLIED AT 10-20 TONS/AC.
- MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR RUNOFF. THE FOLLOWING ARE ACCEPTABLE METHODS FOR ANCHORING MULCH:
  - USE A DISK, CRIMPER, OR SIMILAR TYPE TOOL SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT BE LEFT GENERALLY LONGER THAN 6 INCHES.
  - USE MULCH NETTINGS ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, FOLLOWING ALL PLACEMENT AND ANCHORING REQUIREMENTS. USE IN AREAS OF WATER CONCENTRATION AND STEEP SLOPES TO HOLD MULCH IN PLACE.
  - FOR STRAW MULCH, SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (ACR-TAC), DCA-70, PETROSET, TERRA TACK OR EQUAL MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER. ALL APPLICATIONS OF SYNTHETIC BINDERS MUST BE CONDUCTED IN SUCH A MANNER WHERE THERE IS NO CONTACT WITH WATERS OF THE STATE.
  - WOOD CELLULOSE FIBER MAY BE USED FOR ANCHORING STRAW. THE FIBER BINDER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 LB/AC. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB/100 GAL. OF WOOD CELLULOSE FIBER.

### DEWATERING

DEWATERING REFERS TO THE ACT OF REMOVING AND DISCHARGING WATER FROM EXCAVATED AREAS ON CONSTRUCTION SITES, UTILITY LINE CONSTRUCTION OR FROM SEDIMENT TRAPS OR BASINS ON CONSTRUCTION SITES. GIVEN THE UNIQUE CONDITIONS AT ANY PARTICULAR CONSTRUCTION SITE, ANY OR ALL OF THE PRACTICES MAY APPLY. IN ALL CASES, EVERY EFFORT SHALL BE MADE TO ELIMINATE SEDIMENT POLLUTION ASSOCIATED WITH DEWATERING.

PRACTICES FOR DEWATERING EXCAVATED AREAS

- USE OF A STRAW BALE/SILT FENCE PIT OR TRAP AS DESCRIBED HEREIN AND APPROVED BY THE LOCAL GOVERNING AUTHORITY.
- PUMPING WATER THROUGH A GEOTEXTILE BAG MADE SPECIFICALLY FOR THIS PURPOSE.
- A WELL-VEGETATIVE FILTER STRIP, CAPABLE OF WITHSTANDING THE VELOCITY OF DISCHARGED WATER WITHOUT ERODING, INCLUDING THE INSTALLATION OF ENERGY DISSIPATION HAYBALES, RIPRAP OR SHEET OF PLYWOOD AT THE PUMP DISCHARGE.
- USE A SUMP PIT TO REDUCE THE PUMPING OF MUD.

### DUST CONTROL NOTES

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

### CONSTRUCTION SEQUENCE

- DURING PRE-CONSTRUCTION MEETING ALL EROSION & SEDIMENT CONTROL FACILITIES & PROCEDURES SHALL BE DISCUSSED. A GENERAL CONSTRUCTION SEQUENCE FOLLOWS AND MAY NEED TO BE UPDATED BY THE CONTRACTOR TO SUIT THE SPECIFICS OF THE SITE AND INTENDED CONTRACTOR SPECIFIC SEQUENCING.
  - TEMPORARY CONSTRUCTION FENCING SHALL BE INSTALLED AROUND PERIMETER OF CONSTRUCTION SITE. FENCING SHALL BE USED TO RESTRICT OUTSIDE TRAFFIC TO SITE.
  - DELIVER CONSTRUCTION TRAILER TO SITE AND INSTALL TEMPORARY POWER AND TELEPHONE, IF REQUIRED. TEMPORARY UTILITY SERVICES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
  - STAKE AND/OR FLAG LIMITS OF CLEARING.
  - CLEAR & GRUB, AS NECESSARY, FOR INSTALLATION OF PERIMETER CONTROLS. INSTALL SILT PERIMETER CONTROLS AS SHOWN ON PLANS.
  - INSTALL TEMPORARY SILT INLET PROTECTION ON ALL EXISTING CATCH BASINS AND INLETS, AS DESIGNATED IN THE PLANS. REMOVAL OF SILT INLET PROTECTION FROM DESIGNATED INLETS CAN ONLY OCCUR WHEN A STRUCTURE IS REMOVED, AND AS REQUIRED BY THE PROGRESSION OF THE DEMOLITION AND CONSTRUCTION.
  - CLEAR & GRUB THE REMAINING SITE AS NECESSARY. TOPSOIL SHALL BE STRIPPED AND STOCKPILED ON SITE FOR REUSE, OR REMOVED TO AN APPROVED OFFSITE SPOIL AREA.
  - UTILIZE DUST CONTROL MEASURES AS REQUIRED TO MINIMIZE AIR-BORNE POLLUTION BY METHODS APPROVED BY THE AUTHORIZING EPA OFFICE.
  - BEGIN FINAL GRADING AS REQUIRED TO REACH SUBGRADE.
  - STRUCTURE CONSTRUCTION.
  - CONSTRUCT UNDERGROUND UTILITY WORK INCLUDING PROPOSED STORM DRAINAGE FACILITIES. UPON INSTALLATION OF STORM DRAINAGE CATCH BASINS, YARD DRAINS AND INLETS, ADVISE AND SANITARY INLET PROTECTION.
  - DO NOT REPLACE ANY TOPSOIL, SEED OR INSTALL FINAL PAVEMENT PRIOR TO COMPLETION OF BUILDING SHELL. SHOULD SITEWORK BE COMPLETED PRIOR TO THIS DATE, MULCH DISTURBED AREAS TO BE PLANTED AND INSTALL STONE SUBBASE IN DISTURBED AREAS TO BE PAVED.
  - FOLLOWING COMPLETION OF BUILDING SHELL AND PAVEMENT INSTALLATION, BEGIN LANDSCAPE INSTALLATION.
  - COMPLETE SITEWORK, PAVEMENT MARKINGS AND FINAL CLEAN-UP. RESEED ANY AREAS THAT MAY REQUIRE ATTENTION IMMEDIATELY. NOTE THAT LAWN AREAS WILL NOT BE DEEMED STABLE UNTIL A MINIMUM 80% VEGETATIVE DENSITY HAS BEEN ACHIEVED.
  - MAINTAIN EROSION & SEDIMENTATION CONTROL MEASURES UNTIL THE SITE HAS BEEN COMPLETELY STABILIZED. ALL AREAS OF VEGETATIVE SURFACE, WHETHER PERMANENT OR TEMPORARY, SHALL BE CONSIDERED TO BE IN PLACE AND FUNCTIONAL WHEN THE REQUIRED UNIFORM RATE OF COVERAGE (80%) IS OBTAINED.
  - REMOVE SEDIMENT CONTROLS.

### PROJECT DESCRIPTION

THE CURRENT CONDITIONS OF THE EXISTING SITE IS A GRASSED COURTYARD AREA WITH LIMITED CONCRETE SIDEWALK. THE PROJECT PROPOSES TO CONSTRUCT A BUILDING ADDITION ONTO THE EXISTING HUDSON HIGH SCHOOL. AS PART OF THE PROJECT, THE EXISTING SIDEWALK PATHS WILL BE REALIGNED AROUND THE ADDITION. MINOR UTILITY INFRASTRUCTURE WILL BE INCLUDED AS PART OF THIS PROJECT.

### PROJECT COMPLETION STATISTICS

PARCEL SIZE:	63.79 ACRES
TOTAL DISTURBED AREA:	0.24 ACRES

THE FOLLOWING STATISTICS ARE BASED ON THE PROJECT DISTURBED AREA.

EXISTING LAND USE FOR THE SITE IS A COURTYARD.	
ESTIMATED PRE-CONSTRUCTION IMPERVIOUS AREA:	0.06 ACRES
ESTIMATED PRE-CONSTRUCTION IMPERVIOUS PERCENT:	25%
PRE-CONSTRUCTION RUN-OFF COEFFICIENT:	0.51

PROPOSED LAND USE WILL BE A BUILDING ADDITION.

ESTIMATED POST-CONSTRUCTION IMPERVIOUS AREA:	0.16 ACRES
ESTIMATED POST-CONSTRUCTION IMPERVIOUS PERCENT:	67%
POST-CONSTRUCTION RUN-OFF COEFFICIENT:	0.78

### PROJECT LOCATION

LATITUDE: 41.2564°  
LONGITUDE: -81.4140°

### EXISTING SITE SOIL TYPES:

MgB MAHONING SILT LOAM  
Tr TRUMBULL SILT LOAM  
REFERENCE: USDA NATIONAL RESOURCES CONSERVATION SERVICE WEB SOIL SURVEY.

### WETLAND INFORMATION:

THERE ARE NO KNOWN WETLANDS WITHIN THE PROJECT BOUNDARY.

### FIRST AND SUBSEQUENT RECEIVING STREAM:

INITIAL RECEIVING WATER IS TINKERS CREEK AND THE SUBSEQUENT RECEIVING WATER IS THE CUYAHOGA RIVER.

### POST CONSTRUCTION WQV BMP DESCRIPTION

WATER QUALITY:  
WITH A PROJECT DISTURBANCE OF LESS THAN 1-ACRE OF LAND, WATER QUALITY WILL NOT BE REQUIRED FOR THIS PROJECT.

WATER QUANTITY:  
THROUGH REVIEW OF RECORD DRAWINGS WITH THE CITY, THE DEVELOPMENT AREA IS TRIBUTARY TO AN EXISTING BASIN LOCATED WEST OF THE PROJECT AREA THAT HAS DOWNSTREAM RESTRICTION. WHEN THE RESTRICTING PIPE IS AT CAPACITY, THE RUNOFF WILL BACKFLOW INTO AN EXISTING OPEN BASIN LOCATED SOUTHWEST OF THE SURFACE LOT ON THE WEST SIDE OF THE PROPERTY PROVIDING DETENTION FOR THE PROPOSED IMPROVEMENTS.

### OWNER CONTACT:

TOM BARONE  
DIRECTOR OF OPERATIONS  
76 N. HAYDEN PARKWAY  
PHONE: 330.653.1207 FAX: 330.653.1366  
BARONET@HUDSON.K12.OH.US

### ANTICIPATED TIMING:

CONSTRUCTION BEGIN: AUGUST 2025  
CONSTRUCTION COMPLETE: AUGUST 2026

### CONTRACTOR:

CONTACT: T.B.D.  
PHONE NUMBER: \_\_\_\_\_

CONTRACTOR SHALL MAINTAIN A CONSTRUCTION LOG DOCUMENTING ALL GRADING AND STABILIZATION ACTIVITIES.

### LEGEND

(SEE SHEET C-001 FOR GENERAL LEGEND)

- PROPOSED INLET PROTECTION SEE SHEET C-501
- USDA NATIONAL SOIL LIMITS AND TYPE
- PROPOSED PERIMETER CONTROL SEE SHEET C-501
- PROJECT LIMITS OF DISTURBANCE
- APPROXIMATE SOIL BOUNDARY
- PROPOSED CONCRETE WASHOUT FACILITY SEE SHEET C-501

### SWPP COORDINATION NOTE:

PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE THE AREAS DESIGNATED FOR THE STORAGE AND DISPOSAL OF SOLID, SANITARY, AND TOXIC WASTES (INCLUDING DUMPSTER AREAS AND AREAS FOR VEHICLE FUELING/MAINTENANCE) WITH THE OWNERS REPRESENTATIVE. FINAL LOCATION SHALL BE APPROVED BY A SWPP AUTHORITY REPRESENTATIVE.

### BASIS OF BEARING:

STATE PLANE GRID NORTH, NAD 83 (2011),  
GRID NORTH ZONE.

ELEVATIONS ARE NAVD 88, GEOID 18.

TIED BY GPS TO THE OHIO REAL TIME NETWORK.

