









1. 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.

2. 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, COUNTY ENGINEER, PROJECT ENGINEER OR SOIL AND WATER CONSERVATION SERVICE REPRESENTATIVE AT ANYTIME. SUCH REQUESTS AND CHANGE IN SITE CONDITIONS SHALL BE IMPLEMENTED IMMEDIATELY AT CONTRACTOR'S EXPENSE.
3. ALL STORM WATER POLLUTION PREVENTION PRACTICES SHALL BE INSTALLED BEFORE ANY OTHER EARTH MOVING OCCURS.
4. SEDIMENT BARRIERS SHALL BE INSTALLED DOWNSLOPE OF DISTURBED AREAS. SEDIMENT BARRIERS SHALL BE INSTALLED AROUND LEVEL CONTOURS. MAXIMUM CONTRIBUTING DRAINAGE AREA TO SEDIMENT BARRIERS 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.
5. SILT BARRIERS SHALL BE INSTALLED AROUND ALL EXISTING AND NEW STORM INLETS, CATCH BASINS AND YARD DRAINS. INSTALL ROCK CHECK DAMS FOR HEADWALL INLETS FOR STORM WATER POLLUTION PREVENTION.
6. 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.
7. SILT BARRIERS, CONSTRUCTION ENTRANCES, AND SILT 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.
8. 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.
9. CONSTRUCTION ENTRANCE SHALL BE UTILIZED, IF CONDITIONS ARE SUCH THAT MUD IS COLLECTING ON VEHICLE TIRES, THE TIRES MUST BE CLEANED BEFORE THE VEHICLES ENTER THE PUBLIC ROADWAY. THE SITE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT THE TRACKING OR FLOW OF MUD ONTO THE PUBLIC RIGHT-OF-WAY. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO THE ROADWAY MUST BE REMOVED PROMPTLY.
10. 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 SEEDDED AND MULCHED WITH TEMPORARY SEED MIXTURE.
11. CONCRETE WASHOUT FACILITY (IF APPLICABLE) SHALL BE CONSTRUCTED IN ACCORDANCE WITH PLAN DETAILS AND LOCAL GOVERNING AUTHORITY REGULATIONS AND INSTRUCTIONS.

1. 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.

2. 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.
3. REPORTS SHALL BE KEPT FOR 3 YEARS AFTER TERMINATION OF THE CONSTRUCTION ACTIVITIES.
4. 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).
5. 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.
6. FOR BMPs THAT DO NOT MEET THE INTENDED FUNCTION, A NEW BMP SHALL BE INSTALLED WITHIN 10 DAYS OF THE INSPECTION.
7. FOR MISSING BMPs REQUIRED, THE MISSING BMPs SHALL BE INSTALLED WITHIN 10 DAYS OF THE INSPECTION.

1. 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:

- a. PREVENT SPILLS
  - b. USE PRODUCTS UP
  - c. FOLLOW LABEL DIRECTIONS FOR DISPOSAL
  - d. REMOVE LIDS FROM EMPTY BOTTLES AND CANS WHEN DISPOSING IN TRASH
  - e. RECYCLE WASTES WHENEVER POSSIBLE
  - f. DON'T POUR INTO WATERWAYS, STORM DRAINS OR ONTO THE GROUND
  - g. DON'T POUR DOWN THE SINK, DOOR DRAIN OR SEPTIC TANKS
  - h. DON'T BURY CHEMICALS OR CONTAINERS
  - i. DON'T BURN CHEMICALS OR CONTAINERS
  - j. DON'T MIX CHEMICALS TOGETHER
2. ANY DISCHARGE OF PETROLEUM OR PETROLEUM PRODUCTS OF LESS THAN 25 GALLONS ONTO A PERVERSIVE 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. SPILLS OF 25 GALLONS OR MORE OF PETROLEUM PRODUCTS SHALL BE REPORTED TO THE OHIO EPA, THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MINUTES OF THE DISCOVERY OF THE RELEASE. ALL SPILLS WHICH CONTACT WATERS OF THE STATE MUST BE REPORTED TO THE OHIO EPA.
  3. SPILL REPORTING REQUIREMENTS: SPILLS ON PAVEMENT SHALL BE ABSORBED WITH SAWDUST OR KITTY LITTER AND DISPOSED OF WITH THE TRASH AT A LICENSED SANITARY LAND FILL. HAZARDOUS OR INDUSTRIAL WASTES SUCH AS MOST SOLVENTS, GASOLINE, OIL-BASED PAINTS, AND CEMENT CURING COMPOUNDS REQUIRE SPECIAL HANDLING. SPILLS SHALL BE REPORTED TO THE OHIO EPA.
  4. 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 (C&D) WASTE MUST BE DISPOSED OF AT THE OHIO EPA APPROVED C&D LAND FILL.
  5. PROCESS WASTE WATER/LEACHATE MANAGEMENT : EPA'S CONSTRUCTION GENERAL PERMIT ONLY ALLOWS THE DISCHARGE OF STORM WATER AND DOES NOT INCLUDE OTHER WASTE STREAMS/DISCHARGES SUCH AS VEHICLE AND/OR EQUIPMENT WASHING, ON-SITE SEPTIC LEACHATE CONCRETE WASH OUTS, WHICH ARE CONSIDERED PROCESS WASTE. PROCESS WASTE WATERS MUST BE COLLECTED AND PROPERLY DISPOSED AT AN APPROVED DISPOSAL FACILITY. IN THE EVENT, LEACHATE OR SEPTAGE IS DISCHARGED, IT MUST BE ISOLATED FOR COLLECTION AND PROPER DISPOSAL AND CORRECTIVE ACTIONS TAKEN TO ELIMINATE THE SOURCE OF WASTE WATER.
  6. 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.
  7. NO CONSTRUCTION RELATED WASTE MATERIALS ARE TO BE BURIED OR BURNED ON-SITE.
  8. 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.
  9. EQUIPMENT FUELING AND MAINTENANCE, OIL CHANGING, ETC., SHALL BE PERFORMED AWAY FROM WATERCOURSES, DITCHES OR STORM DRAINS, IN AN AREA DESIGNATED FOR THAT PURPOSE. THE DESIGNATED AREA SHALL BE EQUIPPED FOR RECYCLING OIL AND CATCHING SPILLS. SECONDARY CONTAINMENT SHALL BE PROVIDED FOR ALL FUEL, OIL, AND SPILL TANKS. THESE AREAS MUST BE INSPECTED EVERY SEVEN DAYS AND WITHIN 24 HRS. OF A 0.5 INCH OR GREATER RAIN EVENT TO ENSURE THERE ARE NO EXPOSED MATERIALS WHICH WOULD CONTAMINATE STORM WATER. SITE OPERATORS MUST BE AWARE THAT SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) REQUIREMENTS MAY APPLY. AN SPCC PLAN IS REQUIRED FOR SITES WITH ONE SINGLE ABOVE GROUND TANK OF 660 GALLONS OR MORE, ACCUMULATIVE ABOVE GROUND STORAGE OF 1330 GALLONS OR MORE, OR 42,000 GALLONS OF UNDERGROUND STORAGE. CONTAMINATED SOILS MUST BE PROPERLY DISPOSED OF IN ACCORDANCE WITH LOCAL GOVERNING AUTHORITY REGULATIONS. SPCC PLAN AND APPROVALS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
  10. 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 AUTHORIZED UNDER CURRENT REGULATIONS OF CONSTRUCTION ACTIVITIES.

1. STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS AND SEDIMENT TRAPS SHALL BE INSTALLED AND STABILIZED WITH TEMPORARY SEEDING PRIOR TO GRADING THE REST OF THE CONSTRUCTION SITE.

2. TEMPORARY SEEDING / STABILIZATION SHALL BE APPLIED WITHIN THE FOLLOWING TIME FRAMES FOR VARIOUS AREAS OF THE SITE:
  - 2.1. ANY DISTURBED AREA WITHIN 50 FEET OF A WATERCOURSE AND NOT AT FINAL GRADE SHALL BE SEEDED AND MULCHED WITHIN 2 DAYS OF THE MOST RECENT DISTURBANCE, IF THAT AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS.
  - 2.2. ALL CONSTRUCTION ACTIVITIES IN ANY DISTURBED AREA, INCLUDING SOIL STOCKPILES THAT WILL BE IDLE FOR MORE THAN 14 DAYS BUT LESS THAN ONE YEAR, AND NOT WITHIN 50 FEET OF A WATERCOURSE SHALL BE SEEDED AND MULCHED WITHIN 7 DAYS OF THE MOST RECENT DISTURBANCE IN THE AREA.
  - 2.3. DISTURBED AREAS THAT WILL BE IDLE OVER THE WINTER SHALL BE SEEDED AND MULCHED PRIOR TO NOVEMBER 1.
3. THE SEED BED SHOULD BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION. TEMPORARY SEEDING SHOULD NOT BE POSTPONED IF IDEAL SEED BED PREPARATION IS NOT POSSIBLE.
4. TEMPORARY VEGETATION SEEDING RATES SHALL ESTABLISH ADEQUATE STANDS OF VEGETATION, WHICH MAY REQUIRE USE OF SOIL AMENDMENTS. BASE RATES FOR LIME AND FERTILIZER SHALL BE USED.
5. ALL SEED MIXES AND SEEDING RATES USED SHALL BE APPROVED BY THE LOCAL GOVERNING AUTHORITY AND THE OWNER.
6. SEED SHALL BE APPLIED UNIFORMLY WITH A CYCLONE SPREADER, DRILL, CULTIPACKER, SEEDER, OR HYDROSEEDER. WHEN FEASIBLE, SEED THAT HAS BEEN BROADCAST SHALL BE COVERED BY RAKING OR DRAGGING AND THEN LIGHTLY TAMPED INTO PLACE USING A ROLLER OR CULTIPACKER. IF HYDROSEEDING IS USED, THE SEED AND FERTILIZER WILL BE MIXED ON-SITE AND THE SEEDING SHALL BE DONE IMMEDIATELY AND WITHOUT INTERRUPTION.
7. APPLICATIONS OF TEMPORARY SEEDING SHALL INCLUDE MULCH, WHICH SHALL BE APPLIED DURING OR IMMEDIATELY AFTER SEEDING. SEEDINGS MADE DURING OPTIMUM SEEDING DATES ON FAVORABLE, VERY FLAT SOIL CONDITIONS MAY NOT NEED MULCH TO ACHIEVE ADEQUATE STABILIZATION. IF MULCH IS USED, FOLLOW THE REQUIREMENTS AND INSTRUCTIONS IN THE MULCH APPLICATION.

1. 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.

2. MULCH SHALL CONSIST OF ONE OF THE FOLLOWING:
  - 2.1. STRAW SHALL BE UNROTTED SMALL GRAIN STRAW APPLIED AT THE RATE OF 2 TONS/AC. OR 90 LB./1,000 SQ. FT. (TWO TO THREE BALES) THE STRAW MULCH SHALL BE SPREAD UNIFORMBY 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.
  - 2.2. WOOD CELLULOSE FIBER SHOULD BE USED AT 2,000 LB.AC, OR 46 LB./1,000 SQ. FT.
  - 2.3. ACCEPTABLE MULCHES INCLUDE MULCH MATTINGS AND ROLLED EROSION CONTROL PRODUCTS APPLIED IN ACCORDANCE TO MANUFACTURER'S RECOMMENDATIONS OR WOOD MULCH/CHIPS APPLIED AT 10-20 TONS/AC.
3. MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR RUNOFF. THE FOLLOWING ARE ACCEPTABLE METHODS FOR ANCHORING MULCH.
  - 3.1. 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.
  - 3.2. 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.
  - 3.3. FOR STRAW MULCH, SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRI-TAC), DCA-70, PESTICIDE TREATMENT, OR OTHERS ARE TO 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.
  - 3.4. 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.

1. DUST CONTROL SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. IF POSSIBLE GRADING SHALL BE DONE BY PHASING IN ORDER TO MINIMIZE THE AMOUNT OF LAND DISTURBANCE AT ONE TIME. IF PHASING IS NOT AN OPTION, DUST SHALL BE CONTROLLED WITH WATER DURING EARTHWORK OPERATIONS. AFTER EARTHWORK OPERATIONS, THE EXPOSED SOILS SHALL BE COVERED WITH STRAW OR MULCH UNTIL SEEDS.

2. DUST CONTROL OR DUST SUPPRESSANTS MAY BE USED TO PREVENT NUISANCE CONDITIONS WHEN APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION. WHEN USED, SUPPRESSANTS SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND IN A MANNER, WHICH PREVENTS A DISCHARGE TO WATERS OF THE STATE. SUFFICIENT DISTANCE MUST BE PROVIDED BETWEEN APPLICATIONS AND NEARBY BRIDGES, CATCH BASINS, AND OTHER WATERWAYS. APPLICATION (EXCLUDING WATER) MAY NOT OCCUR WHEN RAIN IS IMMINENT AS NOTED IN THE SHORT TERM FORECAST. OIL MAY NOT BE APPLIED FOR DUST CONTROL.
3. SUGGESTED METHODS OF CONSTRUCTION DUST CONTROL MAY INCLUDE THE FOLLOWING:
  - 3.1. 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.
  - 3.2. APPLY TEMPORARY OR PERMANENT SEEDING AND MULCH TO AREAS THAT WILL REMAIN IDLE FOR OVER 14 DAYS. USING EXISTING TREES AND LARGE SHRUBS WILL ALSO REDUCE SOIL AND AIR MOVEMENT ACROSS DISTURBED AREAS.
  - 3.3. SPRAY DISTURBED SITE WITH WATER UNTIL THE SURFACE IS WET BEFORE ANY GRAVING OR GRADING TO REPEAT AS NEEDED, ESPECIALLY ON HAIL 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.
  - 3.4. 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.
  - 3.5. EXISTING WINDBREAK VEGETATION SHALL BE MARKED AND PRESERVED TO THE EXTENT POSSIBLE. SNOW FENCING OR OTHER SUITABLE BARRIER MAY BE PLACED PERPENDICULAR TO PREVAILING AIR CURRENTS AT INTERVALS OF ABOUT 15 TIMES THE BARRIER HEIGHT TO REDUCE DUST CONTROL AIR CURRENTS AND BLOWING SOIL.
  - 3.6. WHEN TEMPORARY DUST CONTROL MEASURES ARE USED, REPETITIVE TREATMENT SHOULD BE APPLIED AS NEEDED TO ACCOMPLISH SATISFACTORY CONTROL.
  - 3.7. PAVED AREAS THAT HAVE ACCUMULATED SEDIMENT FROM CONSTRUCTION SHOULD BE CLEANED DAILY, OR AS NEEDED, UTILIZING A STREET SWEEPER OR BUCKET-TYPE ENDLOADER OR SCRAPER.

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.

1. PUMPING OF WATER TO AN EXISTING SEDIMENT BASIN OR TRAP IN WHICH THE ENTIRE VOLUME OF WATER FROM THE AREA TO BE DETERAED CAN BE CONTAINED WITHOUT DISCHARGE TO RECEIVING WATERS.
2. PUMPING OF WATER TO AN EXISTING SEDIMENT BASIN OR TRAP SUCH THAT THE ENTIRE VOLUME OF WATER FROM THE AREA TO BE DETERAED CAN BE MANAGED WITHOUT EXCEEDING THE DESIGN FLOW FROM THE SEDIMENT CONTROL STRUCTURE.
3. USE OF A STRAW BALE/SILT FENCE PIT OR TRAP AS DESCRIBED HEREIN AND APPROVED BY THE LOCAL GOVERNING AUTHORITY.
4. PUMPING WATER THROUGH A GEOTEXTILE BAG MADE SPECIFICALLY FOR THIS PURPOSE.
5. A WELL-VEGETATIVE FILTER STRIP, CAPABLE OF WITHSTANDING THE VELOCITY OF DISCHARGED WATER WITHOUT ERODING, INCLUDING THE INSTALLATION OF ENERGY DISSIPATION (HYABALES, RIPRAP OR SHEET OF PLYWOOD) AT THE PUMP DISCHARGE.
6. USE A PUMP PIT TO REDUCE THE PUMPING OF MUD.

DEWATERING OF SEDIMENT TRAPS AND BASINS. IN ALL CASES, WATER REMOVED FROM TRAPS AND BASINS SHALL BE DISCHARGED SO THAT IT PASSES THROUGH A SEDIMENT CONTROL DEVICE APPROVED BY THE LOCAL GOVERNING AUTHORITY PRIOR TO ENTERING RECEIVING WATERS. PRACTICES FOR DEWATERING OF TRAPS AND BASINS MAY INCLUDE SOME OR ALL OF THE FOLLOWING AS MAY BE APPROVED AND APPLICABLE. IN ALL CASES, THE DEWATERING OPERATIONS UTILIZED MAY BE CONTINUOUSLY MONITORED BY THE CONTRACTOR.

1. USE OF A STRAW BALE/SILT FENCE PIT OR TRAP.
- 1.1. AN EXCAVATED BASIN (APPLICABLE TO "STRAW BALE/SILT FENCE PIT") MAY BE LINED WITH FILTER FABRIC TO HELP REDUCE SCOUR AND TO PREVENT EROSION OF SOIL FROM WITHIN THE STRUCTURE. IT MAY ALSO BE HELPFUL TO DIRECT THE DISCHARGE ONTO A HAY OR STRAW BALE OR RIPRAP.
- 1.2. MEASURES SHALL CONSIST OF STRAW BALES, SILT FENCE AND A STONE OUTLET CONSISTING OF A COMBINATION OF 4-8 INCH RIPRAP AND 1/2 TO 2 INCH AGGREGATE AND A WET STORAGE PIT ORIENTED AS SHOWN IN DRAWING.
- 1.3. THE EXCAVATED AREA SHOULD BE AT A MINIMUM OF 3 FEET BELOW THE BASE OF THE PERIMETER MEASURES (STRAW BALES OR SILT FENCE).
- 1.4. ONCE THE WATER LEVEL NEARS THE CREST OF THE STONE WEIR (EMERGENCY OVERFLOW), THE PUMP MUST BE STOPPED WHILE THE STRUCTURE DRAINS DOWN TO THE ELEVATION OF THE WET STORAGE.
- 1.5. THE WET STORAGE PIT MAY BE DEWATERED ONLY AFTER A MINIMUM OF 6 HOURS OF SEDIMENT SETTLING TIME. THIS EFFLUENT SHOULD BE PUMPED ACROSS A WELL-VEGETATED AREA OR THROUGH A SILT FENCE PRIOR TO ENTERING A WATERCOURSE.
- 1.6. ONCE THE DEVICE HAS BEEN REMOVED, GROUND CONTOURS SHALL BE RETURNED TO ORIGINAL CONDITION.
2. PUMPING WATER THROUGH A GEOTEXTILE BAG MADE SPECIFICALLY FOR THIS PURPOSE.
- 2.1. THE BAG SHALL BE INSTALLED ON A VERY SLIGHT SLOPE SO INCOMING WATER FLOWS DOWNHILL THROUGH THE BAG WITHOUT CREATING MORE EROSION.
- 2.2. THE TOP OPENING OF THE DEWATERING DEVICE SHALL HAVE A TALL SPOUT LARGE ENOUGH TO ACCOMMODATE THE DISCHARGE HOSE AND SHALL USE TWO STAINLESS STEEL STRAPS TO SECURE THE HOSE AND PREVENT PUMPED WATER FROM ESCAPING WITHOUT BEING FILTERED.
- 2.3. THE BAG SHOULD BE PLACED ON AN AGGREGATE OR HAY BALE BED TO MAXIMIZE WATER FLOW THROUGH THE ENTIRE SURFACE AREA OF THE BAG.
- 2.4. THE FILTER BAG IS FULL WHEN IT NO LONGER CAN EFFICIENTLY FILTER SEDIMENT OR PASS WATER AT A REASONABLE RATE.
- 2.5. FLOW RATES VARY DEPENDING ON THE SIZE OF THE DEWATERING DEVICE, AMOUNT OF SEDIMENT DISCHARGED INTO THE DEWATERING DEVICE, THE TYPE OF GROUND, ROCK, OR OTHER SUBSTANCE UNDER THE BAG AND THE DEGREE OF THE SLOPE ON WHICH THE BAG LIES. THE FILTER BAG SHOULD BE SIZED TO ACCOMMODATE THE ANTICIPATED FLOW RATES FROM THE TYPE OF PUMP USED. IN ALL CASES FOLLOW THE MANUFACTURERS RECOMMENDATIONS FOR PUMPING FLOW RATES.
- 2.6. THE FILTER BAG CAN BE LEFT IN PLACE AFTER CUTTING THE TOP OFF AND SEEDING AND MULCHING THE ACCUMULATED SEDIMENT OR REMOVED AND DISPOSED OF OFFSITE IN AN APPROVED LANDFILL.
3. 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. SUCH OTHER METHODS AS MAY BE APPROVED BY THE LOCAL GOVERNING AUTHORITY.
4. REGARDLESS OF THE TYPE OF TREATMENT, ALWAYS USE A FLOATING SUCTION HOSE TO PUMP THE CLEANER WATER FROM THE TOP OF THE POND. AS THE CLEANER WATER IS PUMPED, THE SUCTION HOSE WILL LOWER AND EVENTUALLY ENCOUNTER SEDIMENT-LADEN WATER. AT THIS POINT CEASE PUMPING OPERATIONS AND REMOVE THE REMAINDER OF THE TRAPPED SEDIMENT WITH MACHINERY. EVEN WHEN PUMPING FROM THE TOP OF THE WATER COLUMN, PROVISIONS MUST STILL BE MADE TO FILTER WATER AS REQUIRED IN THIS SECTION PRIOR TO DISCHARGING TO A STREAM. DURING THE DEWATERING, PERSONNEL SHOULD BE ASSIGNED TO MONITOR PUMPING OPERATIONS AT ALL TIMES TO ENSURE THAT SEDIMENT POLLUTION IS ABATED, PUMPING SEDIMENT-LADEN WATER INTO THE WATERS OF THE STATE WITHOUT FILTRATION IS PROHIBITED.
5. THE DEWATERING DEVICE MUST BE SIZED (AND OPERATED) TO ALLOW PUMPED WATER TO FLOW THROUGH THE FILTERING APPARATUS WITHOUT EXCEEDING THE CAPACITY OF THE STRUCTURE.

[illegible]

**OAK GROVE INCLUSIVE PLAYGROUND**  
CITY OF HUDSON, OHIO

# SWPP NOTES

ISSUED FOR:	
PERMIT	-
BID	-
CONSTRUCTION	-
RECORD	-

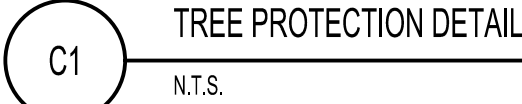
PROJECT MANAGER	DESIGNER
IV	JLC

JOB NO.  
2025041.04

SHEET: C-010

SHEET NO: 3/21



SWPPP AMENDMENT LOG

## GRADING AND STABILIZATION LOG

### COMPOST SOCK FABRIC MINIMUM SPECIFICATIONS

## TWO-PLY SYSTEMS

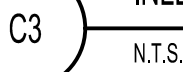
SOCK FABRICS COMPOSED OF BURLAP MAY BE USED ON PROJECTS LASTING 6 MONTHS OR LE



- A1 ) \_\_\_\_\_  
N.T.S.



- INLET PROTECTION - CURB INLET PROTECTION



- NOTES:

A2 INLET PROTECTION - SILT BARRIER  
N.T.S.

- 10) THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSLOPE SIDE OF THE

- 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.

- 13) SEAMS BETWEEN SECTION OF SILT FENCE SHALL BE OVERLAPPED WITH THE END STAKE OF EACH SECTION WRAPPED TOGETHER BEFORE DRIVING INTO THE GROUND.

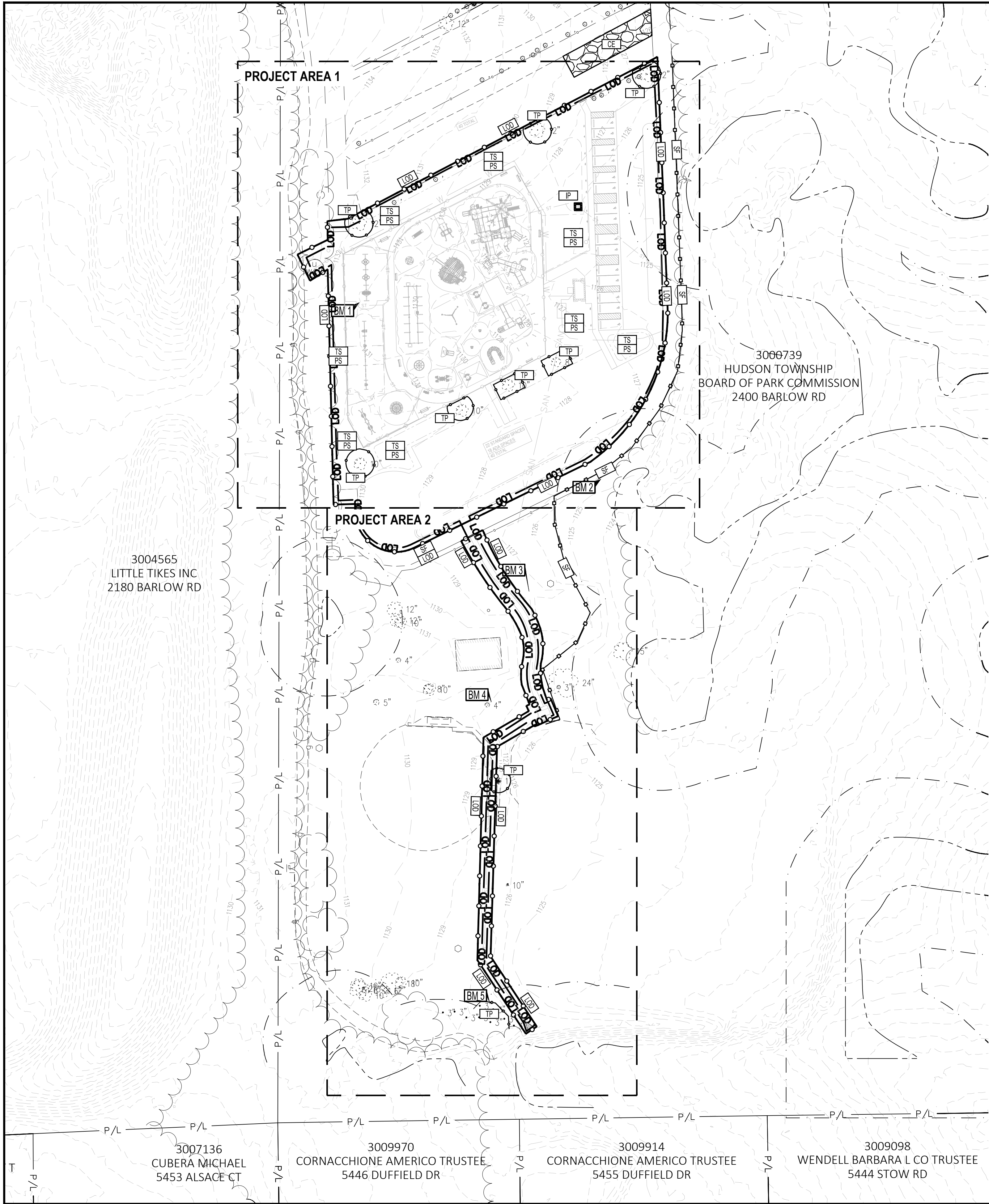
- MAINTENANCE:**  
SILT FENCE SHOULD BE INSPECTED REGULARLY AND FREQUENTLY AS WELL AS AFTER EACH RAINFALL EVENT TO ENSURE THAT THEY ARE INTACT AND THERE ARE NO GAPS AT THE FENCE-GROUND INTERFACE OR TEARS ALONG THE LENGTH OF THE FENCE. IF GAPS OR TEARS ARE FOUND, THEY SHOULD BE REPAIRED OR THE FABRIC 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 SHOULD BE OCCASIONALLY REMOVED 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.

