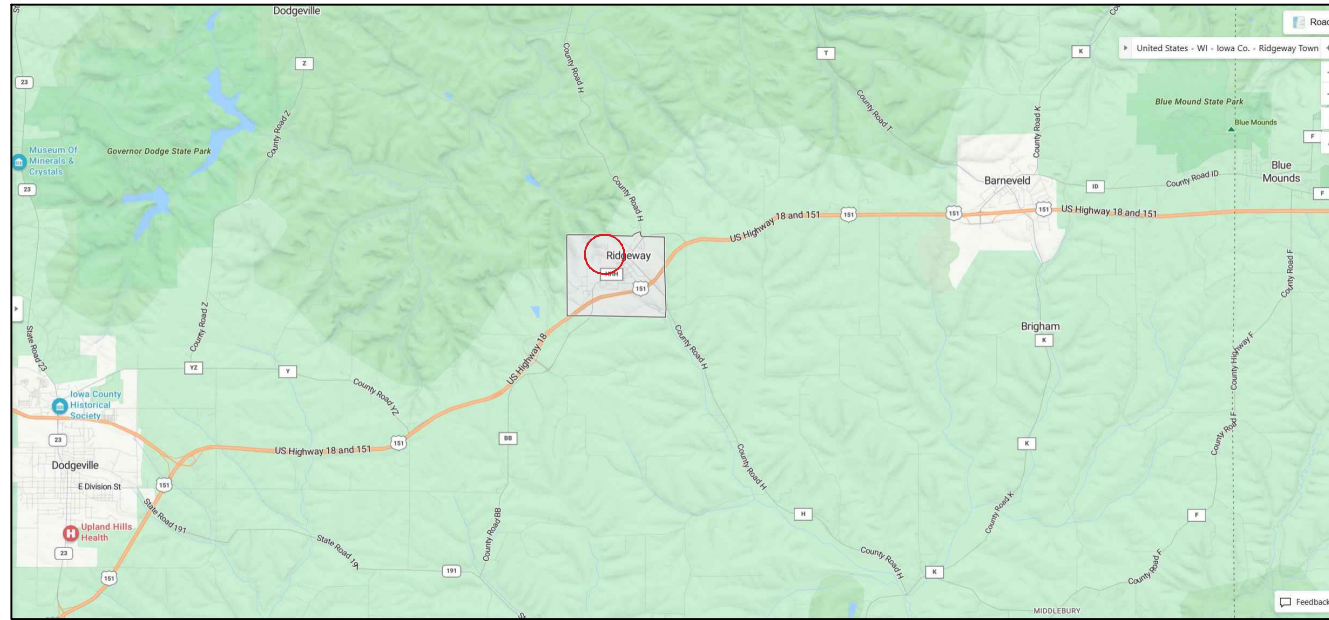


PROJECT LOCATION MAP



PROJECT ADDRESS:  
A. HUGHETTE ROAD

NTS

**RIDGEWAY COMMUNITY PARK**  
**VILLAGE OF RIDGEWAY**  
**RIDGEWAY, WISCONSIN**  
 PROJECT NUMBER 22.055

| INDEX TO DRAWINGS |                                          |
|-------------------|------------------------------------------|
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| C100              | SITE LAYOUT PLAN - OVERVIEW              |
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| C103              | SITE LAYOUT PLAN - NORTH PARKING AREA    |
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| E001              | ABBREVIATIONS, SYMBOLS, AND NOTES        |
| E100              | ELECTRICAL SITE                          |
| E100D             | ELECTRICAL SITE DEMO                     |
| C701              | ELECTRICAL SCHEDULES AND DIAGRAMS        |
| C702              | ELECTRICAL SPECIFICATIONS                |
| C900              | CONSTRUCTION DETAILS                     |
| C901              | CONSTRUCTION DETAILS                     |
| C902              | CONSTRUCTION DETAILS                     |
| C903              | CONSTRUCTION DETAILS                     |



Project Name:  
**COMMUNITY PARK IMPROVEMENTS**  
**HUGHETTE ROAD**  
**RIDGEWAY, WI 53582**  
 Sheet Title:  
**TITLE SHEET**

Revisions:

|  |  |
|--|--|
|  |  |
|--|--|

Project #: 22.055  
 Issued For: REVIEW  
 Date: 07/11/2023

Sheet Number  
**T100**



**SITE DEMOLITION NOTES**

1. CONTACT DIGGER'S HOTLINE 5 WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.
2. WORKING HOURS TO BE APPROVED BY VILLAGE.
3. CONSTRUCTION TRAFFIC SHALL BE MINIMIZED TO AVOID CONFLICTS WITH PARK USERS.
4. COORDINATE SITE ACCESS, STAGING AND SECURITY WITH VILLAGE STAFF.
5. CONSTRUCTION STAFF MUST PARK ON THE STREET OR IN PARKING LOTS - NO PERSONAL VEHICLES ON THE CONSTRUCTION SITE.
6. DAMAGE TO EXISTING HARDSCAPE, TREES, OR LAWN AT SITE ACCESS MUST BE REPLACED IN KIND.

**EXISTING CONDITIONS NOTES**

1. SITE SURVEY PROVIDED BY VILLAGE OF RIDGEWAY.
2. ACTUAL FIELD CONDITIONS MAY VARY SLIGHTLY. CONTRACTOR TO VERIFY DIMENSIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.

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**COMMUNITY PARK IMPROVEMENTS**

**HUGHETTE ROAD  
RIDGWAY, WI 53582**

**EXISTING CONDITIONS PHOTOS**

Project Name:

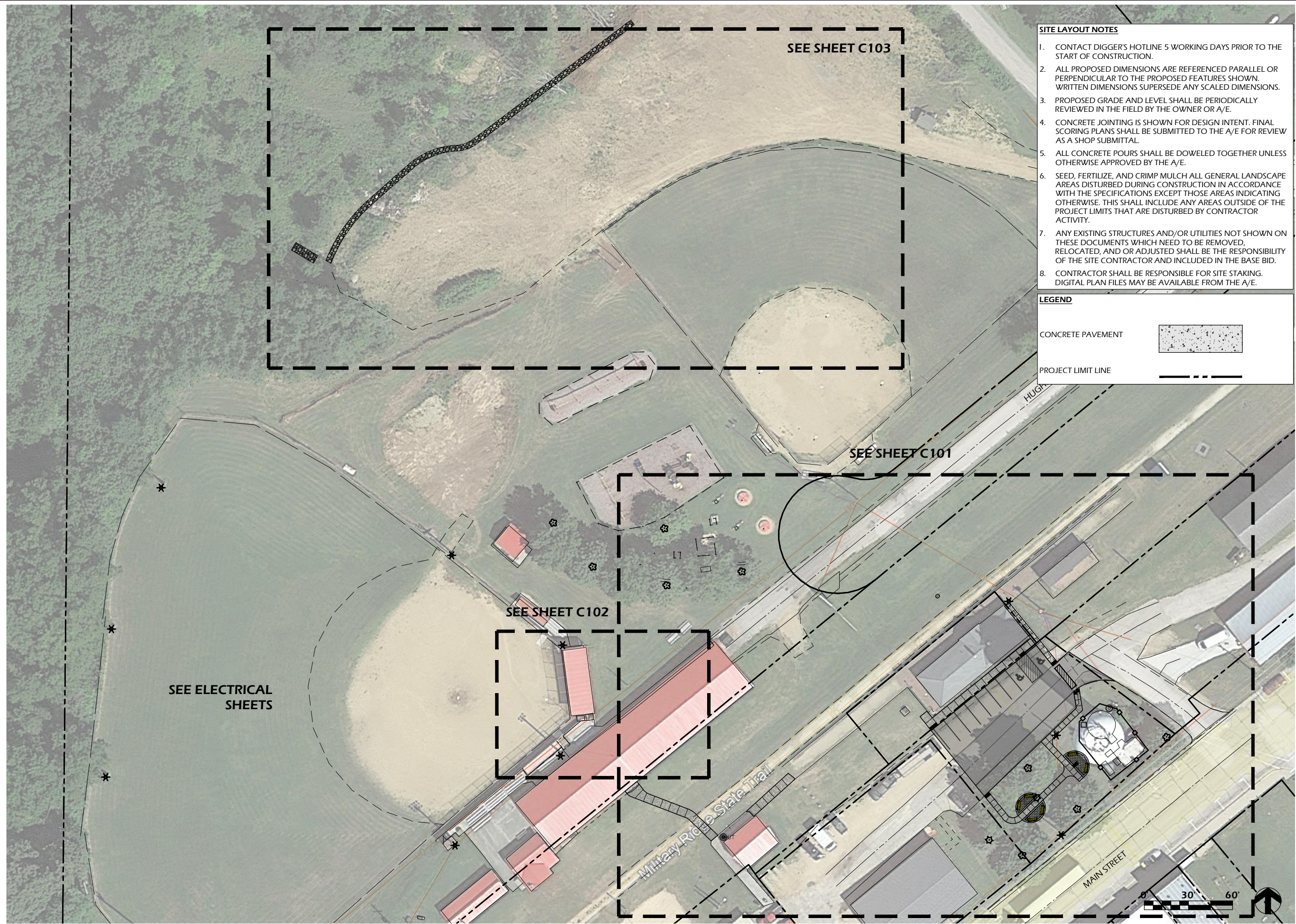
Revisions:

Project #: 22.055  
Issued For: REVIEW  
Date: 07/11/2023

Sheet Number  
**C002**



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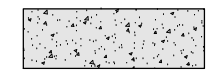


**SITE LAYOUT NOTES**

1. CONTACT DIGGER'S HOTLINE 5 WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.
2. ALL PROPOSED DIMENSIONS ARE REFERENCED PARALLEL OR PERPENDICULAR TO THE PROPOSED FEATURES SHOWN. WRITTEN DIMENSIONS SUPERSEDE ANY SCALED DIMENSIONS.
3. PROPOSED GRADE AND LEVEL SHALL BE PERIODICALLY REVIEWED IN THE FIELD BY THE OWNER OR A/E.
4. CONCRETE JOINTING IS SHOWN FOR DESIGN INTENT. FINAL SCORING PLANS SHALL BE SUBMITTED TO THE A/E FOR REVIEW AS A SHOP SUBMITTAL.
5. ALL CONCRETE POURS SHALL BE DOWELED TOGETHER UNLESS OTHERWISE APPROVED BY THE A/E.
6. SEED, FERTILIZE, AND CRIMP MULCH ALL GENERAL LANDSCAPE AREAS DISTURBED DURING CONSTRUCTION IN ACCORDANCE WITH THE SPECIFICATIONS EXCEPT THOSE AREAS INDICATING OTHERWISE. THIS SHALL INCLUDE ANY AREAS OUTSIDE OF THE PROJECT LIMITS THAT ARE DISTURBED BY CONTRACTOR ACTIVITY.
7. ANY EXISTING STRUCTURES AND/OR UTILITIES NOT SHOWN ON THESE DOCUMENTS WHICH NEED TO BE REMOVED, RELOCATED, AND OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE CONTRACTOR AND INCLUDED IN THE BASE BID.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE STAKING. DIGITAL PLAN FILES MAY BE AVAILABLE FROM THE A/E.