### BENCHMARKS:

- SOUTH WEST BOLT OF LIGHT POLE  
N 580989  
E 266922  
ELEV. = 1042.56
- 4" IN "MUELLER" ON HYDRANT  
N 580900  
E 267077  
ELEV. = 1051.98
- BOX CUT ON LIGHT POLE BASE  
N 580985  
E 266782  
ELEV. = 1044.09

HUDSON HIGH SCHOOL - ORCHESTRA ADDITION  
2500 HUDSON AURORA RD. HUDSON, OH 44236

ISSUED FOR:	
PERMIT	
BID	
CONSTRUCTION	
RECORD	
PROJECT MANAGER	DESIGNER
J.P.	MC

JOB NO.  
2024098.02

C-010

SWPP NOTES AND PLANS



520 South Main Street, Suite 2551  
Akron, OH 44308  
330.572.2100 Fax 330.572.2101  
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### EXISTING STRUCTURES:

CB 51 T/C = 1049.54  
10" PVC (SE) = 1043.54  
10" PVC (NE) = 1043.54  
10" PVC (W) = 1043.19

CB 70 T/C = 1047.99  
24" RCP (NE) = 1042.36  
24" RCP (W) = 1042.36  
10" PVC (E) = 1042.49  
10" PVC (W) = 1042.49

CB 78 T/C = 1040.78  
10" RCP (NW) = 1038.78

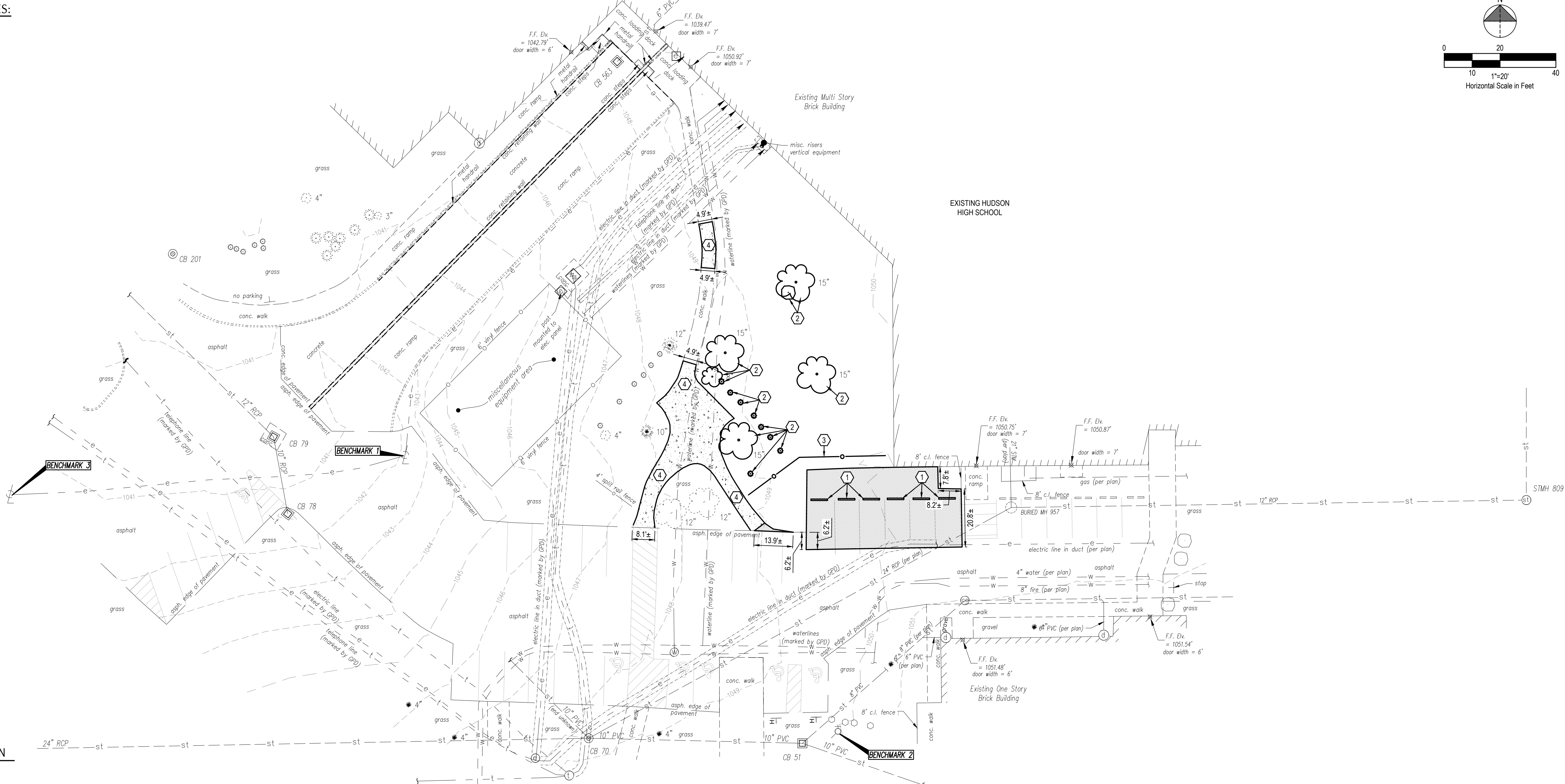
CB 79 T/C = 1040.37  
12" RCP (NW) = 1037.47  
10" RCP (SE) = 1037.47

CB 201 T/C = 1041.24  
NO PIPES VISIBLE  
BOTTOM OF BASIN = 1036.69

CB 563 T/C = 1037.23  
6" PVC (NE) = 1035.23

STMH 809 T/C = 1049.58  
12" RCP (N) = 1045.78  
12" RCP (W) = 1045.78

\*STMH 957  
BURIED UNDER ASPHALT



C1 DEMOLITION PLAN  
1" = 20'

### DEMOLITION KEYNOTES (C)

- EXISTING WHEELSTOP, INCLUDING ANY ANCHORING, TO BE REMOVED.
- EXISTING LANDSCAPING (INCLUDING BOULDERS, BUSHES, TREES, ETC.) TO BE REMOVED.
- EXISTING VINYL SPLIT RAIL FENCE (INCL. POST FOUNDATIONS IF APPLICABLE) TO BE REMOVED.
- EXISTING CONCRETE SIDEWALK TO BE REMOVED TO NEXT NEAREST JOINT.

### LEGEND

(SEE SHEET C-001 FOR GENERAL LEGEND)

- EXISTING ASPHALT PAVEMENT TO BE REMOVED
- EXISTING CONCRETE TO BE REMOVED. SEE DEMOLITION KEYNOTES.
- DENOTES LIMITS OF SAWCUT
- DEMOLITION KEYNOTE

### DEMOLITION NOTE:

ALL EXISTING SITE AND SURROUNDING FEATURES SUCH AS UTILITIES, PAVEMENT, CURB, LANDSCAPING, ETC. SHALL REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION UNLESS NOTED OTHERWISE, OR ARE REQUIRED TO BE MODIFIED OR REMOVED FOR THE INSTALLATION OF PROPOSED IMPROVEMENTS. ALL DISTURBED FEATURES SHALL BE RESTORED OR RELOCATED AS REQUIRED TO THE SATISFACTION OF THE OWNER. CONTRACTOR SHALL REPAIR/REPLACE ANY SURROUNDING FEATURES DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST AND TO THE SATISFACTION OF THE OWNER.

### UTILITY COORDINATION:

Subsurface utility information provided in this basemap is from a combination of one call coordination and a private utility locate (PUL) performed by GPD Group. Unless otherwise labeled subsurface utility lines shown hereon are ASCE Quality Level (QL) D. Subsurface utility lines labeled as QL-D can be from one call 811 coordination as described in the project state's codified laws and those subsurface utility lines shown hereon were marked on the ground or depicted in records/mapping provided by third parties or others, that may or may not provide accurate horizontal location information of subsurface facilities. These third parties and others are not contractually obligated or liable to GPD Group or client. GPD Group assumes no liability or responsibility for QL-D lines arising out of any and all shown or unshown subsurface utilities relating to the developed basemap, therefore no warranty or guarantee is expressed or implied of any and all of these subsurface utilities.

### BASIS OF BEARING:

STATE PLANE GRID NORTH, NAD 83 (2011),  
OHIO NORTH ZONE.

ELEVATIONS ARE NAVD 88, GEOID 18.

TIED BY GPS TO THE OHIO REAL TIME NETWORK.

### BENCHMARKS:

- SOUTH WEST BOLT OF LIGHT POLE  
N 580999  
E 266922  
ELEV. = 1042.56
- N IN MUELLER ON HYDRANT  
N 580900  
E 267077  
ELEV. = 1051.98
- BOX CUT ON LIGHT POLE BASE  
N 580985  
E 266782  
ELEV. = 1044.09



### PLAN KEYNOTES (C)

- PROPOSED FIBER REINFORCED CONCRETE WALK. SEE SHEET C-501.
- PROPOSED FROST SLAB. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- PROPOSED RAISED CONCRETE PAD. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- PROPOSED PAINTED (WHITE) TRANSVERSE STRIPING. SEE SHEET C-501.
- PROPOSED CONCRETE WHEELSTOP. SEE SHEET C-501.
- PROPOSED UTILITY. SEE UTILITY PLAN.
- PROPOSED CONCRETE COLLAR. SEE SHEET C-501.
- PROPOSED PAINTED (WHITE) 4" WIDE SOLID STRIPE. SEE PAVEMENT MARKINGS AND NOTES ON SHEET C-501.
- CONTRACTOR SHALL REPAINT EXISTING TRANSVERSE STRIPING IN LIKE KIND (ENTIRE STRIPED AREA) AFTER COMPLETION OF PAVEMENT WORK. SEE PAVEMENT MARKINGS AND NOTES ON SHEET C-501. CONTRACTOR SHALL REMOVE EXISTING MARKINGS IF REQUIRED FOR CLEAN FINISH AND UNIFORM COLOR.

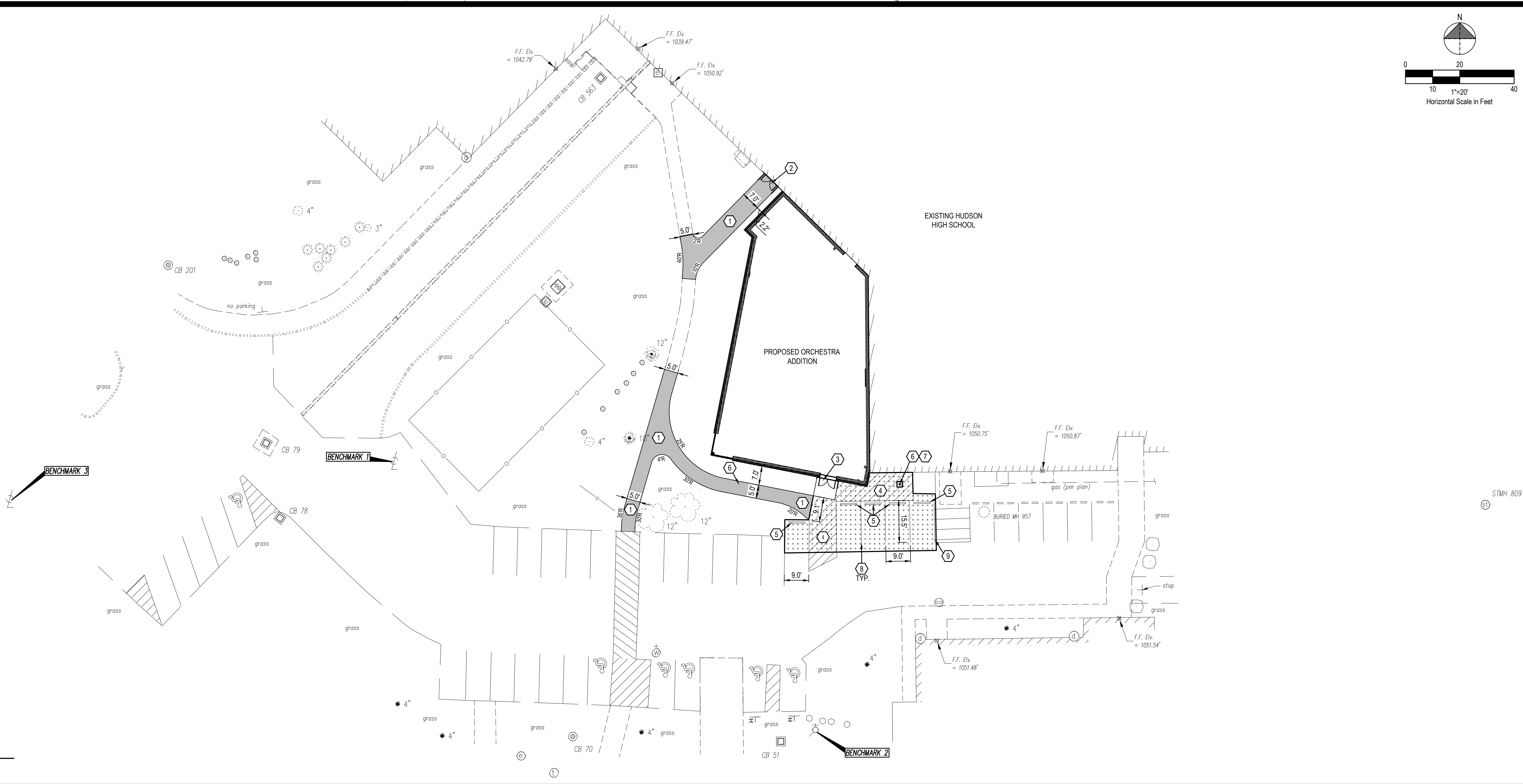
### LEGEND

(SEE SHEET C-001 FOR GENERAL LEGEND)