FABRIC PROPERTIES	VALUES	TEST METHOD
MINIMUM TENSILE STRENGTH	120 LB. MINIMUM	ASTM D 4632
MINIMUM BURST STRENGTH	200 PSI MINIMUM	
MINIMUM PERMITTIVITY	1x10-2sec-1	ASTM D 4491
APPARENT OPENING SIZE	AOS < 0.84 mm	ASTM D 4751
UV EXPOSURE STRENGTH RETENTION	70%	ASTM G 4335
MAXIMUM ELONGATION AT 60 LBS.	50%	ASTM D 4632
MINIMUM PUNCTURE STRENGTH	50 LBS (220N)	ASTM D 4833
MINIMUM TEAR STRENGTH	40 LBS (180N)	ASTM D 4533





O:\PUBLIC\HUDSON\2025\025041.04 HUDSON OAK GROVE INCLUSIVE PLAYGROUND\WORKING FILES\00 - C-012 - WATER PRACTICE\CTB - PLOTTED\XVXXX BY CALDWELL, JARLATH

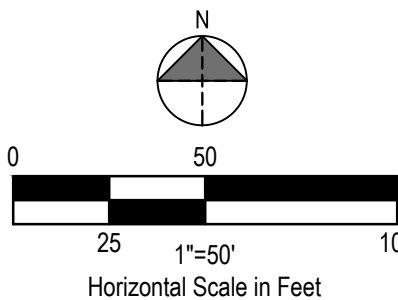


**LEGEND**  
(SEE SHEET C-001 FOR GENERAL LEGEND)

- PROPOSED TEMPORARY CONSTRUCTION FENCE
- PROPOSED SILT FENCE REFER TO SWPP DETAILS
- PROPOSED TREE PROTECTION FENCE REFER TO SWPP DETAILS
- LOD LIMITS OF DISTURBANCE = 0.96 ACRES
- PROPOSED CONSTRUCTION ENTRANCE REFER TO SWPP DETAILS
- PROPOSED SILT BARRIER REFER TO SWPP DETAILS

**SWPP KEYNOTES**

- TS TEMPORARY SEEDING
- PS PERMANENT SEEDING
- SF SILT FENCE
- LOD LIMITS OF DISTURBANCE
- TP TREE PROTECTION
- CE CONSTRUCTION ENTRANCE
- IP INLET PROTECTION



**BENCHMARKS:**  
**PROJECT CONTROL**  
STATE PLANE GRID NORTH,  
NAD 83 (2011), OHIO NORTH  
ZONE 3401.  
ELEVATIONS ARE NAVD 88

**BENCHMARK #1**  
CNPT - 5/8IN X 30IN REBAR  
W/ RED GPD CAP  
N: 563596.26  
E: 2266759.89  
ELEVATION = 1130.96

**BENCHMARK #2**  
CNPT - 5/8IN X 30IN REBAR  
W/ RED GPD CAP  
N: 563447.43  
E: 2266963.37  
ELEVATION = 1125.84

**BENCHMARK #3**  
BM - XCUT ON NW  
PLAYGROUND CORNER BOLT  
ELEVATION = 1127.95

**BENCHMARK #4**  
CNPT - 5/8IN X 30IN REBAR  
W/ RED GPD CAP  
N: 563259.70  
E: 2266871.19  
ELEVATION = 1129.04

**BENCHMARK #5**  
CNPT - 5/8IN X 30IN REBAR  
W/ RED GPD CAP  
N: 563006.08  
E: 2266869.97  
ELEVATION = 1127.53

**GENERAL SHEET NOTES**

- EXISTING ZONING CLASSIFICATION: 1-SUBURBAN RESIDENTIAL NEIGHBORHOOD
- SEE SHEETS C-101 - C-102 FOR EXISTING CONDITIONS & DEMOLITION PLANS
- SEE SHEETS C-111 - C-112 FOR SITE PLANS

**CONSTRUCTION SEQUENCE**

- DURING PRECONSTRUCTION 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.
  - INSTALL CONSTRUCTION ENTRANCE AS DETAILED ON PLANS. TEMPORARY CONSTRUCTION FENCING SHALL BE INSTALLED AROUND PERIMETER OF CONSTRUCTION SITE. WHERE THERE IS EXISTING FENCE ALONG THE PERIMETER OF THE SITE, IT CAN BE UTILIZED. 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. SILT PERIMETER CONTROLS SHALL BE INSTALLED LEVEL, ALONG THE CONTOURS, WITH ENDS TURNED UPSLOPE TO PREVENT CONCENTRATED FLOW AT THE SILT PERIMETER CONTROLS. 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, AS NECESSARY, FOR INSTALLATION OF TEMPORARY SEDIMENT TRAP/BASIN. INSTALL TEMPORARY SEDIMENT TRAP/BASIN, IF REQUIRED, AS DETAILED IN THE PLANS. CONSTRUCT AND MAINTAIN TEMPORARY DIVERSION SWALE AND / OR DIVERSION BERM DURING FILLING & GRADING ACTIVITIES.
  - 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 FILLING & GRADING AS REQUIRED TO REACH SUBGRADE.
  - ONCE PAVEMENT GRADES HAVE BEEN ESTABLISHED, AS DESIGNATED ON THE PLANS, THE CONTRACTOR SHALL UTILIZE THESE AREAS FOR STRUCTURE CONSTRUCTION.
  - CONSTRUCT UNDERGROUND UTILITY WORK INCLUDING STORM DRAINAGE FACILITIES. UPON INSTALLATION OF STORM DRAINAGE CATCH BASINS, YARD DRAINS AND INLETS, INSTALL REQUIRED 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.

**CONSTRUCTION NOTES**

- CONTRACTOR TO COORDINATE WITH THE CITY OF HUDSON TO DETERMINE CONSTRUCTION ENTRANCE LOCATION.
- CONTRACTOR TO COORDINATE WITH THE CITY OF HUDSON TO DETERMINE STAGING AREA LOCATION.
- IF CONDITIONS ARE SUCH THAT MUD IS COLLECTING ON VEHICLE TIRES, CONTRACTOR SHALL USE RUNOFF MATS. THE TIRES MUST BE CLEANED BEFORE THE VEHICLES ENTER THE PUBLIC ROADWAY. THE SITE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT THE TRACKING OR FLOW OF MUD ONTO THE PUBLIC RIGHT-OF-WAY. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO THE ROADWAY MUST BE REMOVED PROMPTLY.

**PROJECT DESCRIPTION**

THIS PROJECT CONSISTS OF THE CONSTRUCTION OF A NEW PLAYGROUND WITHIN EXISTING OAK GROVE PARK. SCOPE INCLUDES SURVEY, GEOTECHNICAL SERVICES, DEMOLITION, UPDATED ASPHALT PARKING AND SIDEWALKS FOR PEDESTRIANS, SIDEWALKS CONNECTING THE PLAYGROUND ELEMENTS AND CONNECTIONS TO THE PARKING LOT, LANDSCAPE BEDS, TREES, AND LAWN AREAS, ACCESSIBLE PLAYGROUND EQUIPMENT FOR ALL AGES AND AMENITIES, PREFABRICATED RESTROOM, UTILITIES, STRUCTURAL FOUNDATIONS, STORMWATER MANAGEMENT, DRAINAGE, SITE EARTHWORK, EROSION CONTROL, AND ELECTRICAL ENGINEERING.

**PROJECT COMPLETION STATISTICS**

PARCEL SIZE: 23.62 ACRES  
TOTAL DISTURBED AREA: 1.93 ACRES  
EXISTING LAND USE FOR THE SITE IS AN EXISTING PUBLIC PARK WITH PARKING LOT ZONED AS 1-SUBURBAN RESIDENTIAL NEIGHBORHOOD

ESTIMATED PRE-CONSTRUCTION IMPERVIOUS AREA: 3.92 ACRES  
ESTIMATED PRE-CONSTRUCTION IMPERVIOUS PERCENT: 16.6%

PROPOSED LAND USE WILL BE AN INCLUSIVE PUBLIC PARK WITH PARKING LOT ZONED AS 1-SUBURBAN RESIDENTIAL NEIGHBORHOOD  
ESTIMATED POST-CONSTRUCTION IMPERVIOUS AREA: 3.68 ACRES  
ESTIMATED POST-CONSTRUCTION IMPERVIOUS PERCENT: 15.6%

**PROJECT LOCATION:**  
LATITUDE: 41.209177° LONGITUDE: -81.414611°

**EXISTING SITE SOIL TYPES:**  
E1B: ELLSWORTH SILT LOAM, 2-6% SLOPES, MqB: MAHONING SILT LOAM, 2-6% SLOPES, E1C2: ELLSWORTH SILT LOAM, 6-12% SLOPES.  
REFERENCE: USDA NATIONAL RESOURCES CONSERVATION SERVICE WEB SOIL SURVEY.

**WETLAND INFORMATION:**  
THERE ARE KNOWN WETLANDS EAST OF PROPOSED PROJECT SITE.  
FIRST AND SUBSEQUENT RECEIVING STREAM: INITIAL RECEIVING WATER IS POWERS BROOK AND THE SUBSEQUENT RECEIVING WATER IS THE CUYAHOGA RIVER.



ANTICIPATED TIMING:  
CONSTRUCTION BEGIN: \_\_\_\_\_  
CONSTRUCTION COMPLETE: \_\_\_\_\_

CONTRACTOR:  
CONTACT: \_\_\_\_\_  
PHONE NUMBER: \_\_\_\_\_

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



OHIO  
HUDSON

REV.	DATE	DESCRIPTION

OAK GROVE INCLUSIVE PLAYGROUND  
CITY OF HUDSON, OHIO

SWPP PLAN

ISSUED FOR:	
PERMIT	-
BID	-
CONSTRUCTION	-
RECORD	-

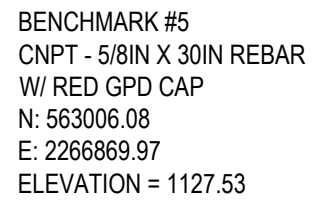
PROJECT MANAGER	DESIGNER
IV	JLC

JOB NO.  
**2025041.04**

SHEET:  
**C-012**

SHEET NO:  
**5/21**





### EXISTING BUILDING/STRUCTURE

[illegible]

**OAK GROVE INCLUSIVE PLAYGROUND**  
CITY OF HUDSON, OHIO

## KEY PLAN

ISSUED FOR:	
PERMIT	-
BID	-
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
IV	JLC

JOB NO.  
2025041.04

SHEET: C-100

SHEET NO: 6/21









LEGEND  
(SEE SHEET C-001 FOR GENERAL LEGEND)

- EXISTING TREE TO REMAIN
- EXISTING WOODLAND TO REMAIN
- EXISTING WETLAND TO NOT BE DISTURBED
- EXISTING WETLAND SETBACK TO NOT BE DISTURBED
- EXISTING ASPHALT PAVEMENT TO REMAIN
- EXISTING GRAVEL SURFACE TO REMAIN
- EXISTING CONCRETE TO REMAIN
- EXISTING SITE FEATURE TO BE REMOVED BY TOWNSHIP
- DEMOLITION KEYNOTE
- LIMIT OF DISTURBANCE

GENERAL SHEET NOTES

- EXISTING ZONING CLASSIFICATION: 1-SUBURBAN RESIDENTIAL NEIGHBORHOOD
- SEE SHEETS C-010 - C012 FOR SWPP PLANS
- SEE SHEETS C-111 - C-112 FOR SITE PLANS

PLAN KEYNOTES (#)

- EXISTING ASPHALT PAVEMENT TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION. REMOVE AND REPLACE ANY DAMAGED AREAS
- EXISTING FENCE TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION
- EXISTING STRUCTURE TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION
- EXISTING KIOSK SIGN TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION
- EXISTING BOULDER TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION
- EXISTING BASEBALL FIELD AND FACILITIES TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION

EXISTING TREE TABLE					
ID	COMMON NAME	LATIN	SIZE (DBH)	CONDITION	TO REMAIN
001	Gleditsia triacanthos	Honeylocust	12"	Good	Y
002	Acer rubrum	Red Maple	12"	Fair	Y
003	Ulmus parvifolia	Chinese Elm	12"	Good	Y
004	Gleditsia triacanthos	Honeylocust	12"	Good	N
005	Liriodendron tulipifera	Tulip Poplar	12"	Good	N
006	Gleditsia triacanthos	Honeylocust	10"	Good	N
007	Acer rubrum	Red Maple	10"	Good	N
008	Gleditsia triacanthos	Honeylocust	15"	Fair	N
009	Quercus rubra	Red Maple	10"	Good	Y
010	Acer rubrum	Red Maple	10"	Poor	Y
011	Acer rubrum	Red Maple	10"	Good	Y
012	Acer rubrum	Red Maple	8"	Good	Y
013	Acer rubrum	Red Maple	24"	Good	Y
014	Ulmus spp.	Elm	3"	Poor	Y
015	Acer rubrum	Red Maple	4"	Poor	Y
016	Pinus spp.	Pine	12"	Good	Y
017	Picea abies	Norway Spruce	3"	Good	Y
018	Picea abies	Norway Spruce	3"	Good	Y
019	Picea abies	Norway Spruce	3"	Good	Y
020	Picea abies	Norway Spruce	3"	Good	Y
021	Picea abies	Norway Spruce	3"	Good	Y

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.

BENCHMARKS:

PROJECT CONTROL  
STATE PLANE GRID NORTH,  
NAD 83 (2011), OHIO NORTH  
ZONE 3401.  
ELEVATIONS ARE NAVD 88

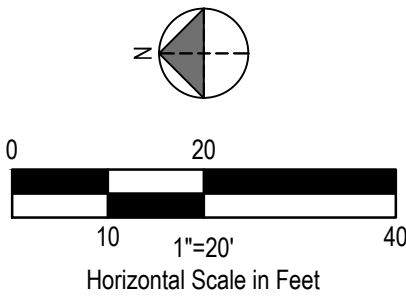
BENCHMARK #1  
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N: 563596.26  
E: 2266759.89  
ELEVATION = 1130.96

BENCHMARK #2  
CNPT - 5/8IN X 30IN REBAR  
W/ RED GPD CAP  
N: 563447.43  
E: 2266963.37  
ELEVATION = 1125.84

BENCHMARK #3  
BM - XCUT ON NW  
PLAYGROUND CORNER BOLT  
ELEVATION = 1127.95

BENCHMARK #4  
CNPT - 5/8IN X 30IN REBAR  
W/ RED GPD CAP  
N: 563259.70  
E: 2266871.19  
ELEVATION = 1129.04

BENCHMARK #5  
CNPT - 5/8IN X 30IN REBAR  
W/ RED GPD CAP  
N: 563006.08  
E: 2266869.97  
ELEVATION = 1127.53



DESCRIPTION

DATE

REV.

OAK GROVE INCLUSIVE PLAYGROUND  
CITY OF HUDSON, OHIO

EXISTING CONDITIONS & DEMOLITION PLAN  
PROJECT AREA 2

ISSUED FOR:

PERMIT	-
BID	-
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER

IV

DESIGNER

JLC

JOB NO.

2025041.04

SHEET:

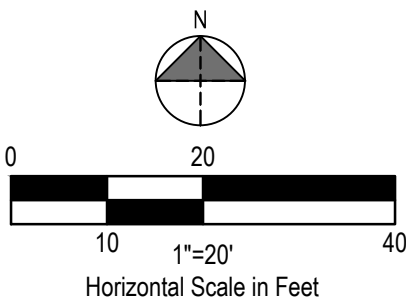
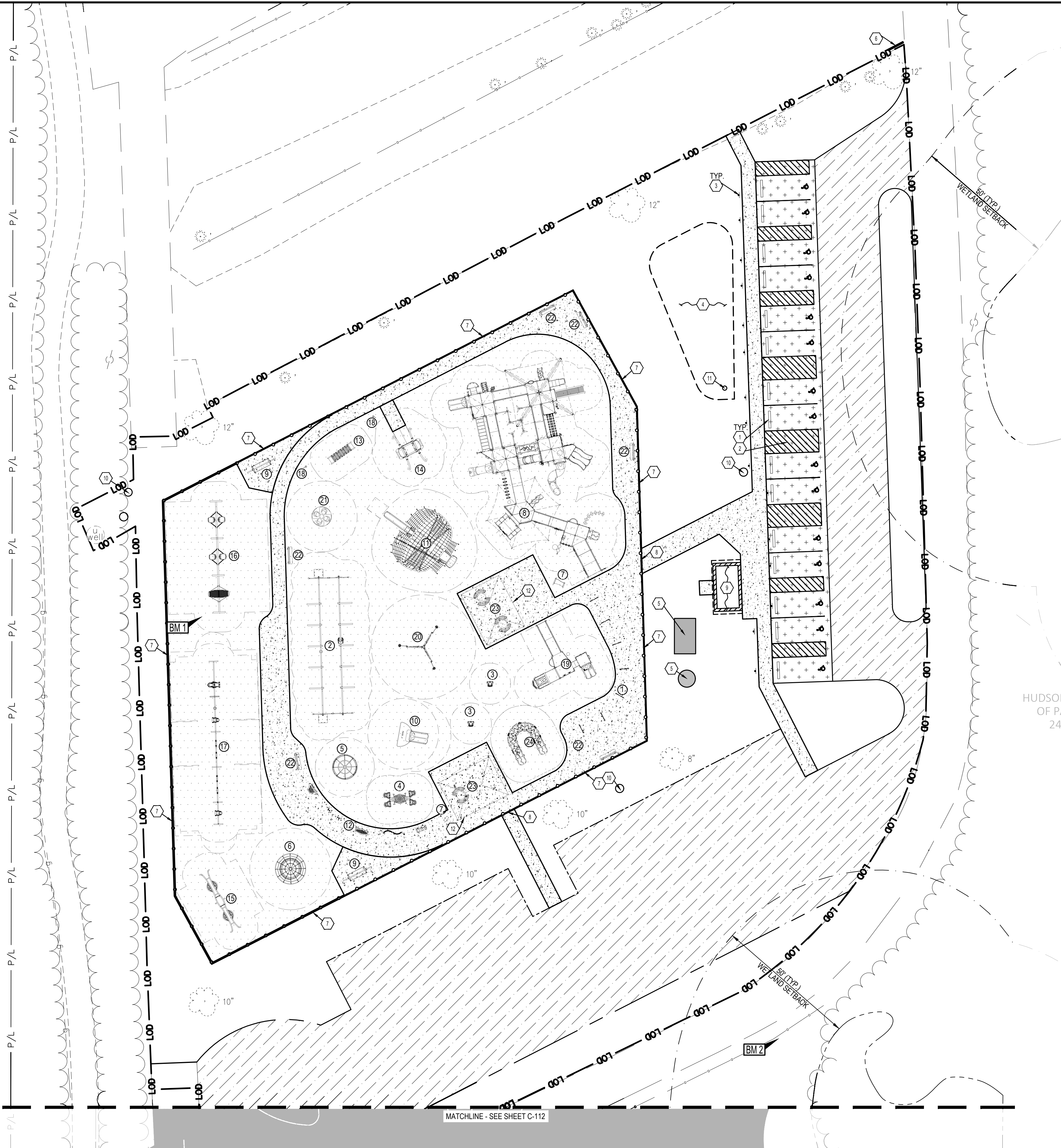
C-102

SHEET NO:

8/21



O:\PUBLIC\OH\HUDSON\202504104 HUDSON OAK GROVE INCLUSIVE PLAYGROUND\ WORKING FILES\100\_202504104 - SITE PLAN.DWG - C-111 - WATER PRACTICE DTE - PLOTTED XXXXXX BY CALDWELL, JARLATH



BENCHMARKS:  
PROJECT CONTROL  
STATE PLANE GRID NORTH,  
NAD 83 (2011), OHIO NORTH  
ZONE 3401.  
ELEVATIONS ARE NAVD 88

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ELEVATION = 1125.84

BENCHMARK #3  
BM - XCUT ON NW  
PLAYGROUND CORNER BOLT  
ELEVATION = 1127.95

BENCHMARK #4  
CNPT - 5/8IN X 30IN REBAR  
W/ RED GPD CAP  
N: 563259.70  
E: 2266871.19  
ELEVATION = 1129.04

BENCHMARK #5  
CNPT - 5/8IN X 30IN REBAR  
W/ RED GPD CAP  
N: 563006.08  
E: 2266869.97  
ELEVATION = 1127.53

GENERAL SHEET NOTES

- SEE SHEETS C-121 - C-122 FOR STORMWATER AND GRADING PLANS
- SEE SHEET C-501 FOR SITE DETAILS

LEGEND

(SEE SHEET C-001 FOR GENERAL LEGEND)

- |  |  |
|--|--|
|  | PROPOSED STANDARD DUTY ASPHALT, SEE SHEET C-501                          |
|  | PROPOSED SYNTHETIC TURF SAFETY SURFACE, SEE PLAYGROUND EQUIPMENT PACKAGE |
|  | PROPOSED CONCRETE  |
|  | REGRADED PARKING LOT GRAVEL DRIVE  |
|  | CONSTRUCTION KEYNOTE   |
|  | LIMIT OF DISTURBANCE   |

PLAN KEYNOTES (4)

- PROPOSED WHEELSTOP, SEE SHEET C-501
- PROPOSED PAINTED ADA PARKING STALL, SEE SHEET C-501
- PROPOSED ADA ACCESS ROUTE SIGN, SEE SHEET C-501
- PROPOSED BIORETENTION FOOTPRINT, SEE STORMWATER AND GRADING PLANS
- PROPOSED SANITARY UTILITY, SEE UTILITY PLANS
- PROPOSED TEMPORARY CONSTRUCTION SIGN
- PROPOSED 4-FOOT CHAIN LINK FENCE, SEE SHEET C-501
- PROPOSED 4-FOOT GATE, SEE SHEET C-501
- PROPOSED PRE-FABRICATED RESTROOM
- PROPOSED LIGHT POLE, SEE ELECTRICAL PLAN
- PROPOSED STORMWATER UTILITY, SEE UTILITY PLANS
- PROPOSED RECTANGLE HIP SHADE SHELTER

PLAY EQUIPMENT KEY (4)

- STORYBOARD WALK
- SKYRUN DOUBLE TRACK ZIP TRACK
- SENSORY WAVE SEAT
- ROXALL SEE SAW
- LSI WE GO ROUND
- VISTATREE TOP 5
- INCLUSIVE PLAY SIGN/COMMUNICATION PANEL
- POWERSCAPE PLAY STRUCTURE
- SWAY BENCH
- HILLSIDE DOUBLE ZIP SLIDE
- GT WAVE
- HARMONIC CHIMES
- CONCERT TRIO, MELODY CHIMES, CANTATA CHIMES, JAZZ COMBO
- LSI WE GO SWING
- ROLLER TABLE
- DOUBLE ARCH SWING
- LSI FRIENDSHIP SWINGS
- 4.5 BAY PRIMETIME SWINGS
- TALK TUBE
- POWERSCAPE TRAIN
- SHADOWPLAY TRIRUNNER
- MERRY GO ALL
- BENCHES (6 TOTAL)
- TABLES (3 TOTAL)
- SENSORY WAVE CLIMBER HORSESHOE ARCH

ISSUED FOR:	
PERMIT	-
BID	-
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
IV	JLC

JOB NO.  
**2025041.04**

SHEET:  
**C-111**

SHEET NO:  
**9/21**

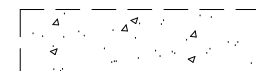
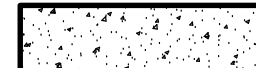





GENERAL SHEET NOTES

- SEE SHEETS C-121 - C-122 FOR STORMWATER AND GRADING PLANS
- SEE SHEET C-501 FOR SITE DETAILS

LEGEND

(SEE SHEET C-001 FOR GENERAL LEGEND)

-  EXISTING GRAVEL
-  PROPOSED CONCRETE
-  REGRADED PARKING LOT GRAVEL DRIVE
-  CONSTRUCTION KEYNOTE
-  LIMIT OF DISTURBANCE

PLAN KEYNOTES (#)

- PROPOSED TRENCH DRAIN, SEE GRADING AND UTILITY PLANS

BENCHMARKS:  
PROJECT CONTROL  
STATE PLANE GRID NORTH,  
NAD 83 (2011), OHIO NORTH  
ZONE 3401.  
ELEVATIONS ARE NAVD 88

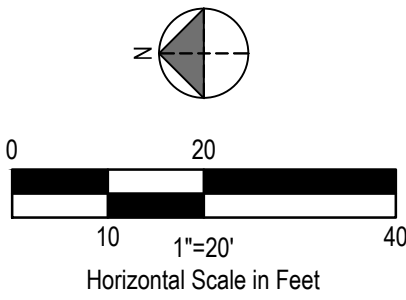
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PLAYGROUND CORNER BOLT  
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ELEVATION = 1129.04

BENCHMARK #5  
CNPT - 5/8IN X 30IN REBAR  
W/ RED GPD CAP  
N: 563006.08  
E: 2266869.97  
ELEVATION = 1127.53



OHIO  
HUDSON

DESCRIPTION

DATE

REV.

OAK GROVE INCLUSIVE PLAYGROUND  
CITY OF HUDSON, OHIO

SITE PLAN - PROJECT AREA 1

ISSUED FOR:

PERMIT	-
BID	-
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
IV	JLC

JOB NO.  
2025041.04

SHEET:  
C-112

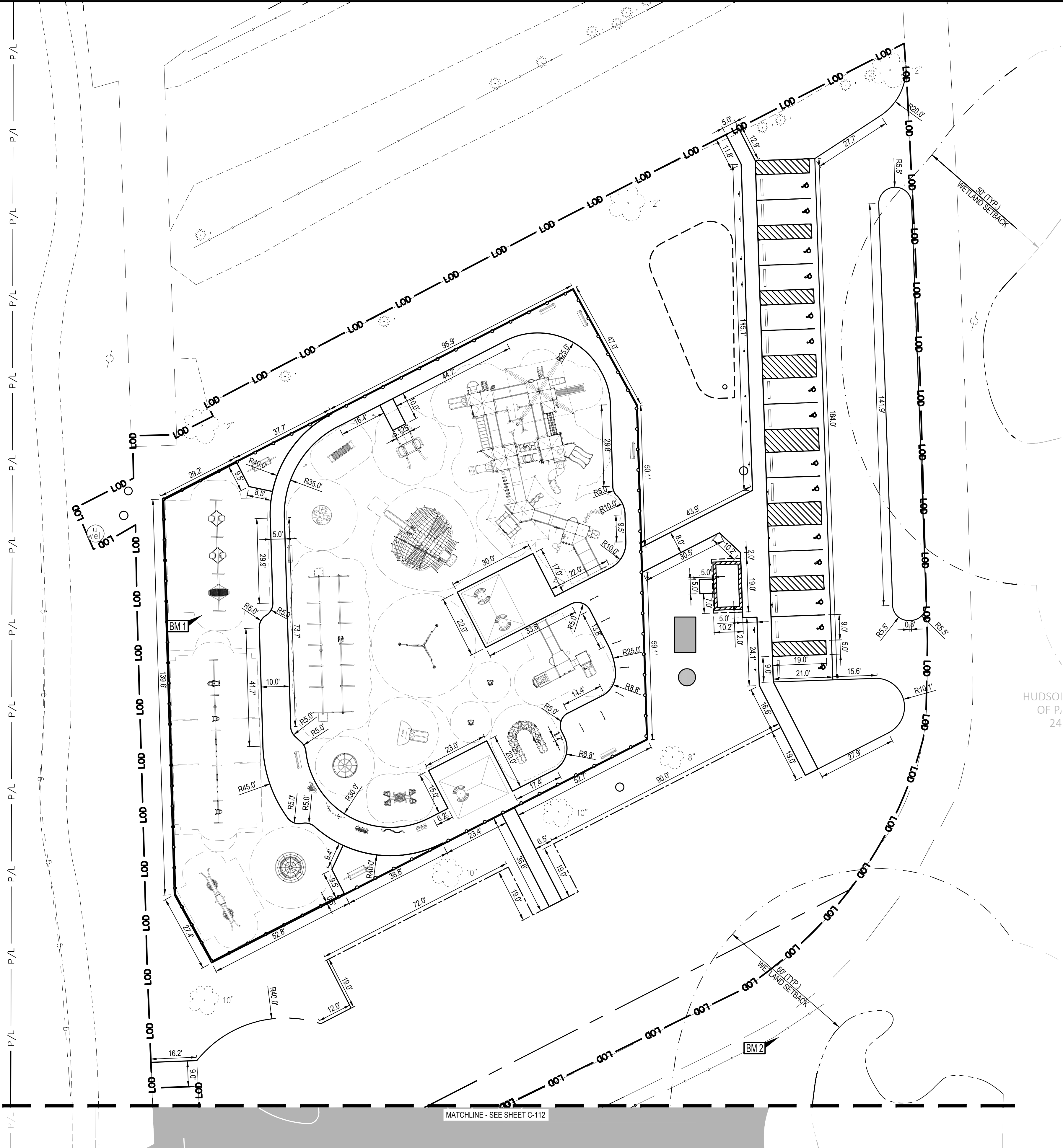
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O:\PUBLIC\OH HUDSON\2025\025041.04 HUDSON OAK GROVE INCLUSIVE PLAYGROUND\WORKING FILES\00 - 2025041.04 - SITE PLAN.DWG - C-112 - WATER PRACTICE DTE - PLOTTED XXXXXX BY CALDWELL, JARLATH



O:\PUBLIC\OH\HUDSON\2025041.04 HUDSON OAK GROVE INCLUSIVE PLAYGROUND\WORKING FILES\100\_2025041.04 - LAYOUT PLANDWG - C-113 - WATER PRACTICE\DTB - PLOTTED XXXXXX BY CALDWELL\_JARLATH



**BENCHMARKS:**  
**PROJECT CONTROL**  
STATE PLANE GRID NORTH,  
NAD 83 (2011), OHIO NORTH  
ZONE 3401.  
ELEVATIONS ARE NAVD 88

**BENCHMARK #1**  
CNPT - 5/8IN X 30IN REBAR  
W/ RED GPD CAP  
N: 563596.26  
E: 2266759.89  
ELEVATION = 1130.96

**BENCHMARK #2**  
CNPT - 5/8IN X 30IN REBAR  
W/ RED GPD CAP  
N: 563447.43  
E: 2266963.37  
ELEVATION = 1125.84

**BENCHMARK #3**  
BM - XCUT ON NW  
PLAYGROUND CORNER BOLT  
ELEVATION = 1127.95

**BENCHMARK #4**  
CNPT - 5/8IN X 30IN REBAR  
W/ RED GPD CAP  
N: 563259.70  
E: 2266871.19  
ELEVATION = 1129.04

**BENCHMARK #5**  
CNPT - 5/8IN X 30IN REBAR  
W/ RED GPD CAP  
N: 563006.08  
E: 2266869.97  
ELEVATION = 1127.53

- GENERAL SHEET NOTES**
- SEE SHEET C-121 - C-122 FOR STORMWATER AND GRADING PLANS
  - SEE SHEET C-501 FOR SITE DETAILS

Glaus, Pyle, Schomer, Burns & DeHoven, Inc.  
520 South Main Street, Suite 2531  
Akron, OH 44311  
330.572.2100 Fax 330.572.2101  
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REV.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

OAK GROVE INCLUSIVE PLAYGROUND  
CITY OF HUDSON, OHIO

LAYOUT PLAN - PROJECT AREA 1

ISSUED FOR:	
PERMIT	-
BID	-
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
IV	JLC

JOB NO.  
**2025041.04**

SHEET:  
**C-113**

SHEET NO:  
**11/21**



1. SEE SHEET C-121 - C-122 FOR STORMWATER AND GRADING PLANS
2. SEE SHEET C-501 FOR SITE DETAILS

1. PROPOSED TRENCH DRAIN, SEE GRADING AND UTILITY PLANS

BENCHMARK #5  
CNPT - 5/8IN X 30IN REBAR  
W/ RED GPD CAP  
N: 563006.08  
E: 2266869.97  
ELEVATION = 1127.53



HUDSON

[illegible]