**LEGEND**

CONCRETE PAVEMENT



PROJECT LIMIT LINE



Project Name:  
**COMMUNITY PARK IMPROVEMENTS**

**HUGHETTE ROAD  
RIDGWAY, WI 53582**

Sheet Title:  
**SITE LAYOUT PLAN - OVERVIEW**

Revisions:

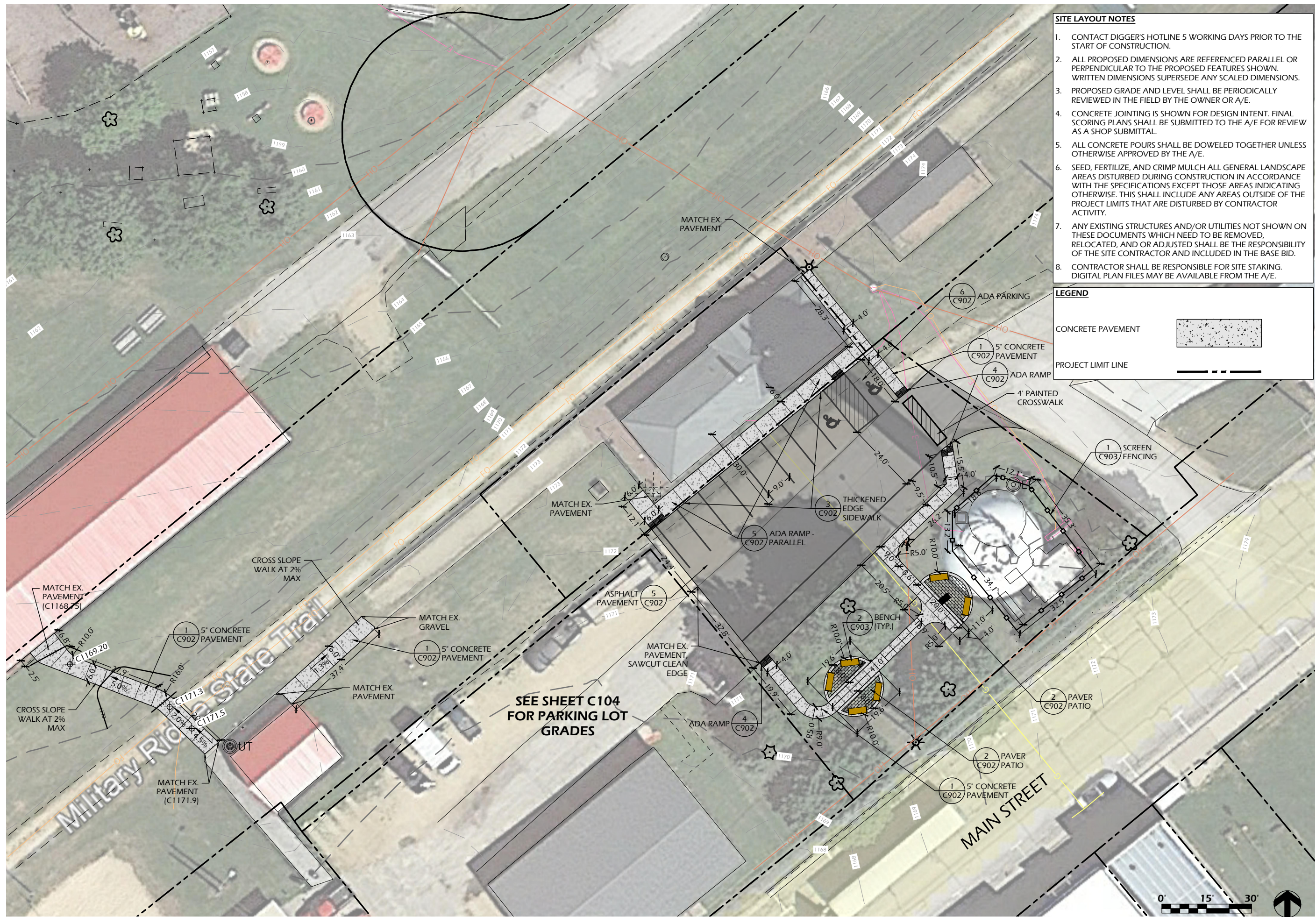
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Date: 07/11/2023

Sheet Number

**C100**



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- SITE LAYOUT NOTES**
- CONTACT DIGGER'S HOTLINE 5 WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.
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**LEGEND**

CONCRETE PAVEMENT

PROJECT LIMIT LINE

Project Name: COMMUNITY PARK IMPROVEMENTS  
 Project #: 22.055  
 Issued For: REVIEW  
 Date: 07/11/2023

Revisions:

Sheet Number: C101

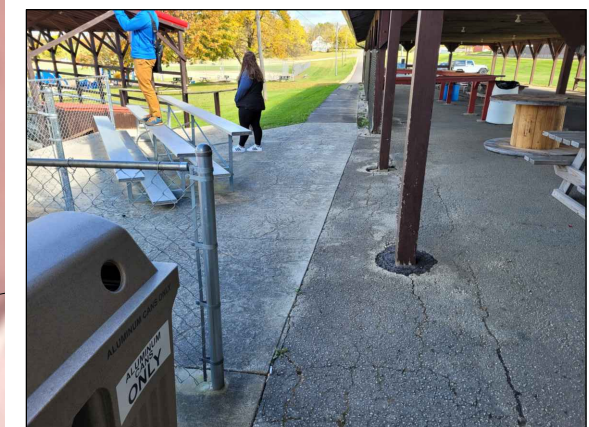
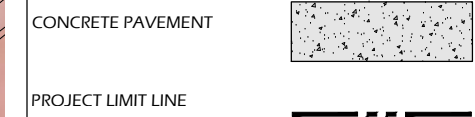




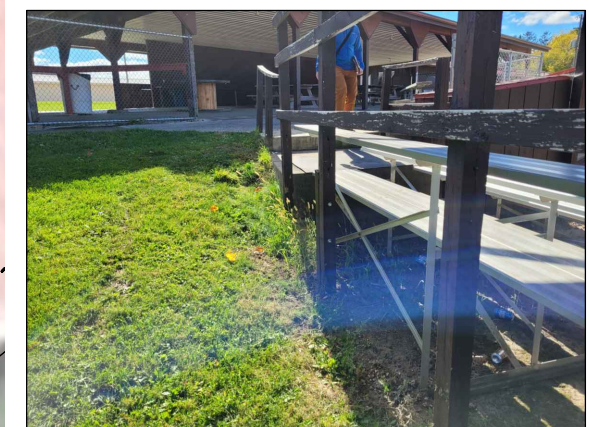
**SITE LAYOUT NOTES**

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2. ALL PROPOSED DIMENSIONS ARE REFERENCED PARALLEL OR PERPENDICULAR TO THE PROPOSED FEATURES SHOWN. WRITTEN DIMENSIONS SUPERSEDE ANY SCALED DIMENSIONS.
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8. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE STAKING. DIGITAL PLAN FILES MAY BE AVAILABLE FROM THE A/E.

**LEGEND**



**IMAGE 1**



**IMAGE 2**

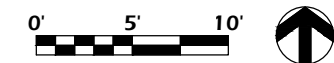






IMAGE 3



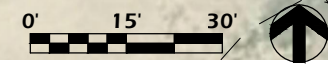
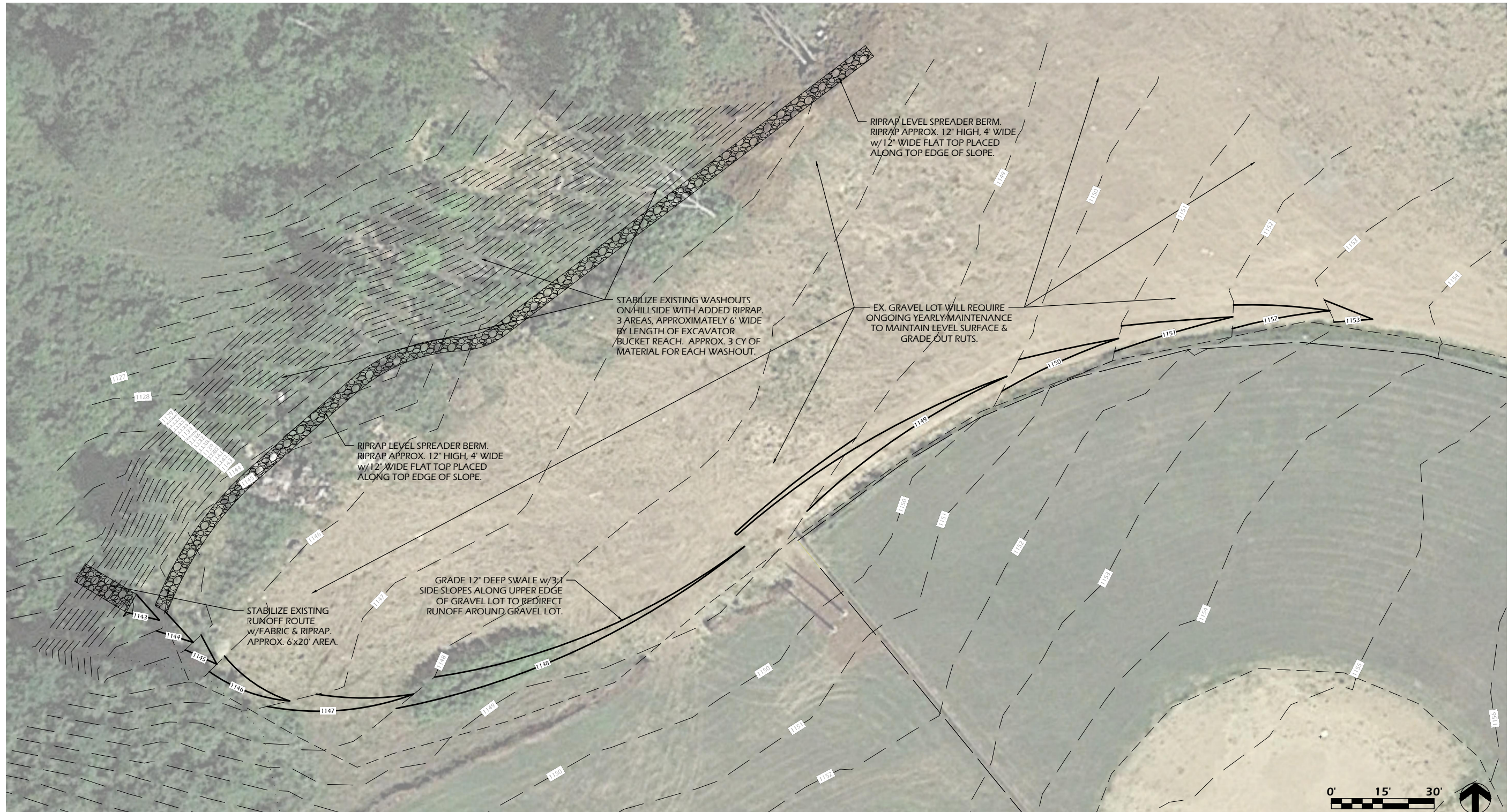
IMAGE 4



IMAGE 5: EXAMPLE WASHOUT



IMAGE 6

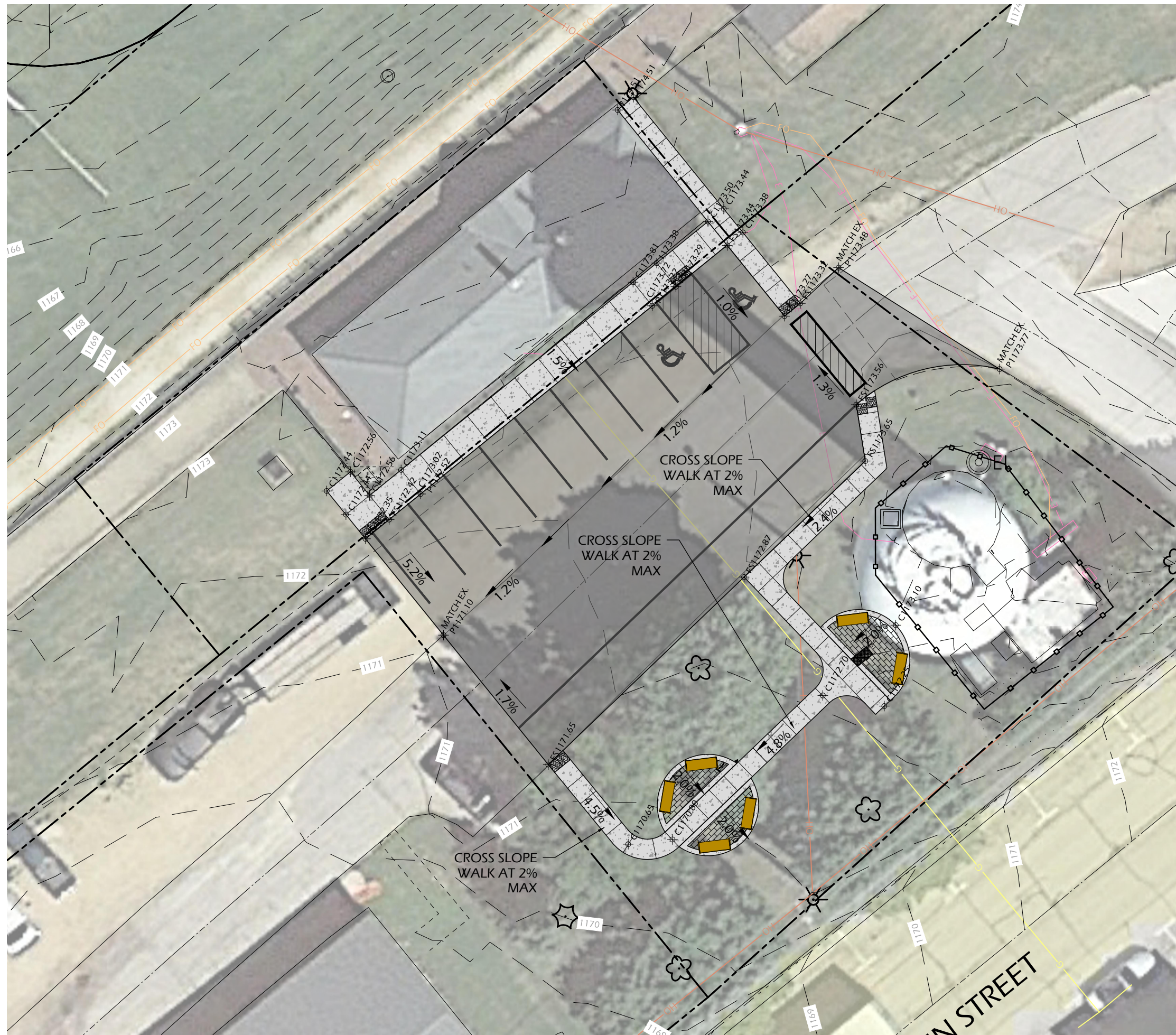


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| Project Name: | COMMUNITY PARK IMPROVEMENTS |
| Project #:    | 22.055                      |
| Issued For:   | REVIEW                      |
| Date:         | 07/11/2023                  |
| Sheet Number: | <b>C103</b>                 |