- PROPOSED STANDARD DUTY ASPHALT PAVEMENT  
SEE SHEET C-501
- PROPOSED CONCRETE SIDEWALK. SEE PLAN KEYNOTES FOR TYPE.
- CONSTRUCTION KEYNOTE

### PROPOSED ORCHESTRA DATA TABLE

USE:	EDUCATION
TOTAL GROSS BUILDING FOOTPRINT:	4,602.90 SF
ORCHESTRA ADDITION TOTAL FOOTAGE:	4,184.32 SF
FLOOR AREA (ORCHESTRA) TO LOT AREA RATIO:	1.683
STORIES:	1
HEIGHT:	27'-4"
FOUNDATION TYPE:	CONCRETE SPREAD FOOTING
FINISHED FLOOR ELEVATION:	1050.65



A1 SITE PLAN  
1" = 20'

DESCRIPTION

DATE

REV.

HUDSON HIGH SCHOOL - ORCHESTRA ADDITION  
2500 HUDSON AURORA RD. HUDSON, OH 44236

DEMOLITION AND SITE PLAN

ISSUED FOR:	
PERMIT	noted/none
BID	noted/none
CONSTRUCTION	noted/none
RECORD	noted/none
PROJECT MANAGER	DESIGNER

JOB NO.  
2024098.02

C-101



C1 GRADING PLAN  
1" = 20'

EXISTING STRUCTURES:

CB 51 T/C = 1049.54  
10" PVC (SE) = 1043.54  
10" PVC (NE) = 1043.54  
10" PVC (W) = 1043.19

CB 70 T/C = 1047.99  
24" RCP (NE) = 1042.36  
24" RCP (W) = 1042.36  
10" PVC (E) = 1042.49  
10" PVC (W) = 1042.49

CB 78 T/C = 1040.78  
10" RCP (NW) = 1038.78

CB 79 T/C = 1040.37  
12" RCP (NW) = 1037.47  
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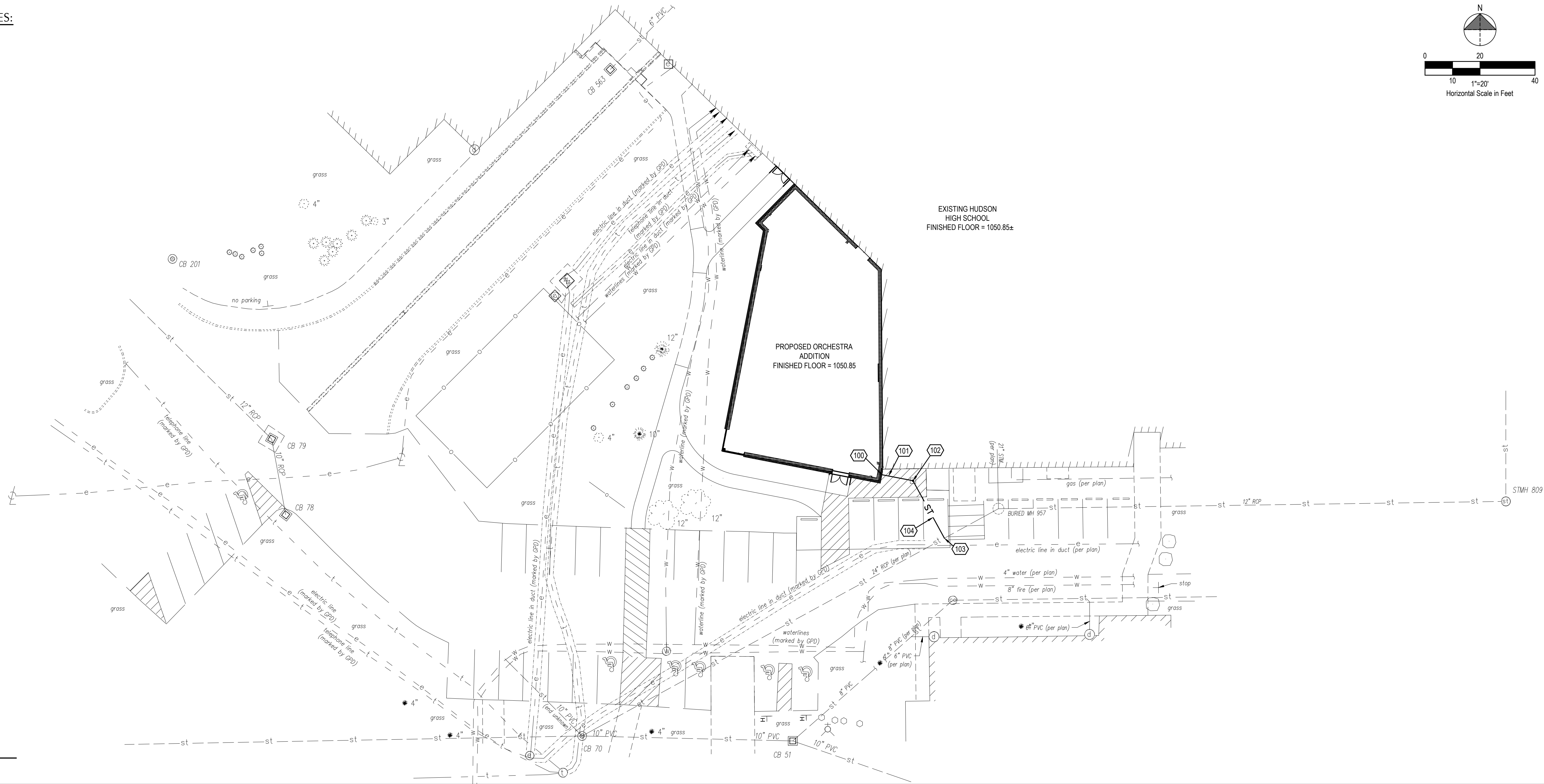
CB 201 T/C = 1041.24  
NO PIPES VISIBLE  
BOTTOM OF BASIN = 1036.69

CB 563 T/C = 1037.23  
6" PVC (NE) = 1035.23

STMH 809 T/C = 1049.58  
12" RCP (N) = 1045.78  
12" RCP (W) = 1045.78

\*STMH 957  
BURIED UNDER ASPHALT

A1 UTILITY PLAN  
1" = 20'



**LEGEND**  
(SEE SHEET C-001 FOR GENERAL LEGEND)

0.0% PROPOSED DRAINAGE SLOPE & DIRECTION

XXXXXX MATCH EXISTING PAVEMENT/GRADE ELEVATION

XXXXXX PROPOSED ELEVATION AT FINISHED PAVEMENT/GROUND

T=XXXXXX TOP OF RAISED CONCRETE PAD ELEVATION

B=XXXXXX BOTTOM OF RAISED CONCRETE PAD/FINISHED PAVEMENT ELEVATION

RM=XXXXXX PROPOSED UTILITY RIM ELEVATION (RIM FLUSH WITH FINAL GRADE)

**BASIS OF BEARING:**  
STATE PLANE GRID NORTH, NAD 83 (2011),  
OHIO NORTH ZONE.  
ELEVATIONS ARE NAVD 88, GEOID 18.  
TIED BY GPS TO THE OHIO REAL TIME NETWORK.

**BENCHMARKS:**

1. SOUT WEST BOLT OF LIGHT POLE  
N 580999  
E 266922  
ELEV. = 1042.56

2. 1/4" IN MUELLER'S ON HYDRANT  
N 580900  
E 267077  
ELEV. = 1051.98

3. BOX CUT ON LIGHT POLE BASE  
N 580905  
E 266792  
ELEV. = 1044.09



**PLAN KEYNOTES**

**STORM**

100. PROPOSED DOWNSPOUT CONNECTION TO BUILDING. 6" INVERT=1047.85. COORDINATE FINAL CONNECTION LOCATION WITH BUILDING DRAWINGS.

101. PROPOSED 11 LF OF 6" PVC (SDR 35) DOWNSPOUT LINE AT 1.0%.

102. PROPOSED PAVEMENT CLEAN OUT WITH CONCRETE BLOCKOUT. SEE SHEET C-501. SEE GRADING PLAN FOR RIM ELEVATION. 6" INVERT=1047.74.

103. PROPOSED DOWNSPOUT CONNECTION TO EXISTING STORM PIPE. CONTRACTOR SHALL CONNECT USING INSERT-A-TEE (OR EQUIVALENT) AT OR ABOVE SPRING LINE OF EXISTING STORM PIPE. NOTIFY CONSTRUCTION MANAGER IF DESIGN INTENT CANNOT BE ACHIEVED.

104. PROPOSED 24 LF OF 6" PVC (SDR 35) DOWNSPOUT LINE AT MINIMUM 1.0%.

**LEGEND**  
(SEE SHEET C-001 FOR GENERAL LEGEND)

ST PROPOSED STORM SEWER (12" AND SMALLER)

UTILITY CONSTRUCTION KEYNOTE

**UTILITY COORDINATION:**

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HUDSON HIGH SCHOOL - ORCHESTRA ADDITION  
2500 HUDSON AURORA RD. HUDSON, OH 44236

ISSUED FOR:	
PERMIT	noted
BID	noted
CONSTRUCTION	noted
RECORD	noted
PROJECT MANAGER	DESIGNER
JP	MC