OAK GROVE INCLUSIVE PLAYGROUND  
CITY OF HUDSON, OHIO

## LAYOUT PLAN - PROJECT AREA 2

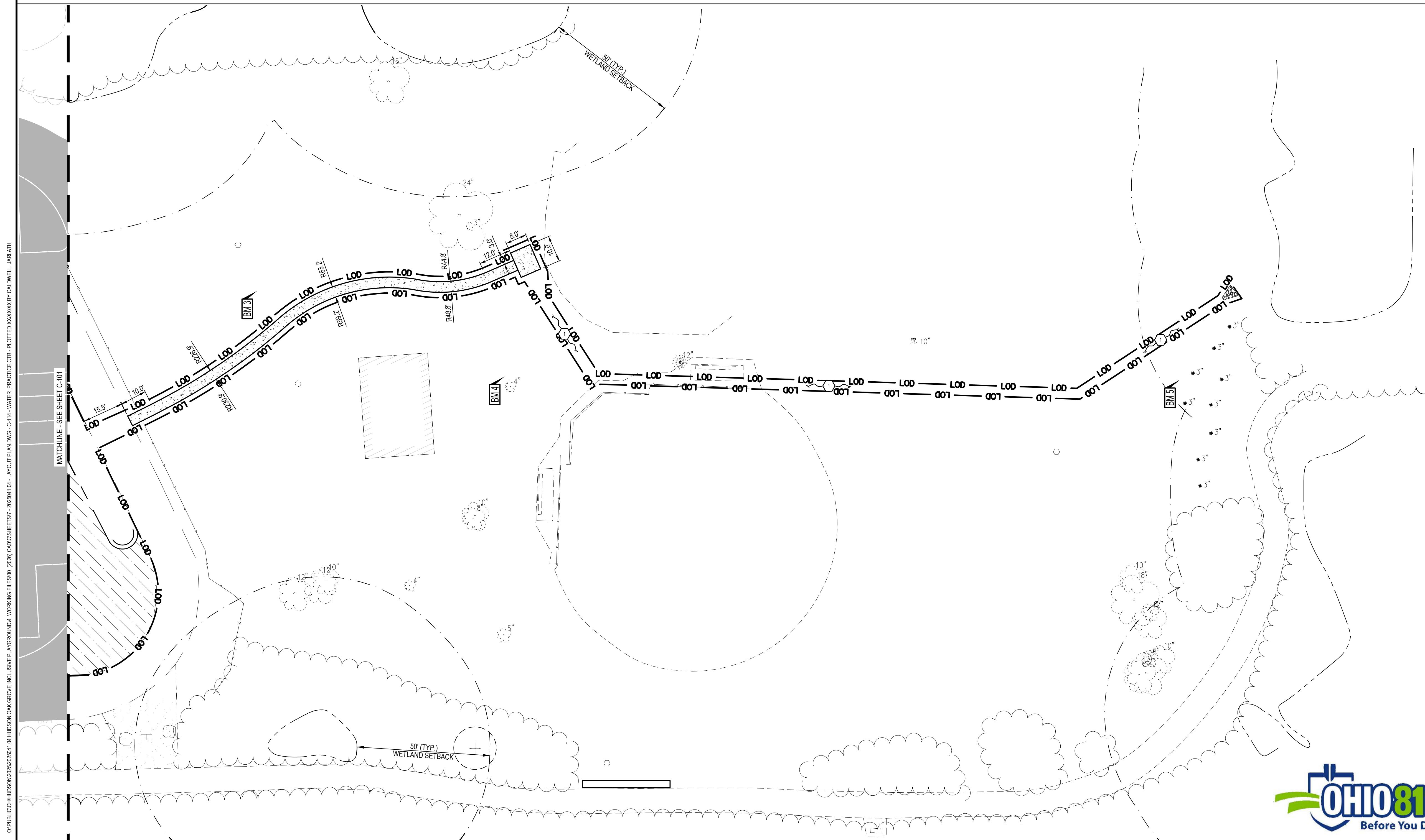
ISSUED FOR:	
PERMIT	-
BID	-
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
IV	JLC

JOB NO.  
2025041.04

SHEET: C-114

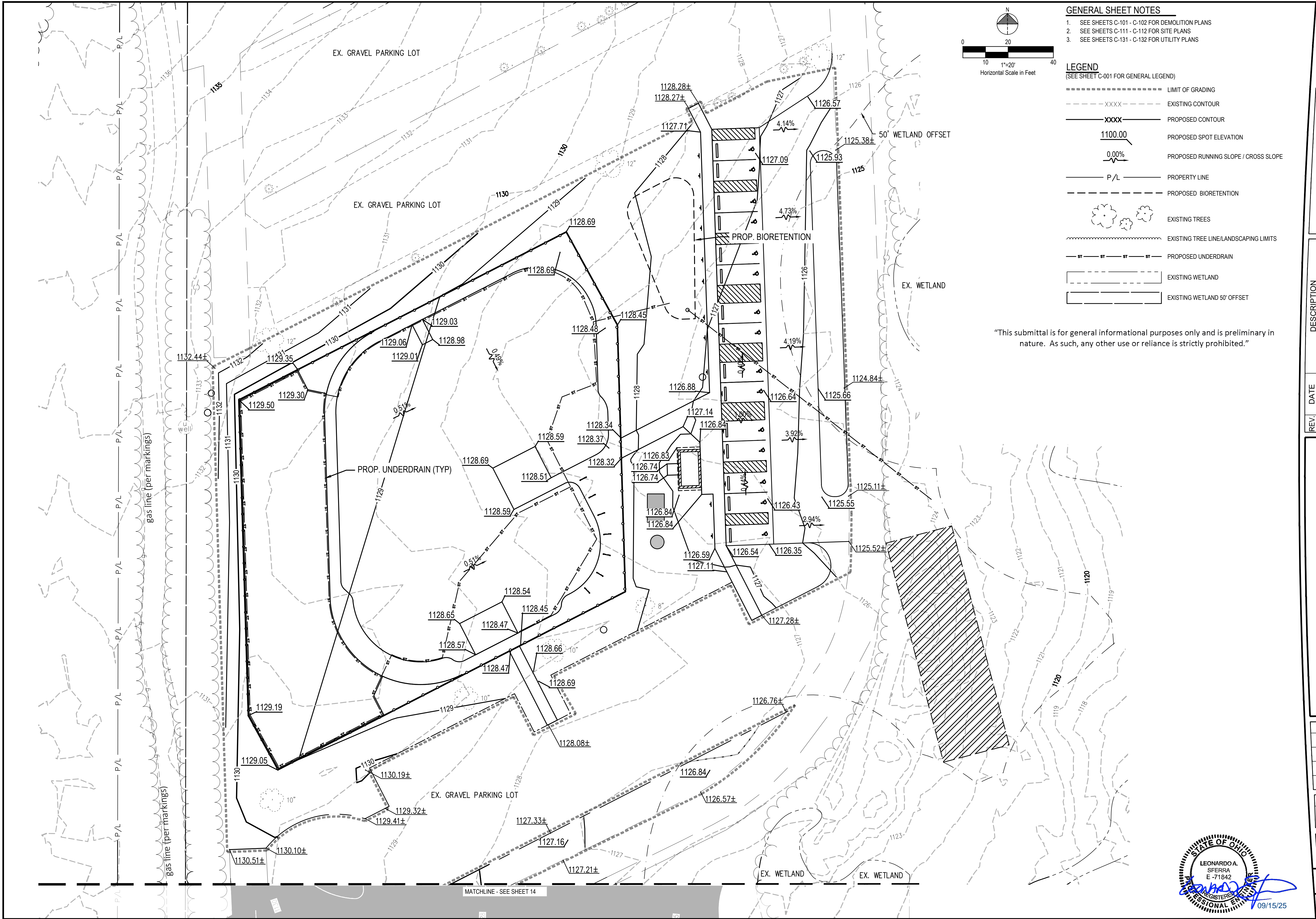
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Q:\PUBLIC\OH\HUDSON\2025\2025041.04 HUDSON OAK GROVE INCLUSIVE PLAYGROUND\4\_WORKING FILES\00\_(2026) CAD\C\SHEETS\7 - 2025041.04 - LAYOUT PLAN.DWG - C-114 - WATER\_PRACTICE.CTB - PLOTTED XXXXXX BY CALDWELL, JARLAH



O:\PUBLIC\OH\HUDSON\202504104 HUDSON OAK GROVE INCLUSIVE PLAYGROUND, WORKING FILES\100\_202504104 - STORMWATER & GRADING PLAN.DWG - C-121 - WATER\_PRACTICE C1B - PLOTTED XXXXXX BY CALDWELL\_JARLATH



GENERAL SHEET NOTES

- SEE SHEETS C-101 - C-102 FOR DEMOLITION PLANS
- SEE SHEETS C-111 - C-112 FOR SITE PLANS
- SEE SHEETS C-131 - C-132 FOR UTILITY PLANS

LEGEND

(SEE SHEET C-001 FOR GENERAL LEGEND)

- LIMIT OF GRADING
- - - - - XXXX - - - - - EXISTING CONTOUR
- XXXX ----- PROPOSED CONTOUR
- 1100.00 PROPOSED SPOT ELEVATION
- 0.00% PROPOSED RUNNING SLOPE / CROSS SLOPE
- P/L — PROPERTY LINE
- - - - - PROPOSED BIORETENTION
- EXISTING TREES
- EXISTING TREE LINE/LANDSCAPING LIMITS
- ST - ST - ST - ST - PROPOSED UNDERDRAIN
- EXISTING WETLAND
- EXISTING WETLAND 50' OFFSET

"This submittal is for general informational purposes only and is preliminary in nature. As such, any other use or reliance is strictly prohibited."

DESCRIPTION

DATE

REV.

OAK GROVE INCLUSIVE PLAYGROUND  
CITY OF HUDSON, OHIO

STORMWATER AND GRADING PLAN -  
PROJECT AREA 1

ISSUED FOR:

PERMIT	-
BID	-
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
IV	JLC

JOB NO.  
**2025041.04**

SHEET:  
**C-121**

SHEET NO:  
**13/21**



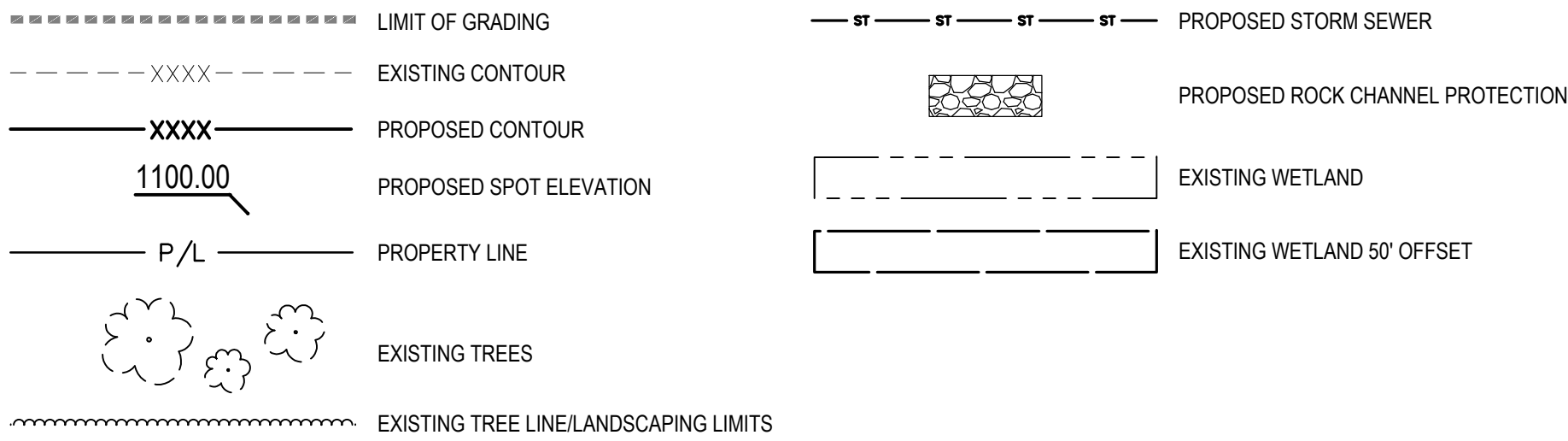


GENERAL SHEET NOTES

1. SEE SHEETS C-101 - C-102 FOR EX. CONDITIONS & DEMO PLANS
2. SEE SHEETS C-111 - C-112 FOR SITE PLANS
3. SEE SHEETS C-131 - C-132 FOR UTILITY PLANS

LEGEND

(SEE SHEET C-001 FOR GENERAL LEGEND)



BENCHMARKS:  
PROJECT CONTROL  
STATE PLANE GRID NORTH,  
NAD 83 (2011), OHIO NORTH  
ZONE 3401.  
ELEVATIONS ARE NAVD 88

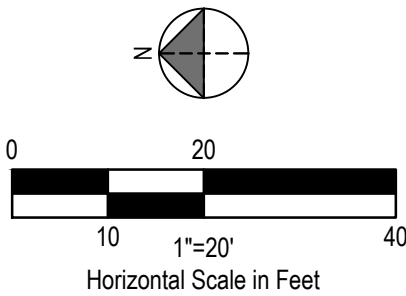
BENCHMARK #1  
CNPT - 5/8IN X 30IN REBAR  
W/ RED GPD CAP  
N: 563596.26  
E: 2266759.89  
ELEVATION = 1130.96

BENCHMARK #2  
CNPT - 5/8IN X 30IN REBAR  
W/ RED GPD CAP  
N: 563447.43  
E: 2266963.37  
ELEVATION = 1125.84

BENCHMARK #3  
BM - XCUT ON NW  
PLAYGROUND CORNER BOLT  
ELEVATION = 1127.95

BENCHMARK #4  
CNPT - 5/8IN X 30IN REBAR  
W/ RED GPD CAP  
N: 563259.70  
E: 2266871.19  
ELEVATION = 1129.04

BENCHMARK #5  
CNPT - 5/8IN X 30IN REBAR  
W/ RED GPD CAP  
N: 563006.08  
E: 2266869.97  
ELEVATION = 1127.53



OHIO  
HUDSON

DESCRIPTION

DATE

REV.

OAK GROVE INCLUSIVE PLAYGROUND  
CITY OF HUDSON, OHIO

STORMWATER AND GRADING PLAN -  
PROJECT AREA 2

ISSUED FOR:

PERMIT	-
BID	-
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
IV	JLC

JOB NO.  
2025041.04

SHEET:  
C-122

SHEET NO:  
14/21



O:\PUBLIC\OH\HUDSON\2025\025041.04 HUDSON OAK GROVE INCLUSIVE PLAYGROUND\WORKING FILES\100\_2025\041.04 - STORMWATER & GRADING PLAN.DWG - C-122 - WATER PRACTICE CFB - PLOTTED XXXXXX BY CALDWELL, JARLATH





OAK GROVE INCLUSIVE PLAYGROUND  
CITY OF HUDSON, OHIO

UTILITY PLAN - PROJECT AREA 1

ISSUED FOR:	
PERMIT	-
BID	-
CONSTRUCTION	-
RECORD	-
PROJECT MANAGER	DESIGNER
IV	JLC



GENERAL SHEET NOTES

1. SEE SHEETS C-121 - C-122 FOR STORMWATER AND GRADING PLANS  
2. SEE SHEET C-501 FOR UTILITY DETAILS

LEGEND

(SEE SHEET C-001 FOR GENERAL LEGEND)

- EXISTING TREE TO REMAIN  
EXISTING WOODLAND TO REMAIN  
ST PROPOSED STORM UNDERDRAIN  
PROPOSED STORM SEWER (12" AND LARGER)  
SAN PROPOSED SANITARY PIPING  
LOD LIMIT OF DISTURBANCE  
UTILITY CONSTRUCTION KEYNOTE

PLAN KEYNOTES (#)

STORM

102. PROPOSED 12" (HDPE) STORM SEWER

SANITARY

403. PROPOSED SANITARY PIPING (OPTION 1)  
404. PROPOSED SEPTIC DISTRIBUTION FIELD (OPTION 1)

BENCHMARKS:  
PROJECT CONTROL  
STATE PLANE GRID NORTH,  
NAD 83 (2011), OHIO NORTH  
ZONE 3401.  
ELEVATIONS ARE NAVD 88

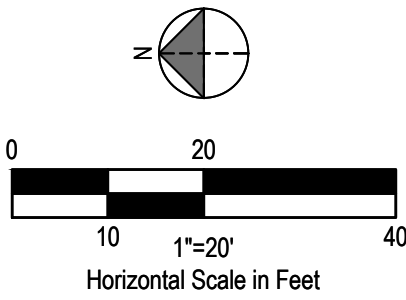
BENCHMARK #1  
CNPT - 5/8IN X 30IN REBAR  
W/ RED GPD CAP  
N: 563596.26  
E: 2266759.89  
ELEVATION = 1130.96

BENCHMARK #2  
CNPT - 5/8IN X 30IN REBAR  
W/ RED GPD CAP  
N: 563447.43  
E: 2266963.37  
ELEVATION = 1125.84

BENCHMARK #3  
BM - XCUT ON NW  
PLAYGROUND CORNER BOLT  
ELEVATION = 1127.95

BENCHMARK #4  
CNPT - 5/8IN X 30IN REBAR  
W/ RED GPD CAP  
N: 563259.70  
E: 2266871.19  
ELEVATION = 1129.04

BENCHMARK #5  
CNPT - 5/8IN X 30IN REBAR  
W/ RED GPD CAP  
N: 563006.08  
E: 2266869.97  
ELEVATION = 1127.53



OHIO  
HUDSON

DESCRIPTION

DATE

REV.

OAK GROVE INCLUSIVE PLAYGROUND  
CITY OF HUDSON, OHIO

UTILITY PLAN - PROJECT AREA 2

ISSUED FOR:

PERMIT	-
BID	-
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
IV	JLC

JOB NO.  
2025041.04

SHEET:  
C-132

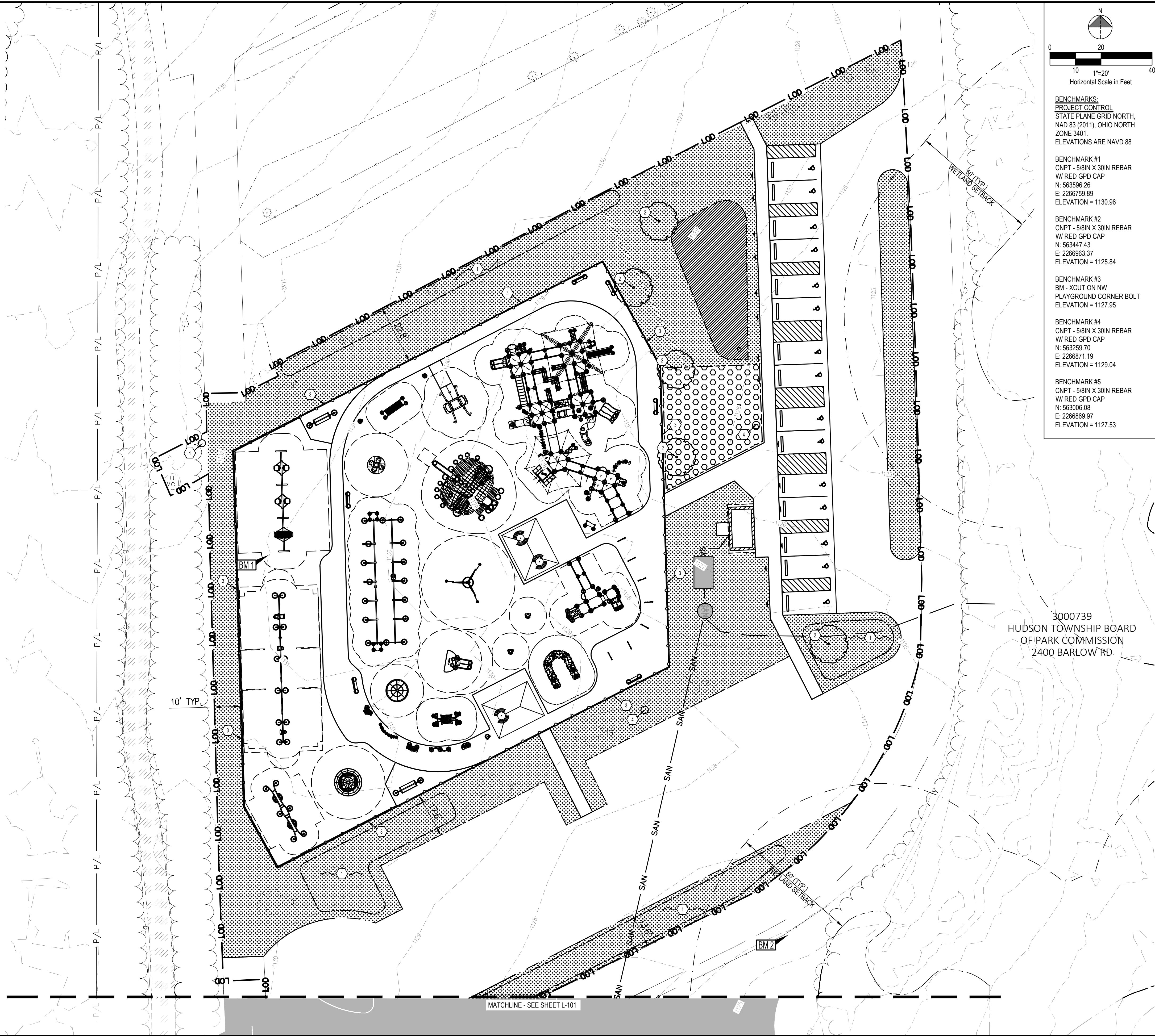
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O:\PUBLIC\OH\HUDSON\2025041.04 HUDSON OAK GROVE INCLUSIVE PLAYGROUND\WORKING FILES\100\_2025041.04- UTILITY PLAN.DWG - C-132- WATER PRACTICE C7B- PLOTTED XXXXXX BY CALDWELL, JARLATH



O:\PUBLIC\HUDSON\2025041.04 HUDSON OAK GROVE INCLUSIVE PLAYGROUND\WORKING FILES\00\_2025041.04 - LANDSCAPE PLAN\DWG - L-101 - WATER PRACTICE.CTB- PLOTTED XXXXXX BY CALDWELL, JARLATH



Horizontal Scale in Feet

**BENCHMARKS:**  
**PROJECT CONTROL**  
 STATE PLANE GRID NORTH,  
 NAD 83 (2011), OHIO NORTH  
 ZONE 3401.  
 ELEVATIONS ARE NAVD 88

**BENCHMARK #1**  
 CNPT - 5/8IN X 30IN REBAR  
 W/ RED GPD CAP  
 N: 563596.26  
 E: 2266759.89  
 ELEVATION = 1130.96

**BENCHMARK #2**  
 CNPT - 5/8IN X 30IN REBAR  
 W/ RED GPD CAP  
 N: 563447.43  
 E: 2266963.37  
 ELEVATION = 1125.84

**BENCHMARK #3**  
 BM - XCUT ON NW  
 PLAYGROUND CORNER BOLT  
 ELEVATION = 1127.95

**BENCHMARK #4**  
 CNPT - 5/8IN X 30IN REBAR  
 W/ RED GPD CAP  
 N: 563259.70  
 E: 2266871.19  
 ELEVATION = 1129.04

**BENCHMARK #5**  
 CNPT - 5/8IN X 30IN REBAR  
 W/ RED GPD CAP  
 N: 563006.08  
 E: 2266869.97  
 ELEVATION = 1127.53

**GENERAL SHEET NOTES**

- SEE SHEETS C-121 - C-122 FOR STORMWATER AND GRADING PLANS
- SEE SHEETS C-131 - C-132 FOR UTILITY PLANS

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

- EXISTING TREE TO REMAIN
- EXISTING WOODLAND
- EXISTING WETLAND
- EXISTING WETLAND SETBACK
- PROPOSED SHADE TREE
- PROPOSED SEEDING AREA
- PROPOSED SEEDING AREA - DETENTION BASIN
- PROPOSED MEMORIAL GARDEN SPACE, BY CITY
- PROPOSED LANDSCAPE BERM
- LIMIT OF DISTURBANCE

**PLAN KEYNOTES (H)**

- PROPOSED LANDSCAPE BERM, SEE STORMWATER AND GRADING PLANS
- PROPOSED 'DRAVES' HONEYLOCOST (QUANTITY: 5), GLEDITSIA TRIACANTHOS 'DRAVES', B&B, 2" CAL.
- PROPOSED 4-FOOT CHAIN LINK FENCE, SEE SHEET C-501
- PROPOSED LIGHT POLE, SEE ELECTRICAL PLAN

REV.	DATE	DESCRIPTION

OAK GROVE INCLUSIVE PLAYGROUND  
CITY OF HUDSON, OHIO

LANDSCAPE PLAN - PROJECT AREA 1

ISSUED FOR:	
PERMIT	-
BID	-
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
IV	JLC

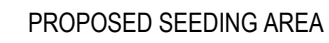
JOB NO.  
**2025041.04**

SHEET:
L-101

SHEET NO:
17/21



(SEE SHEET C-001 FOR GENERAL LEGEND)

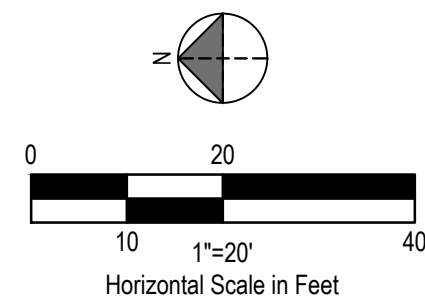


1. SEE SHEETS C-121 - C-122 FOR STORMWATER AND GRADING PLANS
2. SEE SHEETS C-131 - C-132 FOR UTILITY PLANS

1. PROPOSED LANDSCAPE BERM, SEE STORMWATER AND GRADING PLANS

BENCHMARK #2  
CNPT - 5/8IN X 30IN REBAR  
W/ RED GPD CAP  
N: 563447.43  
E: 2266963.37  
ELEVATION = 1125.84

BENCHMARK #5  
CNPT - 5/8IN X 30IN REBAR  
W/ RED GPD CAP  
N: 563006.08  
E: 2266869.97  
ELEVATION = 1127.53

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OAK GROVE INCLUSIVE PLAYGROUND  
CITY OF HUDSON, OHIO

LANDSCAPE PLAN - PROJECT AREA 2

ISSUED FOR:	
PERMIT	-
BID	-
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
IV	JLC

JOB NO.  
2025041.04

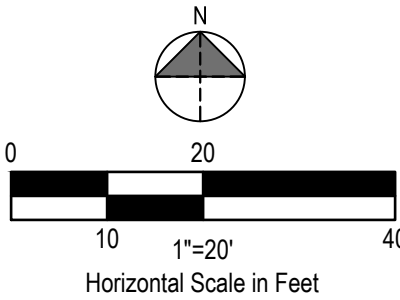
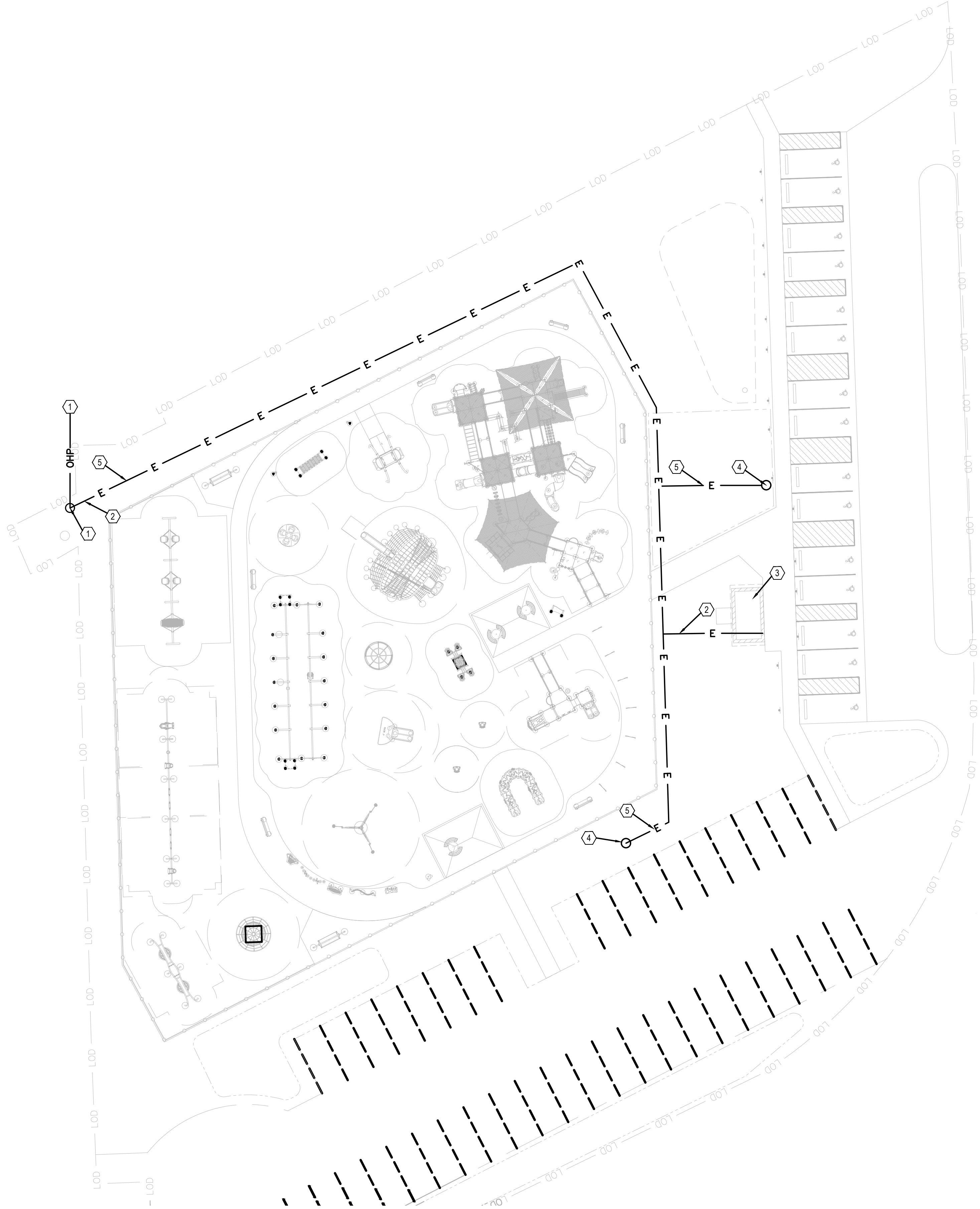
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SHEET NO:	18/21



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O:\PUBLIC\OH\HUDSON\2025025025041 04 HUDSON OAK GROVE INCLUSIVE PLAYGROUND\ WORKING FILES\100\_2025041 04 - ELECTRICAL PLANDWG - E-100 - GPD 99 PEN SETTINGS FOR CAD 2000.CTB - PLOTTED XXXXXX BY SASSER, JAMES



GENERAL SHEET NOTES

- A. COORDINATE WORK WITH OTHER TRADES, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF BUILDING OWNER, AND THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. COORDINATE THE INSTALLATION WITH OTHER TRADES AS REQUIRED TO ENSURE A NEAT AND ORDERLY INSTALLATION. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES BEFORE STARTING WORK.
- B. GENERAL CONTRACTOR AND SUB-CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE DOCUMENT SET.
- C. LIGHTING LOCATIONS SHALL BE COORDINATED WITH THE REFLECTED CEILING PLAN.
- D. ALL NIGHT LIGHTING SHALL BE CONNECTED TO CIRCUIT INDICATED, AHEAD OF ANY CONTROLS, WHERE CONTROLS OCCUR.
- E. LIGHT FIXTURES SHALL BE WIRED USING 2#12 & 1#12(G), MINIMUM CONDUIT SIZE (WHERE UTILIZED) SHALL BE 3/4". HOMERUNS EXCEEDING 100ft. SHALL BE WIRED USING 2#10 & 1#10(G).
- F. ALL NEUTRALS SHALL BE DEDICATED. SHARING OF NEUTRALS IS NOT PERMITTED.
- C. POWER AND DATA LOCATIONS SHALL BE COORDINATED WITH THE EQUIPMENT PLANS AND ELEVATIONS.
- D. COORDINATE CIRCUIT, DISCONNECT, AND TERMINATION LOCATION(S) PRIOR TO ROUGH-IN.
- E. SEAL ALL PENETRATIONS IN EXTERIOR WALLS WEATHER-TIGHT.