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- CONTACT DIGGER'S HOTLINE 5 WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.
- ALL PROPOSED DIMENSIONS ARE REFERENCED PARALLEL OR PERPENDICULAR TO THE PROPOSED FEATURES SHOWN. WRITTEN DIMENSIONS SUPERSEDE ANY SCALED DIMENSIONS.
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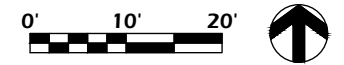
**LEGEND**

CONCRETE PAVEMENT 

PROJECT LIMIT LINE 

**SPOT GRADE ABBREVIATIONS:**

- (XXX.XX) = EXISTING GRADE
- CXXX.XX = PROPOSED CONCRETE
- PXXX.XX = PROPOSED PAVEMENT
- XXX.XX = PROPOSED FINISH SURFACE
- FSXXX.XX = PROPOSED FINISH SURFACE
- TOCXXX.XX = PROPOSED TOP OF CURB
- RIMXXX.XX = RIM
- IEXXX.XX = INVERT ELEVATION
- TWXXX.XX = TOP OF WALL ELEVATION
- BWXXX.XX = BOTTOM OF WALL ELEVATION



**COMMUNITY PARK IMPROVEMENTS**

HUGHETTE ROAD  
 RIDGWAY, WI 53582

**SITE GRADING PLAN - DEPOT AREA**

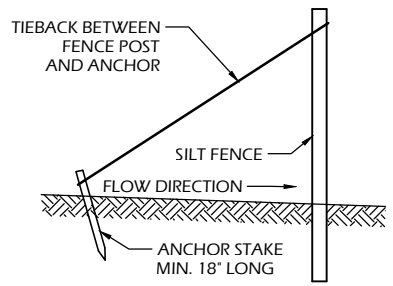
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Revisions:

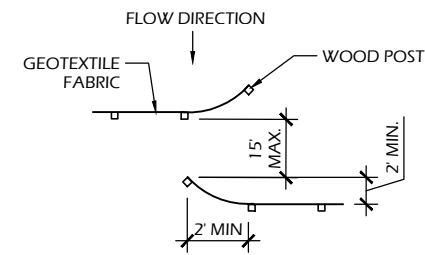
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 Date: 07/11/2023

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**C104**

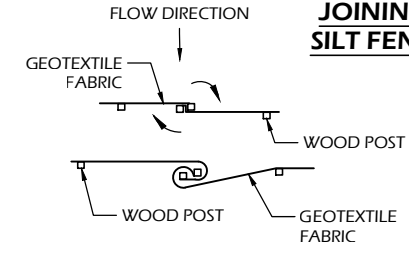




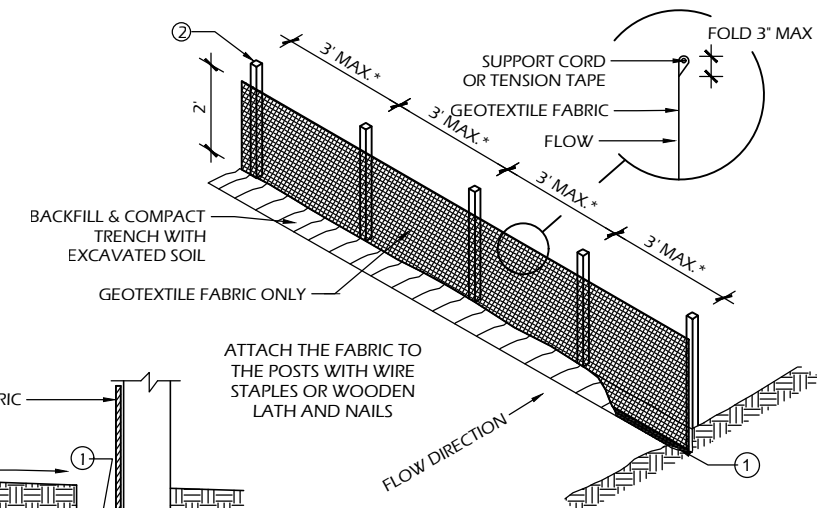
**SILT FENCE TIE BACK  
(WHEN REQUIRED BY  
THE ENGINEER)**



**JOINING TWO LENGTHS OF  
SILT FENCE (HOOK METHOD)**



**JOINING TWO LENGTHS OF  
SILT FENCE (TWIST METHOD)**

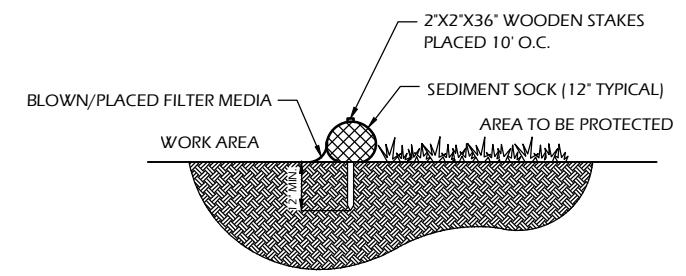


**TRENCH DETAIL**

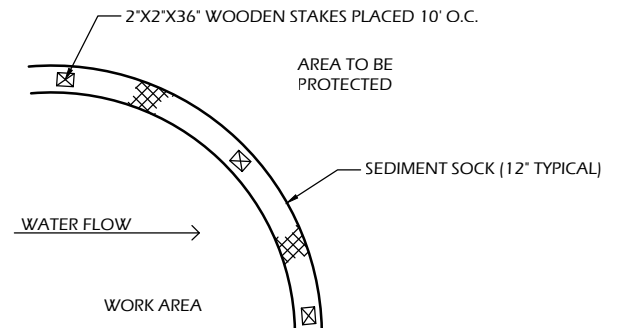
**SILT FENCE**

**SILT FENCE GENERAL NOTES:**

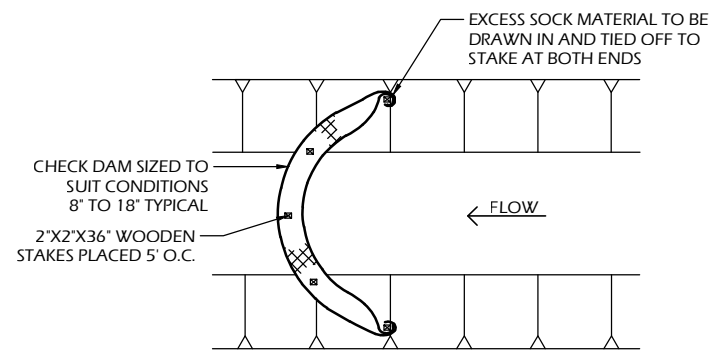
- FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- WOOD POSTS SHALL BE A MINIMUM SIZE OF 3' LENGTH OF OAK OR HICKORY
- ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOILS
- DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE SPECIFICATIONS.
- 8" OF FENCE FABRIC REQUIRED BELOW GRADE IN TRENCH PER DNR TECH STD. 1056
- MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE WisDOT PRODUCT ACCEPTABILITY LIST (PAL) MAY BE SUBSTITUTED.
- FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2"x4".



**SECTION**



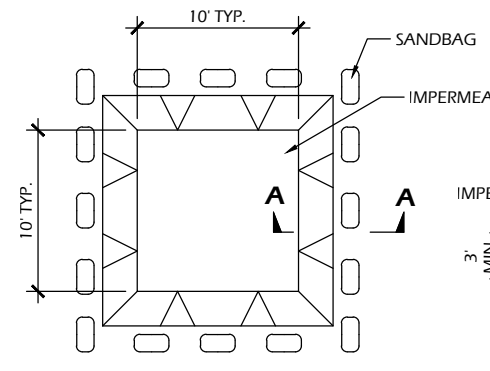
**PLAN**



**SEDIMENT SOCK**

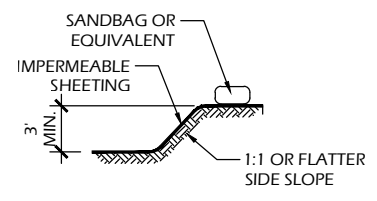
**SEDIMENT SOCK NOTES:**

- ALL MATERIAL TO MEET SPECIFICATIONS.
- SEDIMENT SHOULD BE REMOVED FROM BEHIND CHECK DAM ONCE THE ACCUMULATED HEIGHT HAS REACHED 1/2 THE HEIGHT OF THE CHECK DAM. CHECK DAM CAN BE DIRECT SEEDED AT THE TIME OF INSTALLATION.
- FILTER MEDIA FILL TO MEET APPLICATION REQUIREMENTS.
- COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.
- EROSION CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD AND TECHNICAL SPECIFICATIONS.
- CROSS BRACE WITH 2' X 4' WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS AS DIRECTED BY THE ENGINEER.
- MINIMUM 14 GAUGE WIRE REQUIRED, FOLD FABRIC 3" OVER THE WIRE AND STAPLE OR PLACE WIRE RINGS ON 12" C.C.
- WIRE SUPPORT FENCE SHALL BE 14 GAUGE MINIMUM WOVEN WIRE WITH A MAXIMUM MESH SPACING OF 6". SECURE TOP OF GEOTEXTILE FABRIC TO TOP OF FENCE WITH STAPLES OR WIRE RINGS AT 12" C.C. (TYPE B)
- GEOTEXTILE FABRIC SHALL BE REINFORCED WITH AN INDUSTRIAL POLYPROPYLENE NETTING WITH A MAXIMUM MESH SPACING OF 3/4" OR EQUAL. A HEAVY DUTY NYLON TOP SUPPORT CORD OR EQUIVALENT IS REQUIRED. (TYPE A)
- STEEL POSTS SHALL BE STUDDED "TEE" OR "U" TYPE WITH A MINIMUM WEIGHT OF 1.28 LBS./LIN. FT. (WITHOUT ANCHOR) FIN ANCHORS SUFFICIENT TO RESIST POST MOVEMENT ARE REQUIRED. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1 1/8" X 1 1/8" OF OAK OR HICKORY.
- CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL, IF POSSIBLE, BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY, USE ONE OF THE FOLLOWING TWO METHODS: A.) TWIST METHOD - OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B.) HOOK METHOD - HOOK THE END OF EACH SILT FENCE LENGTH.