JOB NO.  
2024098.02

C-102

DESCRIPTION

DATE

REV

GRADING AND UTILITY PLAN



- NOTES:
- 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 WHICH MAY CARRY SMALL CONCENTRATED FLOWS TO THE SILT FENCE ARE DISSIPATED ALONG ITS LENGTH.
  - 3) TO PREVENT WATER PONDED BY THE SILT FENCE FROM FLOWING AROUND THE ENDS, EACH END SHALL BE CONSTRUCTED UPSLOPE SO THAT THE ENDS ARE AT A HIGHER ELEVATION.
  - 4) WHERE POSSIBLE, SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.
  - 5) WHERE POSSIBLE, VEGETATION SHALL BE PRESERVED FOR 5 FT. (OR AS MUCH AS POSSIBLE) UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE REESTABLISHED WITHIN 7 DAYS FROM THE INSTALLATION OF THE SILT FENCE.
  - 6) THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 16 IN. ABOVE THE ORIGINAL GROUND SURFACE.
  - 7) THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6 INCH OVERLAP, AND SECURELY SEALED.
  - 8) POSTS SHALL BE A MINIMUM OF 5 FEET LONG, 2 INCHES IN DIAMETER AND SPACED A MAXIMUM OF 10 FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND. WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6 FEET.
  - 9) THE SILT FENCE SHALL BE PLACED IN A TRENCH CUT A MINIMUM OF 6 INCHES DEEP. THE TRENCH SHALL BE CUT WITH A TRENCHER, CABLE LAYING MACHINE, OR OTHER SUITABLE DEVICE WHICH WILL ENSURE AN ADEQUATELY UNIFORM TRENCH DEPTH.
  - 10) THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSLOPE SIDE OF THE GEOTEXTILE AND SO THAT 8 IN. OF CLOTH ARE BELOW THE GROUND SURFACE. EXCESS MATERIAL SHALL LAY ON THE BOTTOM OF THE 6 IN. DEEP TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED.
  - 11) WHEN EXTRA STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS.
  - 12) THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 8 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
  - 13) SEAMS BETWEEN SECTION OF SILT FENCE SHALL BE OVERLAPPED WITH THE END STAKES OF EACH SECTION WRAPPED TOGETHER BEFORE DRIVING INTO THE GROUND.
  - 14) SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER OR AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES A CONCENTRATED FLOW, ONE OF THE FOLLOWING SHALL BE PERFORMED, AS APPROPRIATE: A) THE LAYOUT OF THE SILT FENCE SHALL BE CHANGED, B) ACCUMULATED SEDIMENT SHALL BE REMOVED, OR C) OTHER PRACTICES SHALL BE INSTALLED.
- MAINTENANCE:
- SILT FENCE SHOULD BE INSPECTED REGULARLY AND FREQUENTLY AS WELL AS AFTER EACH RAINFALL EVENT TO ENSURE THAT THEY ARE INTACT AND THERE ARE NO GAPS AT THE FENCE-GROUND INTERFACE OR TEARS ALONG THE LENGTH OF THE FENCE. IF GAPS OR TEARS ARE FOUND, THEY SHOULD BE REPAIRED OR THE FABRIC REPLACED IMMEDIATELY. ACCUMULATED SEDIMENTS SHOULD BE REMOVED FROM THE FENCE BASE WHEN THE SEDIMENT REACHES ONE-THIRD TO ONE-HALF THE HEIGHT OF THE FENCE. SEDIMENT REMOVAL SHOULD OCCUR MORE FREQUENTLY IF ACCUMULATED SEDIMENT IS CREATING NOTICEABLE STRAIN ON THE FABRIC AND THERE IS THE POSSIBILITY OF THE FENCE FAILING FROM A SUDDEN STORM EVENT. WHEN THE SILT FENCE IS REMOVED, THE ACCUMULATED SEDIMENT SHOULD BE REMOVED.

REV	DATE	DESCRIPTION

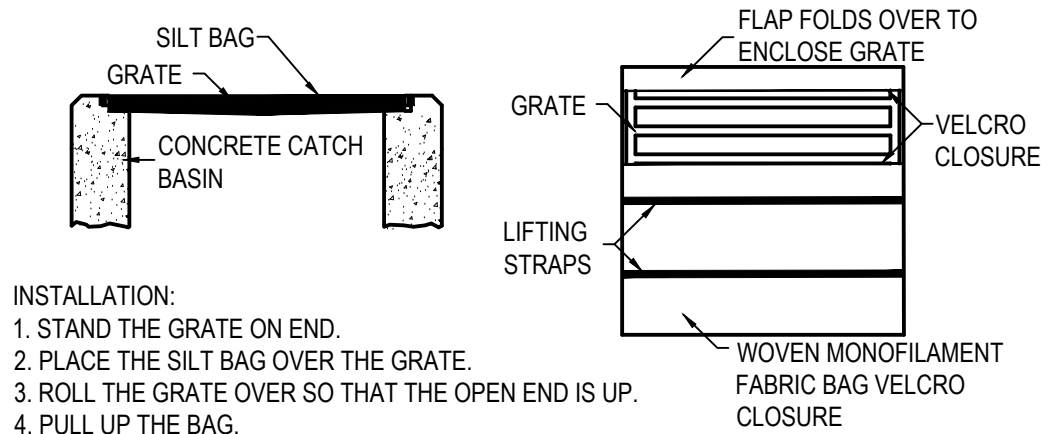
HUDSON HIGH SCHOOL - ORCHESTRA ADDITION  
2500 HUDSON AURORA RD. HUDSON, OH 44236

DETAILS

ISSUED FOR:	
PERMIT	noted
BID	noted
CONSTRUCTION	noted
RECORD	noted
PROJECT MANAGER	DESIGNER
JP	MC

JOB NO.  
2024098.02

C-501



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

MAINTENANCE:

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

INLET INSPECTION:

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

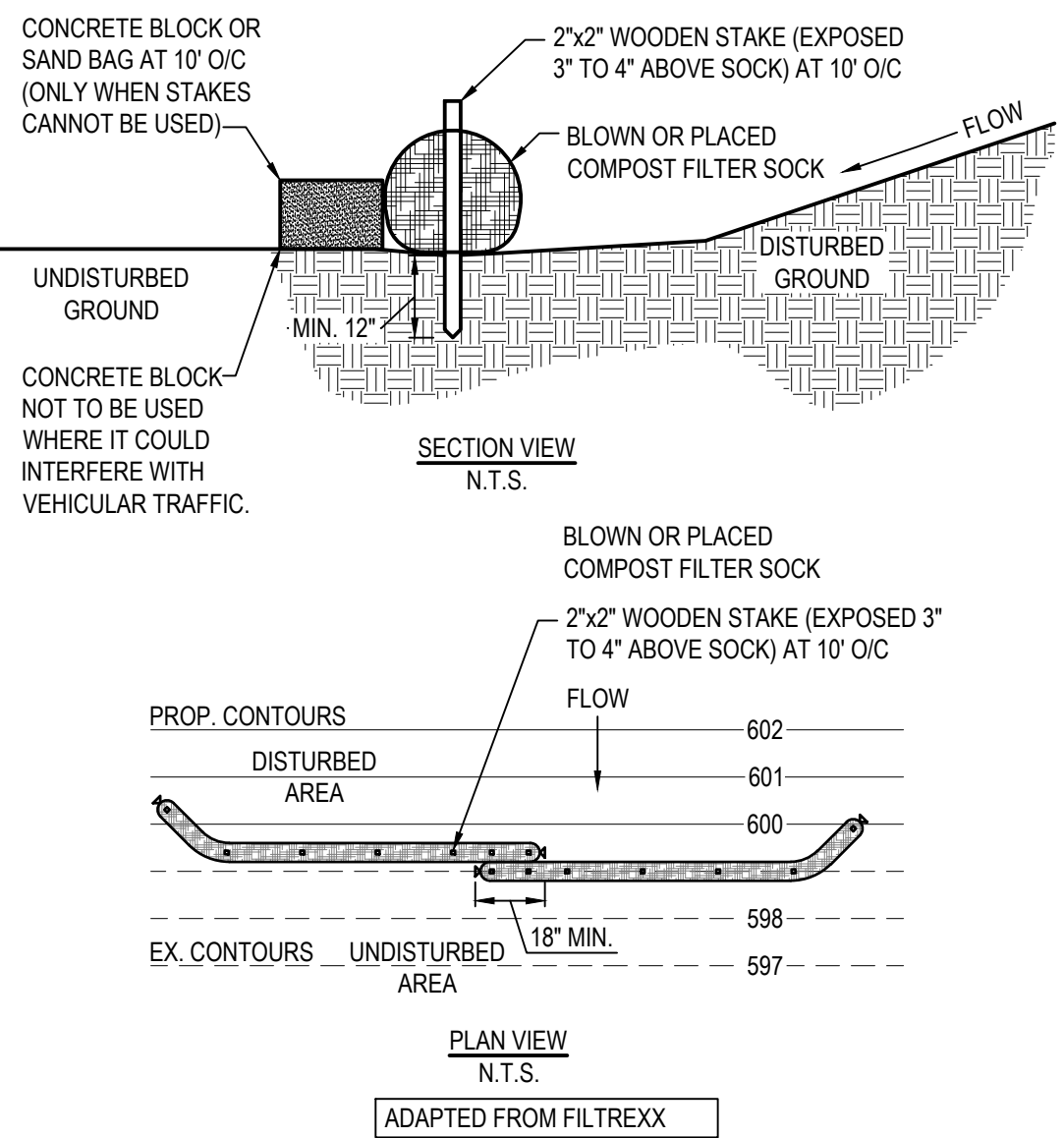
NOTE:

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

#### C5 SILT BAG PROTECTION

N.T.S.

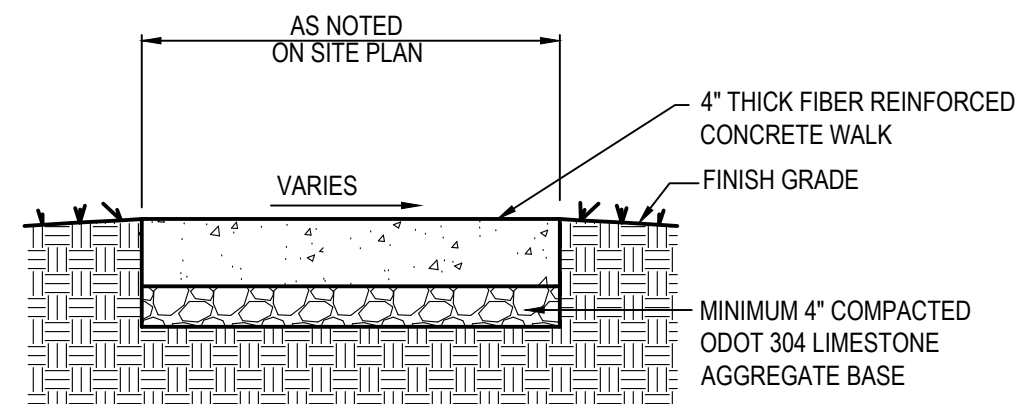
COMPOST SOCK FABRIC MINIMUM SPECIFICATIONS					
MATERIAL TYPE	3 mil HDPE	5 mil HDPE	5 mil HDPE	MULTI-FILAMENT POLYPROPYLENE (MFPP)	HEAVY DUTY MULTI-FILAMENT POLYPROPYLENE (MFPP)
MATERIAL CHARACTERISTICS	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE	BIO-DEGRADABLE	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE
SOCK DIAMETERS	12" 18"	12" 24"	12" 24"	12" 24"	12" 24"
MESH OPENING	3/8" 3/8"	3/8" 3/8"	3/8" 3/8"	3/8" 3/8"	1/8" 1/8"
TENSILE STRENGTH	26 PSI		26 PSI	44 PSI	202 PSI
ULTRAVIOLET STABILITY % ORIGINAL STRENGTH (ASTM G-155)	% AT 1000 HR.	23% AT 1000 HR.		100% AT 1000 HR.	100% AT 1000 HR.
MINIMUM FUNCTIONAL LONGEVITY	6 MONTHS	9 MONTHS	6 MONTHS	1 YEAR	2 YEARS
TWO-PLY SYSTEMS					
INNER CONTAINMENT NETTING	HDPE BIAXIAL NET CONTINUOUSLY WOUND				
	FUSION-WELED JUNCTURES				
	3/4" X 3/4" MAX. APERTURE SIZE				
OUTER FILTRATION MESH	COMPOSITE POLYPROPYLENE FABRIC (WOVEN LAYER & NON-WOVEN FLEECE MECHANICALLY FUSED VIA NEEDLE PUNCH)				
	3/16" MAX. APERTURE SIZE				
	SOCK FABRICS COMPOSED OF BURLAP MAY BE USED ON PROJECTS LASTING 6 MONTHS OR LESS				
COMPOST SHALL MEET THE FOLLOWING STANDARDS:					
ORGANIC MATTER CONTENT			80% - 100% (DRY WEIGHT BASIS)		
ORGANIC PORTION pH			FIBROUS AND ELONGATED 5.5 - 8.0		
MOISTURE CONTENT			35% - 55%		
PARTICLE SIZE			98% PASS THROUGH 1" SCREEN		
SOLUBLE SALT CONCENTRATION			5.0 G5 MAXIMUM		



- ADAPTED FROM FILTREXX
1. COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE SOCK SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN SOCK ALIGNMENT.
  2. TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
  3. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE SOCK AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.
  4. SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH 1/2 INCH STORM RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
  5. BIODEGRADABLE FILTER SOCK SHALL BE REPLACED AFTER 6 MONTHS. PHOTO-DEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
  6. UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

#### B5 COMPOST FILTER SOCK

N.T.S.