PLAN KEYNOTES (#)

1. ELECTRICAL SERVICE FROM OVERHEAD UTILITY POLE FROM POLE MOUNTED TRANSFORMER APPROXIMATELY 450' AWAY. CONFIRM EXACT REQUIREMENTS WITH ELECTRICAL SERVICE PROVIDER. PROVIDE A NEMA 3R 200A, 208V-3P-4W SERVICE ENTRANCE PANELBOARD WITH 200A/3 MAIN CIRCUIT BREAKER WITH POWER COMPANY METER MOUNTED ON UNISTRUT STRUCTURE. ROUTE 4#3/0 & 1#4 GND IN 2" RGS CONDUIT UP UTILITY POLE WITHIN 5' OF POWER COMPANY CONNECTION. PROVIDE WEATHER HEAD AND 10' OF COILED CABLE FOR POWER COMPANY CONNECTION. PROVIDE SERVICE GROUNDING PER NEC.
2. PROVIDE UNDERGROUND BRANCH CIRCUIT FOR RESTROOM BUILDING WITH 4#2/0 & 1#6 IN 2" SCHEDULE 40 PVC CONDUIT, TRANSITION TO RGS CONDUIT ABOVE GRADE. INCREASE CONDUCTOR SIZE AS REQUIRED FOR VOLTAGE DROP SUCH THAT VOLTAGE DROP DOES NOT EXCEED 3%.
3. PREMANUFACTURED RESTROOM BUILDING WITH INTERIOR 100A PANELBOARD BY OTHERS.
4. AREA LIGHT POLE. PROVIDE BOLTED ALUMINUM 4" ROUND X 0.125" THICK POLE WITH HEIGHT IN ACCORDANCE WITH ALL LOCAL ORDINANCES. PROVIDE 120V LED LIGHT FIXTURE WITH 15,000 LUMENS, TYPE IV DISTRIBUTION, 5000K COLOR TEMPERATURE MINIMUM. PROVIDE 24" DIAMETER REINFORCED CONCRETE BASE WITH 36" CONCRETE ABOVE GRADE.
5. PROVIDE 2#8 & 1#10 GND IN 1" UNDERGROUND SCHEDULE 40 PVC TO AREA LIGHTS. INCREASE CONDUCTOR SIZE AS REQUIRED FOR VOLTAGE DROP SUCH THAT VOLTAGE DROP DOES NOT EXCEED 3%.



HUDSON  
OHIO

REV.	DATE	DESCRIPTION
-		

OAK GROVE INCLUSIVE PLAYGROUND  
CITY OF HUDSON, OHIO

ELECTRICAL PLAN

ISSUED FOR:	
PERMIT	-
BID	-
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
IV	EM

JOB NO.  
2025041.04

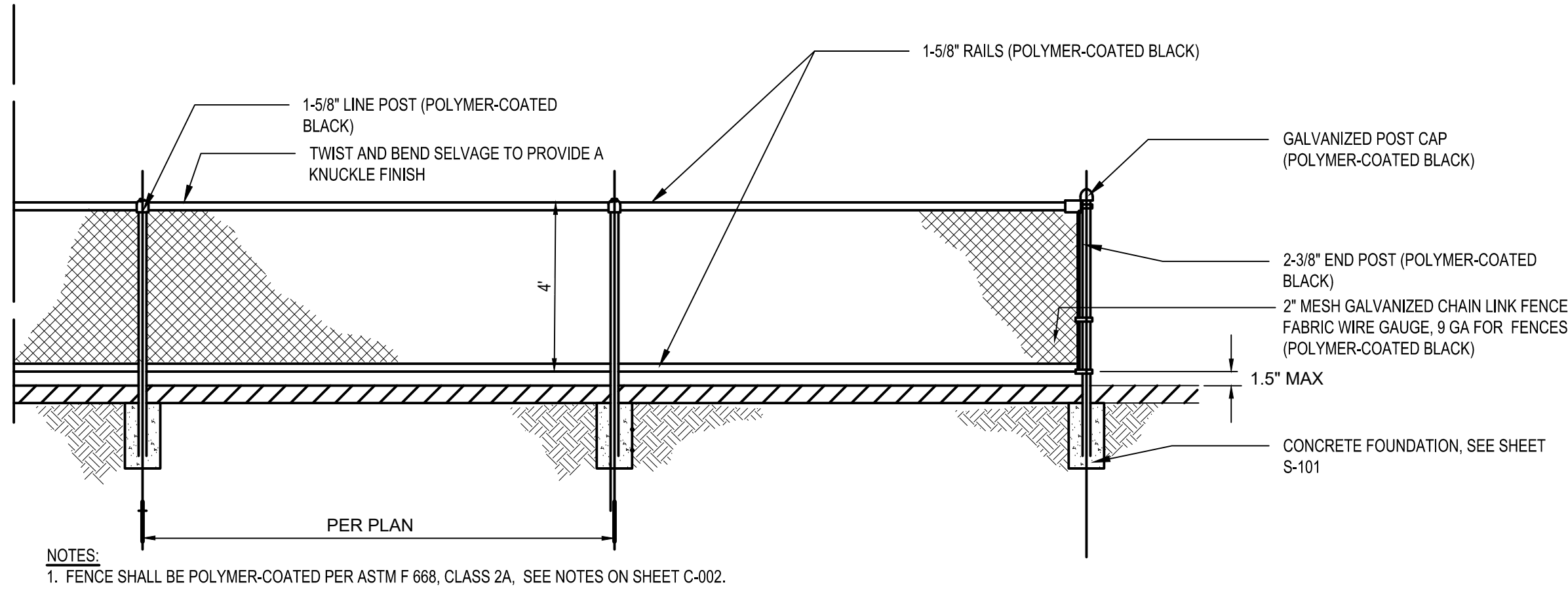
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SHEET NO:  
19/21

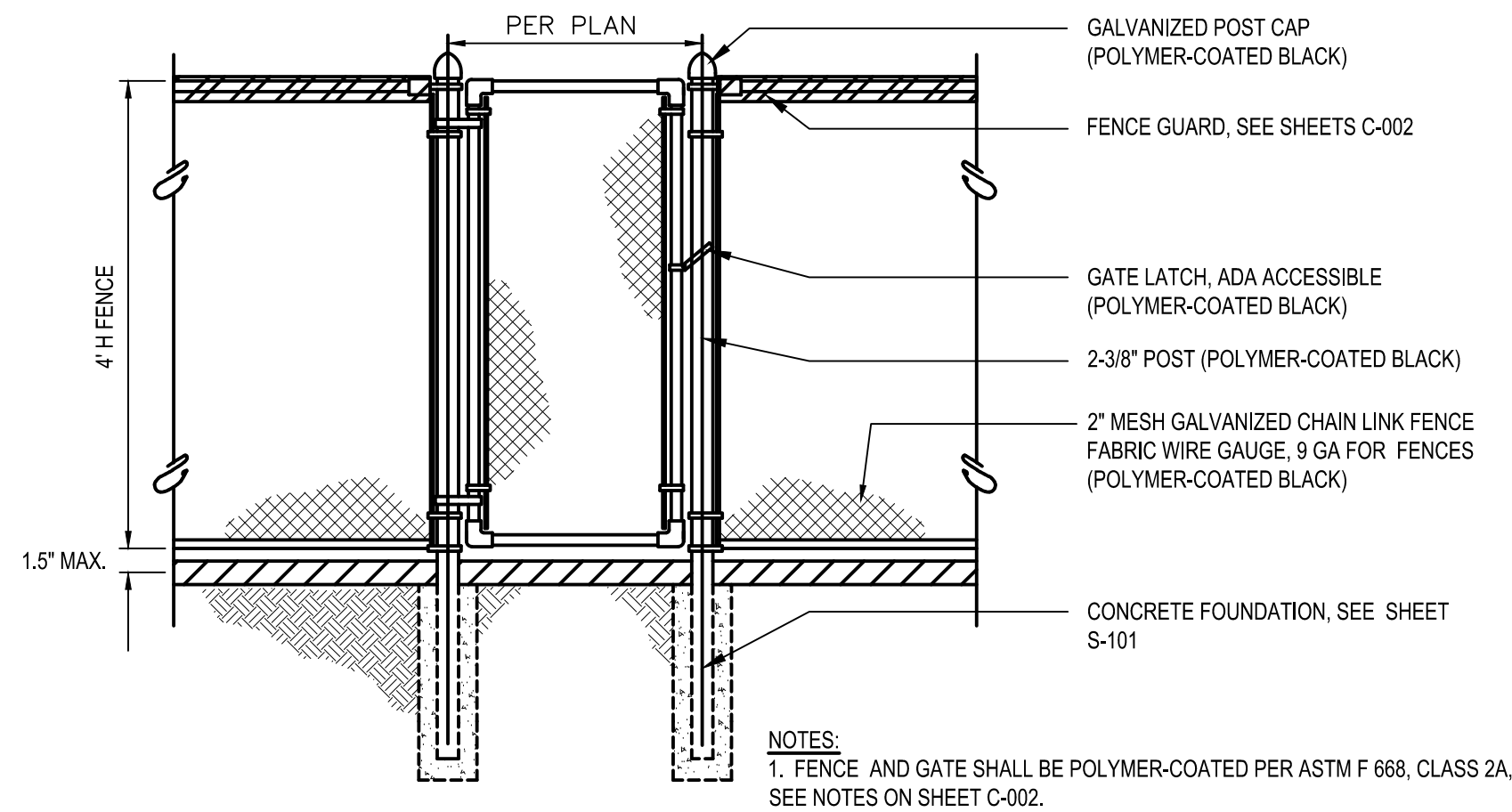




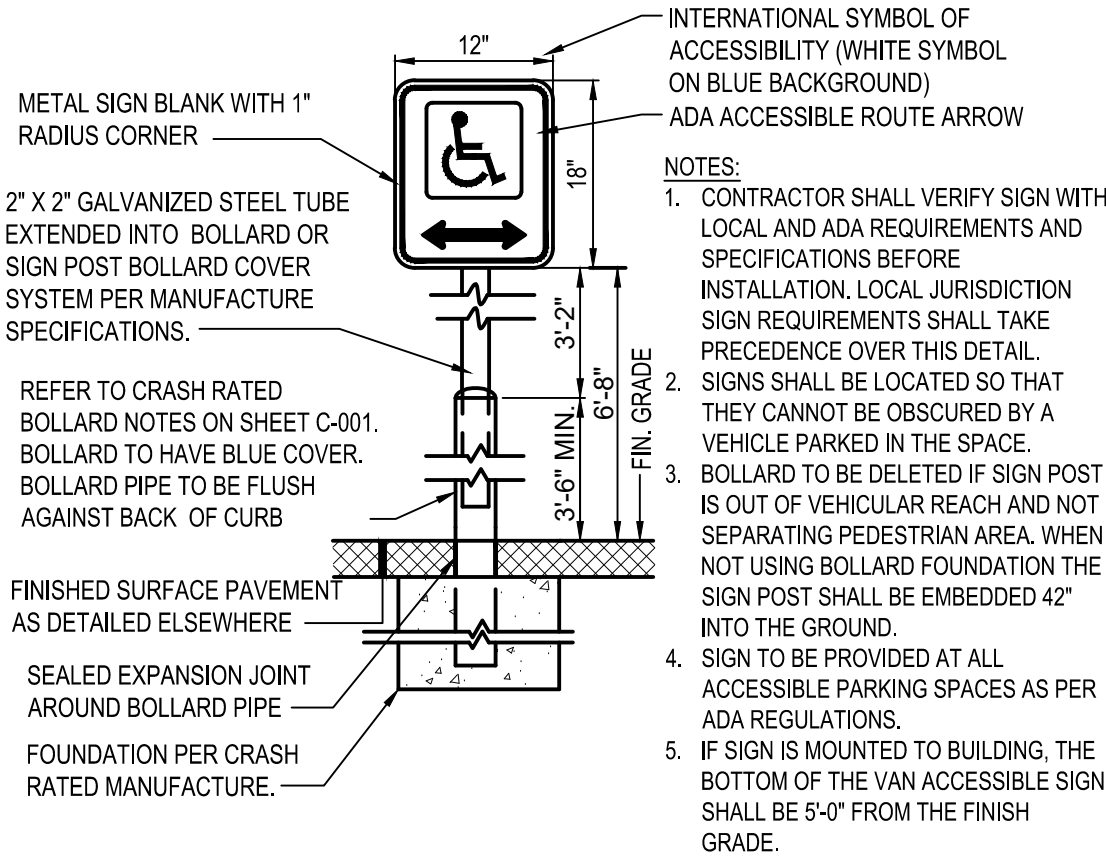
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C1 4-FOOT CHAIN LINK FENCE  
N.T.S.



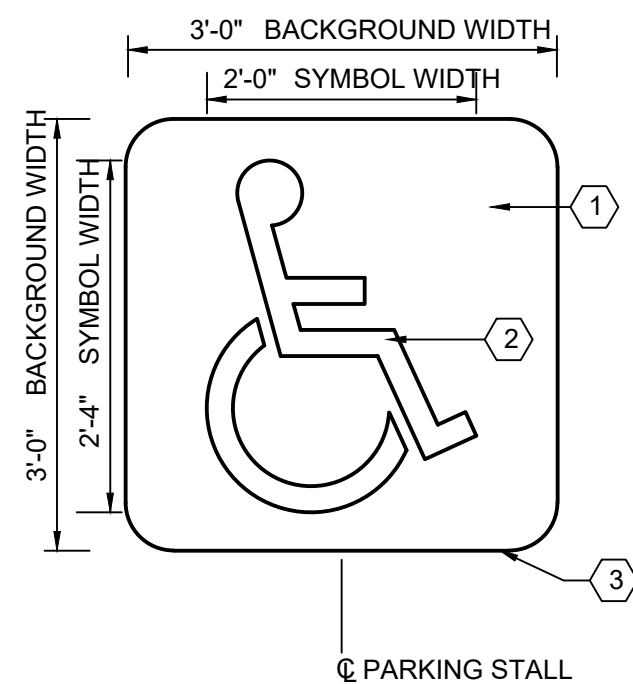
B1 4-FOOT GATE  
N.T.S.



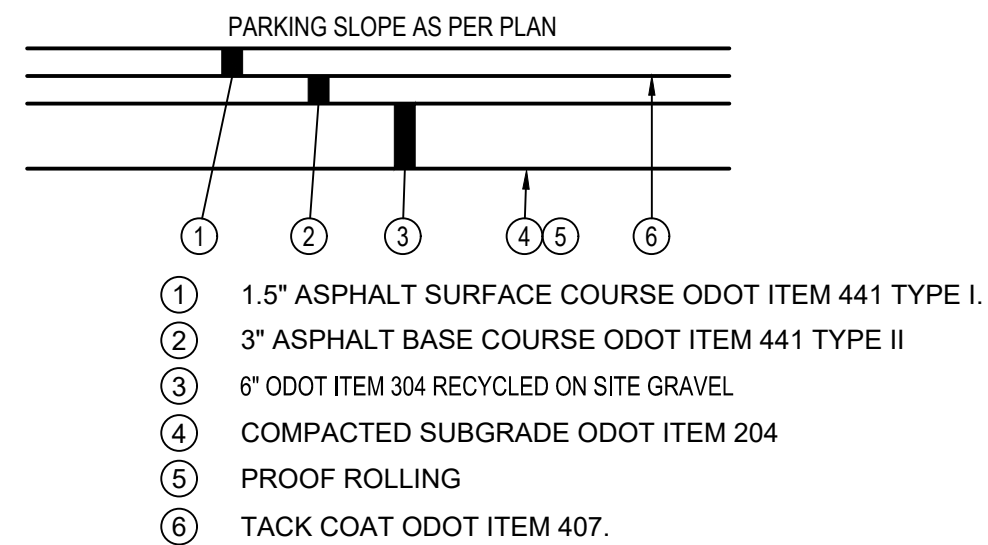
A1 ADA ACCESS ROUTE SIGN  
N.T.S.

KEYED NOTES

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

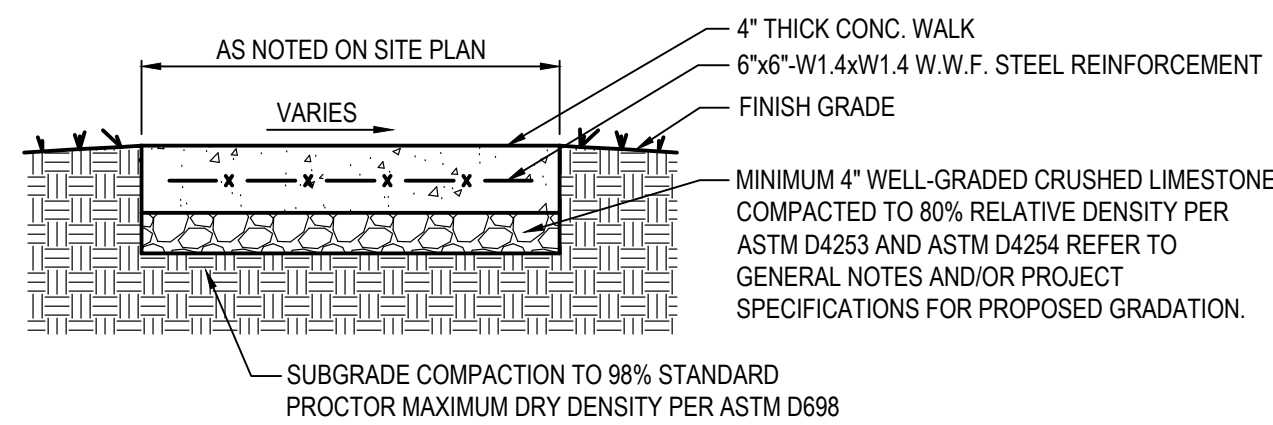


A2 ADA PAVEMENT SYMBOL  
N.T.S.



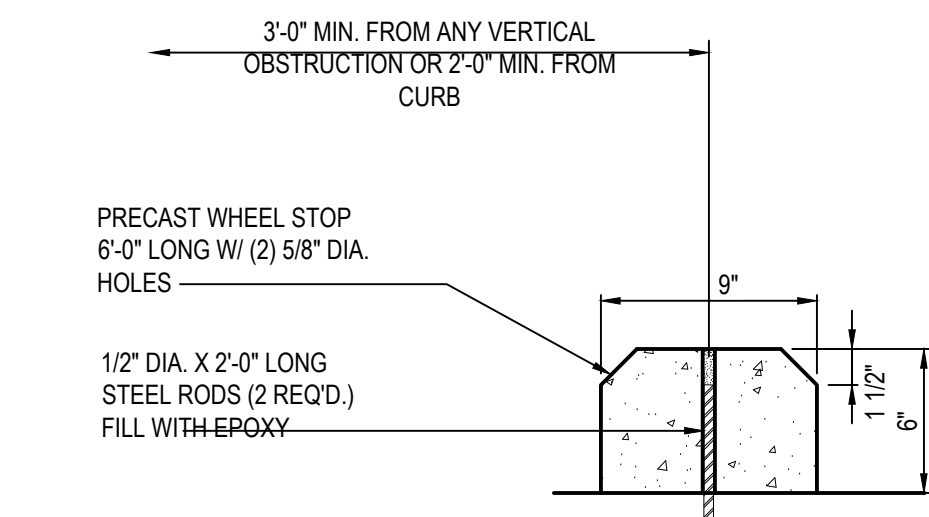
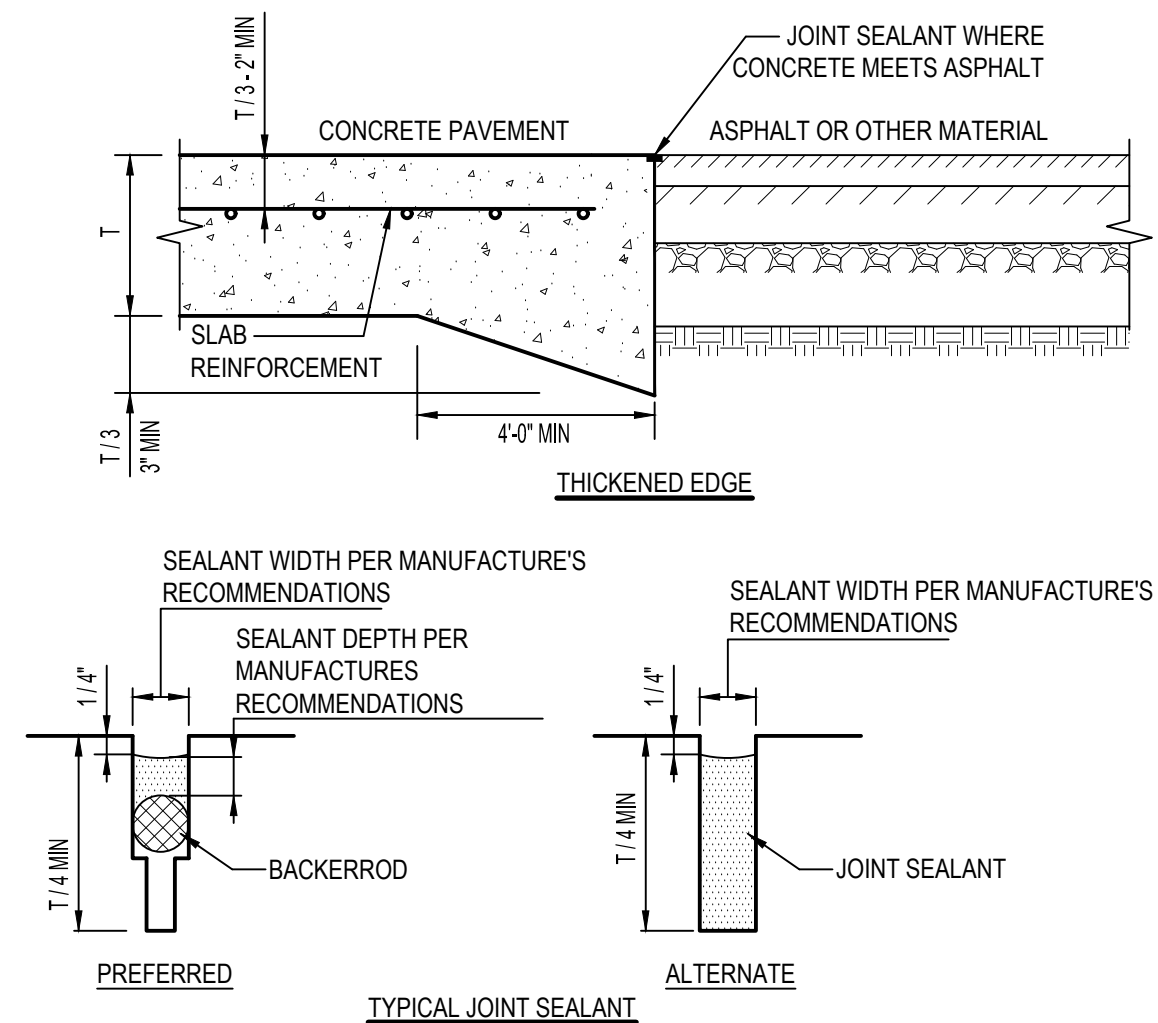
- NOTES:
1. APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT AND WHERE PROPOSED ASPHALT MEETS EXISTING ASPHALT INCLUDING SAW CUT JOINTS.
  2. NO RECYCLE MATERIAL SHALL BE PERMITTED IN ASPHALT SURFACE COURSE. SHALL BE 100% VIRGIN LIMESTONE MIX.
  3. RAP MATERIAL SHALL BE LIMITED TO A MAXIMUM OF 20% IN THE ASPHALT BASE COURSE. NO RAS IS PERMITTED
  4. THE FINAL MIX DESIGN, PLACEMENT AND TESTING SHALL BE IN ACCORDANCE WITH THE LOCAL DOT / TRANSPORTATION CABINET SPECIFICATIONS.

B2 ASPHALT PAVEMENT SECTION  
N.T.S.



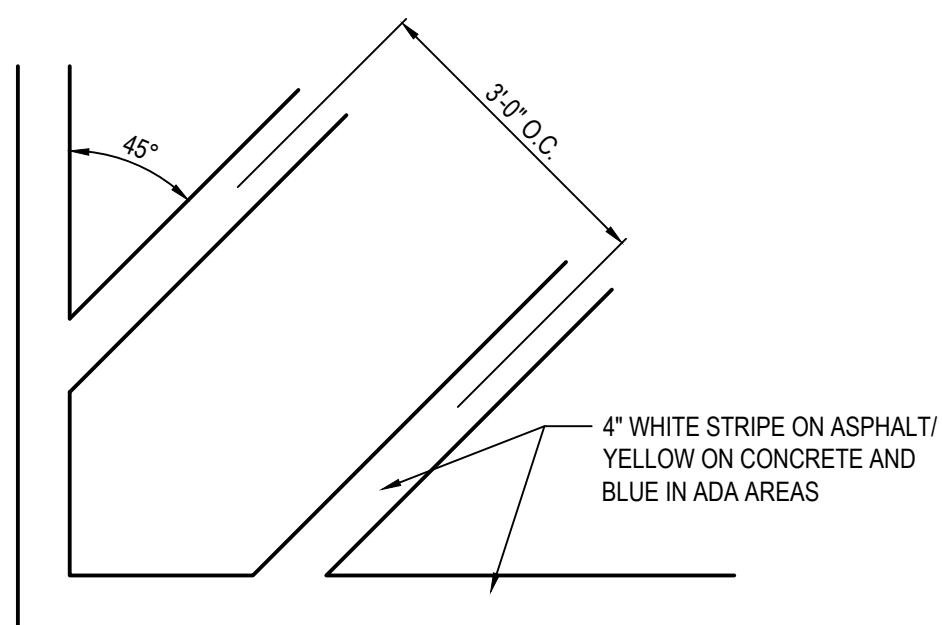
- NOTES:
1. CONTRACTOR SHALL INSTALL 1/2" PRE-FORMED EXPANSION JOINT MATERIAL AND JOINT SEALER WHERE PAVEMENT ABUTS BUILDING OR OTHER RIGID STRUCTURES. EXPANSION JOINT MATERIAL SHALL ALSO BE PLACED AT INTERVALS ALONG LINEAR LENGTH TO PREVENT EXPANSION HEAVING PER ACI STANDARDS.
  2. FIBER MAY BE USED IN PLACE OF STEEL REINFORCEMENT PER ACI STANDARDS AND SPECIFICATIONS AND/OR AS SPECIFIED IN THE PROJECT DOCUMENTS.
  3. THE AS-BUILT CROSS SLOPE SHALL BE GREATER THAN 0.5% (UNLESS NOTES OTHERWISE) AND SHALL ALWAYS BE LESS THAN 2.0% (IF A DISCREPANCY IS DISCOVERED, THE CONSTRUCTION MANAGER SHALL BE NOTIFIED PRIOR TO PLACING MATERIALS).

C2 CONCRETE WALK  
N.T.S.



- NOTE:
1. SEE SITE PLAN FOR LOCATION AND QUANTITY OF WHEELSTOPS.
  2. WHEN APPLICABLE IN CONCRETE PAVEMENTS, WHEEL STOPS SHALL BE ANCHORED TO CONCRETE WITH HDI+ 1/4" DROP-IN ANCHORS, 1" EMBEDMENT W/ 1/4" THREADED ROD.

B3 WHEELSTOP  
N.T.S.



A3 TRANSVERSE STRIPING & PAVEMENT MARKING NOTES  
N.T.S.

- NOTES:
- ALL PAVEMENT MARKINGS TO BE WHITE PAVEMENT PAINT, UNLESS STATED OTHERWISE. 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.
- PROVIDE A NON-SLIP AGGREGATE ADDITIVE TO MARKING PAINT USED AT ADA ACCESS RAMPS.
- APPLY 2 COATS WITH STRAIGHT EDGES. YELLOW ON CONCRETE/WHITE ON ASPHALT EXCEPT WHEN MATCHING ADJACENT OR EXISTING COLOR WHEN THE PAVING IS AN EXPANSION OR SEGMENT OF A LARGER LOT. CONTRACTOR SHALL APPLY THE SECOND COAT NO SOONER THAN 30 DAYS OF APPLYING THE FIRST COAT.

DESCRIPTION		DATE		REV.	