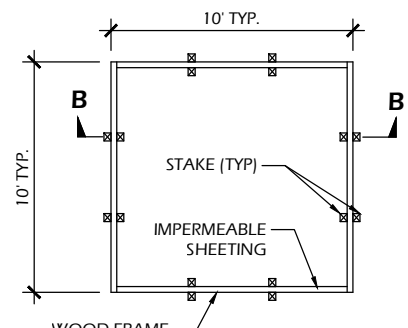


**PLAN**

**EXCAVATED WASHOUT STRUCTURE**

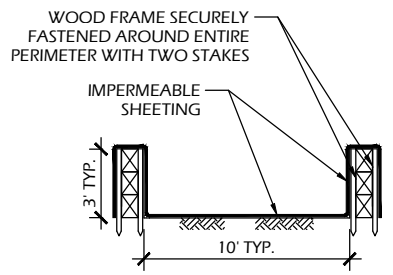


**SECTION A-A**

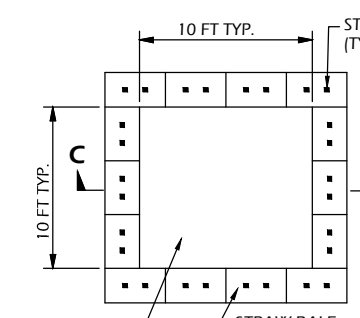


**PLAN**

**WASHOUT STRUCTURE WITH WOOD PLANKS**

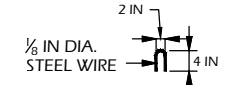


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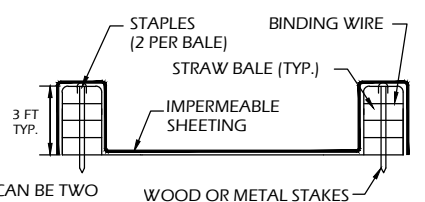


**PLAN**

**WASHOUT STRUCTURE WITH STRAW BALES**



**STAPLE DETAIL**



**SECTION C-C**

NOTE: CAN BE TWO STACKED BALES OR PARTIALLY EXCAVATED TO REACH 3 FT DEPTH

**CONSTRUCTION SPECIFICATIONS**

- TEMPORARY CONCRETE WASHOUT STRUCTURE SHALL BE USED TO WASH DOWN CONCRETE TRUCK CHUTES AND OTHER EQUIPMENT AFTER USE TO PREVENT WASHDOWN WATER FROM POLLUTING THE SITE.
- LOCATE WASHOUT STRUCTURE A MINIMUM OF 50 FEET AWAY FROM OPEN CHANNELS, STORM DRAIN INLETS, SENSITIVE AREAS, WETLANDS, BUFFERS AND WATER COURSES AND AWAY FROM CONSTRUCTION TRAFFIC.
- SIZE WASHOUT STRUCTURE FOR VOLUME NECESSARY TO CONTAIN WASH WATER AND SOLIDS AND MAINTAIN AT LEAST 4 INCHES OF FREEBOARD. TYPICAL DIMENSIONS ARE 10 FEET X 10 FEET X 3 FEET DEEP.
- PREPARE SOIL BASE FREE OF ROCKS OR OTHER DEBRIS THAT MAY CAUSE TEARS OR HOLES IN THE LINER. FOR LINER, USE 10 MIL OR THICKER UV RESISTANT, IMPERMEABLE SHEETING, FREE OF HOLES AND TEARS OR OTHER DEFECTS THAT COMPROMISE IMPERMEABILITY OF THE MATERIAL.
- PROVIDE A SIGN FOR THE WASHOUT IN CLOSE PROXIMITY TO THE FACILITY.
- KEEP CONCRETE WASHOUT STRUCTURE WATER TIGHT. REPLACE IMPERMEABLE LINER IF DAMAGED (E.G., RIPPED OR PUNCTURED). EMPTY OR REPLACE WASHOUT STRUCTURE THAT IS 75 PERCENT FULL, AND DISPOSE OF ACCUMULATED MATERIAL PROPERLY. DO NOT REUSE PLASTIC LINER. WET-VACUUM STORED LIQUIDS THAT HAVE NOT EVAPORATED AND DISPOSE OF IN AN APPROVED MANNER. PRIOR TO FORECASTED RAINSTORMS, REMOVE LIQUIDS OR COVER STRUCTURE TO PREVENT OVERFLOWS. REMOVE HARDENED SOLIDS, WHOLE OR BROKEN UP, FOR DISPOSAL OR RECYCLING. MAINTAIN RUNOFF DIVERSION AROUND EXCAVATED WASHOUT STRUCTURE UNTIL STRUCTURE IS REMOVED.

**1**  
C900

**CONCRETE WASHOUT STRUCTURE (TEMP)**

SCALE: NTS

**2**  
C900

**SILT FENCE OR SEDIMENT SOCK**

SCALE: NTS

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Project #:

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Date:

Sheet Number

22.055

REVIEW

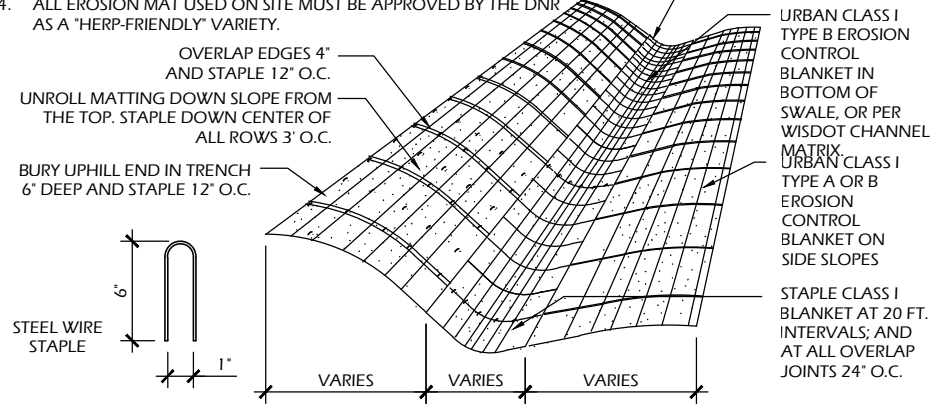
07/11/2023

**C900**



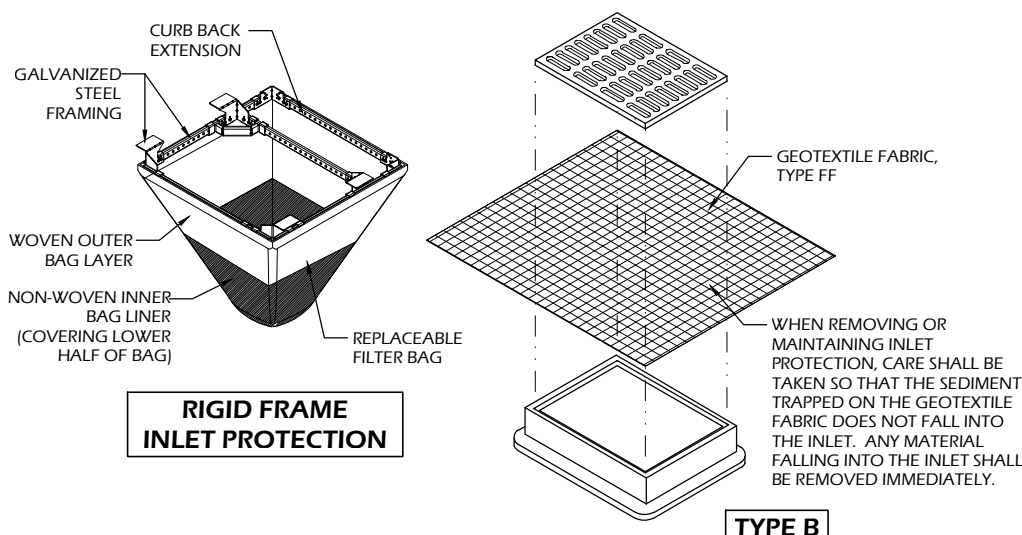
NOTES

1. PREPARE SOIL BEFORE INSTALLING BLANKET INCLUDING ALL SOIL PREPARATION AND SEEDING AS SPECIFIED.
2. ANCHOR BLANKET IN 6" TRENCH PRIOR TO ROLLING DOWN SLOPE.
3. THE BOTTOM SECTION OF BLANKET SHOULD BE ON THE DOWNSTREAM SIDE OF ALL OVERLAPS.
4. ALL EROSION MAT USED ON SITE MUST BE APPROVED BY THE DNR AS A "HERP-FRIENDLY" VARIETY.



**4 EROSION MAT**

C901 SCALE: NTS

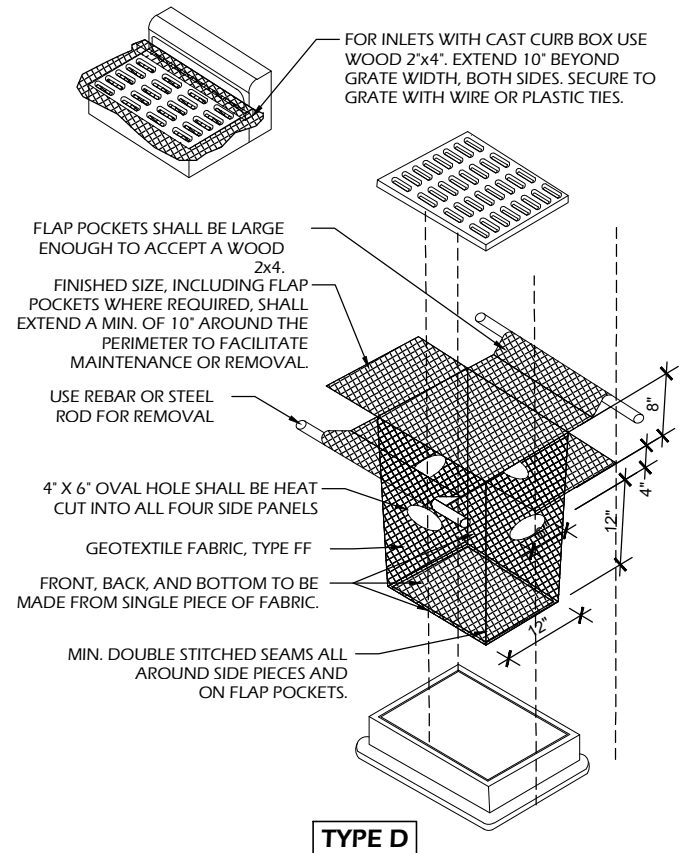


**RIGID FRAME INLET PROTECTION**

**TYPE B**

**3 INLET PROTECTION TYPES B & D**

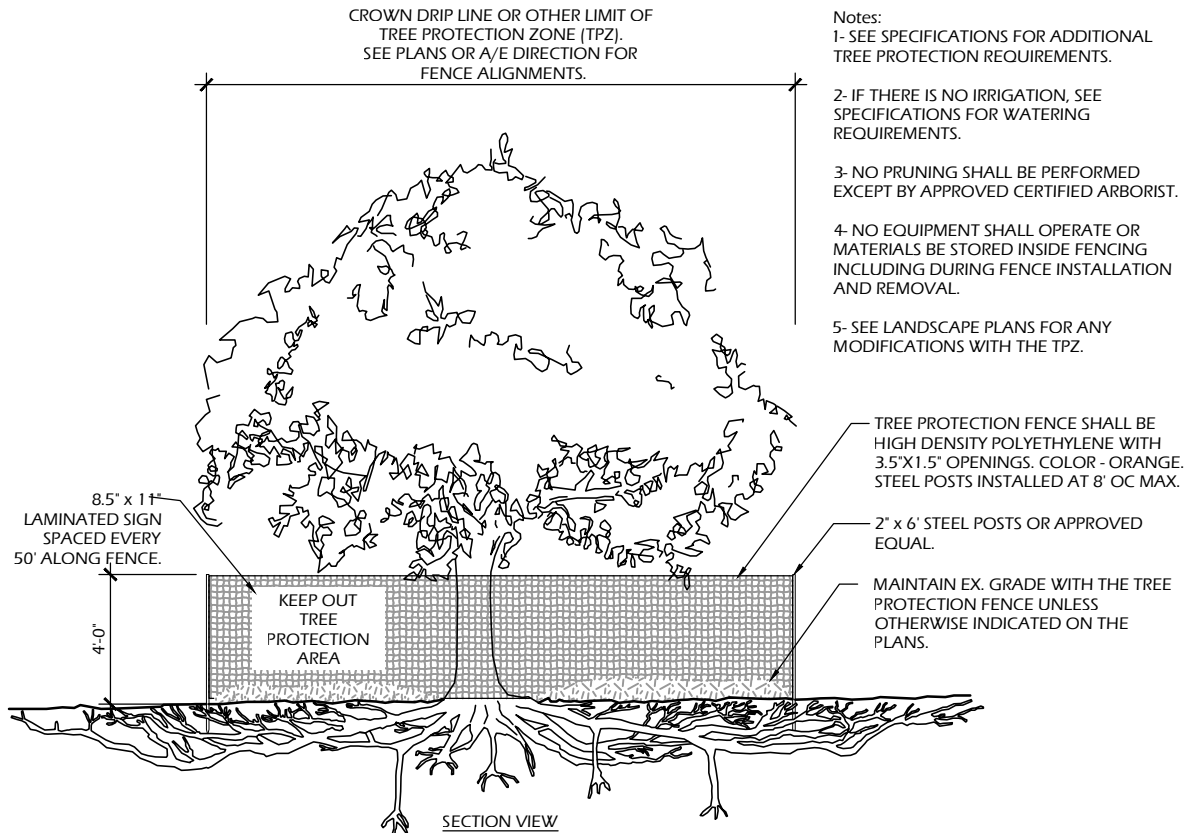
C901 SCALE: NTS



**TYPE D**

**INLET PROTECTION NOTES:**

1. INSTALL PER WDNR STORM WATER CONSTRUCTION TECHNICAL STANDARD 1060.
2. INLET PROTECTION TYPE B SHALL BE USED ON STRUCTURES 30" OR LESS IN DEPTH.
3. RIGID FRAME OR TYPE D INLET PROTECTION MAY BE USED AT THE DISCRETION OF THE CONTRACTOR UNLESS OTHERWISE NOTED.
4. ROUTINELY INSPECT FOR INTEGRITY AND NEEDED MAINTENANCE.
5. EMPTY SEDIMENT WHEN THE BAG IS HALF FULL OR SEDIMENT IS WITHIN 6 INCHES OF THE OVERFLOW HOLES, OR AS DIRECTED BY THE OWNER OR A/E.
6. IMMEDIATELY REMOVE ANY SEDIMENT FALLING INTO THE INLET DURING MAINTENANCE ACTIVITIES.
7. INLET PROTECTION SHALL BE REMOVED AFTER THE SITE HAS ACHIEVED 80% STABILIZATION OR AT THE END OF THE PROJECT.