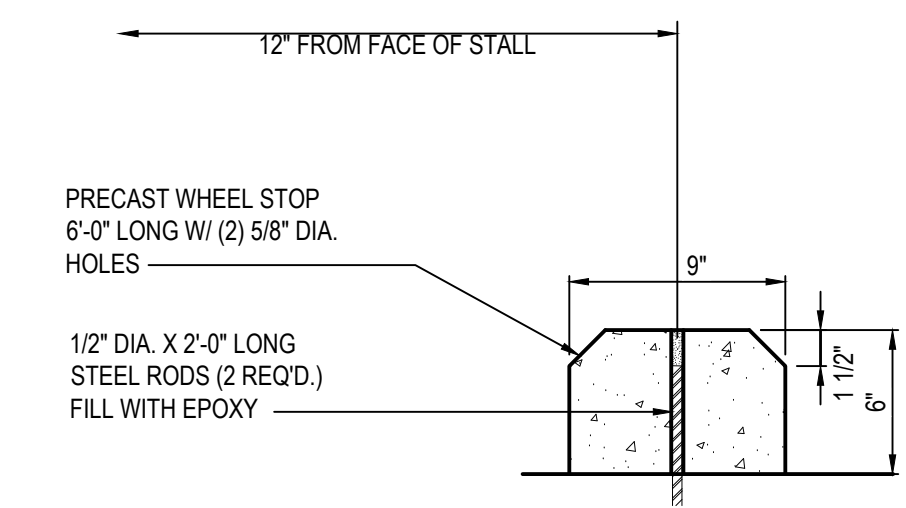
- NOTES:
1. CONTRACTOR SHALL INSTALL 1/2" PRE-FORMED EXPANSION JOINT MATERIAL FULL HEIGHT OF INTERFERENCE AND JOINT SEALER WHERE PAVEMENT ABUTS BUILDING OR OTHER RIGID PAVEMENTS/STRUCTURES.
  2. THE AS-BUILT CROSS SLOPE SHALL BE GREATER THAN 0.5% (UNLESS NOTED OTHERWISE) AND SHALL ALWAYS BE LESS THAN 2.0% IN AREAS OF ADA. IF A DISCREPANCY IS DISCOVERED THE CONSTRUCTION MANAGER SHALL BE NOTIFIED PRIOR TO PLACING MATERIALS.
  3. SEE "CONCRETE NOTES AND SPECIFICATIONS" ON SHEET C-001 FOR FIBER SPECIFICATIONS AND DOSAGES.

#### A5 FIBER REINFORCED CONCRETE WALK

N.T.S.

#### B6 SILT FENCE

N.T.S.



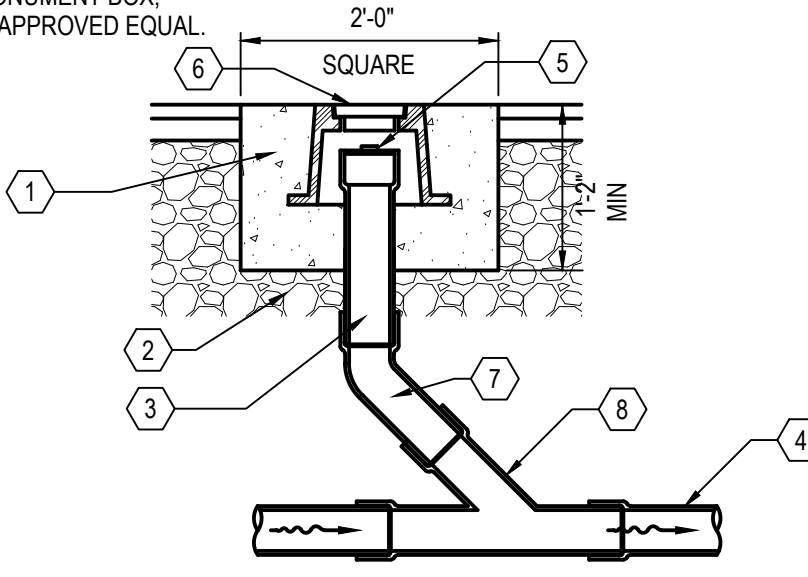
- NOTE:
1. SEE SITE PLAN FOR LOCATION AND QUANTITY OF WHEELSTOPS.

#### A6 WHEELSTOP

N.T.S.

#### KEYED NOTES

- 1 CONCRETE, MATCH PAVEMENT SPEC.
- 2 6" (MIN.) ODOT 304 LIMESTONE AGGREGATE BASE
- 3 6" DIA. CLEAN-OUT PIPE
- 4 SEWER
- 5 THREADED CLEAN-OUT CAP
- 6 CAST-IRON MONUMENT BOX, EJIW 1586 OR APPROVED EQUAL
- 7 45° BEND
- 8 WYE



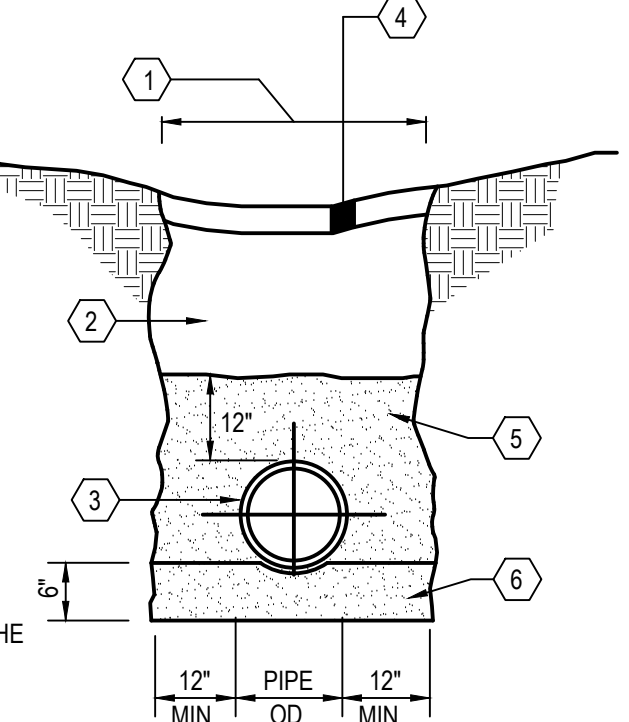
#### B2 PAVEMENT CLEAN OUT WITH CONCRETE BLOCKOUT

N.T.S.

#### KEYED NOTES

- 1 EXCAVATE WIDTH OF TRENCH AS NEEDED
  - 2 PLACE SUITABLE BACKFILL IN 6" MAXIMUM LIFTS
- UNDER PAVEMENT
- A GRANULAR BACKFILL SHALL BE COMPACTED TO 80% RELATIVE DENSITY PER ASTM D4253 AND ASTM D4254

- 1 PROPOSED STORM SEWER
- 4 PAVEMENT AS DETAILLED ELSEWHERE.
- 5 NO. 57 OR NO. 67 AGGREGATE PLACED A MINIMUM OF 12" ABOVE THE TOP OF THE PIPE
- 6 NO. 57 OR NO. 67 AGGREGATE PLACED A MINIMUM OF 6" BELOW THE BOTTOM OF THE PIPE

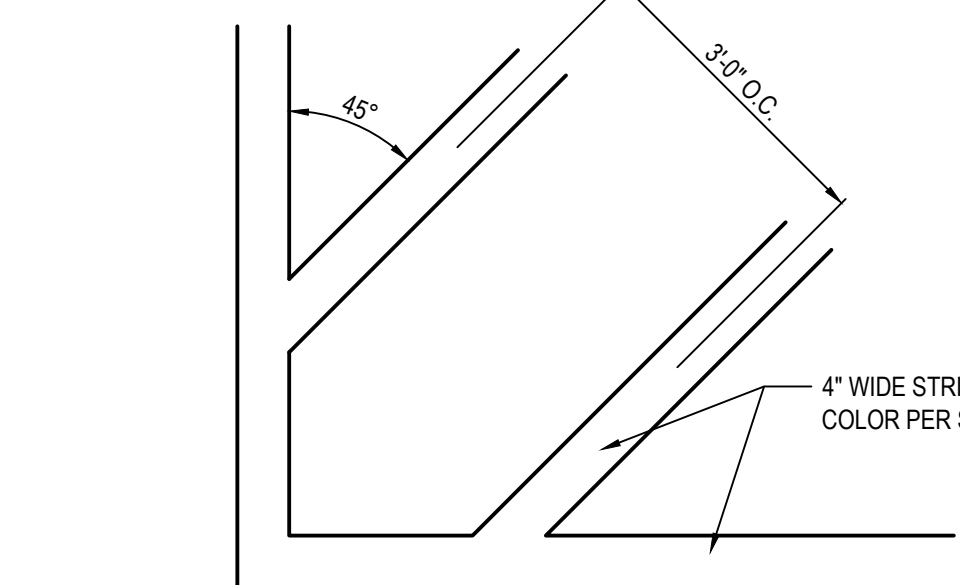


#### B3 SEWER TRENCH

N.T.S.

#### B4 CONCRETE WASHOUT AREA

N.T.S.



#### A4 PAINTED TRANSVERSE STRIPING

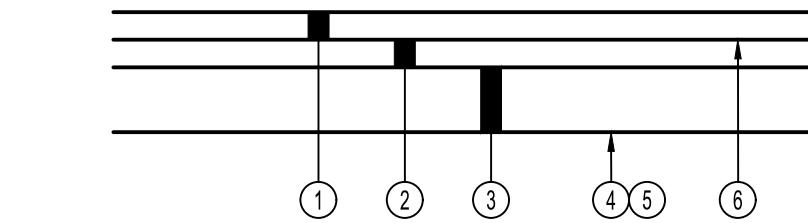
N.T.S.

#### NOTES:

- COLOR OF ALL PAVEMENT MARKINGS TO BE AS SPECIFIED ON THE SITE PLAN.
- ALL PAVEMENT MARKINGS WITHIN ADA AREAS SHALL BE PAINTED BLUE EXCEPT FOR COLORS DEFINED ON THE ADA PAVEMENT SYMBOL.
- MARKING (STRIPING) PAINT FOR PARKING SPACES, TRAFFIC ARROWS, ADA PARKING AND SYMBOLS, ETC. PER LOCAL REQUIREMENTS AND AS FOLLOWS:
- PAVEMENT MARKINGS SHALL BE PER ODOT ITEM 642 TYPE 1.
- APPLY 2 COATS WITH STRAIGHT EDGES. CONTRACTOR SHALL APPLY THE SECOND COAT NO SOONER THAN 30 DAYS OF APPLYING THE FIRST COAT.

#### A3 PAVEMENT MARKINGS & NOTES

N.T.S.