OAK GROVE INCLUSIVE PLAYGROUND  
CITY OF HUDSON, OHIO

SITE DETAILS

ISSUED FOR:	
PERMIT	-
BID	-
CONSTRUCTION	-
RECORD	-
PROJECT MANAGER	DESIGNER
IV	JLC

JOB NO.  
**2025041.04**

SHEET:  
**C-501**

SHEET NO:  
**20/21**



[illegible]

OAK GROVE INCLUSIVE PLAYGROUND  
CITY OF HUDSON, OHIO

## UTILITY DETAILS

ISSUED FOR:	
PERMIT	-
BID	-
CONSTRUCTION	-
RECORD	-

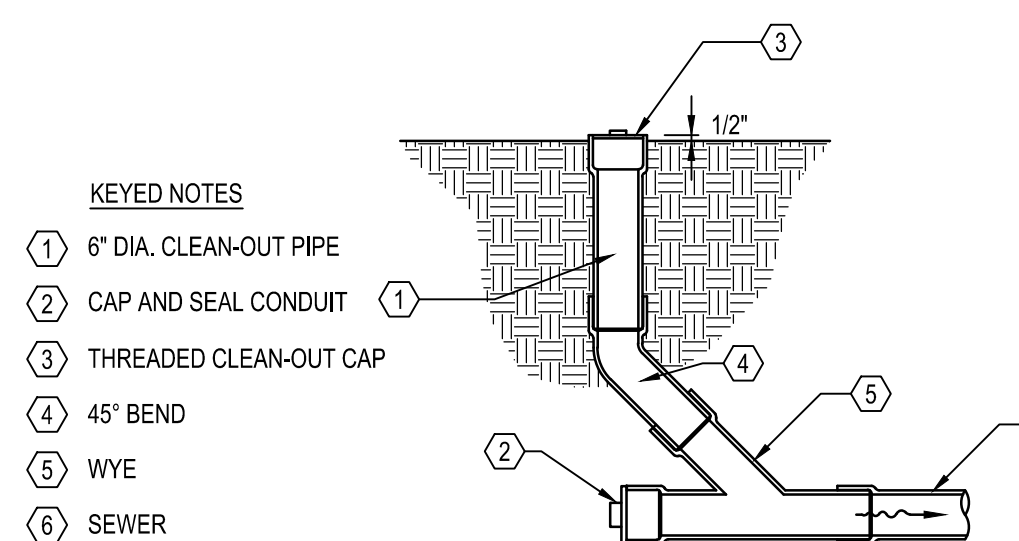
  

PROJECT MANAGER	DESIGNER
IV	JLC

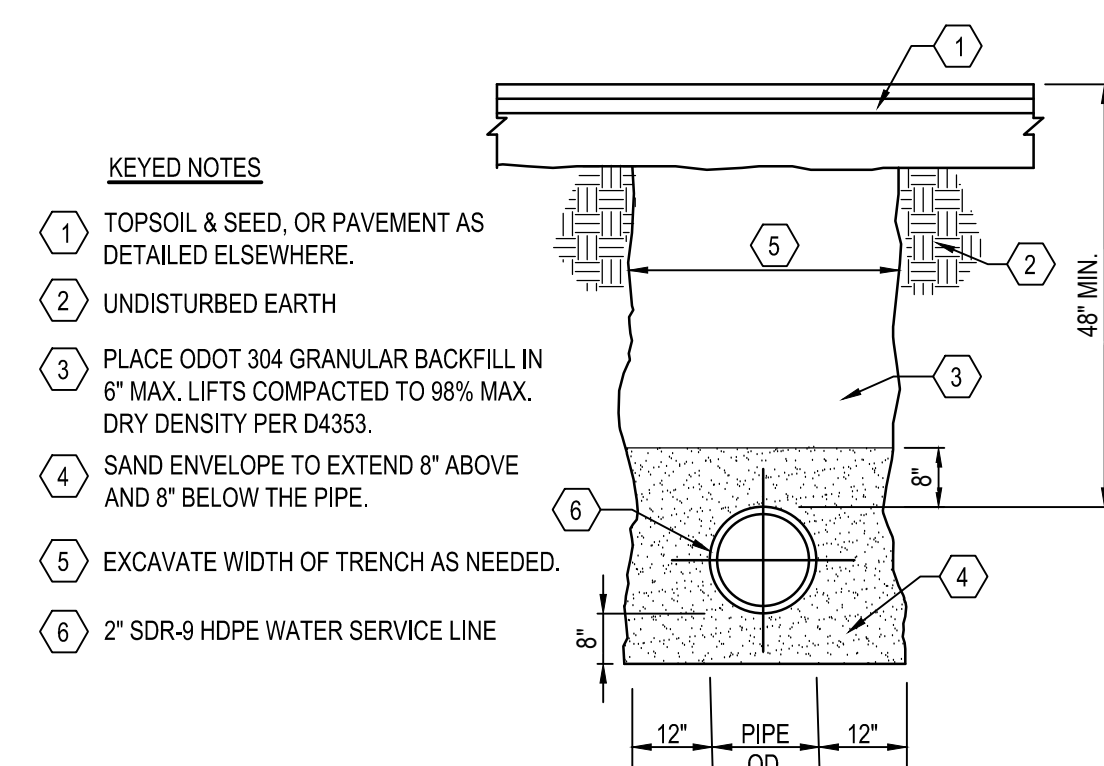
JOB NO.  
2025041.04

SHEET: C-502

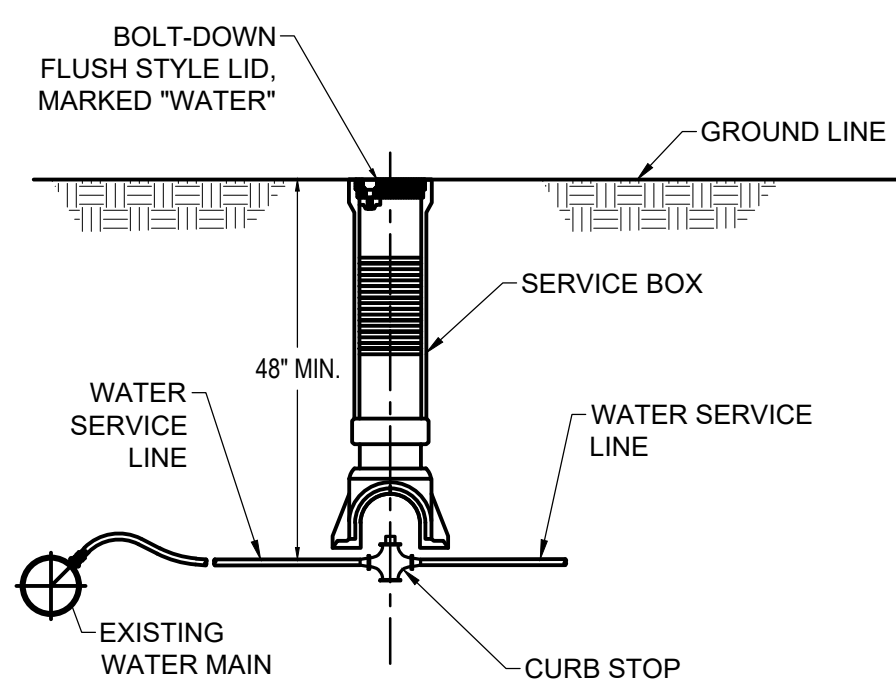
21/21



C1 CLEAN OUT (LAWN AREA)  
N.T.S.

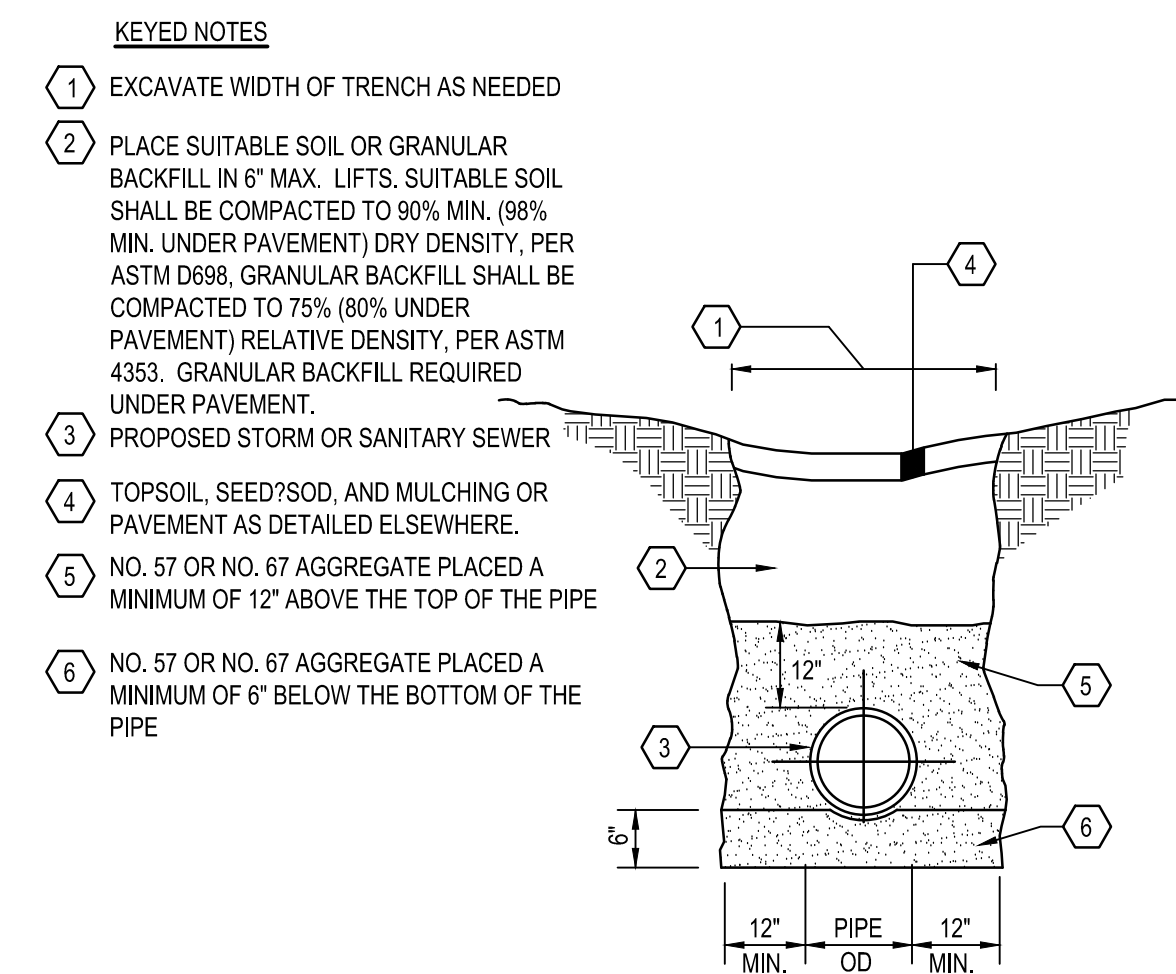


B1 WATER SERVICE TRENCH  
N.T.S.



STAINLESS STEEL NON-SEAMED INSERT STIFFENERS SHALL BE USED FOR ALL COMPRESSION AND PACKED JOINT FITTINGS

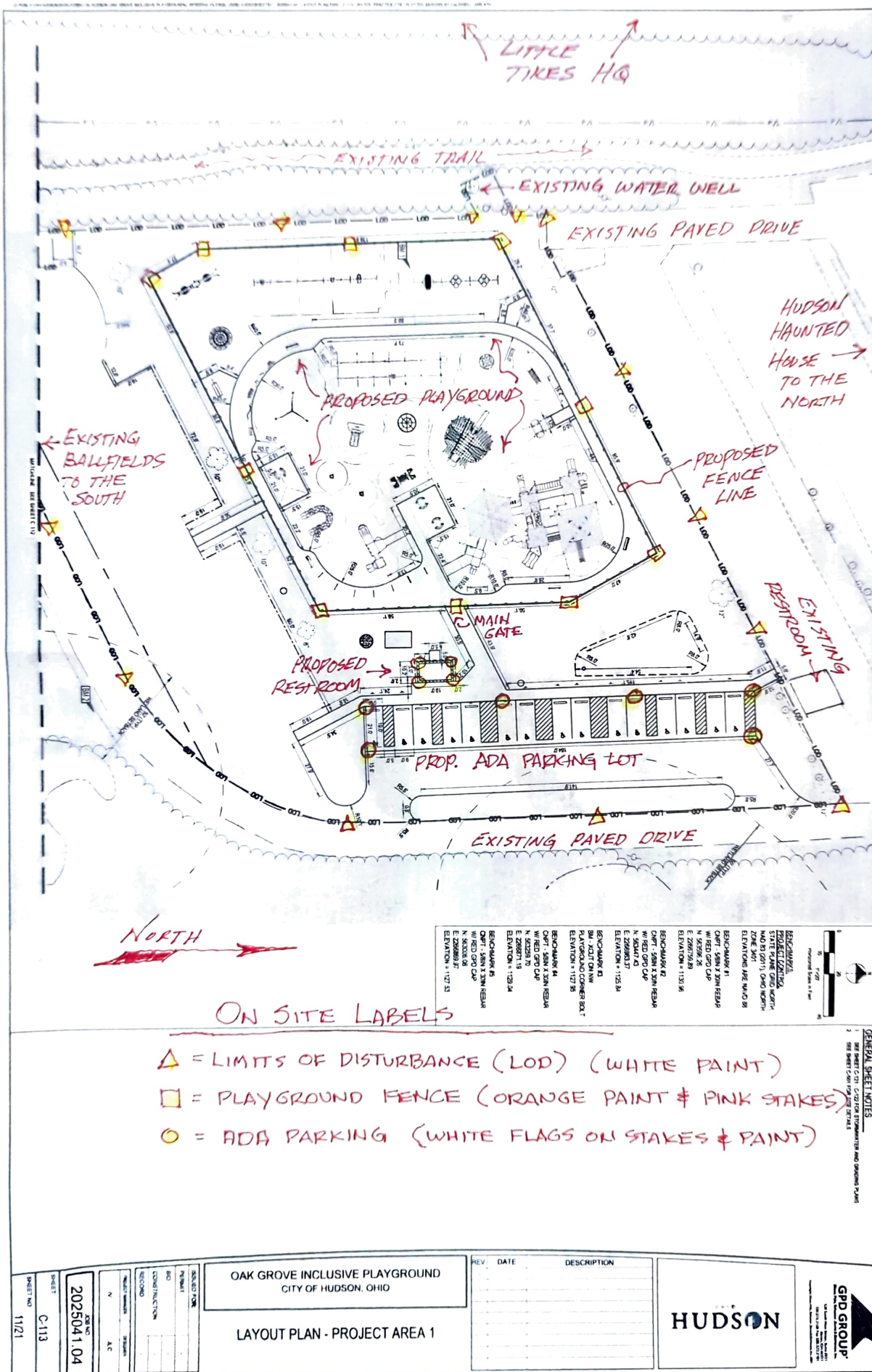
A1 CURB STOP BOX  
N.T.S.



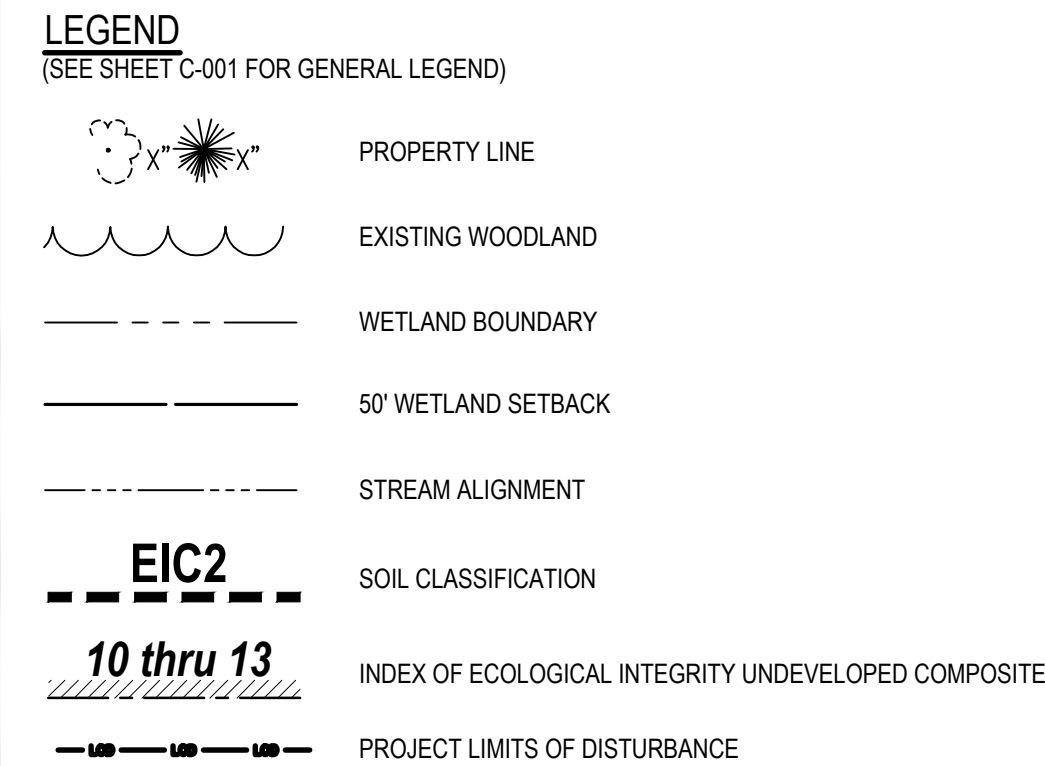
A2 SEWER TRENCH  
N.T.S.



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SURVEYING PARAMETERS:  
USE THE FOLLOWING PRIMARY PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING  
PARAMETERS FOR ALL SURVEYING:

PRIMARY PROJECT CONTROL:  
POSITIONING METHOD: ODOT VRS  
MONUMENT TYPE: 5/8"x 30" Rebar with red "GPD" cap

VERTICAL POSITIONING:  
ORTHOMETRIC HEIGHT DATUM: NAVD83  
GEOID:18

HORIZONTAL POSITIONING:  
REFERENCE FRAME: NAD83(2011)

ELLIPSOID:GRS80

MAP PROJECTION: Lambert Conformal Conic  
COORDINATE SYSTEM: Ohio State Plane, North Zone, 3401  
PROJECT IS IN GRID COORDINATES  
ORIGIN OF COORDINATE SYSTEM: 0,0

UTILITIES AND GIS:

ALL SURFACE UTILITIES ARE (PER PLAN) UNLESS OTHERWISE NOTED. AS A RESULT OF OHIO811 COORDINATION AS DESCRIBED IN O.R.C. 153.64, SUBSURFACE UTILITY LINES SHOWN HEREON WERE MARKED ON THE GROUND BY THIRD PARTIES, OR DEPICTED IN RECORDS/MAPPING PROVIDED BY THIRD PARTIES THAT MAY OR MAY NOT SHOW ACCURATE LOCATION INFORMATION. THE THIRD PARTIES INVOLVED IN SAID COORDINATION WERE NOT CONTRACTUALLY OBLIGATED TO GPD GROUP. GPD GROUP ACCEPTS NO LIABILITY OR RESPONSIBILITY ARISING OUT OF ANY MATTERS RELATING TO THE MARKINGS OR INFORMATION PROVIDED BY THE 811 COORDINATION OF SAID SUBSURFACE UTILITIES. NO WARRANTY OR GUARANTEE IS EXPRESSED OR IMPLIED AS TO THE LOCATION OR ACCURACY OF ANY 811 PROVIDED SUBSURFACE UTILITY LABELED IN THE DRAWING AS (PER PLAN) AND SHOWN FOR INFORMATIONAL PURPOSES ONLY.

EXTREME CARE SHOULD BE TAKEN WHEN WORKING IN THESE AREAS AS THE LOCATIONS OF THE SERVICES SHOWN HEREIN ARE ASSUMED FROM WHAT WE COULD INTERPRET FROM THE RECORDS RECEIVED. AS A RESULT OF OHIO811 COORDINATION AS DESCRIBED IN O.R.C. 153.64, SUBSURFACE UTILITY LINES SHOWN HEREON WERE MARKED ON THE GROUND BY THIRD PARTIES, OR DEPICTED IN RECORDS/MAPPING PROVIDED BY THIRD PARTIES THAT MAY OR MAY NOT SHOW ACCURATE LOCATION INFORMATION.

THE THIRD PARTIES INVOLVED IN SAID COORDINATION WERE NOT CONTRACTUALLY OBLIGATED TO GPD GROUP. GPD GROUP ACCEPTS NO LIABILITY OR RESPONSIBILITY ARISING OUT OF ANY MATTERS RELATING TO THE LOCATION OR INFORMATION PROVIDED BY THE 811 COORDINATION ON SAID SUBSURFACE UTILITIES.

NO WARRANTY OR GUARANTEE IS EXPRESSED OR IMPLIED AS TO THE LOCATION OR ACCURACY OF ANY 811 PROVIDED SUBSURFACE UTILITY IN THE DRAWING AS (PER PLAN) AND SHOWN FOR INFORMATIONAL PURPOSES ONLY.

ALL STORM AND SANITARY SEWER LINES SIZES REFLECT FIELD MEASUREMENTS AND NOT THE MAP PROVIDED BY THE UTILITY ENTITY.

ALL PROPERTY LINES ARE FROM COUNTY PROVIDED GIS AND DO NOT REPRESENT A BOUNDARY SURVEY.

SITE INFORMATION	
DESCRIPTION	ACRE
TOTAL AREA OF PROPERTY	23.27
PERCENTAGE COVERED BY IMPERVIOUS COVER	13.65%
TOTAL BUILDING COVER	0.12
FLOOR AREA TO LOT RATIO	0.005
GROSS FLOW RATE	
TOTAL AREA OF PROJECT (LIMITS OF DISTURBANCE)	1.87
% TOTAL AREA OF UNDISTURBED LAND WITH A BREAKDOWN BY USE	92%
FORESTED WOODLAND	76.09%
OPEN LAWN/BALL FIELD	14.11%
GRAVEL PARKING LOT (WITH LANDSCAPE STRIPS)	9.21%
EXISTING STRUCTURE (HAUNTED HOUSE)	0.58%

[illegible]

**OAK GROVE INCLUSIVE PLAYGROUND**  
CITY OF HUDSON, OHIO

# PROPERTY MAP

ISSUED FOR:	
PERMIT	-
BID	-
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
IV	JLC

JOB NO.  
2025041.04

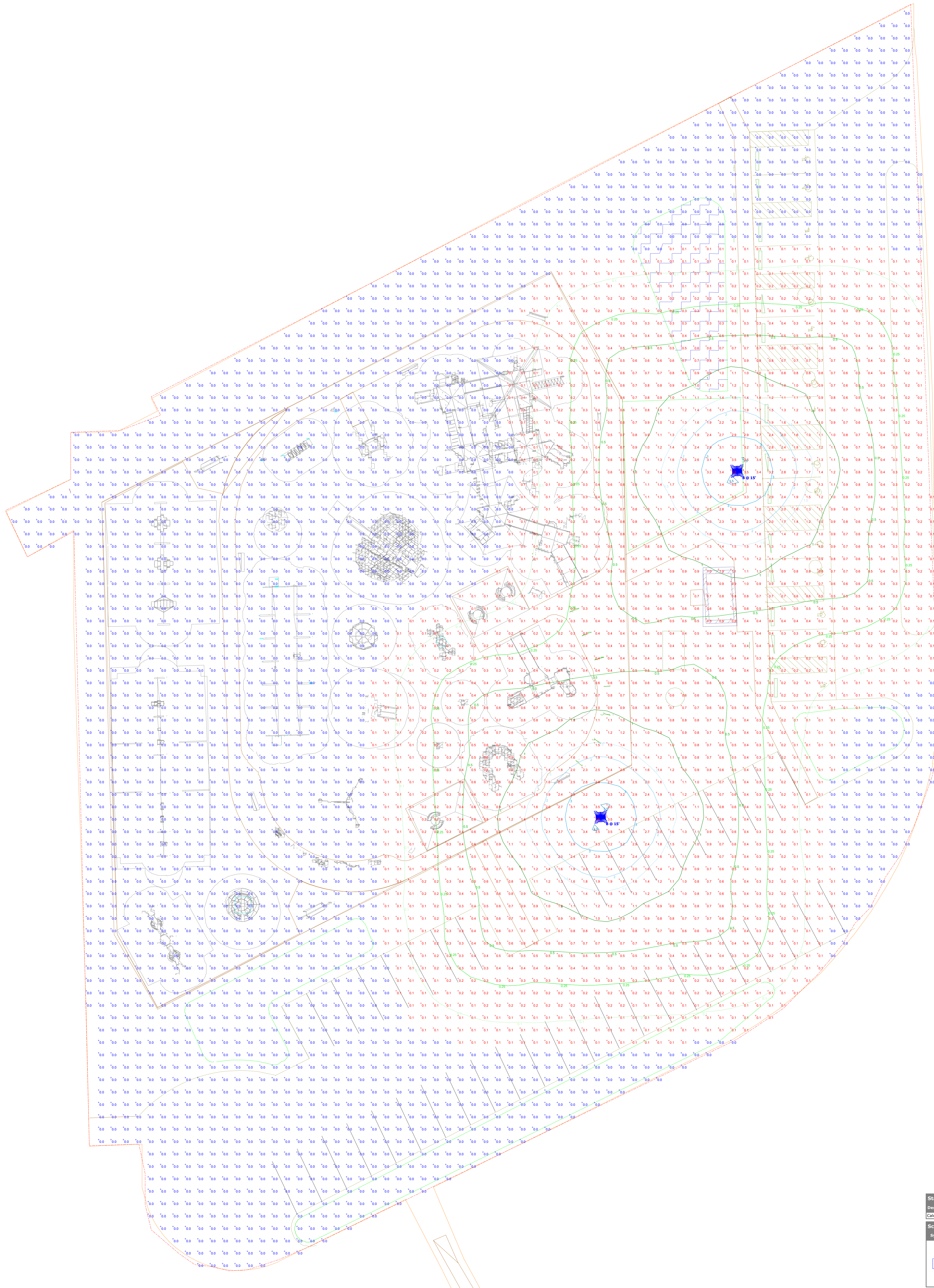
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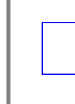
HUDSON  
OHIO

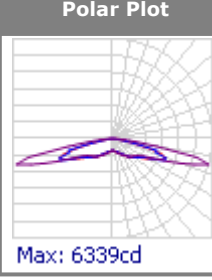
Q:\PUBLIC\HUDSON\2025\202504.1.04 HUDSON OAK GROVE INCLUSIVE PLAYGROUND\4. WORKING FILES\00\_ (2026) CAD\CSHEETS\X - 202504.1.04 - PARCEL MAP.DWG - X-00X - WATER\_PRACTICE.CTB - PLOTTED XX/XX/XX BY CALDWELL, JARLATH





Statistics					
Description	Symbol	Avg	Max	Min	Max/Min Avg/Min
Calc Zone	+	0.3 f.c.	3.5 f.c.	0.0 f.c.	N/A N/A

Schedule									
Symbol	Label	Image	QTY	Manufacturer	Catalog	Description	Number Lamps	Lamp Output	LLF
	B		2	Garco by Signify	P26-A01-750-T5W	P0445253 PureForm Family Upgrade Ph 2- P26, 40 LED's, 5000K CCT, 70 CRI, T5W OPTIC	1	11804	67.8







**Gardco PureForm LED P26** features a sleek, low profile design and optimal performance. PureForm large area light is designed to achieve maximum pole spacing, with lumen output up to 62,000 lumens. Multiple distribution and shielding options are available to achieve maximum control. A full range of control options provides additional energy savings.

Project: \_\_\_\_\_

Location: \_\_\_\_\_

Cat.No: \_\_\_\_\_

Type: \_\_\_\_\_

Lamps: \_\_\_\_\_ Qty: \_\_\_\_\_

Notes: \_\_\_\_\_

### Ordering guide

Example: P26-A08-830-T4M-HIS-AR1-120-DALI-WIAPHW-SP2-BK

Prefix	Nominal Lumens Selection	CCT/CRI	Distribution	Shielding	Mounting	Voltage
P26						
P26 PureForm area light	A01 12,000 lumens	830 80CRI, 3000K	Autofront row	None - HIS Internal house side shield (clip-on)	AR1 <sup>2</sup> Arm mount (standard)	120 120V
	A02 15,500 lumens	840 80CRI, 4000K	AFR Auto front row		208 208V	
	A03 18,000 lumens	730 70CRI, 3000K	AFR-90 Rotated left 90°		240 240V	
	A04 22,000 lumens	740 70CRI, 4000K	AFR-270 Rotated left 270°		277 277V	
	A05 25,000 lumens	750 70CRI, 5000K	Type 2		UNV 120-277V	
	A06 28,000 lumens	827 <sup>1</sup> 80CRI, 2700K	Type 4 Medium		347 347V	
	A07 32,000 lumens		T4M Type 4 Medium		480 480V	
	A08 36,000 lumens		T4M-90 Rotated left 90°		HVU 374-480V	
	A09 40,000 lumens		T4M-270 Rotated left 270°			
	A10 44,000 lumens		Type 4 Wide		The following mounting kits must be ordered separately (See accessories)	
	A11 50,000 lumens		T4W Type 4 Wide			
	A12 57,000 lumens		T4W-90 Rotated left 90°			
	A13 62,000 lumens		T4W-270 Rotated left 270°			
Based on 4000K 70 CRI. Refer to lumen tables and IES for exact configurations.			Type 5	SF <sup>3</sup> Adjustable Slipfitter		
			T3M Type 3 Medium	RAM <sup>2</sup> Retrofit arm mount kit		
			T3M-90 Rotated left 90°	WAL Wall mount		
			T3M-270 Rotated left 270°			
			LEED Optics			
			LCL LEED corner optic left	BLC Back light control		
			LCR LEED corner optic right	BLC-90 Rotated left 90°		
				BLC-270 Rotated left 270°		
Driver type	Dimming Controls (only one may be selected)		Lighting controls (controls are mutually exclusive, only one may be selected)		Options	Finish
0-10V					TB Terminal block	Standard textured finish
010V 0-10V	None	-	None	-	Fusing	BK Black
	DLEA	Dimming leads externally accessible (controls by others)	PCB <sup>4,6</sup>	Photocontrol button	F1 <sup>4</sup> Single fuse (120V, 277V, or 347V)	WH White
	FAWS	Field adjustable wattage selector	TLR <sup>7,6</sup>	7-pin twist lock w/ 0-10v driver (non-D4i)	F2 <sup>4</sup> Double fuse (208V, 240V, or 480V)	BZ Bronze
	BL50L3	PIR motion response dim to 50% L3 lens	TLRPC <sup>4,6</sup>	7-pin twist lock w/ 0-10v driver (non-D4i) & on/off photocell	F3 <sup>4</sup> Double fuse Canadian double pole (208V, 240V, or 480V)	DG Dark gray
BL50L7	PIR motion response dim to 50% L7 lens				MG Medium gray	
DCC	Dual circuit control			Surge Protection (10kA standard)	Customer specified	
DALI					SP2 Surge protector 20kV/10kA (option)	OC Optional color (specify optional color or RAL, contact factory)
DALI SR/ DALI	None	-	None	-		SC Special color (must supply color chip, requires factory quote)
	CS50	Security 50 % dimming, 7 hours	PCB <sup>4,6</sup>	Photocontrol button		
	CM50	Median 50 % dimming, 8 hours	TR7 <sup>6,7</sup>	7-pin twist lock SR/DALI driver (D4i)		
	CS30	Security 30 % dimming, 7 hours	TLP <sup>4,6</sup>	7-pin twist lock SR/DALI driver (D4i) & on/off photocell		
	CM30	Median 30 % dimming, 8 hours				
	SRDR <sup>7</sup>	SR driver connected to Zhaga socket (D4i)				
	WIAPHW	Wireless Interact outdoor high mounting (15-40'), white housing				
WIAPHB	Wireless Interact outdoor high mounting (15-40'), black housing					
DCC <sup>5</sup>	Dual circuit control					

1. Extended lead times apply. Contact factory for details.
2. Mounts to a 4-5" round pole with adapter included for square poles.
3. Limited to a maximum of 45 degrees aiming above horizontal.
4. Must specify input voltage.
5. Not available with HVU [374-480V] in A01-A04.