**2 TREE PROTECTION**

C901 SCALE: NTS

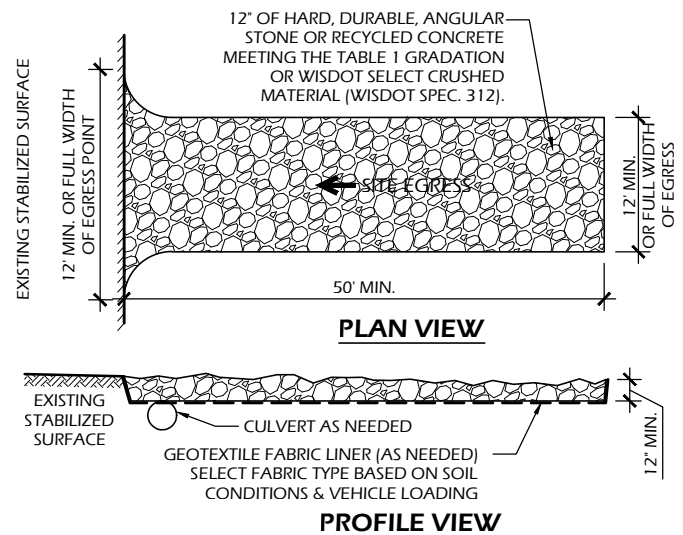


TABLE 1  
AGGREGATE GRADATION

| SIEVE SIZE | PERCENT PASSING BY WEIGHT |
|------------|---------------------------|
| 3"         | 100                       |
| 2 1/2"     | 90 - 100                  |
| 1 1/2"     | 25 - 60                   |
| 3/4"       | 0 - 20                    |
| 3/8"       | 0 - 5                     |

**OPERATION & MAINTENANCE:**

1. MONITOR TRACKING PADS FOR COMPACTION, SOIL DEPOSITS, AND MIXING OF UNDERLYING SOILS AND STONE LAYERS.
2. MAINTAIN A LOOSENED, ROUGH SURFACE BY SCRAPING, LOOSENING, OR TOP-DRESSING WITH ADDITIONAL AGGREGATE.
3. REPLACE GEOTEXTILE AND STONE IF LESS-INTENSIVE MAINTENANCE EFFORTS FAIL TO REESTABLISH EFFECTIVENESS.
4. ADD STONE AS NEEDED TO MAINTAIN THE MINIMUM PAD THICKNESS.
5. REPLACE DAMAGED OR CRUSHED CULVERTS UNDER TRACKING PAD.

**1 STONE TRACKING PAD**

C901 SCALE: NTS

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Project Name:

Revisions:

Project #: 22.055  
Issued For: REVIEW  
Date: 07/11/2023

Sheet Number

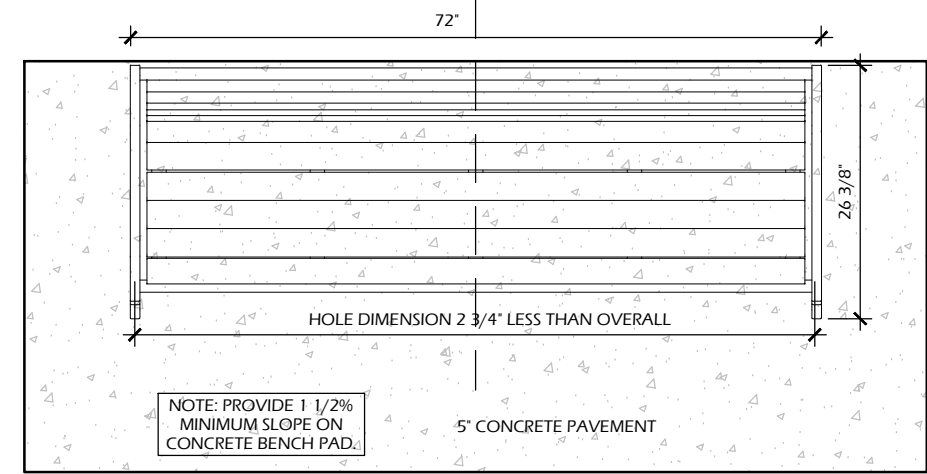
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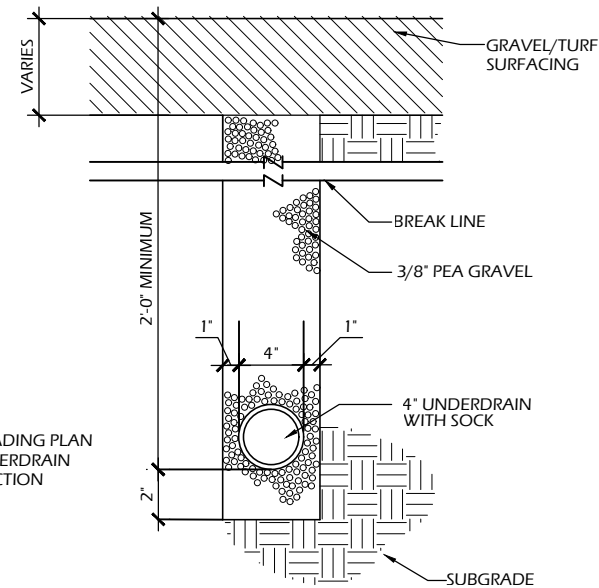


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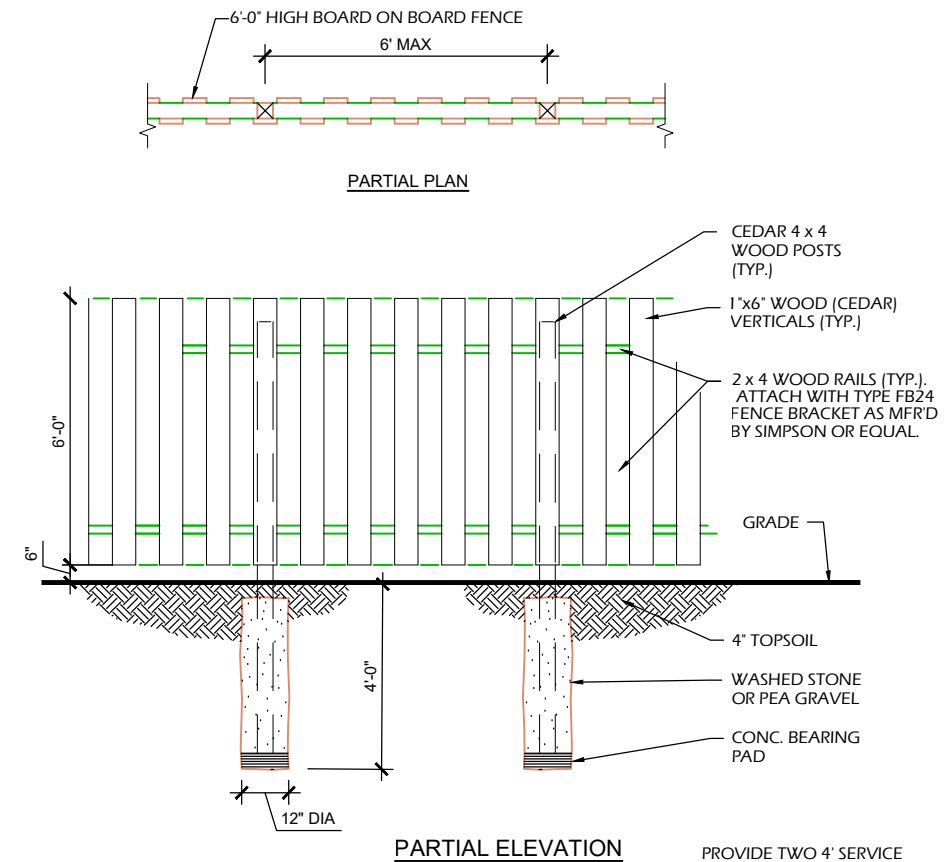
**2 BENCH**  
C903 SCALE: NTS

NOTE: PROVIDE FASTENERS AND INSTALLATION OF BENCHES AS SHOWN. IF INSTALLED ON PAVERS, DO NOT ANCHOR.



**3 UNDERDRAIN**  
C903 SCALE: NTS

NOTE: SEE GRADING PLAN FOR 4" UNDERDRAIN CONNECTION



**1 SCREEN FENCING**  
C903 SCALE: NTS

Project Name:

Revisions:

Project #: 22.055  
Issued For: REVIEW  
Date: 07/11/2023

Sheet Number

**C903**



## ELECTRICAL SYMBOLS, ABBREVIATIONS AND NOTES:

- SYMBOLS INDICATED HERE AND NOT USED IN THE CONTRACT DOCUMENTS DO NOT APPLY TO THIS PROJECT. ADDITIONAL SYMBOLS MAY BE INDICATED IN THE CONTRACT DOCUMENTS.
- EXISTING TO REMAIN IS SHOWN WITH SOLID LIGHT LINES. NEW WORK IS SHOWN WITH SOLID HEAVY LINES.
- SEE PROJECT SPECIFICATIONS AND ONE-LINES FOR DEVICE/EQUIPMENT RATINGS.
- ALL MOUNTING HEIGHTS LISTED BELOW OR SHOWN ON DETAIL SHEETS ARE FOR STANDARD INSTALLATIONS. DEVIATIONS TO THE STANDARD MOUNTING HEIGHT MAY OCCUR. REFER TO THE ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHT OF DEVICES.
- ALL DIMENSIONS ARE TO THE CENTER OF BOX.
- COORDINATE WORK SHOWN IN THIS DRAWING SET WITH ALL PROJECT DRAWINGS.

### EQUIPMENT AND WIRING

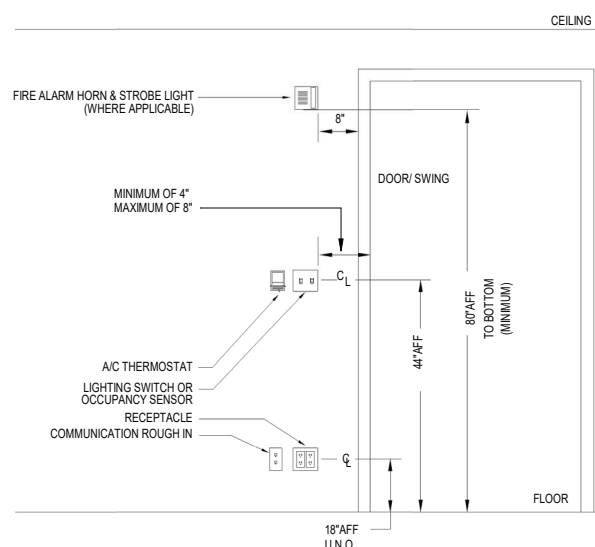
|  |                                            |  |                              |
|--|--------------------------------------------|--|------------------------------|
|  | TRANSFORMER                                |  | REMOTE GENERATOR ANNUNCIATOR |
|  | GROUND CONNECTION                          |  | PUSH BUTTON                  |
|  | GROUND BAR                                 |  | ENGINE GENERATOR SET         |
|  | NON FUSED DISCONNECT SWITCH                |  | AUTOMATIC TRANSFER SWITCH    |
|  | FUSED DISCONNECT SWITCH                    |  | MOTOR CONNECTION             |
|  | STARTER/DISCONNECT SWITCH                  |  | BRANCH CIRCUIT PANEL         |
|  | CIRCUIT BREAKER DISCONNECT                 |  | DISTRIBUTION PANELBOARD      |
|  | MANUAL MOTOR STARTER W/OVERLOAD PROTECTION |  |                              |
|  | F = FLUSH MOUNT                            |  |                              |
|  | S = SURFACE MOUNT                          |  |                              |
|  | JUNCTION BOX                               |  | JUNCTION BOX - WALL          |