- 1 1.5 INCH ASPHALT SURFACE COURSE (ODOT ITEM 441, TYPE 1)
- 2 3.0 INCH ASPHALT INTERMEDIATE COURSE (ODOT ITEM 441, TYPE 2)
- 3 6.0 INCH MINIMUM CRUSHED LIMESTONE AGGREGATE BASE (ODOT ITEM 304)
- 4 SUBGRADE COMPACTION (ODOT ITEM 204)
- 5 PROOF ROLLING (ODOT ITEM 204)
- 6 TACK COAT (ODOT ITEM 407)

#### NOTES:

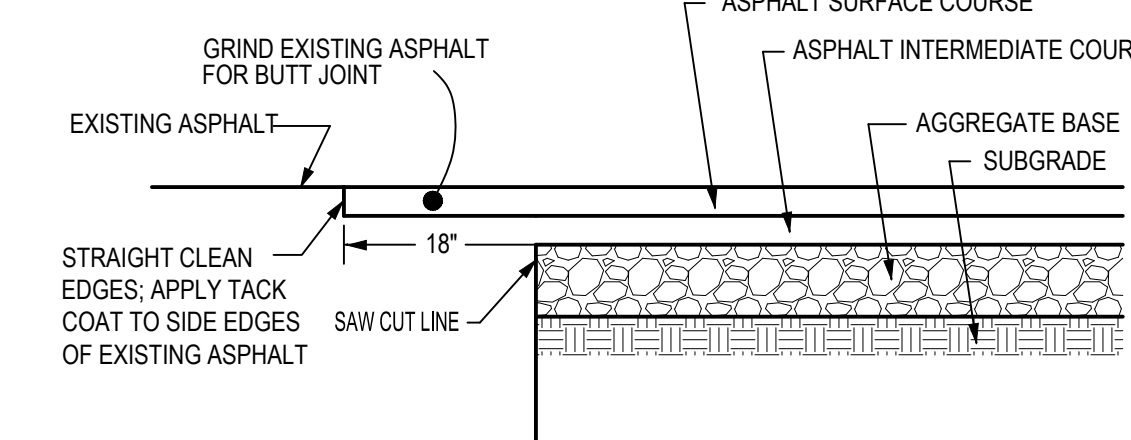
1. SUBGRADE SHALL BE PROPERLY PREPARED WITH SUFFICIENT STRENGTH FOR PAVING OPERATIONS. SEE REPORT OF GEOTECHNICAL EXPLORATION FOR MORE INFORMATION.
2. APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT AND WHERE PROPOSED ASPHALT MEETS EXISTING ASPHALT INCLUDING SAW CUT JOINTS.
3. RAP IS NOT PERMITTED IN ASPHALT SURFACE COURSE.
4. A MAXIMUM RAP OF 20% IS PERMITTED IN THE ASPHALT INTERMEDIATE COURSE.
5. CONTACT THE OWNER Hired GEOTECHNICAL ENGINEER PRIOR TO PROOF ROLL OPERATIONS.

#### A1 STANDARD DUTY ASPHALT PAVEMENT

N.T.S.

#### A2 BUTT JOINT

N.T.S.



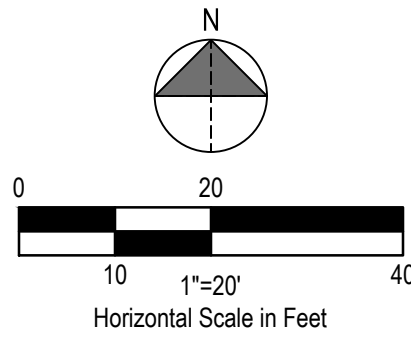
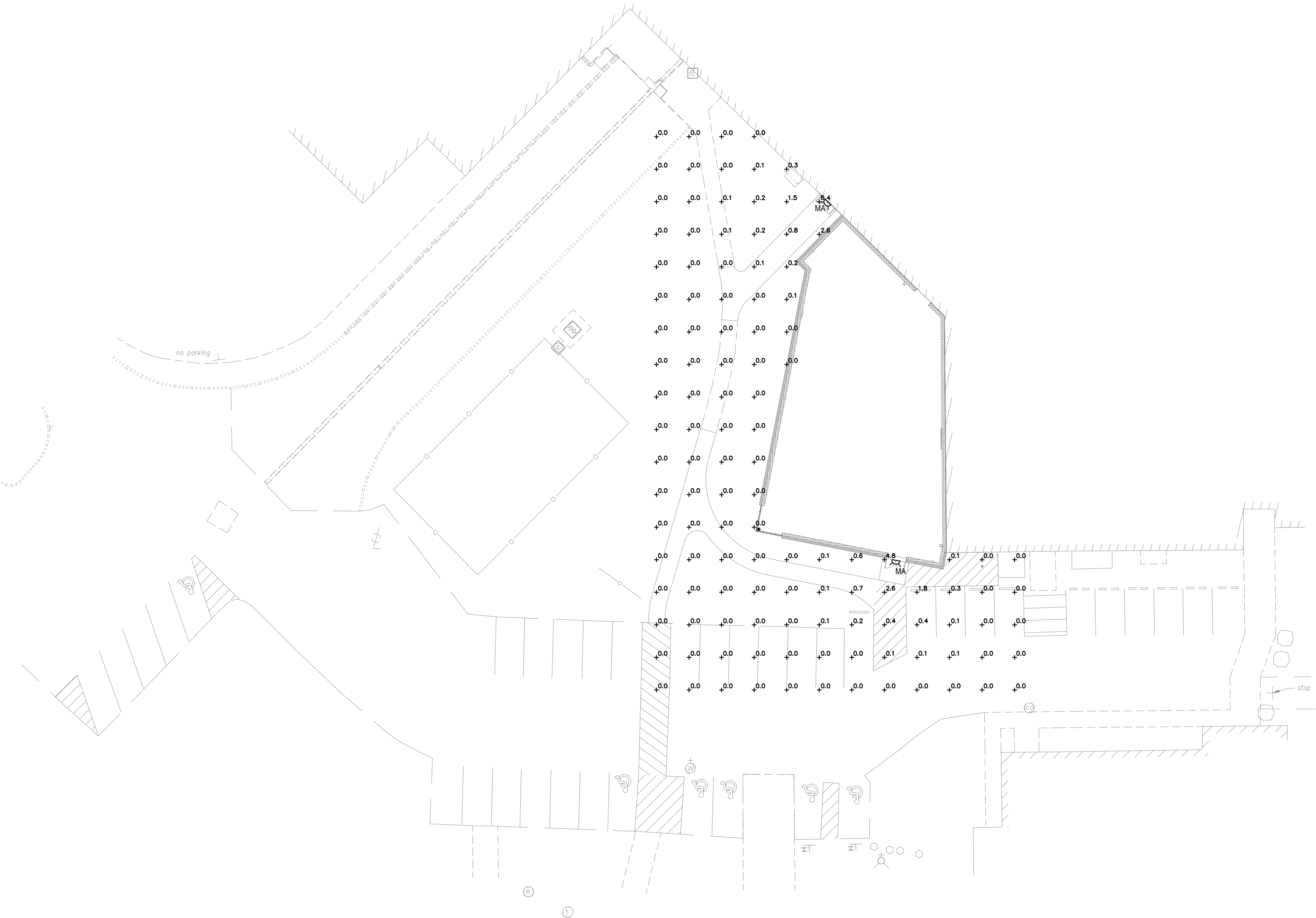
#### A3 PAVEMENT MARKINGS & NOTES

N.T.S.



Drawing Name: O:\2024\20240802 - HHS Fine Arts4\_Working Files\05\_Electrical\Photometrics\Electrical Site Photometric  
Plan.dwg  
Aug 11, 2025 4:44 PM - ECDam

A1 PHOTOMETRIC PLAN  
1" = 20'



Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone #3	+	0.2 fc	6.4 fc	0.0 fc	N/A	N/A

EXTERIOR LIGHTING FIXTURE SCHEDULE												
FIXTURE TAG	LAMP	COLOR TEMP.	LUMENS	DESCRIPTION	VOLTAGE	WATTS	MANUFACTURER	CATALOG NUMBER	BUG RATING	FIXTURE COLOR	MOUNTING	REMARKS
MA	LED	3000K	1,509L	EXTERIOR WALL MOUNT LUMINAIRE, FULL CUTOFF, IP66, DARK SKY APPROVED.	MVOLT	12 VA	LUMARK	#AXCS1A-W-CBP	B - 1 / U - 0 / G - 0	BRONZE	WALL	MOUNT CENTERED ABOVE DOOR(S) AT 9' - 0" ABOVE GRADE.

DESCRIPTION	
DATE	
REV	

PRELIMINARY DRAFT  
NOT FOR CONSTRUCTION,  
BID, RELIANCE,  
RECORDING PURPOSES  
OR IMPLEMENTATION.

HUDSON HIGH SCHOOL - ORCHESTRA ADDITION  
2500 HUDSON AURORA RD. HUDSON, OH 44236

ELECTRICAL SITE  
PHOTOMETRIC PLAN

ISSUED FOR:	
PERMIT	
BID	
CONSTRUCTION	
RECORD	
PROJECT MANAGER	DESIGNER
JP	DC

JOB NO.  
2024098.02

ES-101



Project		Catalog #		Type	
Prepared by		Notes		Date	



# Lumark

## Axcent

### Wall Mount Luminaire

#### Product Features



#### Product Certifications



#### Interactive Menu

- Ordering Information [page 2](#)
- Mounting Details [page 3](#)
- Product Specifications [page 4](#)
- Energy and Performance Data [page 4](#)
- Control Options [page 6](#)

#### Quick Facts

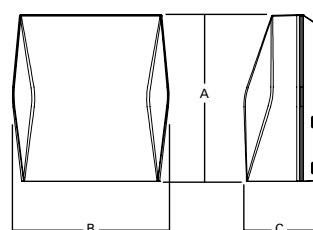
- Available in 12W - 116W (1,800 - 16,000 lumens) models
- Full cutoff and refractive lens models available
- Energy and maintenance savings up to 95% compared to HID
- Energy efficient illumination results in up to 177LPW
- Replaces 70W up to 450W HID equivalents

#### Connected Systems

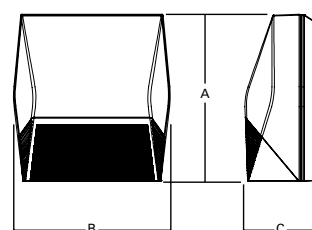
- WaveLinx PRO Wireless
- WaveLinx LITE Wireless
- Enlighted

#### Dimensional Details

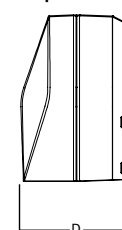
Full Cutoff



Refractive Lens



Deep Back Housing



Dimensional Data

	AXCS Small	AXCL Large
A	8" [202mm]	11-1/2" [292mm]
B	7-1/2" [190mm]	10-3/4" [273mm]
C	3-5/8" [94mm]	4-7/8" [124mm]
D	6-1/8" [155mm]	7-1/8" [181mm]