6. Not allowed with DCC or Outdoor Interact (WIAP).
7. For luminaire to be ZD4i compliant luminaire must include both SRDR and TR7.
8. Only 3000K CCT and below are IDA International Dark Sky Approved.



# P26 PureForm LED large Area light

PureForm P26 Accessories (ordered separately, field installed)

## Shielding Accessories

### Clip on back light shielding

For use with Lumen Selection A01-A05	
P26-HIS-T23-2B	Internal house side shields. For optic types T2M, and T3M (qty 2)
P26-HIS-T4-2B	Internal house side shield for optic types T4M and T4W (qty 2)
P26-HIS-T5NMW-2B	Internal house side shield for optic types T5M, T5N and T5W (qty 2)
For use with Lumen Selection A06-A13	
P26-HIS-T23-4B	Internal house side shields. For optic types T2M, and T3M (qty 4)
P26-HIS-T4-4B	Internal house side shield for optic types T4M and T4W (qty 4)
P26-HIS-T5NMW-4B	Internal house side shield for optic types T5M, T5N and T5W (qty 2)

Note: Shielding can be included in ordering guide (HIS) to be installed in the factory or ordered as an accessory to be installed in the field.

## Controls Accessories

IRT9015	Handheld remote for grouping and configuration of Outdoor Interact WIAP (at least 1 recommended per site or use the Interact Pro app).
FSIR-100	Optional handheld remote for PIR motion sensor programming.

## Pole Top Fitters

(F) = Specify finish

PTF2 - Pole top fitter fits 2¾-2½" OD x 4" depth tenon	
P26-PTF2-1-90-(F)	1 luminaire at 90°
P26-PTF2-2-90-(F)	2 luminaires at 90°
P26-PTF2-2-180-(F)	2 luminaires at 180°
P26-PTF2-3-90-(F)	3 luminaires at 90°
P26-PTF2-4-90-(F)	4 luminaires at 90°
P26-PTF2-3-120-(F)	3 luminaires at 120°
PTF3 - Pole top fitter fits 3-3½" OD x 6" depth tenon	
P26-PTF3-1-90-(F)	1 luminaire at 90°
P26-PTF3-2-90-(F)	2 luminaires at 90°
P26-PTF3-2-180-(F)	2 luminaires at 180°
P26-PTF3-3-90-(F)	3 luminaires at 90°
P26-PTF3-4-90-(F)	4 luminaires at 90°
P26-PTF3-3-120-(F)	3 luminaires at 120°

## Mounting Accessories

(F) = Specify finish

P26-SF-G2-(F)	Slip fitter mount (fits to 2¾" O.D. tenon)
P26-RAM-G2-(F)	Retrofit arm mount kit
P26-WS-G2-(F)	Wall mount with surface conduit rear entry permitted
P26-BD-G2	Bird deterrent (order as an accessory)



# P26 PureForm LED large

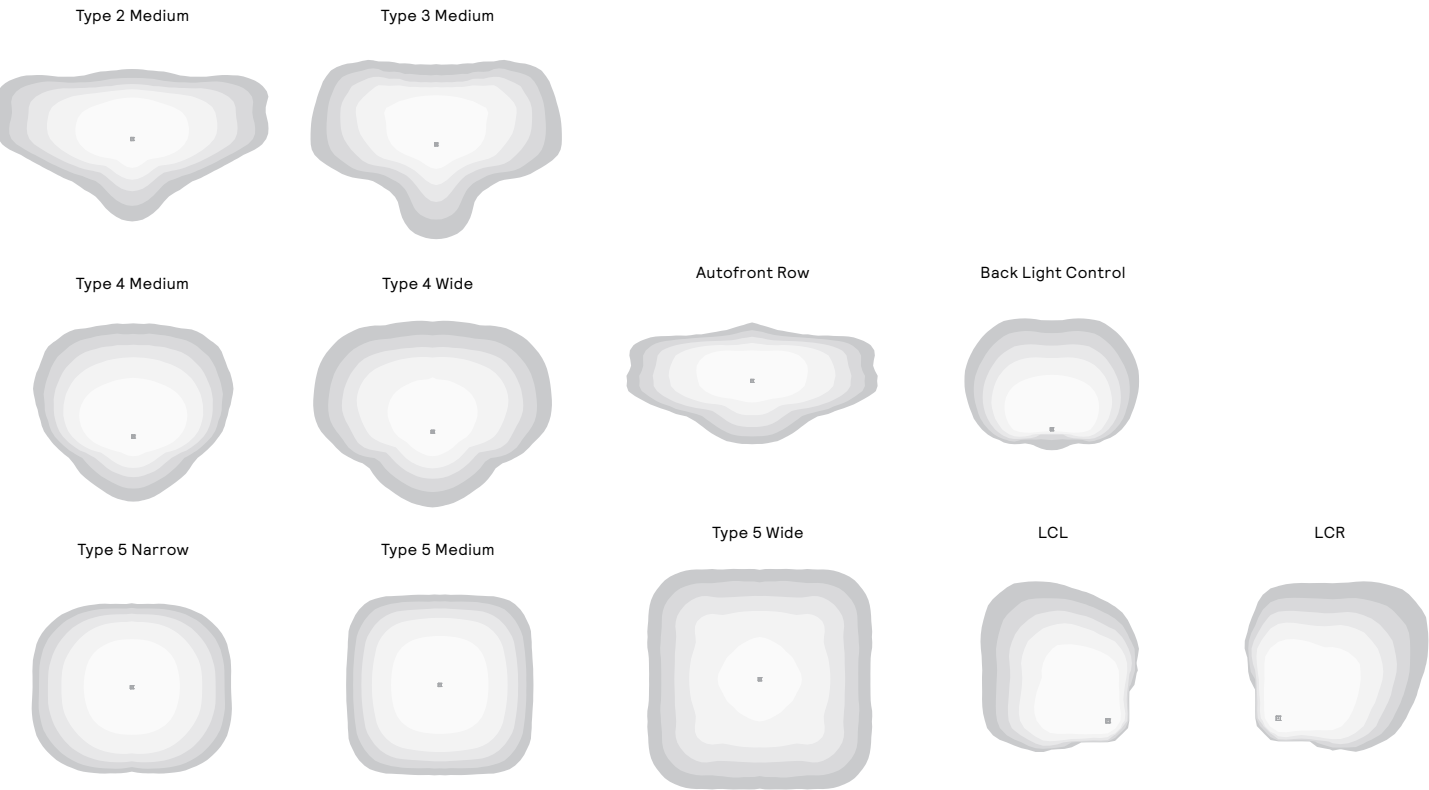
## Area light

### Predicted Lumen Depreciation Data

Predicted performance derived from LED manufacturer’s data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions.L70 is the predicted time when LED performance depreciates to 70% of initial lumen output. Calculated per IESNA TM21-11. Published L70 hours limited to 6 times actual LED test hours

Ambient Temperature °C	Calculated L70 Hours	L70 per TM-21	Lumen Maintenance % at 70,000 hrs
25°C	>100,000 hours	>100,000 hours	>93%

### Optical Distributions





# P26 PureForm LED large

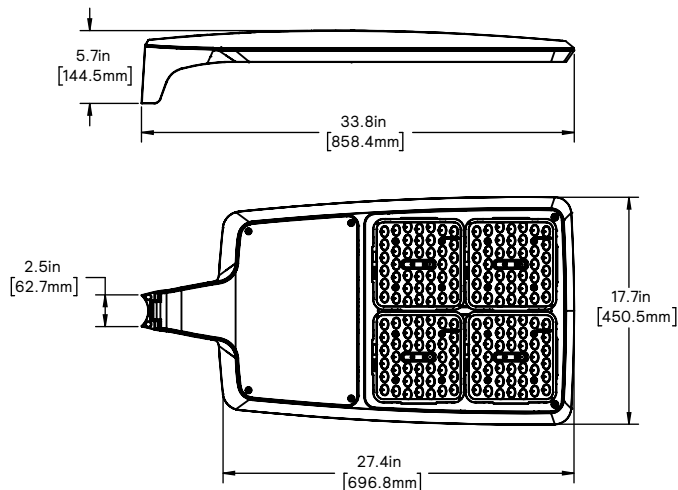
## Area light

### Dimensions

#### Standard Arm (AR)

Weight: 24 Lbs (10.9 Kg)

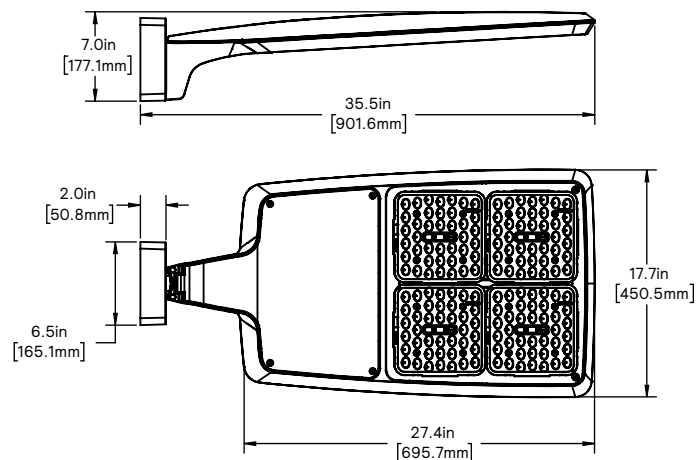
EPA: 0.42ft<sup>2</sup> (0.038m<sup>2</sup>)



#### Wall (WS)

Weight: 32.5 Lbs (14.7 Kg)

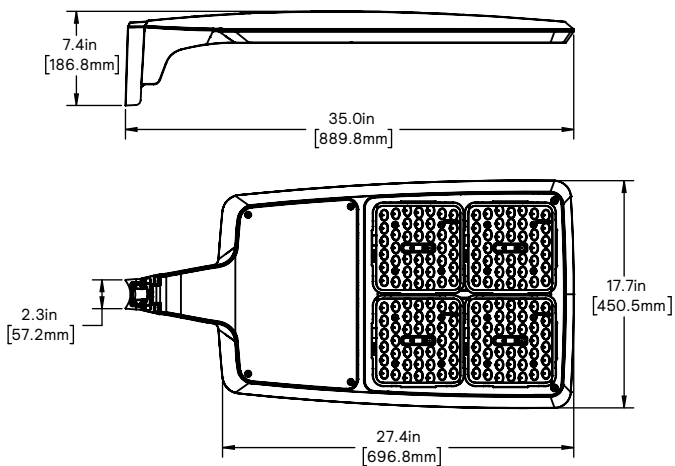
EPA: 0.56ft<sup>2</sup> (0.052m<sup>2</sup>)



#### Retrofit Arm (RAM)

Weight: 25 Lbs (11.3 Kg)

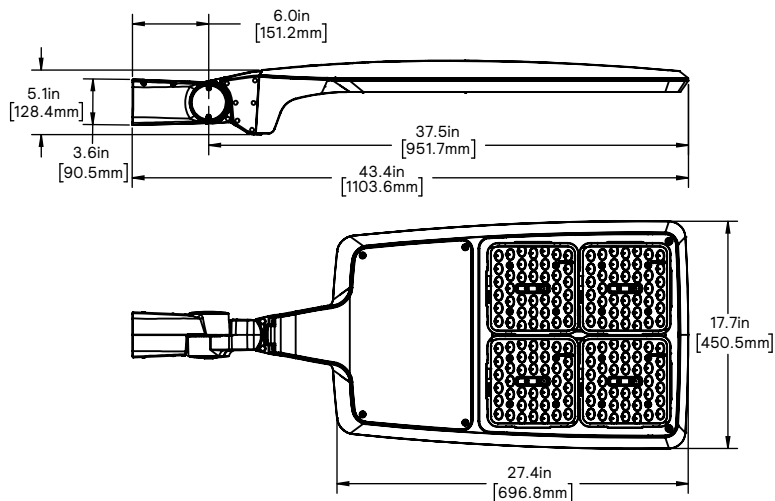
EPA: 0.56ft<sup>2</sup> (0.052m<sup>2</sup>)



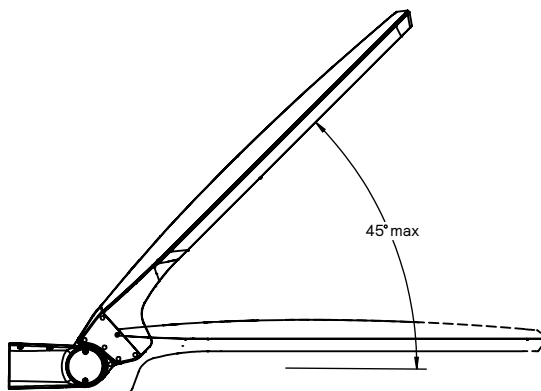
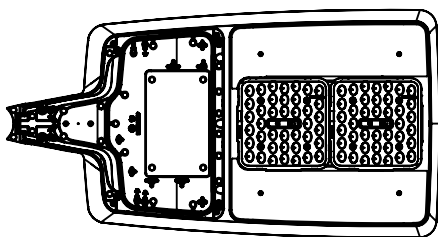
#### Slip Fitter (SF)

Weight: 30 Lbs (13.6 Kg)

EPA: 0.6ft<sup>2</sup> (0.055m<sup>2</sup>)



### 2 boards configuration





# P26 PureForm LED large

## Area light

### P26 lumen values

### LED Wattage and Lumen Values – 70CRI 3000K

Ordering Code	Average System Watts (W)	T2M			T3M			T4M			T4W		
		Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
P26-A01-730-x	68	12,076	B3-U0-G3	178	11,861	B2-U0-G3	175	11,751	B2-U0-G3	173	11,689	B2-U0-G3	172
P26-A02-730-x	85	14,816	B3-U0-G3	174	14,552	B3-U0-G3	170	14,418	B2-U0-G3	169	14,342	B2-U0-G3	168
P26-A03-730-x	103	17,835	B3-U0-G3	173	17,517	B3-U0-G3	170	17,355	B2-U0-G3	168	17,264	B3-U0-G3	167
P26-A04-730-x	123	20,904	B3-U0-G3	170	20,531	B3-U0-G4	167	20,342	B3-U0-G4	166	20,235	B3-U0-G3	165
P26-A05-730-x	149	24,768	B3-U0-G3	167	24,327	B3-U0-G4	164	24,102	B3-U0-G4	162	23,976	B3-U0-G4	162
P26-A06-730-x	154	27,459	B3-U0-G3	179	26,970	B3-U0-G4	176	26,721	B3-U0-G4	174	26,580	B3-U0-G4	173
P26-A07-730-x	178	31,381	B4-U0-G4	176	30,822	B3-U0-G4	173	30,537	B3-U0-G4	172	30,377	B3-U0-G4	171
P26-A08-730-x	206	34,998	B4-U0-G4	170	34,375	B3-U0-G5	167	34,057	B3-U0-G5	166	33,878	B3-U0-G5	165
P26-A09-730-x	230	38,714	B4-U0-G4	169	38,024	B4-U0-G5	166	37,673	B3-U0-G5	164	37,475	B4-U0-G5	163
P26-A10-730-x	267	44,284	B4-U0-G4	166	43,495	B4-U0-G5	163	43,094	B4-U0-G5	161	42,867	B4-U0-G5	160
P26-A11-730-x	304	49,169	B4-U0-G4	162	48,294	B4-U0-G5	159	47,848	B4-U0-G5	158	47,596	B4-U0-G5	157
P26-A12-730-x	344	54,280	B5-U0-G5	158	53,313	B4-U0-G5	155	52,821	B4-U0-G5	154	52,543	B4-U0-G5	153
P26-A13-730-x	383	59,343	B5-U0-G5	155	58,286	B4-U0-G5	152	57,748	B4-U0-G5	151	57,443	B4-U0-G5	150
		T5M			T5N			T5W			AFR		
		Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
		12,471	B4-U0-G2	184	12,588	B3-U0-G2	186	11,740	B4-U0-G3	173	12,463	B3-U0-G3	184
		15,301	B4-U0-G2	179	15,444	B4-U0-G2	181	14,404	B4-U0-G3	169	15,291	B3-U0-G3	179
		18,419	B4-U0-G2	178	18,590	B4-U0-G2	180	17,338	B4-U0-G3	168	18,407	B3-U0-G3	178
		21,589	B4-U0-G2	176	21,790	B4-U0-G2	178	20,322	B5-U0-G3	166	21,574	B3-U0-G3	176
		25,580	B5-U0-G3	172	25,818	B4-U0-G2	174	24,079	B5-U0-G4	162	25,563	B4-U0-G3	172
		28,358	B5-U0-G3	185	28,623	B5-U0-G3	186	26,695	B5-U0-G4	174	28,340	B4-U0-G4	184
		32,409	B5-U0-G3	182	32,711	B5-U0-G3	184	30,508	B5-U0-G4	172	32,388	B4-U0-G4	182
		36,145	B5-U0-G4	176	36,482	B5-U0-G3	177	34,024	B5-U0-G5	166	36,121	B4-U0-G4	176
		39,982	B5-U0-G4	174	40,355	B5-U0-G4	176	37,637	B5-U0-G5	164	39,956	B4-U0-G4	174
		45,735	B5-U0-G4	171	46,161	B5-U0-G4	173	43,052	B5-U0-G5	161	45,705	B4-U0-G4	171
		50,780	B5-U0-G4	167	51,254	B5-U0-G4	169	47,802	B5-U0-G5	157	50,747	B5-U0-G4	167
		56,058	B5-U0-G5	163	56,581	B5-U0-G4	165	52,770	B5-U0-G5	154	56,022	B5-U0-G4	163
		61,287	B5-U0-G5	160	61,858	B5-U0-G4	162	57,692	B5-U0-G5	151	61,247	B5-U0-G5	160
		BLC			LCL			LCR					
		Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
		8,448	B1-U0-G2	125	5,598	-	83	5,598	-	83			
		10,365	B1-U0-G2	121	6,868	-	80	6,868	-	80			
		12,476	B1-U0-G2	121	8,268	-	80	8,268	-	80			
		14,624	B1-U0-G3	119	9,690	-	79	9,690	-	79			
		17,327	B1-U0-G3	117	11,482	-	77	11,482	-	77			
		19,210	B1-U0-G3	125	12,729	-	83	12,729	-	83			
		21,953	B1-U0-G4	123	14,547	-	82	14,547	-	82			
		24,483	B1-U0-G4	119	16,224	-	79	16,224	-	79			
		27,083	B1-U0-G4	118	17,947	-	78	17,947	-	78			
		30,980	B2-U0-G4	116	20,529	-	77	20,529	-	77			
		34,398	B2-U0-G5	113	22,794	-	75	22,794	-	75			
		37,973	B2-U0-G5	111	25,163	-	73	25,163	-	73			
		41,515	B2-U0-G5	108	27,510	-	72	27,510	-	72			

Values from photometric tests performed in accordance with IESNA LM-79 and are representative of the configurations shown. Actual performance may vary due to installation and environmental variables, LED and driver tolerances, and field measurement considerations. It is highly recommended to confirm performance with a photometric layout.

NOTE: Some data may be scaled based on tests of similar (but not identical) luminaires. Contact factory for configurations not shown.



# P26 PureForm LED large

## Area light

### P26 lumen values

### LED Wattage and Lumen Values – 70CRI 4000K

Ordering Code	Average System Watts (W)	T2M			T3M			T4M			T4W		
		Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
P26-A01-740-x	68	12,141	B3-U0-G3	179	11,924	B2-U0-G3	176	11,814	B2-U0-G3	174	11,752	B2-U0-G3	173
P26-A02-740-x	85	14,896	B3-U0-G3	174	14,630	B3-U0-G3	171	14,495	B2-U0-G3	170	14,419	B2-U0-G3	169
P26-A03-740-x	103	17,931	B3-U0-G3	174	17,611	B3-U0-G3	171	17,449	B2-U0-G3	169	17,357	B3-U0-G3	168
P26-A04-740-x	123	21,016	B3-U0-G3	171	20,642	B3-U0-G4	168	20,451	B3-U0-G4	167	20,344	B3-U0-G3	166
P26-A05-740-x	149	24,902	B3-U0-G3	168	24,458	B3-U0-G4	165	24,232	B3-U0-G4	163	24,105	B3-U0-G4	162
P26-A06-740-x	154	27,607	B3-U0-G3	180	27,115	B3-U0-G4	176	26,865	B3-U0-G4	175	26,723	B3-U0-G4	174
P26-A07-740-x	178	31,550	B4-U0-G4	177	30,988	B3-U0-G4	174	30,702	B3-U0-G4	173	30,540	B3-U0-G4	172
P26-A08-740-x	206	35,187	B4-U0-G4	171	34,560	B3-U0-G5	168	34,241	B3-U0-G5	167	34,060	B3-U0-G5	166
P26-A09-740-x	230	38,923	B4-U0-G4	169	38,229	B4-U0-G5	166	37,876	B3-U0-G5	165	37,677	B4-U0-G5	164
P26-A10-740-x	267	44,523	B4-U0-G4	167	43,730	B4-U0-G5	164	43,326	B4-U0-G5	162	43,098	B4-U0-G5	161
P26-A11-740-x	304	49,434	B4-U0-G4	163	48,554	B4-U0-G5	160	48,105	B4-U0-G5	158	47,852	B4-U0-G5	158
P26-A12-740-x	344	54,573	B5-U0-G5	159	53,600	B4-U0-G5	156	53,106	B4-U0-G5	155	52,826	B4-U0-G5	154
P26-A13-740-x	383	59,662	B5-U0-G5	156	58,600	B4-U0-G5	153	58,059	B4-U0-G5	152	57,753	B4-U0-G5	151
		T5M			T5N			T5W			AFR		
		Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
		12,538	B4-U0-G2	185	12,655	B3-U0-G2	187	11,803	B4-U0-G3	174	12,530	B3-U0-G3	185
		15,384	B4-U0-G2	180	15,527	B4-U0-G2	182	14,481	B4-U0-G3	170	15,374	B3-U0-G3	180
		18,518	B4-U0-G2	179	18,691	B4-U0-G2	181	17,432	B4-U0-G3	169	18,506	B3-U0-G3	179
		21,705	B4-U0-G2	177	21,907	B4-U0-G2	179	20,432	B5-U0-G3	167	21,691	B3-U0-G3	177
		25,717	B5-U0-G3	173	25,957	B5-U0-G3	175	24,209	B5-U0-G4	163	25,701	B4-U0-G3	173
		28,511	B5-U0-G3	186	28,777	B5-U0-G3	187	26,839	B5-U0-G4	175	28,493	B4-U0-G4	185
		32,584	B5-U0-G3	183	32,887	B5-U0-G3	185	30,672	B5-U0-G4	172	32,562	B4-U0-G4	183
		36,339	B5-U0-G4	177	36,678	B5-U0-G3	178	34,208	B5-U0-G5	166	36,315	B4-U0-G4	177
		40,198	B5-U0-G4	175	40,572	B5-U0-G4	177	37,840	B5-U0-G5	165	40,171	B4-U0-G4	175
		45,981	B5-U0-G4	172	46,410	B5-U0-G4	174	43,284	B5-U0-G5	162	45,951	B4-U0-G4	172
		51,054	B5-U0-G4	168	51,530	B5-U0-G4	170	48,059	B5-U0-G5	158	51,020	B5-U0-G4	168
		56,360	B5-U0-G5	164	56,886	B5-U0-G4	166	53,054	B5-U0-G5	154	56,324	B5-U0-G4	164
		61,617	B5-U0-G5	161	62,191	B5-U0-G4	162	58,003	B5-U0-G5	152	61,577	B5-U0-G5	161
		BLC			LCL			LCR					
		Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
		8,930	B1-U0-G2	132	5,628	-	83	5,628	-	83			
		10,956	B1-U0-G2	128	6,905	-	81	6,905	-	81			
		13,189	B1-U0-G2	128	8,312	-	81	8,312	-	81			
		15,459	B1-U0-G3	126	9,743	-	79	9,743	-	79			
		18,316	B1-U0-G3	123	11,544	-	78	11,544	-	78			
		20,306	B1-U0-G4	132	12,798	-	83	12,798	-	83			
		23,206	B1-U0-G4	130	14,626	-	82	14,626	-	82			
		25,881	B1-U0-G4	126	16,312	-	79	16,312	-	79			
		28,629	B1-U0-G4	125	18,043	-	79	18,043	-	79			
		32,748	B2-U0-G5	123	20,639	-	77	20,639	-	77			
		36,361	B2-U0-G5	120	22,916	-	76	22,916	-	76			
		40,141	B2-U0-G5	117	25,298	-	74	25,298	-	74			
		43,885	B2-U0-G5	115	27,658	-	72	27,658	-	72			

Values from photometric tests performed in accordance with IESNA LM-79 and are representative of the configurations shown. Actual performance may vary due to installation and environmental variables, LED and driver tolerances, and field measurement considerations. It is highly recommended to confirm performance with a photometric layout.

NOTE: Some data may be scaled based on tests of similar (but not identical) luminaires. Contact factory for configurations not shown.



# P26 PureForm LED large

## Area light

### P26 lumen values

### LED Wattage and Lumen Values – 70CRI 5000K

Ordering Code	Average System Watts (W)	T2M			T3M			T4M			T4W		
		Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
P26-A01-750-x	68	12,141	B3-U0-G3	179	11,924	B2-U0-G3	176	11,814	B2-U0-G3	174	11,752	B2-U0-G3	173
P26-A02-750-x	85	14,896	B3-U0-G3	174	14,630	B3-U0-G3	171	14,495	B2-U0-G3	170	14,419	B2-U0-G3	169
P26-A03-750-x	103	17,931	B3-U0-G3	174	17,611	B3-U0-G3	171	17,449	B2-U0-G3	169	17,357	B3-U0-G3	168
P26-A04-750-x	123	21,016	B3-U0-G3	171	20,642	B3-U0-G4	168	20,451	B3-U0-G4	167	20,344	B3-U0-G3	166
P26-A05-750-x	149	24,902	B3-U0-G3	168	24,458	B3-U0-G4	165	24,232	B3-U0-G4	163	24,105	B3-U0-G4	162
P26-A06-750-x	154	27,607	B3-U0-G3	180	27,115	B3-U0-G4	176	26,865	B3-U0-G4	175	26,723	B3-U0-G4	174
P26-A07-750-x	178	31,550	B4-U0-G4	177	30,988	B3-U0-G4	174	30,702	B3-U0-G4	173	30,540	B3-U0-G4	172
P26-A08-750-x	206	35,187	B4-U0-G4	171	34,560	B3-U0-G5	168	34,241	B3-U0-G5	167	34,060	B3-U0-G5	166
P26-A09-750-x	230	38,923	B4-U0-G4	169	38,229	B4-U0-G5	166	37,876	B3-U0-G5	165	37,677	B4-U0-G5	164
P26-A10-750-x	267	44,523	B4-U0-G4	167	43,730	B4-U0-G5	164	43,326	B4-U0-G5	162	43,098	B4-U0-G5	161
P26-A11-750-x	304	49,434	B4-U0-G4	163	48,554	B4-U0-G5	160	48,105	B4-U0-G5	158	47,852	B4-U0-G5	158
P26-A12-750-x	344	54,573	B5-U0-G5	159	53,600	B4-U0-G5	156	53,106	B4-U0-G5	155	52,826	B4-U0-G5	154
P26-A13-750-x	383	59,662	B5-U0-G5	156	58,600	B4-U0-G5	153	58,059	B4-U0-G5	152	57,753	B4-U0-G5	151
		T5M			T5N			T5W			AFR		
		Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
		12,538	B4-U0-G2	185	12,655	B3-U0-G2	187	11,803	B4-U0-G3	174	12,530	B3-U0-G3	185
		15,384	B4-U0-G2	180	15,527	B4-U0-G2	182	14,481	B4-U0-G3	170	15,374	B3-U0-G3	180
		18,518	B4-U0-G2	179	18,691	B4-U0-G2	181	17,432	B4-U0-G3	169	18,506	B3-U0-G3	179
		21,705	B4-U0-G2	177	21,907	B4-U0-G2	179	20,432	B5-U0-G3	167	21,691	B3-U0-G3	177
		25,717	B5-U0-G3	173	25,957	B5-U0-G3	175	24,209	B5-U0-G4	163	25,701	B4-U0-G3	173
		28,511	B5-U0-G3	186	28,777	B5-U0-G3	187	26,839	B5-U0-G4	175	28,493	B4-U0-G4	185
		32,584	B5-U0-G3	183	32,887	B5-U0-G3	185	30,672	B5-U0-G4	172	32,562	B4-U0-G4	183
		36,339	B5-U0-G4	177	36,678	B5-U0-G3	178	34,208	B5-U0-G5	166	36,315	B4-U0-G4	177
		40,198	B5-U0-G4	175	40,572	B5-U0-G4	177	37,840	B5-U0-G5	165	40,171	B4-U0-G4	175
		45,981	B5-U0-G4	172	46,410	B5-U0-G4	174	43,284	B5-U0-G5	162	45,951	B4-U0-G4	172
		51,054	B5-U0-G4	168	51,530	B5-U0-G4	170	48,059	B5-U0-G5	158	51,020	B5-U0-G4	168
		56,360	B5-U0-G5	164	56,886	B5-U0-G4	166	53,054	B5-U0-G5	154	56,324	B5-U0-G4	164
		61,617	B5-U0-G5	161	62,191	B5-U0-G4	162	58,003	B5-U0-G5	152	61,577	B5-U0-G5	161
		BLC			LCL			LCR					
		Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
		8,930	B1-U0-G2	132	5,628	-	83	5,628	-	83			
		10,956	B1-U0-G2	128	6,905	-	81	6,905	-	81			
		13,189	B1-U0-G2	128	8,312	-	81	8,312	-	81			
		15,459	B1-U0-G3	126	9,743	-	79	9,743	-	79			
		18,316	B1-U0-G3	123	11,544	-	78	11,544	-	78			
		20,306	B1-U0-G4	132	12,798	-	83	12,798	-	83			
		23,206	B1-U0-G4	130	14,626	-	82	14,626	-	82			
		25,881	B1-U0-G4	126	16,312	-	79	16,312	-	79			
		28,629	B1-U0-G4	125	18,043	-	79	18,043	-	79			
		32,748	B2-U0-G5	123	20,639	-	77	20,639	-	77			
		36,361	B2-U0-G5	120	22,916	-	76	22,916	-	76			
		40,141	B2-U0-G5	117	25,298	-	74	25,298	-	74			
		43,885	B2-U0-G5	115	27,658	-	72	27,658	-	72			

Values from photometric tests performed in accordance with IESNA LM-79 and are representative of the configurations shown. Actual performance may vary due to installation and environmental variables, LED and driver tolerances, and field measurement considerations. It is highly recommended to confirm performance with a photometric layout.