### RECEPTACLES

|  |                                                                                     |  |                                                                                                                                                                                          |
|--|-------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | DUPLEX RECEPTACLE<br>MOUNTING LOCATION: WALL<br>MOUNTING HEIGHT: 1'-6"              |  | DUPLEX RECEPTACLE - CEILING MOUNTED<br>MOUNTING LOCATION: CEILING                                                                                                                        |
|  | DUPLEX RECEPTACLE<br>MOUNTING LOCATION: WALL<br>+XX = MOUNTING HEIGHT (IN INCHES)   |  | FLOOR BOX (OR POKE THROUGH)<br>MOUNTING LOCATION: FLOOR                                                                                                                                  |
|  | DUPLEX RECEPTACLE WEATHERPROOF<br>MOUNTING LOCATION: WALL<br>MOUNTING HEIGHT: 1'-6" |  | DUPLEX RECEPTACLE, UPPER HALF SWITCHED,<br>LOWER HALF HOT<br>MOUNTING LOCATION: WALL<br>MOUNTING HEIGHT: 1'-6"                                                                           |
|  | SINGLE RECEPTACLE<br>MOUNTING LOCATION: WALL<br>MOUNTING HEIGHT: 1'-6"              |  | TV OUTLET WITH 120V DUPLEX RECEPTACLE IN COMMON<br>2 GANG BOX WITH LOW VOLTAGE BARRIER AND COMMON PLATE.<br>TV BY OWNER.<br>MOUNTING LOCATION: WALL<br>+XX = MOUNTING HEIGHT (IN INCHES) |
|  | DOUBLE DUPLEX RECEPTACLE<br>MOUNTING LOCATION: WALL<br>MOUNTING HEIGHT: 1'-6"       |  |                                                                                                                                                                                          |

### LIGHTING

|  |                                                                         |  |                                                                                   |
|--|-------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------|
|  | WALL MOUNTED LINEAR<br>MOUNTING LOCATION: WALL                          |  | RECESSED MOUNTED<br>MOUNTING LOCATION: CEILING                                    |
|  | SURFACE LINEAR<br>MOUNTING LOCATION: CEILING                            |  | WALL MOUNTED<br>MOUNTING LOCATION: WALL                                           |
|  | SUSPENDED LINEAR<br>MOUNTING LOCATION: CEILING                          |  | PENDANT AND/OR SURFACE                                                            |
|  | RECESSED GRID MOUNTED<br>MOUNTING LOCATION: CEILING                     |  | SHADING DESIGNATES EMERGENCY POWER SOURCE (EITHER GENERATOR OR BATTERY)           |
|  | 1x4 RECESSED GRID MOUNTED<br>MOUNTING LOCATION: CEILING                 |  | DIRECTIONAL INDICATOR<br>ADDED TO FIXTURE SYMBOL<br>TO DESIGNATE AIMING DIRECTION |
|  | 2x2 RECESSED GRID MOUNTED<br>MOUNTING LOCATION: CEILING                 |  | EXIT DIRECTIONAL ARROW                                                            |
|  | SURFACE MOUNTED<br>MOUNTING LOCATION: CEILING                           |  | SINGLE FACE EXIT FIXTURE<br>MOUNTING LOCATION: CEILING                            |
|  | SHADING DESIGNATES EMERGENCY POWER SOURCE (EITHER GENERATOR OR BATTERY) |  | DOUBLE FACE EXIT FIXTURE<br>MOUNTING LOCATION: CEILING                            |
|  | TRACK MOUNTING LOCATION: AS NOTED                                       |  | SINGLE FACE EXIT FIXTURE<br>MOUNTING LOCATION: WALL                               |
|  | PHOTO EYE<br>MOUNTING LOCATION: WALL                                    |  | MOUNTING LOCATION: WALL<br>DOUBLE FACE EXIT FIXTURE                               |
|  |                                                                         |  | DOUBLE HEAD EMERGENCY<br>FIXTURE WITH BATTERY PACK                                |



GENERAL NOTES:  
1) ALL DEVICES SHALL BE ALIGNED TO BE AN EQUAL DISTANCE FROM DOORWAY, DOOR SWING, WALL, ETC.

### LIGHTING CONTROL DEVICES

SEE LIGHTING CONTROL DEVICE SCHEDULE FOR MORE INFORMATION.

|  |                                                                            |  |                                                                                                           |
|--|----------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------|
|  | LIGHTING CONTACTOR<br>MOUNTING LOCATION: WALL<br>MOUNTING HEIGHT: AS NOTED |  | KEY SWITCH<br>MOUNTING LOCATION: WALL<br>MOUNTING HEIGHT: 4'-0"                                           |
|  | DIMMER<br>MOUNTING LOCATION: WALL<br>MOUNTING HEIGHT: 4'-0"                |  | MOMENTARY CONTACT SWITCH<br>MOUNTING LOCATION: WALL<br>MOUNTING HEIGHT: 4'-0"                             |
|  | PILOT LIGHT SWITCH<br>MOUNTING LOCATION: WALL<br>MOUNTING HEIGHT: 4'-0"    |  | LOW VOLTAGE SWITCH<br>MOUNTING LOCATION: WALL<br>MOUNTING HEIGHT: 4'-0"<br>a,b = SWITCH DESIGNATION(S)    |
|  | SINGLE POLE SWITCH<br>MOUNTING LOCATION: WALL<br>MOUNTING HEIGHT: 4'-0"    |  | REMOTE CONTROL FOR MOTORIZED DAMPER<br>MOUNTING LOCATION: WALL<br>MOUNTING HEIGHT: 4'-0"                  |
|  | TWO POLE SWITCH<br>MOUNTING LOCATION: WALL<br>MOUNTING HEIGHT: 4'-0"       |  | SINGLE POLE<br>FIRE PLACE CHIMNEY FAN PROVING SWITCH<br>MOUNTING LOCATION: WALL<br>MOUNTING HEIGHT: 4'-0" |
|  | THREE WAY SWITCH<br>MOUNTING LOCATION: WALL<br>MOUNTING HEIGHT: 4'-0"      |  | SINGLE POLE<br>FIRE PLACE GAS SOLENOID SWITCH<br>MOUNTING LOCATION: WALL<br>MOUNTING HEIGHT: 4'-0"        |
|  | FOUR WAY SWITCH<br>MOUNTING LOCATION: WALL<br>MOUNTING HEIGHT: 4'-0"       |  | SINGLE POLE WEATHERPROOF SWITCH<br>MOUNTING LOCATION: WALL<br>MOUNTING HEIGHT: 4'-0"                      |
|  | CEILING MOUNTED OCCUPANCY SENSOR                                           |  | OCCUPANCY SENSOR SWITCH<br>MOUNTING LOCATION: WALL<br>MOUNTING HEIGHT: 4'-0"                              |
|  | CEILING MOUNTED DAYLIGHT SENSOR                                            |  |                                                                                                           |

### SHEET SYMBOLS

|  |                                                                                                     |  |                                                                                                  |
|--|-----------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------|
|  | LINE CONTINUE BREAK                                                                                 |  | ELEVATION DESIGNATION                                                                            |
|  | DETAILS AND SECTIONS DESIGNATION                                                                    |  | EQUIPMENT DESIGNATION<br>TOP DESIGNATES EQUIPMENT<br>ABBREVIATION BOTTOM DESIGNATES<br>EQUIPMENT |
|  | NEW WORK CONNECTION TO EXISTING<br>WORK DESIGNATION                                                 |  | PLAN CONTINUATION DESIGNATION                                                                    |
|  | DETAIL REFERENCE TOP DESIGNATES DETAIL<br>NUMBER BOTTOM DESIGNATES ON WHICH<br>SHEET DETAIL APPEARS |  | REVISION NUMBER DESIGNATION                                                                      |
|  | KEYED NOTE DESIGNATION                                                                              |  |                                                                                                  |
|  | SECTION REFERENCE TOP DESIGNATES SECTION NUMBER<br>BOTTOM DESIGNATES ON WHICH SHEET SECTION APPEARS |  |                                                                                                  |
|  | SECTION REFERENCE TOP DESIGNATES SECTION NUMBER<br>BOTTOM DESIGNATES ON WHICH SHEET SECTION APPEARS |  |                                                                                                  |

### ABBREVIATIONS

| Abbreviation | Description                                 |
|--------------|---------------------------------------------|
| A            | AMPRES                                      |
| AC           | ABOVE COUNTER TOP                           |
| ACT          | ACOUSTICAL CEILING TILE                     |
| ADA          | AMERICANS WITH DISABILITIES ACT             |
| AF           | AMPERE FRAME                                |
| AFF          | ABOVE FINISHED FLOOR                        |
| AFG          | ABOVE FINISHED GRADE                        |
| AIC          | AMP INTERRUPTING CAPACITY                   |
| ALT          | ALTERNATIVE / ALTERNATE                     |
| ALUM         | ALUMINUM                                    |
| AP           | ACCESS PANEL                                |
| ARCH         | ARCHITECT / ARCHITECTURAL                   |
| ASC          | ABOVE SUSPENDED CEILING                     |
| AT           | AMPERE TRIP                                 |
| AUTO         | AUTOMATIC                                   |
| BATS         | BYPASS AUTOMATIC TRANSFER SWITCH            |
| BC           | BARE COPPER                                 |
| BFC          | BELOW FINISHED CEILING                      |
| BFF          | BELOW FINISHED FLOOR                        |
| BFL          | BELOW FLOOR LEVEL                           |
| BLDG         | BUILDING                                    |
| BLKG         | BLOCKING                                    |
| BO           | BOTTOM OF                                   |
| BRKR         | BREAKER                                     |
| BT           | BATH TUB                                    |
| CB           | CIRCUIT BREAKER                             |
| CCT          | CIRCUIT                                     |
| CD           | CEILING DIFFUSER                            |
| CFOI         | CONTRACTOR FURNISHED / OWNER INSTALLED      |
| CFCI         | CONTRACTOR FURNISHED / CONTRACTOR INSTALLED |
| CL           | CENTER LINE                                 |
| CLG          | CEILING                                     |
| CLR          | CLEAR(ANCE)                                 |
| CMU          | CONCRETE MASONRY UNIT                       |
| CND          | CONDUIT                                     |
| CO           | CLEAN OUT                                   |
| CONC         | CONCRETE                                    |
| CONT         | CONTINUOUS / CONTINUE                       |
| CONTR        | CONTRACTOR                                  |
| CR           | CONTROL RELAY                               |
| CT           | CURRENT TRANSFORMER                         |
| CW           | COLD WATER SUPPLY                           |
| CWFU         | COLD WATER FIXTURE UNITS                    |
| DB           | DIRECT BURIAL                               |
| DBC          | DESIGN BUILD CONTACTOR                      |
| DC           | DIRECT CURRENT                              |
| DED          | DEDICATED                                   |
| DET          | DETAIL                                      |
| DF           | DRINKING FOUNTAIN                           |
| DIA          | DIAMETER                                    |
| DISC         | DISCONNECT                                  |
| DIV          | DIVISION                                    |
| DN           | DOWN                                        |
| DP           | DISTRIBUTION PANEL                          |
| DS           | DISCONNECT SWITCH                           |
| DUC          | DOOR UNDER CUT                              |
| DWGS         | DRAWINGS                                    |
| EA           | EXISTING                                    |
| EC           | ELECTRICAL CONTRACTOR                       |
| EDB          | ELECTRIC DUCT BANK                          |
| EG           | EQUIPMENT GROUND                            |
| EG           | EXHAUST GRILLE                              |
| EGS          | ENGINE GENERATOR SET                        |
| EJ           | EXPANSION JOINT                             |
| EL           | ELEVATION                                   |
| ELEC         | ELECTRICAL                                  |
| ELEC         | ELECTRICAL/ELECTRICAL                       |
| ELL          | EMERGENCY LIFE SAFETY LIGHTING              |
| ELP          | EMERGENCY LIFE SAFETY POWER                 |
| EMER         | EMERGENCY                                   |
| EMI          | ELECTROMAGNETIC INTERFERENCE                |
| EMT          | ELECTRICAL METALLIC TUBING                  |
| EQ           | EQUAL                                       |
| EQUIP        | EQUIPMENT                                   |
| ES           | EQUIPMENT SUPPLIER                          |
| ETR          | EXISTING TO REMAIN                          |
| EW           | ELECTRICAL WATER COOLER                     |
| EWHR         | ELECTRIC WATER HEATER                       |
| EXP          | EXPOSED                                     |
| EXT          | EXTERIOR                                    |
| FA           | FIRE ALARM                                  |
| FACP         | FIRE ALARM CONTROL PANEL                    |
| FCO          | FLOOR CLEANOUT                              |
| FCU          | FAN COIL UNIT                               |
| FD           | FLOOR DRAIN                                 |
| FDR          | FEEDER                                      |
| FDS          | FUSED DISCONNECT SWITCH                     |
| FE / FEC     | FIRE EXTINGUISHER (CABINET)                 |
| FF / FFE     | FINISH FLOOR (ELEVATION)                    |
| FF&E         | FIXTURES, FURNISHINGS & EQUIPMENT           |
| FFA          | FROM FLOOR ABOVE                            |
| FFB          | FROM FLOOR BELOW                            |
| FI           | FILM ILLUMINATOR                            |
| FIN          | FINISH                                      |
| GA           | GAUGE                                       |
| GALV         | GALVANIZED                                  |
| GC           | GENERAL CONTRACTOR                          |
| GD           | GARBAGE DISPOSER                            |
| GFCI         | GROUND FAULT CIRCUIT INTERRUPTER            |
| GFI          | GROUND FAULT INTERRUPTER                    |
| GFP          | GROUND FAULT PROTECTION                     |
| GI           | GREASE INTERCEPTOR                          |
| GND          | GROUND                                      |
| GPM          | GALLONS PER MINUTE                          |
| GRC          | GALVANIZED RIGID CONDUIT                    |
| GTB          | GROUND TERMINAL BOX                         |
| HB           | HOSE BIBB                                   |
| HC           | HVAC CONTRACTOR                             |
| HD           | HUB DRAIN                                   |
| HDWR         | HARDWARE                                    |
| HH           | HANDHOLE                                    |
| HOA          | HAND OFF AUTOMATIC                          |
| HP           | HORSE POWER                                 |
| HT           | HEIGHT/HEAT TRACE                           |
| HV           | HIGH VOLTAGE                                |
| HW           | HOT WATER SUPPLY                            |
| HWCP         | HOT WATER RECIRCULATION PUMP                |
| HWFU         | HOT WATER FIXTURE UNITS                     |
| ID           | INSIDE DIAMETER                             |
| IE           | INVERT ELEVATION                            |
| IG           | ISOLATED GROUND                             |
| IMC          | INTERMEDIATE METAL CONDUIT                  |
| INCAND       | INCANDESCENT                                |
| INSUL        | INSULATION                                  |
| INT          | INTERIOR                                    |
| JB           | JUNCTION BOX                                |
| KO           | KNOCK-OUT                                   |
| KS           | KITCHEN SINK                                |
| KV           | KILOVOLT                                    |
| KVA          | KILOVOLT-AMPRES                             |
| KW           | KILOWATT                                    |
| KWH          | KILOWATT HOURS                              |
| L            | LAVATORY                                    |
| LAN          | LOCAL AREA NETWORK                          |
| LED          | LIGHT EMITTING DIODE                        |
| LGT          | LIGHT FIXTURE                               |
| LTCP         | LOCAL TEMPERATURE CONTROL PANEL             |
| LTG          | LIGHTING                                    |
| LTS          | LIGHTS                                      |
| LV           | LOW VOLTAGE                                 |
| MAS          | MASONRY                                     |
| MATL         | MATERIAL                                    |
| MAX          | MAXIMUM                                     |
| MC           | MECHANICAL CONTRACTOR                       |
| MCB          | MAIN CIRCUIT BREAKER                        |
| MCC          | MOTOR CONTROL CENTER                        |
| MCP          | MOTOR CIRCUIT PROTECTOR                     |
| MDF          | MEDIUM DENSITY FIBERBOARD                   |
| MDP          | MAIN DISTRIBUTION PANEL                     |
| MECH         | MECHANICAL                                  |
| MG           | METAL GRATE                                 |
| MH           | MANHOLE                                     |
| MIN          | MINIMUM                                     |
| MLO          | MAIN LUGS ONLY                              |
| MPTB         | MUSIC AND PAGE TERMINAL BOX                 |
| MTD          | MOUNTED                                     |
| MTG          | MOUNTING                                    |
| MTG          | MOUNTING HEIGHT                             |
| HGT          | HEIGHT                                      |
| MTL          | METAL                                       |
| MTR          | MOTOR / METER                               |
| MV           | MEDIUM VOLTAGE                              |
| NA           | NOT APPLICABLE                              |
| NC           | NEW CONNECTION/NORMALLY CLOSED              |
| NFD          | NON-FUSED DISCONNECT                        |
| NFSS         | NON-FUSED SAFETY SWITCH                     |
| NIC          | NOT IN CONTRACT                             |
| NL           | NIGHT LIGHT                                 |
| NO           | NORMALLY OPEN                               |
| NTS          | NOT TO SCALE                                |
| OC           | (ON CENTER(S))                              |
| OD           | OUTSIDE DIAMETER                            |
| OED          | OPEN ENDED DUCT                             |
| OFCI         | OWNER FURNISHED / CONTRACTOR INSTALLED      |
| OFOI         | OWNER FURNISHED / OWNER INSTALLED           |
| OFS          | OVERFLOW SCUPPER                            |
| OH           | OVERHEAD                                    |
| OPNG         | OPENING                                     |