## Ordering Information

SAMPLE NUMBER: AXCS1A-AP-347V

Domestic Preferences <sup>27</sup>	Model Series <sup>1</sup>	LED Color Temperature	Color	Options (Add as Suffix)
<b>[Blank]</b> =Standard <b>BAA</b> =Buy American Act <b>TAA</b> =Trade Agreements Act	<b>Full Cutoff</b> <b>AXCS1A</b> =12W <b>AXCS2A</b> =16W <b>AXCS3A</b> =23W <b>AXCS4A</b> =38W <b>AXCS5A</b> =45W <b>AXCL6A</b> =50W <b>AXCL8A</b> =66W <b>AXCL10A</b> =89W <b>AXCL12A</b> =116W  <b>Refractive Lens</b> <b>AXCS1ARL</b> =12W <b>AXCS2ARL</b> =16W <b>AXCS3ARL</b> =23W <b>AXCS4ARL</b> =38W <b>AXCS5ARL</b> =45W <b>AXCL6ARL</b> =50W <b>AXCL8ARL</b> =66W <b>AXCL10ARL</b> =89W <b>AXCL12ARL</b> =116W	<b>[Blank]</b> =4000K, Neutral <b>C</b> =5000K, Cool <b>W</b> =3000K, Warm	<b>[Blank]</b> =Carbon Bronze (Standard) <b>WT</b> =Summit White <b>BK</b> =Black <b>AP</b> =Grey <b>GM</b> =Graphite Metallic <b>DP</b> =Dark Platinum	<b>347V</b> =347V <sup>2</sup> <b>480V</b> =480V <sup>2</sup> <b>PC1</b> =Photocontrol 120V <sup>3,4,5</sup> <b>PC2</b> =Photocontrol 208-277V, 347V, 480V <sup>4,5,6</sup> <b>PC</b> =Photocontrol 120-277V, 347V, 480V <sup>4,7,8</sup> <b>KKIT</b> =Knuckle Floodlight Mount <sup>7</sup> <b>TRNKIT</b> =Trunnion Floodlight Mount <b>SFKIT</b> =Slipfitter Floodlight Mount <b>PMakit</b> =Pole Mount Arm <b>WPS2XX</b> =Wavelinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting Height <sup>4,9,10,11</sup> <b>WPS4XX</b> =Wavelinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting Height <sup>4,9,10,11</sup> <b>WLS2XX</b> =WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting <sup>4,9,10,11</sup> <b>WLS4XX</b> =WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting <sup>4,9,10,11</sup> <b>LWR-LW</b> =Enlighted Wireless Sensor, Wide Lens for 8' - 16' Mounting Height <sup>4,9,12</sup> <b>LWR-LN</b> =Enlighted Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height <sup>4,9,12</sup> <b>MSP/DIM-L12</b> =Integrated Sensor for Dimming Operation, 8' - 12' Mounting Height <sup>4,9,13</sup> <b>MSP/DIM-L30</b> =Integrated Sensor for Dimming Operation, 12' - 30' Mounting Height <sup>4,9,13</sup> <b>MSP-L12</b> =Integrated Sensor for ON/OFF Operation, 8' - 12' Mounting Height <sup>4,9,13</sup> <b>MSP-L30</b> =Integrated Sensor for ON/OFF Operation, 12' - 30' Mounting Height <sup>4,9,13</sup> <b>CBP</b> =Cold Weather Battery Pack <sup>3,14,15,16,17,18</sup> <b>CBP-CEC</b> =Cold Weather Battery Pack, CEC compliant <sup>3,14,15,16,17,18</sup> <b>10K</b> =10kV/10kA Surge Protection <b>HA</b> =50°C High Ambient <sup>15,19</sup> <b>GRF</b> =Glare Reducing Lens <sup>20</sup> <b>AHD145</b> =After Hours Dim, 5 Hours <sup>5,21</sup> <b>AHD245</b> =After Hours Dim, 6 Hours <sup>5,21</sup> <b>AHD255</b> =After Hours Dim, 7 Hours <sup>5,21</sup> <b>AHD355</b> =After Hours Dim, 8 Hours <sup>5,21</sup>
Accessories (Order Separately) <sup>22,28</sup>				
<b>VS/AXCS-XX</b> =Vandal Shield Axcent Small <sup>7,23</sup> <b>VS/AXCS-MS</b> =Vandal Shield Axcent Small (With Motion Sensor) <sup>7,23</sup> <b>WG/AXCS</b> =Wire Guard Axcent Small <sup>7</sup> <b>WG/AXCS-MS</b> =Wire Guard Axcent Small (With Motion Sensor) <sup>7</sup> <b>VS/AXCL-XX</b> =Vandal Shield Axcent Large <sup>5,23</sup> <b>VS/AXCL-MS</b> =Vandal Shield Axcent (With Motion Sensor) <sup>5,23</sup> <b>WG/AXCL</b> =Wire Guard Axcent Large <sup>5</sup> <b>WG/AXCL-MS</b> =Wire Guard Axcent (With Motion Sensor) <sup>5</sup> <b>BB/AXC</b> =Axcent Lumen Select Back Box, Carbon Bronze <sup>24</sup> <b>BB/AXC-PC</b> =Axcent Lumen Select Back Box with PC, Carbon Bronze <sup>24,25</sup> <b>BB/AXC-WT</b> =Axcent Lumen Select Back Box, Summit White <sup>24</sup> <b>BB/AXC-WT-PC</b> =Axcent Lumen Select Back Box with PC, Summit White <sup>24,25</sup>				
<b>NOTES:</b> 1. DesignLights Consortium® Qualified. Refer to <a href="http://www.designlights.org">www.designlights.org</a> Qualified Products List under Family Models for details. 2. Transformer used only when ordered with motion sensor or AXCS1 through AXCS5 or AXCL6 fixture wattages. 3. Not available in 347 or 480 VAC. 4. Button photocontrol and any motion sensor (MSP or LWR) not offered together. 5. Only available on AXCL6-AXCL12 models. 6. Used with 277, 347, and 480 VAC options. 7. Only available on AXCS1-AXCS5 models. 8. This configuration may contain materials that are not RoHS compliant. Contact your lighting representative for more information. 9. Uses deep back housing. 10. Sensor passive infrared (PIR) may be overly sensitive when operating below -20°C (-4°F). For the device to be field-configurable, requires WAC Gateway components WAC-PoE and WPOE-120 in appropriate quantities. Only compatible with WaveLinx system and software and requires system components to be installed for operation. See website for more Wavelinx application information. 11. Replace XX with sensor color (WH, BZ, or BK). 12. Enlighted wireless sensors are factory installed and require network components LWP-EM-1, LWP-GW-1, and LWP-PoE8 in appropriate quantities. See website for application information. 13. The ISHH-01 accessory is required to adjust parameters. 14. Ambient operating temperature -20°C to 25°C for AXCL6 through AXCL10. Ambient operating temperature -20°C to 30°C on AXCS4 models. Ambient operating temperature -20°C to 40°C on AXCS1 through AXCS3 models. 15. Not available with AXCS5 or AXCL12 models. 16. Uses deep back housing for AXCS1, AXCL2, AXCS3, and AXCS4 models. 17. Not to be mounted in upwards / inverted orientation. Downlight wall mount only for AXCS1 through AXCS4. 18. CBP cannot be used with PC and motion sensor (MSP or LWR). CBP can be used with PC or motion sensor (MSP or LWR). 19. Can not be ordered with CBP or PC options. 20. Use dedicated IES files on product website for lumen values and distributions. 21. Requires the use of PC1 or PC2 button photocontrol. See After Hours Dim supplemental guide for additional information. 22. Replace XX with color designation. 23. For use with full cutoff lens configurations only. 24. Lumen Select functionality not available in conjunction with any motion sensor option (MSP or LWR). Photocontrol back box not available with any photocontrol or motion sensor options (PC, MSP or LWR). 25. Photocell only operates at 120-277V input voltages. Not for use with 347 or 480V systems. 26. This tool enables adjustment to parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative for more information. 27. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to <a href="http://DOMESTIC.PREFERENCES">DOMESTIC.PREFERENCES</a> website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. 28. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.				

## Stock Ordering Information

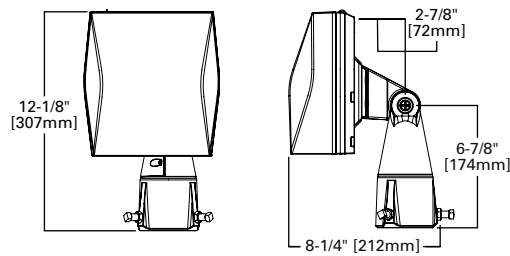
Model Series <sup>1</sup>			
Full Cutoff		Refractive Lens	
AXCS1A=12W	AXCL10A=102W	AXCS1ARL=12W	AXCL10ARL=89W
AXCS2A=16W	AXCL12A=123W	AXCS2ARL=16W	AXCL12ARL=116W
AXCS3A=23W	AXCL6A-347V=50W	AXCS3ARL=23W	AXCL6ARL-347V=50W
AXCS4A=38W	AXCL8A-347V=66W	AXCS4ARL=38W	AXCL8ARL-347V=66W
AXCS5A=45W	AXCL10A-347V=89W	AXCS5ARL=45W	AXCL10ARL-347V=89W
AXCL6A=56W	AXCL12A-347V=116W	AXCL6ARL=50W	AXCL12ARL-347V=116W
AXCL8A=72W		AXCL8ARL=66W	

**Note:** All stock configurations are 4000K color temperatures, standard Carbon Bronze finish, and wall mount configuration.

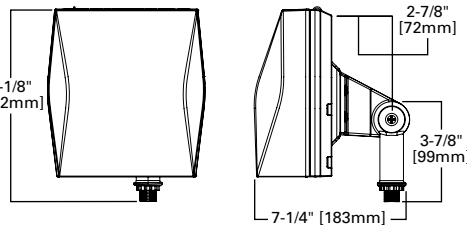


## Mounting Details

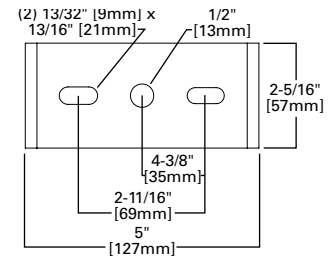
**Slipfitter Mount (Small)**  
Tenon OD: 2-3/8" | EPA: 0.60



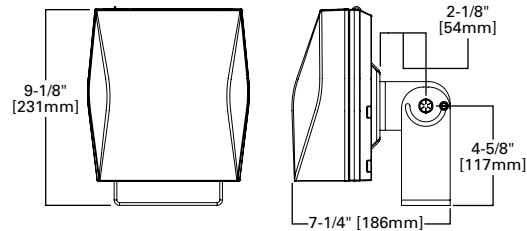
**Knuckle Mount (Small)**



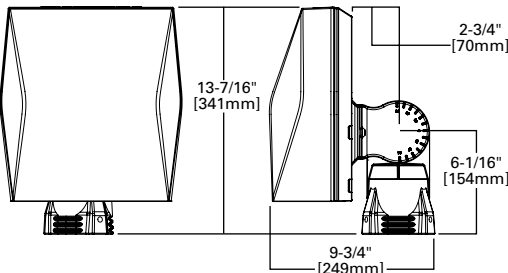
**Trunnion Mount Detail**



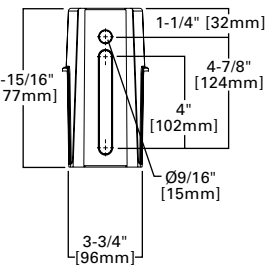
**Trunnion Mount (Small)**



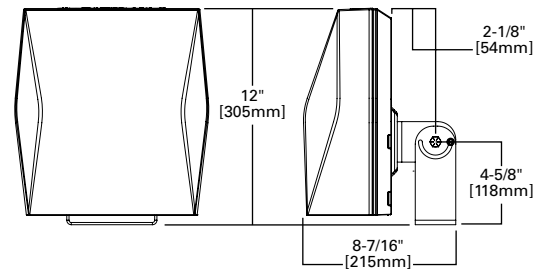
**Slipfitter Mount (Large)**  
Tenon OD: 2-3/8" to 2-7/8" | EPA: 1.10