NOTE: Some data may be scaled based on tests of similar (but not identical) luminaires. Contact factory for configurations not shown.



# P26 PureForm LED large

## Area light

### P26 lumen values

### LED Wattage and Lumen Values –80CRI 3000K

Ordering Code	Average System Watts (W)	T2M			T3M			T4M			T4W		
		Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
P26-A01-830-x	68	10,840	B2-U0-G2	160	10,647	B2-U0-G2	157	10,549	B2-U0-G2	156	10,493	B2-U0-G3	155
P26-A02-830-x	85	13,300	B3-U0-G3	156	13,063	B2-U0-G3	153	12,942	B2-U0-G3	152	12,874	B2-U0-G3	151
P26-A03-830-x	103	16,009	B3-U0-G3	155	15,724	B3-U0-G3	152	15,579	B2-U0-G3	151	15,497	B3-U0-G3	150
P26-A04-830-x	123	18,765	B3-U0-G3	153	18,430	B3-U0-G3	150	18,260	B2-U0-G3	149	18,164	B3-U0-G3	148
P26-A05-830-x	149	22,234	B3-U0-G3	150	21,838	B3-U0-G4	147	21,636	B3-U0-G4	146	21,522	B3-U0-G4	145
P26-A06-830-x	154	24,649	B3-U0-G3	160	24,210	B3-U0-G4	158	23,986	B3-U0-G4	156	23,860	B3-U0-G4	155
P26-A07-830-x	178	28,170	B3-U0-G3	158	27,668	B3-U0-G4	156	27,412	B3-U0-G4	154	27,268	B3-U0-G4	153
P26-A08-830-x	206	31,417	B4-U0-G4	153	30,857	B3-U0-G4	150	30,572	B3-U0-G4	149	30,411	B3-U0-G4	148
P26-A09-830-x	230	34,752	B4-U0-G4	151	34,133	B3-U0-G5	149	33,818	B3-U0-G5	147	33,640	B3-U0-G5	146
P26-A10-830-x	267	39,752	B4-U0-G4	149	39,044	B4-U0-G5	146	38,684	B3-U0-G5	145	38,480	B4-U0-G5	144
P26-A11-830-x	304	44,138	B4-U0-G4	145	43,351	B4-U0-G5	143	42,951	B4-U0-G5	141	42,725	B4-U0-G5	141
P26-A12-830-x	344	48,726	B4-U0-G4	142	47,858	B4-U0-G5	139	47,416	B4-U0-G5	138	47,166	B4-U0-G5	137
P26-A13-830-x	383	53,270	B5-U0-G5	139	52,321	B4-U0-G5	137	51,838	B4-U0-G5	135	51,565	B4-U0-G5	135
		T5M			T5N			T5W			AFR		
		Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
		11,195	B4-U0-G2	165	11,299	B3-U0-G2	167	10,538	B4-U0-G3	155	11,188	B3-U0-G2	165
		13,735	B4-U0-G2	161	13,863	B4-U0-G2	162	12,930	B4-U0-G3	151	13,726	B3-U0-G3	161
		16,534	B4-U0-G2	160	16,688	B4-U0-G2	162	15,564	B4-U0-G3	151	16,523	B3-U0-G3	160
		19,379	B4-U0-G2	158	19,560	B4-U0-G2	159	18,243	B5-U0-G3	149	19,367	B3-U0-G3	158
		22,962	B5-U0-G3	155	23,176	B4-U0-G2	156	21,615	B5-U0-G4	146	22,947	B3-U0-G3	155
		25,456	B5-U0-G3	166	25,694	B4-U0-G2	167	23,963	B5-U0-G4	156	25,440	B4-U0-G3	166
		29,092	B5-U0-G3	164	29,364	B5-U0-G3	165	27,386	B5-U0-G4	154	29,073	B4-U0-G4	163
		32,446	B5-U0-G3	158	32,748	B5-U0-G3	159	30,543	B5-U0-G4	149	32,424	B4-U0-G4	158
		35,891	B5-U0-G4	156	36,225	B5-U0-G3	158	33,786	B5-U0-G5	147	35,867	B4-U0-G4	156
		41,055	B5-U0-G4	154	41,437	B5-U0-G4	155	38,646	B5-U0-G5	145	41,028	B4-U0-G4	153
		45,584	B5-U0-G4	150	46,009	B5-U0-G4	152	42,910	B5-U0-G5	141	45,554	B4-U0-G4	150
		50,322	B5-U0-G4	146	50,791	B5-U0-G4	148	47,370	B5-U0-G5	138	50,289	B4-U0-G4	146
		55,015	B5-U0-G5	144	55,528	B5-U0-G4	145	51,788	B5-U0-G5	135	54,979	B5-U0-G4	144
		BLC			LCL			LCR					
		Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
		7,483	B1-U0-G2	110	5,025	-	74	5,025	-	74			
		9,181	B1-U0-G2	108	6,165	-	72	6,165	-	72			
		11,052	B1-U0-G2	107	7,422	-	72	7,422	-	72			
		12,954	B1-U0-G2	106	8,699	-	71	8,699	-	71			
		15,349	B1-U0-G3	103	10,307	-	69	10,307	-	69			
		17,017	B1-U0-G3	111	11,427	-	74	11,427	-	74			
		19,447	B1-U0-G3	109	13,059	-	73	13,059	-	73			
		21,688	B1-U0-G4	106	14,564	-	71	14,564	-	71			
		23,991	B1-U0-G4	104	16,110	-	70	16,110	-	70			
		27,443	B1-U0-G4	103	18,428	-	69	18,428	-	69			
		30,471	B2-U0-G4	100	20,461	-	67	20,461	-	67			
		33,638	B2-U0-G5	98	22,588	-	66	22,588	-	66			
		36,775	B2-U0-G5	96	24,695	-	65	24,695	-	65			

Values from photometric tests performed in accordance with IESNA LM-79 and are representative of the configurations shown. Actual performance may vary due to installation and environmental variables, LED and driver tolerances, and field measurement considerations. It is highly recommended to confirm performance with a photometric layout.

NOTE: Some data may be scaled based on tests of similar (but not identical) luminaires. Contact factory for configurations not shown.



# P26 PureForm LED large

## Area light

### P26 lumen values

### LED Wattage and Lumen Values –80CRI 4000K

Ordering Code	Average System Watts (W)	T2M			T3M			T4M			T4W		
		Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
P26-A01-840-x	68	11,381	B2-U0-G2	168	11,178	B2-U0-G2	165	11,075	B2-U0-G2	163	11,017	B2-U0-G3	163
P26-A02-840-x	85	13,963	B3-U0-G3	164	13,715	B2-U0-G3	161	13,588	B2-U0-G3	159	13,516	B2-U0-G3	158
P26-A03-840-x	103	16,808	B3-U0-G3	163	16,509	B3-U0-G3	160	16,356	B2-U0-G3	158	16,270	B3-U0-G3	158
P26-A04-840-x	123	19,701	B3-U0-G3	161	19,350	B3-U0-G3	158	19,171	B3-U0-G3	156	19,070	B3-U0-G3	155
P26-A05-840-x	149	23,343	B3-U0-G3	157	22,927	B3-U0-G4	154	22,716	B3-U0-G4	153	22,596	B3-U0-G4	152
P26-A06-840-x	154	25,879	B3-U0-G3	168	25,418	B3-U0-G4	165	25,183	B3-U0-G4	164	25,051	B3-U0-G4	163
P26-A07-840-x	178	29,575	B4-U0-G4	166	29,048	B3-U0-G4	163	28,780	B3-U0-G4	162	28,629	B3-U0-G4	161
P26-A08-840-x	206	32,984	B4-U0-G4	160	32,397	B3-U0-G5	158	32,098	B3-U0-G5	156	31,929	B3-U0-G5	155
P26-A09-840-x	230	36,486	B4-U0-G4	159	35,836	B4-U0-G5	156	35,506	B3-U0-G5	155	35,319	B3-U0-G5	154
P26-A10-840-x	267	41,736	B4-U0-G4	156	40,993	B4-U0-G5	153	40,614	B3-U0-G5	152	40,400	B4-U0-G5	151
P26-A11-840-x	304	46,340	B4-U0-G4	153	45,515	B4-U0-G5	150	45,095	B4-U0-G5	149	44,857	B4-U0-G5	148
P26-A12-840-x	344	51,157	B4-U0-G5	149	50,246	B4-U0-G5	146	49,782	B4-U0-G5	145	49,520	B4-U0-G5	144
P26-A13-840-x	383	55,928	B5-U0-G5	146	54,932	B4-U0-G5	144	54,425	B4-U0-G5	142	54,138	B4-U0-G5	141
		T5M			T5N			T5W			AFR		
		Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
		11,754	B4-U0-G2	173	11,863	B3-U0-G2	175	11,064	B4-U0-G3	163	11,746	B3-U0-G3	173
		14,421	B4-U0-G2	169	14,555	B4-U0-G2	170	13,575	B4-U0-G3	159	14,411	B3-U0-G3	169
		17,359	B4-U0-G2	168	17,521	B4-U0-G2	170	16,341	B4-U0-G3	158	17,348	B3-U0-G3	168
		20,346	B4-U0-G2	166	20,536	B4-U0-G2	167	19,153	B5-U0-G3	156	20,333	B3-U0-G3	166
		24,108	B5-U0-G3	162	24,333	B4-U0-G2	164	22,694	B5-U0-G4	153	24,092	B3-U0-G3	162
		26,727	B5-U0-G3	174	26,976	B5-U0-G3	176	25,159	B5-U0-G4	164	26,709	B4-U0-G3	174
		30,544	B5-U0-G3	172	30,829	B5-U0-G3	173	28,753	B5-U0-G4	162	30,524	B4-U0-G4	172
		34,065	B5-U0-G4	166	34,382	B5-U0-G3	167	32,067	B5-U0-G5	156	34,042	B4-U0-G4	166
		37,682	B5-U0-G4	164	38,033	B5-U0-G3	166	35,471	B5-U0-G5	154	37,657	B4-U0-G4	164
		43,103	B5-U0-G4	161	43,505	B5-U0-G4	163	40,575	B5-U0-G5	152	43,075	B4-U0-G4	161
		47,858	B5-U0-G4	158	48,304	B5-U0-G4	159	45,051	B5-U0-G5	148	47,827	B4-U0-G4	158
		52,833	B5-U0-G4	154	53,325	B5-U0-G4	155	49,734	B5-U0-G5	145	52,798	B5-U0-G4	154
		57,760	B5-U0-G5	151	58,299	B5-U0-G4	152	54,372	B5-U0-G5	142	57,723	B5-U0-G5	151
		BLC			LCL			LCR					
		Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
		7,957	B1-U0-G2	117	5,276	-	78	5,276	-	78			
		9,762	B1-U0-G2	114	6,473	-	76	6,473	-	76			
		11,751	B1-U0-G2	114	7,792	-	75	7,792	-	75			
		13,774	B1-U0-G3	112	9,133	-	74	9,133	-	74			
		16,320	B1-U0-G3	110	10,821	-	73	10,821	-	73			
		18,093	B1-U0-G3	118	11,997	-	78	11,997	-	78			
		20,677	B1-U0-G4	116	13,710	-	77	13,710	-	77			
		23,060	B1-U0-G4	112	15,291	-	74	15,291	-	74			
		25,509	B1-U0-G4	111	16,914	-	74	16,914	-	74			
		29,179	B2-U0-G4	109	19,348	-	72	19,348	-	72			
		32,398	B2-U0-G5	107	21,482	-	71	21,482	-	71			
		35,765	B2-U0-G5	104	23,715	-	69	23,715	-	69			
		39,101	B2-U0-G5	102	25,927	-	68	25,927	-	68			

Values from photometric tests performed in accordance with IESNA LM-79 and are representative of the configurations shown. Actual performance may vary due to installation and environmental variables, LED and driver tolerances, and field measurement considerations. It is highly recommended to confirm performance with a photometric layout.

NOTE: Some data may be scaled based on tests of similar (but not identical) luminaires. Contact factory for configurations not shown.



# P26 PureForm LED large

## Area light

### Specifications

#### Housing

Two-piece sealed enclosure with main part of the housing designed as the structural and heat sink frame enclosed by cover to give its unique form. It also includes integral arm and separate, self-retained hinged, one-piece die cast door. All die-cast parts made of low copper die cast aluminum alloy for a high resistance to corrosion. The sleek profile with optimized surface area allows housing to provide excellent heat transfer with minimum use of heat fins, giving the freedom to have a clean minimalist aesthetic design. Luminaire housing rated to IP66, tested in accordance to Section 9 of IEC 60598-1.

#### Vibration resistance

Luminaire is tested and rated Level 2 for Bridge and Overpass application (formerly 3G) cycles conforming to standards set forth by ANSI C136.31-2023. Testing includes vibration to 3G acceleration in three axes, all performed on the same luminaire.

#### Light engine

Light engine comprises of a module of 40-LED aluminum metal clad board fully sealed with optics offered in multiples of 2 or 4 modules depending on lumen package selection. A01-A05 use 2 LED modules, A06-A13 come with 4 LED modules. Module is RoHS compliant. Color temperature as per ANSI/NEMA bin 2700 Kelvin nominal (2725 ±145K), 3000 Kelvin nominal (3045K +/- 175K) or 4000 Kelvin nominal (3985K +/- 275K), CRI 70 Min. 75 Typical. Other CCT/CRI also available, consult factory. LED light engine is rated IP66 in accordance to Section 9 of IEC 60598-1. Contact factory for details. LED light engine is rated IP66 in accordance to Section 9 of IEC 60598-1.

#### Energy saving benefits

System efficacy up to 185 lms/W with significant energy savings over legacy technology luminaires. Optional control options provide added energy savings during unoccupied periods.

#### Optical systems

Types 2M, 3M, 4M, 4W, 5N, 5M, 5W, and Auto Front Row distributions available. Back light control (BLC) and Corner optics (LCL,RCL) optics are offered to meet LEED Standards and to provide the best lighting control possible for stringent requirements around property lines. All optics when specified and used as rotated, are factory set only. Performance tested per LM-79 and TM-15 (IESNA) certifying its photometric performance. Luminaire designed with 0% uplight (U0 per IESNA TM-15).

#### Mounting

Standard luminaire arm mounts to 4" O.D. round poles. Can also be used with 5" O.D. poles. Square pole adapter included with every luminaire. Round Pole Adapter (RPA) required for 3-3.9" poles. PureForm features a retrofit arm kit. When specified with the retrofit arm (RAM) option, PureForm seamlessly simplifies site conversions to LED by eliminating the need for additional pole drilling on most existing poles. RAM will be boxed separately. Also optional are slipfitter and wall mounting accessories. Note that only fixed mounts (AR, RAM, WS) are required to meet IDA Dark Sky compliance. SF mounting will not meet IDA.

#### Control options

**DLEA:** Access to 0-10V dimming leads supplied through the yoke of the luminaire (for secondary dimming controls by others). Cannot be used with other control options.

**Sensor Ready Zhaga Socket Connector (SRDR):** Product is D4i Certified and equipped with Sensor Ready drivers connected to 4-pin Zhaga Book 18 compliant receptacle designed for sensor and other control system applications. Receptacle is rated IP66 assembly in a compact design that provides a sealed electrical interface and rated UV resistance, mounted on underside of the luminaire, protective dust cap included. When a controller not provided by Signify is used with Sensor Ready Zhaga socket connector, the controller must be certified to work with the Xitanium SR LED drivers as part of the SR certified program. SRDR can be used with NEMA 7-pin twist lock receptacle, which is mounted on top of the luminaire. D4i certification validates compliance with specifications for data exchange in connected lighting systems, ensuring interoperability, compatibility, and efficient operation. It also assures customers that the device meets industry standards.

**Dual Circuit Control (DCC):** Luminaire equipped with the ability to have two separate circuits controlling drivers and light engines independently. Permits separate switching of separate modules controlled by use of two sets of leads, one for each circuit. Not recommended to be used with other control options, motion response, or photocells.

**Automatic Profile Dimming (CM/CA):** Standard dimming profiles provide flexibility towards energy savings goals while optimizing light levels during specific dark hours. Dimming profiles include two dimming settings including dim to 30% or 50% of the total lumen output. Automatic dimming profile scheduled with the following settings:

- **CS50/CS30:** Security for 7 hours night duration (Ex., 11 PM – 6 AM)
- **CM50/CM30:** Median for 8 hours night duration (Ex., 10 PM – 6 AM)

All above profiles are calculated from mid point of the night. Dimming is set for 6 hours after the mid point and 1 or 2 hours before depending of the duration of dimming. Time clock or photocell is required for on/off functionality to allow for midpoint calculation. Cannot be used with other dimming control options.

**Field Adjustable Wattage Selector (FAWS):** Luminaire equipped with the ability to manually adjust the wattage in the field to reduce total luminaire lumen output and light levels. Comes pre-set to the highest of 10 output positions. Consult factory for specific dimming settings for each position.

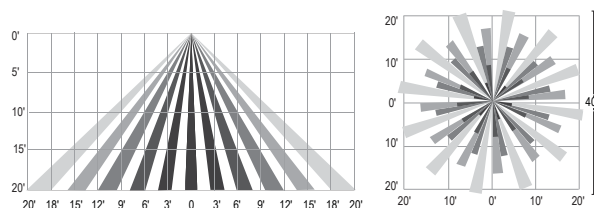
P26 A05-A07			P26 A08-A13		
FAWS Position	Typical Delivered Lumens Multiplier	Typical System Wattage	FAWS Position	Typical Delivered Lumens Multiplier	Typical System Wattage
1	0.27	0.29	1	0.12	0.12
2	0.49	0.52	2	0.23	0.24
3	0.57	0.61	3	0.30	0.32
4	0.70	0.72	4	0.41	0.44
5	0.74	0.77	5	0.48	0.51
6	0.81	0.80	6	0.56	0.59
7	0.88	0.83	7	0.65	0.68
8	0.92	0.93	8	0.74	0.76
9	0.98	0.98	9	0.81	0.83
10	1.00	1.00	10	1.00	1.00

#### Motion response options

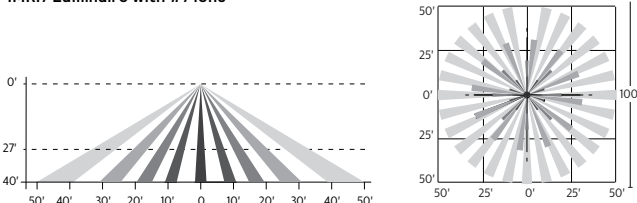
**BL50L2/BL50L3:** Motion Response module is mounted integral to luminaire factory pre-programmed to 50% dimming. BL50Lx options are set/operate in the following fashion: The motion sensor is set to a constant 50% dim. When motion is detected by the PIR sensor, the luminaire returns to full power/ light output. Low dimming is factory set to 50% with 5 minutes default in "full power" prior to dimming back to low. When no motion is detected for 5 minutes, the motion response system reduces the wattage by 50%, to 50% of the normal constant wattage reducing the light level. Other dimming settings can be provided if different dimming levels are required through use of option FSIR 100 programming remote or if alternate programming is required from the factory consult technical support.

**Infrared Motion Response Lenses (BL50L3/BL50L7):** Lens #3 (L3) is designed for higher mounting heights up to 20' with a 40' diameter coverage area. Lens #7 (L7) is designed for higher mounting heights up to 40' with larger coverage areas up to 100' diameter coverage area. See charts for approximate detection patterns.

IMR13 Luminaire with #3 lens



IMR17 Luminaire with #7 lens





# P26 PureForm LED large

## Area light

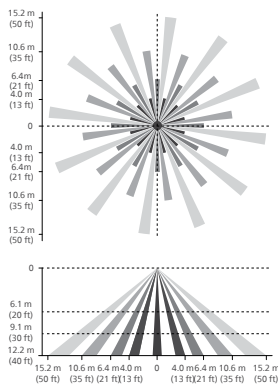
### Specifications (continued)

**Outdoor Interact:** Scalable connected sensor with integral occupancy and daylight sensing, supports wireless mesh connectivity. Sensor works in the Foundation mode when configured without a gateway or in an Interact Advanced mode if a compatible gateway (can be added later) is used. Interact offers an app, a portal and a broad portfolio of Interact ready Indoor and Outdoor luminaires, lamps and retrofit kits all working on the same system. Startup is implemented via Interact Pro App (available in iOS® or Android®) and Bluetooth® connectivity. The app provides flexibility to choose between a gateway or non gateway mode for setup. Setup with the gateway requires wired Internet access to the gateway. Prepare project configuration steps remotely and use IRT9015 remote accessory (ordered separately) or the App on-site to identify and group devices together. WIAP includes SR driver and SR receptacle. Daylight harvesting supported through dimming – activated via the Interact app. Sensors are available in black or white finish. IP66 rated.

For more information on Interact visit:

<https://www.interact-lighting.com/en-us/interact-offering>

HB or HW high sensor



**Note:** The beam patterns shown are intended solely as a general guide and are not to scale. Sensing capabilities and coverage area depend on many factors including the size, speed and direction of travel of persons and vehicles; sensor mounting height; environmental and site conditions; etc.

### Electrical

**Driver:** Driver efficiency (>90% standard). 120–480V available (restrictions apply). Open/short circuit protection. RoHS compliant.

**Surge protection (SP1/SP2):** Surge protection device tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10kV/10kA waveforms for Line–Ground, Line–Neutral and Neutral–Ground, and in accordance with DOE MSSLC Model Specification for LED Roadway Luminaires Appendix D Electrical Immunity High test level 10kV/10kA. 20kV / 10kA surge protection device that provides extra protection beyond the SP1 10kV/10kA level.

**Button Photocontrol (PCB):** Button style design for internal luminaires mounting applications. The photocontrol is constructed of a high impact UV stabilized polycarbonate housing. Rated input voltage must be specified 120V, 208–277V, 347V, or 480V with a load rating of 1000 VA. The photocell will turn on with 1–4Fc of ambient light.

**Twist-Lock Receptacle (TLR7/TLRPC):** TLR options come with 7 pins connected to 0–10V driver. Not all pins will be connected. Dimming Receptacle Type D–24 (7-pin) in accordance to ANSI C136.41. can be used with third-party control system. Receptacle located on top of luminaire housing. When specified with receptacle and photoelectric cell (TLRPC), 7-pin receptacle is supplied and voltage must be specified. When ordering Twist-lock receptacle (TLR7), photocell or shorting cap is not included. If Twistlock receptacle option is ordered with Dimming Control option, then dimming leads from driver will not be connected to TLR but consumed by selected device. Devices installed to NEMA twist-lock Receptacle must be IPX6 rated.

**Twist-Lock Receptacle (TR7/TLP):** TR7 includes (Type D–24) connected to SR/DALI driver with all leads connected for use of 3rd party control systems. Receptacles are in accordance to ANSI C136.41. Receptacle located on top of luminaire housing. When specified with receptacle and photoelectric cell (TRPC), 7-pin receptacle is supplied and voltage must be specified. When ordering Twist-lock receptacle (TR7), photocell or shorting cap is not included.

### Listings

UL/cUL wet location listed to the UL 1598 standard. All configurations suitable for use in ambient temperatures from –40° to 40°C (–40° to 104°F) without shielding. A01–A12 UL rated up +50°C without shielding. With Shielding A01–A11 up to 50°C, A12–A13 rated to 25°C. Most PureForm P26 configurations are qualified under Premium DesignLights Consortium® category. Consult DLC Qualified Products list to confirm your specific luminaire selection is approved. CCTs 3000K and warmer are IDA Dark Sky Listed. Luminaire selection is approved. CCTs 3000K and warmer are IDA Dark Sky Listed.

• Declare label certified, ID SGY-0011 ([View full Declare label](#))

### Finish

Each standard color luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidic isocyanurate (TGIC) textured polyester powdercoat finish. The surface treatment achieves a minimum of 1000 hours for salt spray resistant finish in accordance with testing performed and per ASTM B117 standard. Standard colors include bronze (BZ), black (BK), white (WH), dark gray (DGY), and medium gray (MGY). Consult factory for specs on optional or custom colors.

### Service Tag

Each individual luminaire is uniquely identifiable, thanks to the Service tag application. With a simple scan of a QR code, placed on the inside of the mast door, you gain instant access to the luminaire configuration, making installation and maintenance operations faster and easier, no matter what stage of the luminaire's lifetime. Just download the app and register your product. For more details visit: [signify.com/service-tag](https://signify.com/service-tag)

### Warranty

PureForm luminaires feature a 5-year limited warranty.

See [signify.com/warranties](https://signify.com/warranties) for complete details and exclusions.



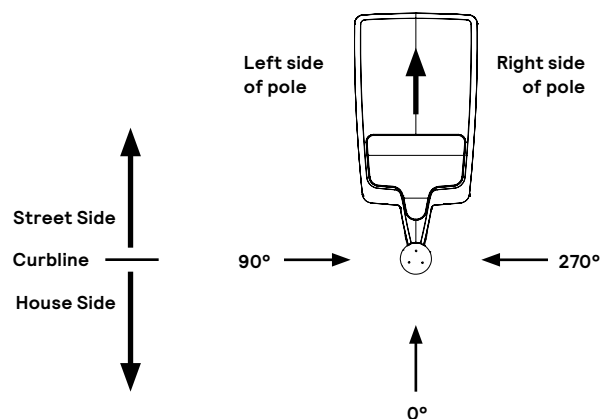
# P26 PureForm LED large

## Area light

### Optical Orientation Information

#### Standard Optic Position

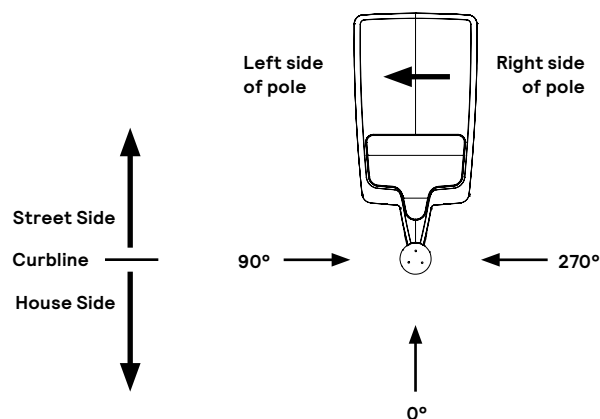
Luminaires ordered with asymmetric optical systems in the standard optic position will have the optical system oriented as shown below:



Note: The hand hole will normally be located on the pole at the 0° point.

#### Optic Rotated Left (90°) Optic Position

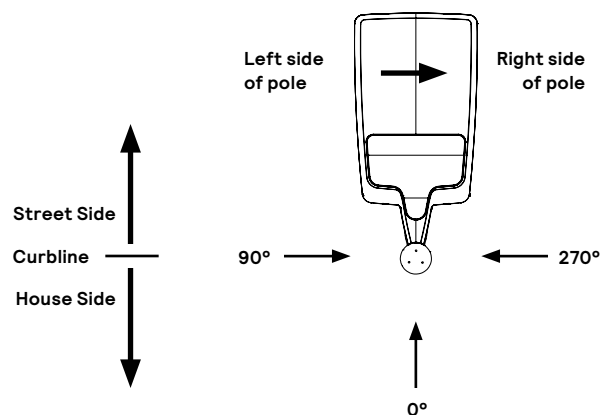
Luminaires ordered with optical systems in the Optic Rotated Left (90°) optic position will have the optical system oriented as shown below (Type 5 and 5W optics are not available with factory set rotatable optics):



Note: The hand hole will normally be located on the pole at the 0° point.

#### Optic Rotated Right (270°) Optic Position

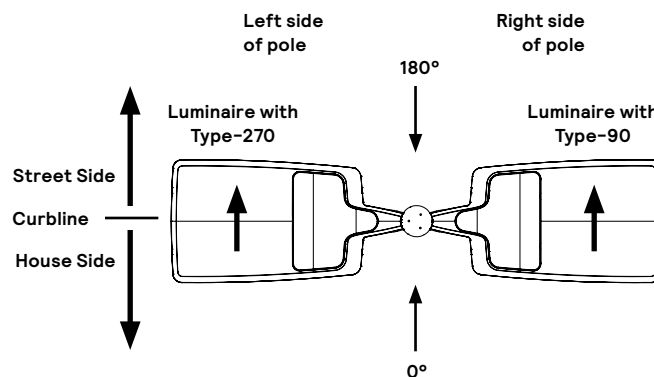
Luminaires ordered with optical systems in the Optic Rotated Right (270°) optic position will have the optical system oriented as shown below (Type 5 and 5W optics are not available with factory set rotatable optics):



Note: The hand hole will normally be located on the pole at the 0° point.