| Abbreviation | Description                            |
|--------------|----------------------------------------|
| FIXT         | FIXTURE                                |
| FL           | AT FLOOR LINE                          |
| FL / FLR     | FLOOR(LINE)                            |
| FLA          | FULL LOAD AMPRES                       |
| FLEX         | FLEXIBLE                               |
| FLOUR        | FLOURESCENT                            |
| FS           | FLOW SWITCH                            |
| FSS          | FUSED SAFETY SWITCH                    |
| GA           | GAUGE                                  |
| GALV         | GALVANIZED                             |
| GC           | GENERAL CONTRACTOR                     |
| GD           | GARBAGE DISPOSER                       |
| GFCI         | GROUND FAULT CIRCUIT INTERRUPTER       |
| GFI          | GROUND FAULT INTERRUPTER               |
| GFP          | GROUND FAULT PROTECTION                |
| GI           | GREASE INTERCEPTOR                     |
| GND          | GROUND                                 |
| GPM          | GALLONS PER MINUTE                     |
| GRC          | GALVANIZED RIGID CONDUIT               |
| GTB          | GROUND TERMINAL BOX                    |
| HB           | HOSE BIBB                              |
| HC           | HVAC CONTRACTOR                        |
| HD           | HUB DRAIN                              |
| HDWR         | HARDWARE                               |
| HH           | HANDHOLE                               |
| HOA          | HAND OFF AUTOMATIC                     |
| HP           | HORSE POWER                            |
| HT           | HEIGHT/HEAT TRACE                      |
| HV           | HIGH VOLTAGE                           |
| HW           | HOT WATER SUPPLY                       |
| HWCP         | HOT WATER RECIRCULATION PUMP           |
| HWFU         | HOT WATER FIXTURE UNITS                |
| ID           | INSIDE DIAMETER                        |
| IE           | INVERT ELEVATION                       |
| IG           | ISOLATED GROUND                        |
| IMC          | INTERMEDIATE METAL CONDUIT             |
| INCAND       | INCANDESCENT                           |
| INSUL        | INSULATION                             |
| INT          | INTERIOR                               |
| JB           | JUNCTION BOX                           |
| KO           | KNOCK-OUT                              |
| KS           | KITCHEN SINK                           |
| KV           | KILOVOLT                               |
| KVA          | KILOVOLT-AMPRES                        |
| KW           | KILOWATT                               |
| KWH          | KILOWATT HOURS                         |
| L            | LAVATORY                               |
| LAN          | LOCAL AREA NETWORK                     |
| LED          | LIGHT EMITTING DIODE                   |
| LGT          | LIGHT FIXTURE                          |
| LTCP         | LOCAL TEMPERATURE CONTROL PANEL        |
| LTG          | LIGHTING                               |
| LTS          | LIGHTS                                 |
| LV           | LOW VOLTAGE                            |
| MAS          | MASONRY                                |
| MATL         | MATERIAL                               |
| MAX          | MAXIMUM                                |
| MC           | MECHANICAL CONTRACTOR                  |
| MCB          | MAIN CIRCUIT BREAKER                   |
| MCC          | MOTOR CONTROL CENTER                   |
| MCP          | MOTOR CIRCUIT PROTECTOR                |
| MDF          | MEDIUM DENSITY FIBERBOARD              |
| MDP          | MAIN DISTRIBUTION PANEL                |
| MECH         | MECHANICAL                             |
| MG           | METAL GRATE                            |
| MH           | MANHOLE                                |
| MIN          | MINIMUM                                |
| MLO          | MAIN LUGS ONLY                         |
| MPTB         | MUSIC AND PAGE TERMINAL BOX            |
| MTD          | MOUNTED                                |
| MTG          | MOUNTING                               |
| MTG          | MOUNTING HEIGHT                        |
| HGT          | HEIGHT                                 |
| MTL          | METAL                                  |
| MTR          | MOTOR / METER                          |
| MV           | MEDIUM VOLTAGE                         |
| NA           | NOT APPLICABLE                         |
| NC           | NEW CONNECTION/NORMALLY CLOSED         |
| NFD          | NON-FUSED DISCONNECT                   |
| NFSS         | NON-FUSED SAFETY SWITCH                |
| NIC          | NOT IN CONTRACT                        |
| NL           | NIGHT LIGHT                            |
| NO           | NORMALLY OPEN                          |
| NTS          | NOT TO SCALE                           |
| OC           | (ON CENTER(S))                         |
| OD           | OUTSIDE DIAMETER                       |
| OED          | OPEN ENDED DUCT                        |
| OFCI         | OWNER FURNISHED / CONTRACTOR INSTALLED |
| OFOI         | OWNER FURNISHED / OWNER INSTALLED      |
| OFS          | OVERFLOW SCUPPER                       |
| OH           | OVERHEAD                               |
| OPNG         | OPENING                                |

| Abbreviation | Description                          |
|--------------|--------------------------------------|
| OZ           | OUNCE                                |
| P            | POLE                                 |
| PB           | PULL BOX / PUSHBUTTON                |
| PC           | PLUMBING CONTRACTOR / PHOTOCELL      |
| PDU          | POWER DISTRIBUTION UNIT              |
| PF           | POWER FACTOR                         |
| PH           | PHASE                                |
| PLBG         | PLUMBING                             |
| PLY          | PLYWOOD                              |
| PNL          | PANEL                                |
| POD          | POWER OPERATED DAMPER                |
| PRV          | POWER ROOF VENTILATOR                |
| PT           | POTENTIAL TRANSFORMER                |
| PTRV         | POWER TYPE ROOF VENTILATOR           |
| PWR          | POWER                                |
| QTY          | QUANTITY                             |
| R            | RISER                                |
| RAD          | RADIUS                               |
| RCP          | RECIRCULATING PUMP                   |
| RD           | ROOF DRAIN                           |
| REC          | RECESSED                             |
| RECEPT       | RECEPTACLE                           |
| REF          | REFERENCE / REFER TO                 |
| REL          | RELOCATE                             |
| REQD         | REQUIRED                             |
| RGIP         | REMOTE GROUND INDICATOR PANEL        |
| RO           | ROUGH OPENING                        |
| RTU          | ROOF TOP UNIT                        |
| SD           | SUPPLY DIFFUSER                      |
| SF           | SQUARE FOOT/FEET                     |
| SH           | SHOWER                               |
| SHT          | SHEET                                |
| SIG          | SIGNAL                               |
| SIM          | SIMILAR                              |
| SP           | SUMP PUMP                            |
| SPEC         | SPECIFICATION                        |
| SS           | SAFETY SWITCH / STAINLESS STEEL      |
| STA          | STATION                              |
| STR          | STARTER                              |
| SUSP         | SUSPENDED                            |
| SW           | SWITCH                               |
| SWBD         | SWITCHBOARD                          |
| SWGR         | SWITCHGEAR                           |
| SYST         | SYSTEM                               |
| TCC          | TEMPERATURE CONTROLS CONTRACTOR      |
| TCP          | TEMPERATURE CONTROL PANEL            |
| TEL          | TELEPHONE                            |
| TFA          | TO FLOOR ABOVE                       |
| TFB          | TO FLOOR BELOW                       |
| TG           | TRANSFER GRILLE                      |
| TB           | TOP OF BEAM                          |
| TCC          | TOP OF CONCRETE                      |
| TDD          | TOP OF DECK                          |
| TOOB         | TOP OF DUCTBANK                      |
| TOF          | TOP OF FOOTING                       |
| TOMH         | TOPP OF MANHOLE                      |
| TOP          | TOP OF PARAPET                       |
| TOS          | TOP OF STEEL                         |
| TOW          | TOP OF WALL                          |
| TPART        | TOILET PARTITION                     |
| TS           | TAMPER SWITCH / TIME SWITCH          |
| TVSS         | TELEVISION VOLTAGE SURGE SUPPRESSION |
| TYP          | TYPICAL                              |
| UC           | UNDER COUNTER                        |
| UF           | UNDER FLOOR                          |
| UG           | UNDERGROUND                          |
| UH           | UNIT HEATER                          |
| UNO          | UNLESS NOTED OTHERWISE               |
| UPS          | UNINTERRUPTED POWER SUPPLY           |
| V            | VOLTAGE / VENT                       |
| VFD          | VARIABLE FREQUENCY DRIVE             |
| VIF          | VERIFY IN FIELD                      |
| VP           | VAPOR PROOF                          |
| VS           | VENT STACK                           |
| VTR          | VENT THROUGH ROOF                    |
| W            | WIRE                                 |
| W            | WITH                                 |
| WC           | WATER CLOSET                         |
| WCO          | WALL CLEANOUT                        |
| WH           | WALL HYDRANT                         |
| WH           | WATER HEATER                         |
| WP           | WEATHERPROOF                         |
| WS           | WATER SOFTENER                       |
| WT           | WATER TIGHT                          |
| XFMR         | TRANSFORMER                          |
| XP           | EXPLOSION PROOF                      |
| #            | NUMBER / POUND                       |
| &            | AND                                  |
| @            | AT                                   |