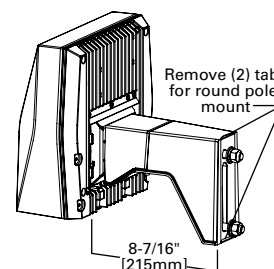
**Pole Mount Arm Drill Pattern**



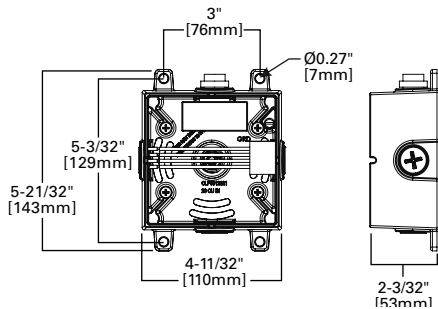
**Trunnion Mount (Large)**



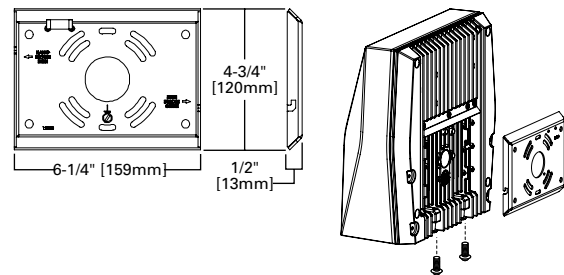
**Pole Mount Arm (Large)**  
EPA: 1.10



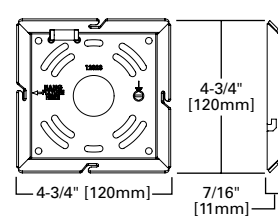
**Lumen Select Back Box**



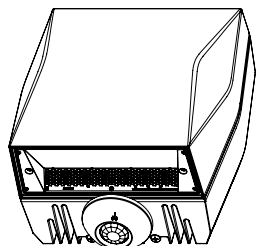
**Wall Mount Plate Detail (Large)**



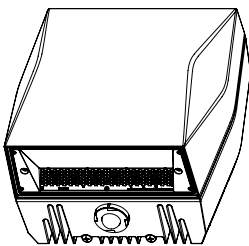
**Wall Mount Plate Detail (Small)**



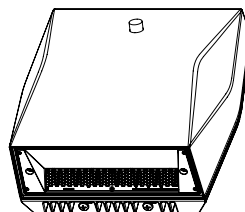
**Enlighted Sensor**



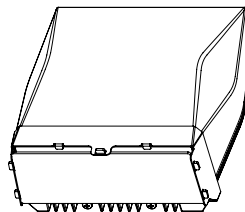
**Occupancy Sensor**



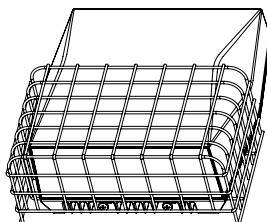
**Button Photocontrol**



**Vandal Shield**



**Wire Guard**





## Product Specifications

### Construction

- Die-cast aluminum housing
- External back fin design extracts heat from the surface to thermally optimize design for longer luminaire life

### Optics

- Dark Sky Approved (Fixed mount, Full cutoff, and 3000K CCT only)
- Silicone-sealed optical LED chamber
- Acrylic refractive or full cutoff lens options for Type IV distributions

### Electrical

- Standard universal voltage (120-277V, 50/60Hz)
- Driver incorporates 6kV surge protection
- -40°C minimum operating temperature
- 40°C maximum operating temperature
- <20% total harmonic distortion
- 0-10V dimming driver is standard with leads external to the fixture

### Mounting

- Steel wedge mounting plate fits directly to 4" standard j-box or directly to wall with the "Hook-N-Lock" mechanism
- Stainless steel set screws
- Lumen Select Back Box accessory offers four 1/2" NPT conduit entry wire ways. Resistor Pack combinations allow field-dimming of 75% or 50% when connected to luminaire dimming leads
- Not suitable for indoor use when installed in inverted/uplight orientation

### Emergency Egress

- Optional integral cold weather battery emergency egress includes emergency operation test switch, an AC-ON indicator light and a premium, maintenance-free battery pack
- The separate emergency lighting LEDs are wired to provide redundant emergency lighting. Listed to UL Standard 924, Emergency Lighting

### Finish

- Five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness

### Shipping Data

- Small fixture=5 lbs. [2.36 kgs.]
- Small with sensor or CBP=10 lbs. [4.40 kgs.]
- Large fixture=12 lbs. [5.45 kgs.]
- Large with sensor or CBP=17 lbs. [7.73 kgs.]
- Large with sensor & CBP=21 lbs. [9.54 kgs.]

### Warranty

- Five year limited warranty, consult website for details. [www.cooperlighting.com/legal](http://www.cooperlighting.com/legal)

## Energy and Performance Data

### Power and Lumens (Axcent Small)

Light Engine		AXCS1A	AXCS2A	AXCS3A	AXCS4A	AXCS5A
Power (Watts)		12	16	23	38	45
Input Current @ 120V (A)		0.10	0.13	0.19	0.32	0.38
Input Current @ 240V (A)		0.05	0.07	0.10	0.16	0.19
Input Current @ 277V (A)		0.04	0.06	0.08	0.14	0.16
Input Current @ 347V (A)		0.03	0.05	0.07	0.11	0.13
Input Current @ 480V (A)		0.03	0.03	0.05	0.08	0.09
Configuration						
Full Cutoff	4000K/5000K Lumens	1,786	2,589	3,551	5,500	6,348
	3000K Lumens	1,509	2,188	3,001	4,648	5,365
	BUG Rating	B1-U0-G0	B1-U0-G0	B1-U0-G0	B2-U0-G1	B2-U0-G1
Refractive Lens	4000K/5000K Lumens	1,894	2,745	3,765	5,832	6,731
	3000K Lumens	1,600	2,320	3,182	4,928	5,688
	BUG Rating	B1-U3-G2	B1-U3-G2	B1-U3-G2	B1-U4-G3	B1-U4-G3

### Power and Lumens (Axcent Large)

Light Engine		AXCL6A	AXCL8A	AXCL10A	AXCL12A
Power (Watts)		50	66	89	115
Input Current @ 120V (A)		0.41	0.54	0.74	0.96
Input Current @ 240V (A)		0.21	0.27	0.37	0.48
Input Current @ 277V (A)		0.18	0.24	0.32	0.42
Input Current @ 347V (A)		0.14	0.19	0.26	0.33
Input Current @ 480V (A)		0.10	0.14	0.19	0.24
Configuration					
Full Cutoff	4000K Lumens	7,594	9,716	12,719	16,302
	5000K Rating	7,501	9,598	12,564	16,103
	3000K Lumens	6,502	8,319	10,890	13,958
	BUG Rating	B2-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G2
Refractive Lens	4000K Lumens	7,809	10,331	13,665	16,637
	5000K Rating	7,714	10,205	13,498	16,434
	3000K Lumens	6,686	8,845	11,700	14,244
	BUG Rating	B1-U4-G4	B2-U5-G5	B2-U5-G5	B2-U5-G5



## Energy and Performance Data

### Power and Lumens (Small + CBP)

Light Engine		AXCS1A	AXCS2A	AXCS3A	AXCS4A
Power (Watts)		16	20	27	42
Input Current @ 120V (A)		0.13	0.17	0.23	0.35
Input Current @ 240V (A)		0.07	0.08	0.11	0.18
Input Current @ 277V (A)		0.06	0.07	0.10	0.15
Configuration					
Full Cutoff	4000K/5000K Lumens	742	792	789	644
	3000K Lumens	627	670	667	545
Refractive Lens	4000K/5000K Lumens	787	841	837	684
	3000K Lumens	664	710	708	655

**Note:** Power and current based on full power consumption while CBP is charging. Lumen outputs are while operating in emergency mode only.

### Power and Lumens (Large + CBP)

Light Engine		AXCL6A	AXCL8A	AXCL10A
Power (Watts)		54	70	93
Input Current @ 120V (A)		0.45	0.58	0.77
Input Current @ 240V (A)		0.22	0.29	0.38
Input Current @ 277V (A)		0.19	0.25	0.33
Configuration				
Full Cutoff	4000K/5000K Lumens	141*10W=1410		
	3000K Lumens	122*10=1220		
Refractive Lens	4000K/5000K Lumens	151*10=1510		
	3000K Lumens	131*10=1310		

**Note:** Power and current based on full power consumption while CBP is charging. Lumen outputs are while operating in emergency mode only.

### Power and Lumens Multipliers (Lumen Select Back Box + Axcent Small)

Configuration		~75% Nominal Output	~50% Nominal Output
Catalog Number	Material Number	Connect per Installation Instructions	
AXCS1A*	13109741 or 13109939 or Other	74%	50%
AXCS2A*	13109698 or 13109938 or Other	74%	50%
AXCS3A*	13109697 or 13109937 or Other	74%	50%
AXCS4A*	13109695 or 13109936	75%	40%
AXCS4A*	13495299 or 13495470 or Other	72%	50%
AXCS5A*	13109652 or 13109935	75%	40%
AXCS5A*	13495471 or 13495472 or Other	72%	50%

### Power and Lumens Multipliers (Lumen Select Back Box + Axcent Large)

Configuration		~75% Nominal Output	~50% Nominal Output
Catalog Number	Material Number	Connect per Installation Instructions	
AXCL6A*	13645910 or 13645979	69%	47%
AXCL8A*	13645970 or 13645984	69%	47%
AXCL10A*	13645971 or 13645989	69%	47%
AXCL12A*	13645972 & 13645993	72%	49%

### Lumen Maintenance (Axcent Small)

Ambient Temperature	TM-21 Lumen Maintenance (72,000 Hours)
Up to 3A	
25°C	88%
40°C	87%
50°C	87%
Up to 4A	
25°C	88%
40°C	87%
50°C	87%
Up to 5A	
25°C	87%
40°C	86%

### Lumen Maintenance (Axcent Large)

Ambient Temperature	TM-21 Lumen Maintenance (72,000 Hours)
Up to 8A	
25°C	89%
40°C	87%
50°C	86%
Up to 10A	
25°C	88%
40°C	86%
50°C	85%
Up to 12A	
25°C	85%
40°C	82%

### Lumen Multiplier

Ambient Temperature	Lumen Multiplier
10°C	1.02
15°C	1.01
25°C	1.00
40°C	0.97



## Control Options

**0-10V** This fixture is offered standard with 0-10V dimming driver(s) for use with a lighting control panel or other control method.

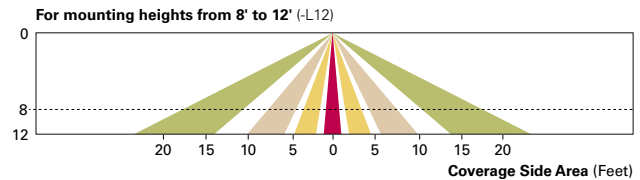
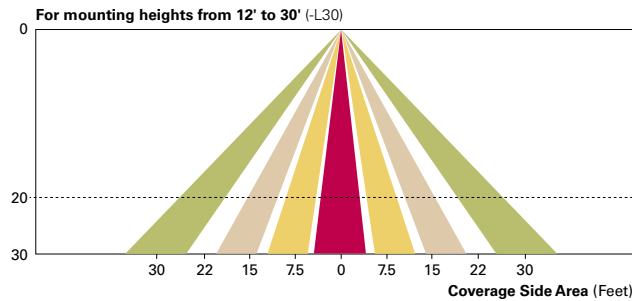
**Photocontrol** (PC1, PC2 and PC) Optional button-type photocontrol provides a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels.

**After Hours Dim** (AHD) This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

**Dimming Occupancy Sensor** (MSP/DIM-LXX and MSP-LXX) These sensors are factory installed in the luminaire housing. When the MSP/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MSP/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of ten minutes. The MSP-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity.

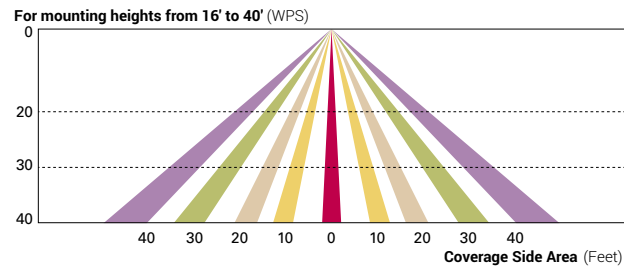
These occupancy sensors includes an integrated photocell that can be activated with the ISHH-01 accessory for "dusk-to-dawn" control or daylight harvesting - the factory preset is ON. The ISHH-01 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters.

A variety of sensor lens are available to optimize the coverage pattern for mounting heights from 8'-30'.



**WaveLinx Wireless Control and Monitoring System** The WaveLinx Outdoor control platform operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. Use the WaveLinx Mobile application for set-up and configuration. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets).

**WaveLinx Wireless Sensor** (WPS2 and WPS4) These outdoor sensors offer passive infrared (PIR) occupancy and a photocell for closed loop daylight sensing. These sensors are factory preset to dim down to approximately 50 percent power after 15 minutes of no activity detected. These occupancy sensors include an integral photocell for "dusk-to-dawn" control or daylight harvesting that is factory-enabled. A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 7'-40'.



**Enlighted Wireless Control and Monitoring System** (LWR-LW and LWR-LN) The Enlighted System is a connected lighting solution that combines LED luminaires with an integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of other resources beyond lighting.