#### Twin Luminaire Assemblies with Type-90/Type-270 Rotated Optical Systems

Twin luminaire assemblies installed with rotated optical systems are an excellent way to direct light toward the interior of the site (Street Side) without additional equipment. It is important, however, that care be exercised to insure that luminaires are installed in the proper location.

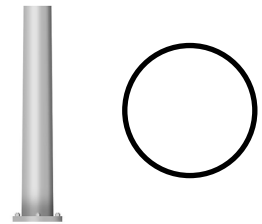


Luminaires with Optic Rotated Right (270°) are installed on the LEFT side of pole

Luminaires with Optic Rotated Left (90°) are installed on the RIGHT side of pole

Note: The hand hole location will depend on the drilling configuration ordered for the pole.





The **Gardco SRS Straight Round Steel** pole consists of a one-piece high tensile carbon steel tube welded and secured to the carbon steel base plate providing excellent strength and integrity. The poles are finished with an electrostatically applied, thermally cured polyester powdercoat. All poles include base cover, hand hole, ground lug and top cap. Anchor bolts and templates are ordered as a separate accessory.

Project: \_\_\_\_\_

Location: \_\_\_\_\_

Cat.No: \_\_\_\_\_

Type: \_\_\_\_\_

Lamps: \_\_\_\_\_ Qty: \_\_\_\_\_

Notes: \_\_\_\_\_

### Ordering guide

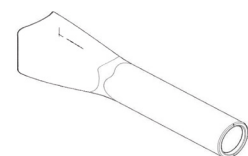
example: SRS-CB-5-7-25-T2D4L-N-BZ

Family	Base	Pole Shaft Size (in.)	Pole Gauge/Wall Thickness	Height (ft) <sup>5</sup>	Drilling/Tenon Configurations <sup>1</sup>	Drilling Template <sup>2</sup>	Finish	Options <sup>3</sup>
	<b>CB</b>							
SRS	CB Carbon Steel Base w/ Base Cover	3	11 11 ga. / 0.120"	10	<b>Drilling</b> D1 1 Way D1@180 1 Way @ 180 D2 2 Way @ 180 D2@90 2 Way @ 90 D3 3 Way @ 90 D3@120 3 Way @ 120 D4 4 Way @ 90	<b>DT1</b> Drill Template 1 <b>DT2</b> Drill Template 2 <b>DT3</b> Drill Template 3 <b>DT4</b> Drill Template 4 <b>DT5</b> Drill Template 5 <b>DT6</b> Drill Template 6 <small>See drill template chart for details. [DTX-xxx]<sup>6,7</sup> Custom Template</small>	<b>BK</b> Black <b>BZ</b> Bronze <b>WH</b> White <b>DG</b> Dark Grey <b>MG</b> Medium Grey <b>GY3</b> <sup>8</sup> Light Grey, Smooth <b>SSDGY</b> <sup>8</sup> SolarForm Dark Grey (RAL7011) <b>GV</b> Galvanized (No Paint) <b>FP/GV</b> Finished Textured Paint over Galvanized (Specify, ex: MG/GV) <b>OC</b> Optional Color Paint (ex: RAL7024) <b>SC</b> <sup>6</sup> Special/Custom Color (Specify, must supply color chip)	<b>FES</b> <sup>6</sup> Festoon Outlet <b>VDA</b> <sup>11</sup> Vibration Dampener <b>AHH</b> <sup>6</sup> Additional Hand Hole <b>DR</b> <sup>6,8</sup> Duplex Receptacle <b>VPA</b> Vandalproof Screws <b>GFI</b> <sup>6</sup> DR with GFI (120V only) <b>BAC</b> <sup>9</sup> Buy American Compliant <b>CL1/2</b> <sup>6</sup> Coupling 1/2" <b>CL3/4</b> <sup>6</sup> Coupling 3/4" <b>CL1</b> <sup>6</sup> Coupling 1" <b>CL1-1/4</b> <sup>6</sup> Coupling 1-1/4" <b>CL1-1/2</b> <sup>6</sup> Coupling 1-1/2" <b>NL1/2</b> <sup>6</sup> Nipple 1/2" <b>NL3/4</b> <sup>6</sup> Nipple 3/4" <b>NL1</b> <sup>6</sup> Nipple 1" <b>NL1-1/4</b> <sup>6</sup> Nipple 1-1/4" <b>NL1-1/2</b> <sup>6</sup> Nipple 1-1/2"
				12				
				14				
				16				
				18				
				20				
				22				
				24				
				26				
				28				
L/SRS		4	11 11 ga. / 0.120"	10	<b>Tenons</b> T2D4L 2-3/8" OD x 4" length T2D6L <sup>8</sup> 2-3/8" OD x 6" length T3D4L 3" OD x 4" length T4D6L 4" OD x 6" length	<b>N</b> No Drilling Template (for Tenon and Plain Top Options)		
				12				
				14				
				16				
		5	11 11 ga. / 0.120"	20	<b>No Drilling/No Tenon</b> <b>P</b> Plain Top			
				25				
				30				
				35				
		7	7 ga. / 0.180"	25				
				30				

- See Drilling Configurations on Page 3.
- See Luminaire Drilling Templates on Page 3
- Not all options available with all configurations. Consult factory for more details
- Options listed with gray text will be shipped with the Legacy SRS design. Use the L/SRS family code whenever these options are specified.
- Pole heights can be cut to length. Specify as a whole number in ft. (ex. 11, 13) or to the inch as a decimal (ex. 15.33 = 15' 4") or as "15FT 4IN" for Legacy designs.
- Option must be specified, including install location, by the customer before order release. FES, DR, GFI, AHH options typically must be placed 12-18" away from standard hand hole (20" or 12" above base).
- Custom drill templates (DTX) require factory quote.
- Option not available with Legacy SRS designs.
- Failure to properly select the "BAC" suffix could result in you receiving product that is not BAA compliant product with no recourse for an RMA or refund. This BAC designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies.
- Consult Signify to confirm whether specific accessories are BAA-compliant.
- Not available with 3" shaft size.

### Accessories <sup>10</sup>

Service	Pole Size	12NC	Description (Diameter x Length x Hook)
<b>Anchor Bolts + Templates</b>			
For shipment with the pole (order 1 per pole)	3" Poles	912401597399	AB 3/4x17x3-G DEC w/ 8.5 BC ABT
	4" & 5" Poles	912401597397	AB 3/4x24x3-G DEC w/ 8.5 BC ABT
For Pre-Ship service (order 1 per pole)	3" Poles	912401597407	AB 3/4x17x3-G DEC w/ 8.5 BC ABT-RS
	4" & 5" Poles	912401597405	AB 3/4x24x3-G DEC w/ 8.5 BC ABT-RS
Part No.	Pole Size	Description	
<b>RLAR-1A-R4@4.9-(finish)</b>	4" Poles	Cast Aluminum mounting arm, 15" long with DT6 drill pattern (order 1 per luminaire).	
<b>RLAR-1A-R5@6-(finish)</b>	5" Poles	For use with Lumec Roadway and Gardco SolarForm luminaires. (For SolarForm: use RLAR bracket to mount horizontally, use T2D6L tenon to mount vertically). Specify finish to match pole.	



RLAR



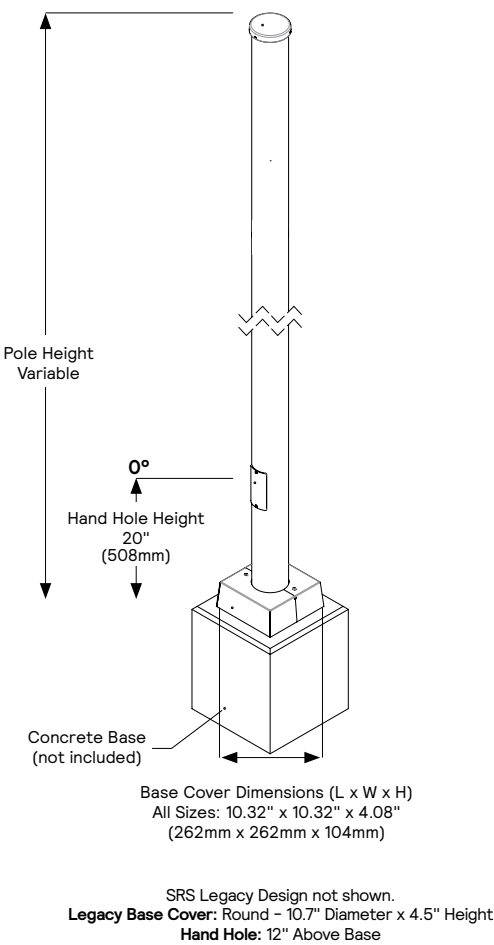
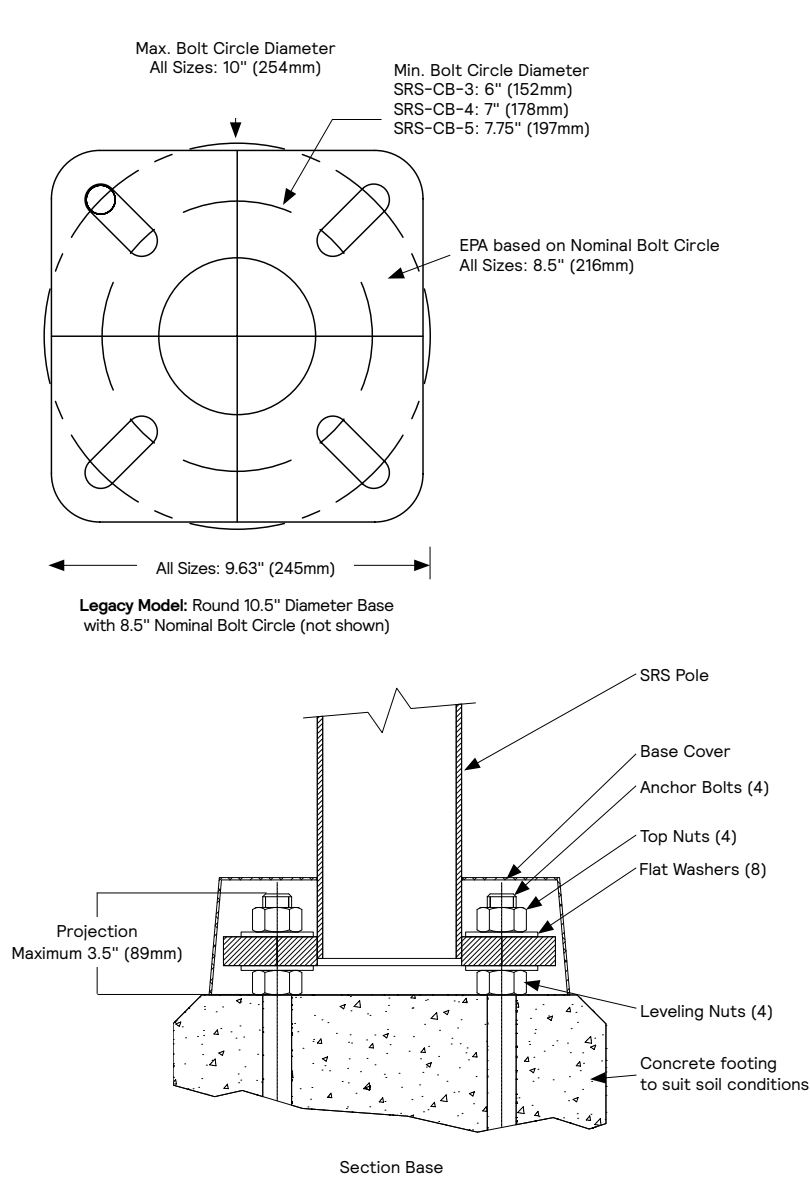
# Poles    Straight Round Steel

## Quick Ship ordering guide

example: SRS-CB-4-11-20-D1-DT5-BZ-RS

Family	Base	Pole Shaft Size (in.)	Pole Gauge/ Wall Thickness	Height (ft.) <sup>5</sup>	Drilling Configuration	Drilling Template	Finish	Options
SRS Straight Round Steel	CB Carbon Steel Base w/ Cover	4	11 11 ga. / 0.120"	20 25	D1 1 Way D1@180 1 Way @ 180 D2 2 Way @ 180 D2@90 2 Way @ 90 D3 3 Way @ 90 D3@120 3 Way @ 120 D4 4 Way @ 90	DT5 Drill Template 5	BZ Bronze MG Medium Grey BK Black	RS RapidShip*

## Dimensions



\* Anchor Bolt Lock Washers are not normally required and are not included in standard anchor bolt sets. They are available upon request at additional cost.

\*\* Grouting should include a drainage slot or tube (by others) to permit water to drain from the base of the pole. Failure to provide drainage may weaken the pole base structure over time and may result in pole base failure, for which Gardco is not responsible.

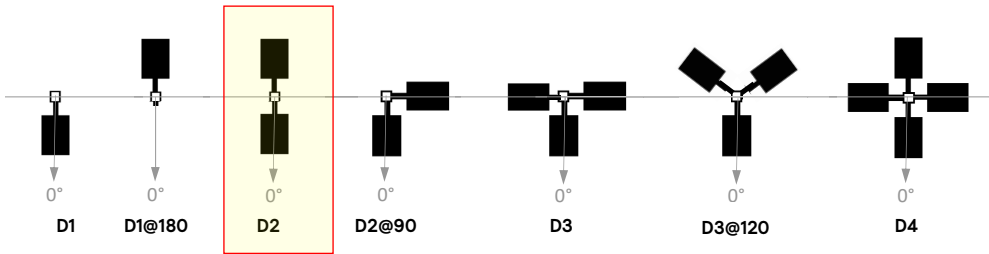
**NOTE:** Factory supplied template must be used when setting anchor bolts. Gardco will not honor any claim for incorrect anchorage placement from failure to use factory supplied templates.



# Poles    Straight Round Steel

## Drilling Configuration

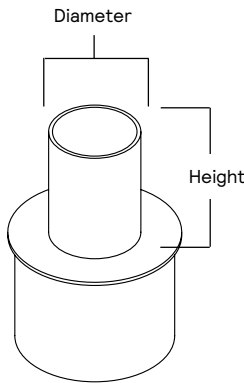
Code	Description
D1	Single luminaire
D1@180	Single luminaire @ 180
D2	Two luminaires @ 180
D2@90	Two luminaires @ 90
D3	Three luminaires @ 90
D3@120	Three luminaires @ 120
D4	Four luminaires @ 90



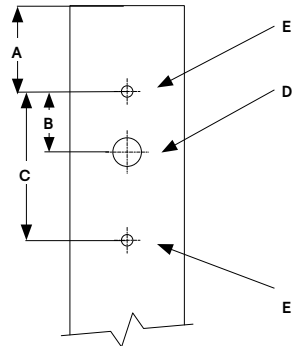
Ref. access door at 0° for all  
**Legacy design places access door at 180°**

## Tenon Dimensions

Tenon	Diameter	Height
T2D4L	2.375" (60mm)	4" (102mm)
T2D6L	2.375" (60mm)	6" (152mm)
T3D4L	3" (76mm)	4" (102mm)
T4D6L	4" (102mm)	6" (152mm)



## Pole Top Drilling



## Luminaire Drill Pattern

Code	Description	Luminaires	Pole Drilling				
			A To Pole Top	B	C Full Extent	D Wireway Hole	E Bolt Hole
DT1	Drill Template 1	Gardco SlenderForm Round SFRA	2.25" (57mm)	1.5" (38.1mm)	3" (76mm)	0.875" (22.2mm)	0.40" (10.2mm)
DT2	Drill Template 2	Gardco SlenderForm Square - SFA Gardco Gullwing - GL13, GL18 Gardco Form Ten - EH14L, EH19L, CAL17, CAL22, MAL17, MAL22	2.25" (57mm)	2.17" (55mm)	3.84" (98mm)	0.875" (22.2mm)	0.39" (9.9mm)
DT3	Drill Template 3	Gardco PowerForm PFAS	2.25" (57mm)	1.75" (44mm)	3.84" (98mm)	0.875" (22.2mm)	0.41" (10.4mm)
DT4	Drill Template 4	Gen1 Stonco/Keene AL150-G1, AL200-G1	2.5" (64mm)	1.7" (43mm)	3.5" (89mm)	0.875" (22.2mm)	0.41" (10.4mm)
DT5	Drill Template 5	Gardco EcoForm Gen2 - ECF-S, ECF-L Gardco PureForm Gen2 - P15, P20, P26, P34 OptiForm Small - OPF-S OptiForm Med - OPF-M OptiForm Large - OPF-L	3" (76mm)	1" (25mm)	3" (76mm)	1" (25mm)	0.41" (10.4mm)
DT6	Drill Template 6	Hole pattern drilled for the following: Attach RLAR bracket accessory, suitable for use with: Lumec Capella CPLM, CPLS Lumec RoadStar GPLM, GPLS Lumec RoadFocus RFS, RFM, RFL Lumec RoadView RVM, RVS Lumec MiniView SVS Lumec StreetView SVM Gardco SolarForm BRP710	2.5" (64mm)	1" (25mm)	2" (50mm)	0.875" (22mm)	0.5" (12.7mm)



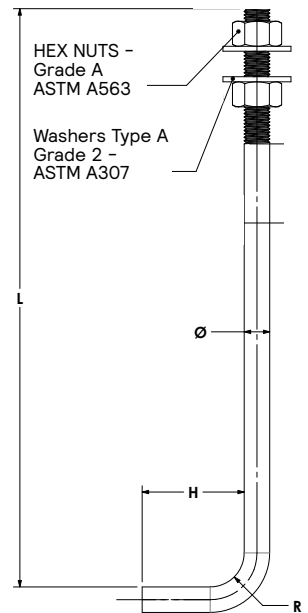
# Poles Straight Round Steel

## Pole Data

Product Catalog Number	Pole Specs				Anchor Bolt Data				
	Height (ft.)	Pole Diameter (in.)	Wall Thickness (in.)	Pole Weight (lbs)	Bolt Circle (in.)	Legacy Bolt Circle (in.)	Anchor Bolt Spec (in.)	Legacy Anchor Bolt Spec (in.)	Anchor Bolt Max Proj. (in.)
● SRS-CB-3-11-10	10	3	0.12	37	8.5 (6-10)	8.5 (8-9)	3/4 x 17 x 3	3/4 x 17 x 3	3.5
● SRS-CB-3-11-12	12	3	0.12	44	8.5 (6-10)	8.5 (8-9)	3/4 x 17 x 3	3/4 x 17 x 3	3.5
● SRS-CB-3-11-14	14	3	0.12	52	8.5 (6-10)	8.5 (8-9)	3/4 x 17 x 3	3/4 x 17 x 3	3.5
● SRS-CB-3-11-16	16	3	0.12	59	8.5 (6-10)	8.5 (8-9)	3/4 x 17 x 3	3/4 x 17 x 3	3.5
SRS-CB-4-11-10	10	4	0.12	50	8.5 (7-10)	8.5 (8-9)	3/4 x 24 x 3	3/4 x 24 x 3	3.5
SRS-CB-4-11-12	12	4	0.12	59	8.5 (7-10)	8.5 (8-9)	3/4 x 24 x 3	3/4 x 24 x 3	3.5
SRS-CB-4-11-14	14	4	0.12	69	8.5 (7-10)	8.5 (8-9)	3/4 x 24 x 3	3/4 x 24 x 3	3.5
SRS-CB-4-11-16	16	4	0.12	79	8.5 (7-10)	8.5 (8-9)	3/4 x 24 x 3	3/4 x 24 x 3	3.5
SRS-CB-4-11-20	20	4	0.12	99	8.5 (7-10)	8.5 (8-9)	3/4 x 24 x 3	3/4 x 24 x 3	3.5
SRS-CB-4-11-25	25	4	0.12	123	8.5 (7-10)	8.5 (8-9)	3/4 x 24 x 3	3/4 x 24 x 3	3.5
SRS-CB-5-11-20	20	5	0.12	124	8.5 (7.75-10)	8.5 (8-9)	3/4 x 24 x 3	3/4 x 24 x 3	3.5
SRS-CB-5-11-25	25	5	0.12	155	8.5 (7.75-10)	8.5 (8-9)	3/4 x 24 x 3	3/4 x 24 x 3	3.5
● SRS-CB-5-11-30	30	5	0.12	186	8.5 (7.75-10)	8.5 (8-9)	3/4 x 24 x 3	3/4 x 24 x 3	3.5
SRS-CB-5-7-25	25	5	0.18	229	8.5 (7.75-10)	8.5 (8-9)	3/4 x 24 x 3	3/4 x 24 x 3	3.5
● SRS-CB-5-7-30	30	5	0.18	275	8.5 (7.75-10)	8.5 (8-9)	3/4 x 24 x 3	3/4 x 24 x 3	3.5

● SRS Legacy Design

## Standard Anchor Bolt



## Pole Data (cont.)

Product Catalog Number	AASHTO 2001 - EPA ft <sup>2</sup>								CSA - EPA ft <sup>2</sup>							
	80 MPH	90 MPH	100 MPH	110 MPH	120 MPH	130 MPH	140 MPH	150 MPH	300 Pa 79 MPH	400 Pa 91 MPH	500 Pa 102 MPH	600 Pa 111 MPH	700 Pa 120 MPH	800 Pa 129 MPH	900 Pa 136 MPH	1000 Pa 144 MPH
● SRS-CB-3-11-10	14.20	10.96	8.66	6.93	5.61	4.61	3.79	3.15	15.28	11.12	8.62	6.96	5.76	4.87	4.18	3.62
● SRS-CB-3-11-12	11.47	8.75	6.80	5.35	4.26	3.40	2.72	2.17	12.13	8.68	6.61	5.24	4.26	3.50	2.94	2.48
● SRS-CB-3-11-14	9.22	6.99	5.38	4.12	3.18	2.45	1.86	1.39	9.68	6.76	5.02	3.85	3.03	2.40	1.92	1.53
● SRS-CB-3-11-16	6.51	4.79	3.56	2.68	1.98	1.45	1.02	N/A	7.66	5.18	3.68	2.70	1.98	1.45	1.04	N/A
SRS-CB-4-11-10	26.56	20.65	16.39	13.26	10.94	9.24	7.90	6.82	28.97	21.28	16.66	13.58	11.38	9.73	8.45	7.43
SRS-CB-4-11-12	21.80	16.80	13.23	10.57	8.62	7.25	6.17	5.32	23.58	17.13	13.26	10.69	8.83	7.46	6.37	5.53
SRS-CB-4-11-14	18.19	13.87	10.77	8.48	6.82	5.71	4.83	4.12	19.44	13.93	10.63	8.42	6.84	5.67	4.73	4.01
SRS-CB-4-11-16	15.30	11.51	8.80	6.78	5.35	4.44	3.71	3.15	16.14	11.35	8.48	6.55	5.20	4.17	3.38	2.74
SRS-CB-4-11-20	10.47	7.57	5.49	3.97	2.89	2.31	1.86	1.51	10.98	7.29	5.06	3.59	2.53	1.74	1.12	N/A
SRS-CB-4-11-25	6.35	4.15	2.56	1.41	N/A	N/A	N/A	N/A	6.12	3.38	1.74	N/A	N/A	N/A	N/A	N/A
SRS-CB-5-11-20	17.94	13.29	10.30	8.31	6.78	5.64	4.73	4.03	19.67	13.56	9.89	7.45	5.71	4.40	3.68	3.15
SRS-CB-5-11-25	11.74	8.19	6.08	4.75	3.77	3.03	2.45	2.00	12.72	8.04	5.23	3.36	2.01	1.02	N/A	N/A
● SRS-CB-5-11-30	7.29	4.48	2.95	2.11	1.51	1.08	N/A	N/A	7.29	3.64	1.47	N/A	N/A	N/A	N/A	N/A
SRS-CB-5-7-25	19.65	14.46	11.14	8.93	7.29	6.02	5.04	4.26	21.58	14.69	10.55	7.78	5.82	4.34	3.56	3.01
● SRS-CB-5-7-30	13.62	9.48	6.99	5.46	4.32	3.47	2.80	2.27	14.22	8.85	5.63	3.48	1.94	N/A	N/A	N/A

- Warning:** Additional wind loading, in terms of EPA, from banners, cameras, floodlights and other accessories attached to the pole, must be added to the luminaire(s) EPA before selecting the pole with the appropriate wind load capability. Specifying BAA or BAC compliant poles may result in different EPA ratings.
  - Factory supplied template must be used when setting anchor bolts. Gardco will not honor any claim for incorrect anchorage placement resulting from failure to use factory supplied templates. Exact length of anchor bolts may vary.
  - EPA ratings are based on the listed, optimal nominal dimension of the bolt circle listed above. The bolt circle has limited variability but the EPA rating will change.
- Note:** Above EPA (Effective Projected Area) rating is in accordance with AASHTO 2001, with a 50 pound load (22.7 kg) placed at 1 foot (305mm) above its center.



# Poles Straight Round Steel

## Specifications

### Pole shaft

The pole shaft is fabricated from a single piece of 11 ga (0.1196") or 7 ga (0.180") high tensile carbon steel. The formed steel plate is longitudinally welded providing minimum yield strength of 50 ksi. Shaft includes factory installed copper ground lug, 10-7 copper wire, and ground lug screw.

### Anchor Base

The pole anchor base is fabricated from 44W structural quality carbon steel with a minimum yield strength of 44 ksi. The base plate is circumferentially welded on both top and bottom.

### Anchor Bolts

Anchor bolts are fabricated from a commercial quality hot rolled carbon steel bar that meets or exceeds a minimum guaranteed yield strength of 55 ksi. Bolts have an "L" bend on one end and threaded on the opposite end. Anchor bolts are galvanized in accordance with ASTM A-153.6 C1.C. Four (4) properly sized bolts, each furnished with two (2) regular hex nuts and two (2) flat washers, are provided per pole (priced and ordered separately), unless otherwise specified. Conforms to AASHTO M 314 90 and ASTM F1554.

### Customer Specified Options

The options, DTX, FES, DR, GFI, AHH, CL\*, and NL\* require factory quotation. Poles with custom drilling templates (DTX) are provided as a service, however Signify holds no liability for improper installation and safety when using non-Signify luminaires or attachments on Gardco poles via drilling, tenon mounting, or coupling and nipple mounting. It is the responsibility of the customer to ensure the pole is loaded and installed in a safe manner to the limitations of the pole structure. See "Warning" paragraph for more details.

### Base Cover

A two-piece painted square aluminum base cover that completely conceals the entire base plate and anchorage. Base cover is provided standard. Legacy model includes a round 0.125" thick composite base cover.

### Hand hole

The hand hole has a nominal rectangular 2"x4.5" inside opening in the pole shaft. Included is an aluminum cover plate, EPDM gasket, and captive attachment screws. The hand hole is located 20" above the base and 0° clockwise with respect to the luminaire arm when viewed from the top of the pole for one arm. For two arms the hand hole is located directly under one arm. Legacy design includes an easy to install, self-contained Swing Latch hand hole cover assembly. U.S. Patent Swing Latch cover is fabricated from durable polycarbonate/ABS blend plastic. All pole assemblies are provided with a 2.50" x 5.00" rectangular hand hole.

### Pole Top Cap

Each pole assembly is provided with a removable aluminum pole top cap painted to match the specified pole and attached with three pressure screws. Legacy design is provided with a removable plastic top push cap. Finish is Black.

### Finish

Poles are available with Gardco's standard textured color finishes - Black, White, Bronze, Dark Grey, Medium Grey, and Lumec GY3 for a match with roadway luminaire finishes. Optional Galvanized finish and custom colors also available. Legacy design is provided with gloss paint on standard finishes.

### Couplings and Nipples

Couplings (NPSC standard internal threads) and Nipples (NPT standard external threads) are available to mount 3rd party objects to the pole. For most applications Couplings and Nipples must be at least 4' from the base of the pole. Lengths are as follows:

Couplings < 1" dia. = 1" length  
Couplings >= 1" dia. = 1.5" length  
Nipples < 1" dia. = 1.5" length  
Nipples >= 1" dia. = 2" length

Legacy pole designs may deviate from specifications listed here. See "Customer Specified Options" paragraph for more details.

### Duplex Receptacle (DR and GFI)

DR and GFI options are placed at 2' below the pole top on the same side as the hand hole unless otherwise specified. DR or GFI options cannot be placed within 1' of the hand hole. Options can typically be placed 32" above base for utility purposes. Maximum output of the receptacles are 15A.

## General Pole Information

### Design

EPA specs conform to AASHTO 2001. The poles as charted are designed to withstand dead loads and predicted dynamic loads developed by variable wind pressure with an additional 2.5 gust factor under the following conditions: The charted weights include luminaire(s) and/or mounting bracket(s). Poles installed in areas of known abnormal conditions may require special consideration. For example: coastal areas, airports and areas of special winds. Poles are designed for ground mounted applications. Poles mounted on structures (such as buildings and bridges) may also necessitate special consideration requiring Gardco's recommendation. Height correction factors and drag coefficients are applied to the entire structure. An appropriate safety factor is maintained based on the minimum yield strength of the material incorporated in the pole.

### Warning

This design information is intended as a general guideline only. The customer is solely responsible for proper selection of pole, luminaire, accessory and foundation under the given site conditions and intended usage. The addition of any items to the pole, in addition to the luminaire, will dramatically impact the EPA load on that pole. It is strongly recommended that a qualified professional be consulted to analyze the loads given the user's specific needs to ensure proper selection of the pole, luminaire, accessories, and foundation. Gardco assumes no responsibility for such proper analysis or product selections. Failure to ensure proper site analysis, pole selection, loads and installation can result in pole failure, leading to serious injury or property damage.

### Warranty

Gardco Steel poles are covered by a 3-year structural and finish warranty. Legacy designs are covered by a 1-year warranty. For more information visit [signify.com/warranties](https://www.signify.com/warranties).