## COMMUNITY PARK IMPROVEMENTS

HUGHETTE ROAD  
RIDGWAY, WI 53582

Project Name: COMMUNITY PARK IMPROVEMENTS

Project #: 20235700

Issued For: 07/10/23

Date: 07/10/23

Sheet Number: E001

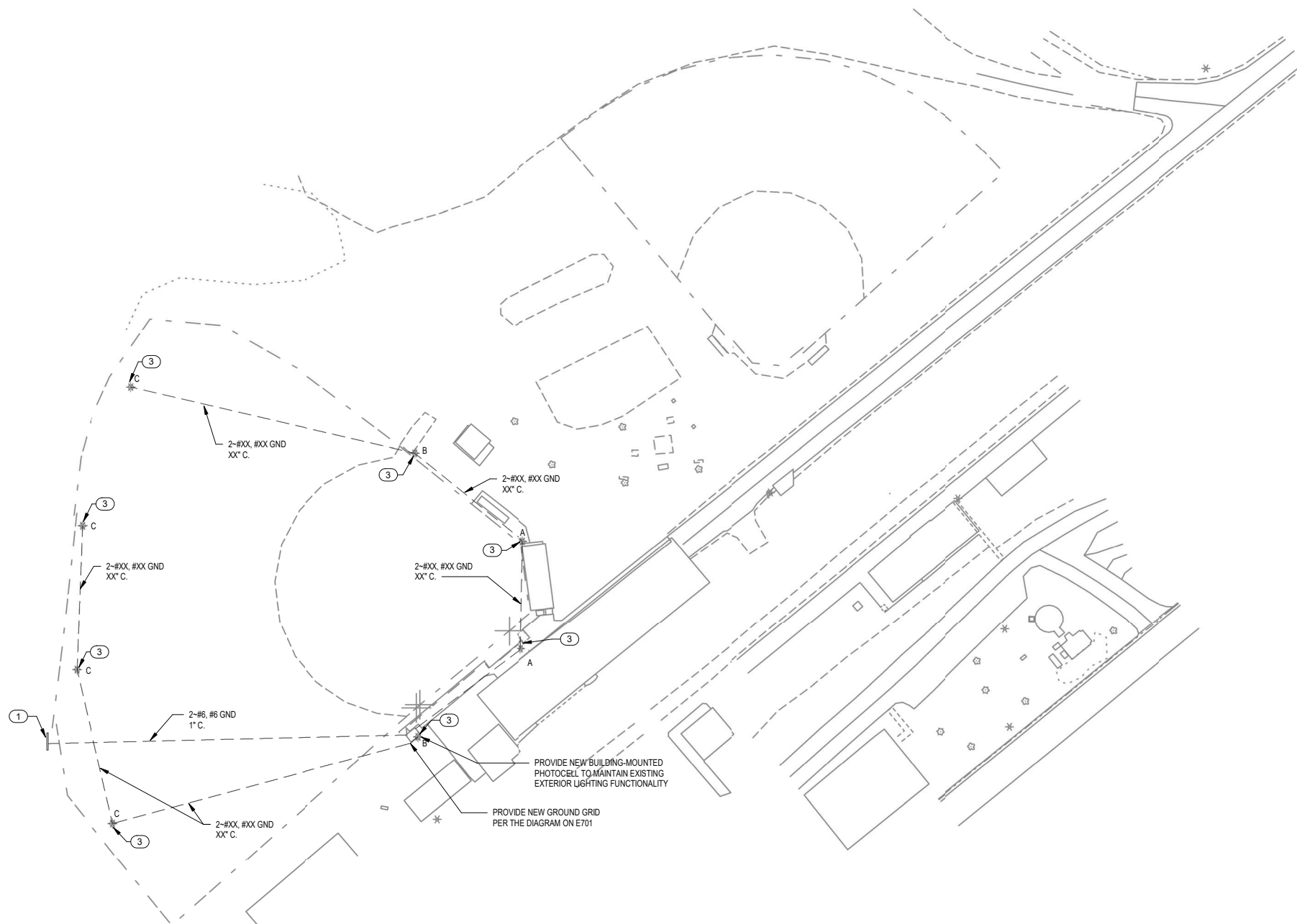
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**1 ELECTRICAL SITE**  
E100 SCALE: 1" = 20'-0"

**ELECTRICAL GENERAL NOTES:**

1. GENERAL NOTES AND KEYED NOTES ARE TYPICAL ACROSS ALL DRAWINGS. KEYED NOTES MAY NOT BE USED OR BE APPLICABLE TO ALL DRAWINGS. REFER TO DRAWING E001 FOR ADDITIONAL NOTES.
2. HANDHOLES AND PULL BOXES ARE NOT SPECIFICALLY SHOWN. ELECTRICAL CONTRACTOR SHALL PROVIDE HANDHOLES AND PULL BOXES MOUNTED TO POLES, QUANTITIES AND SIZES AS REQUIRED BY CONTRACTOR, FOR A COMPLETE AND FUNCTIONAL INSTALLATION. IF HANDHOLES ARE PROVIDED THEY SHALL BE LOCATED OUTSIDE OF THE BALL DIAMOND FENCE LINES TO NOT IMPEDE PLAY.
3. ALL CONDUIT ROUTES ON THIS DRAWING ARE SCHEMATIC ONLY. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONDUITS, INCLUDING THOSE NOT SPECIFICALLY SHOWN, FOR A COMPLETE AND FUNCTIONAL INSTALLATION.

**ELECTRICAL KEYED NOTES:**

- ① SCOREBOARD. PROVIDE NEW LOCKABLE DISCONNECTING MEANS IN ACCORDANCE WITH THE NEC. DISCONNECTING MEANS NOT SPECIFICALLY SHOWN.
- ② ELECTRICAL BUILDING. PROVIDE NEW PANELBOARD AS SCHEDULED ON E701. NEW NEMA 5-20R RECEPTACLE WITH GFCI PROTECTION, SURFACE-MOUNTED STRIP LIGHT (LITHONIA CSS-L48-400LM-MVOLT-35K-80CRI, OR EQUAL) WITH TOGGLE ON-OFF WALL SWITCH, LIGHTING TIMECLOCK (INTERMATIC T101, OR EQUAL), TYPE 2 SPD (L-N: 700V, L-G: 1000V, L-L: 1000V, SCCR: 100 KA, 20 KA NOMINAL RATING, EATON, SQUARE D, LEVITON, LIEBERT, ABB, OR EQUAL. CONFIRM CIRCUIT BREAKER SIZE IN PANELBOARD WITH SPD MANUFACTURER PRIOR TO ORDERING) AND INSTALL MANUFACTURER-FURNISHED BALL DIAMOND LIGHTING CONTROL PANEL WITH LIGHTING CONTACTORS. EQUIPMENT SHALL TIE INTO EXISTING CIRCUITS AS SHOWN IN THE PANEL SCHEDULE ON E701.
- ③ PROVIDE GROUND ROD AND #6 GROUND WIRE CONNECTOR TO GROUND ROD AND POLE TO GROUND LIGHT POLE IN ACCORDANCE WITH THE NEC.



**Project Name:**  
COMMUNITY PARK IMPROVEMENTS  
HUGHETTE ROAD  
RIDGEMAN, WI 53582  
**Sheet Title:**  
ELECTRICAL SITE

**REVISIONS:**  
ISSUE DESCRIPTION DATE

**Project #:** 20235700  
**Issued For:**  
**Date:** 07/11/2023

**Sheet Number:**  
**E100**

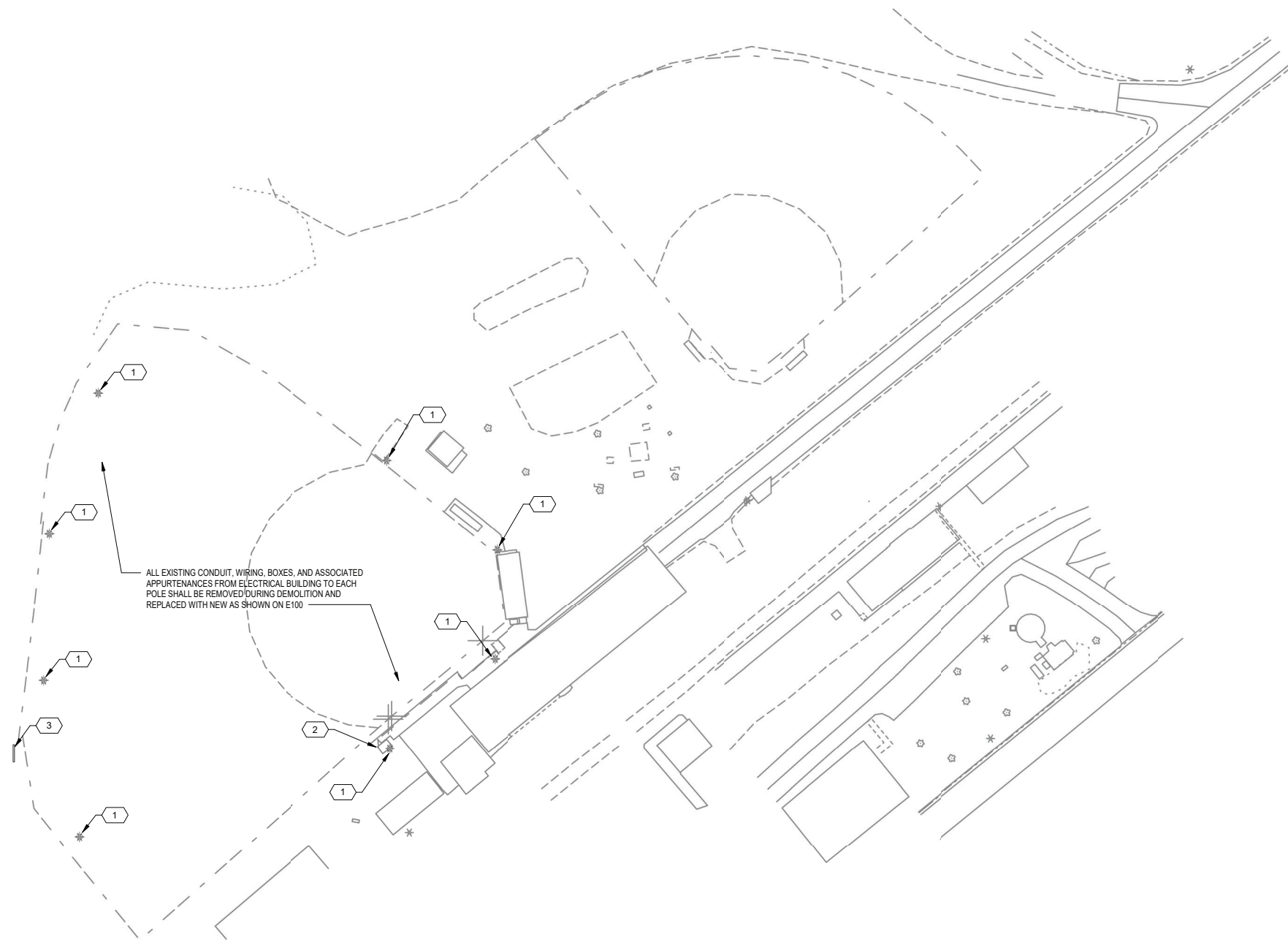


**ELECTRICAL DEMOLITION GENERAL NOTES:**

1. REMOVE ALL EXISTING ELECTRICAL EQUIPMENT AND MATERIALS ASSOCIATED WITH THE ITEMS BEING REMOVED AND SHOWN ON THIS DRAWING, AS WELL AS ALL EXISTING ELECTRICAL DEVICES, MATERIALS, AND EQUIPMENT NOT BEING REUSED.
2. PATCH ALL STRUCTURE HOLES AND DEFORMATIONS RESULTING FROM DEMOLITION WORK TO MATCH EXISTING INSTALLATION.
3. RECONNECT OR ALTER AND EXISTING EXISTING CONDUIT AND WIRING FOR EQUIPMENT AND CIRCUITS EXISTING TO REMAIN TO MAINTAIN EXISTING FUNCTIONALITY.
4. THE LOCATIONS AND ELEVATIONS OF EQUIPMENT AND COMPONENTS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS AND ELEVATIONS OF ALL EXISTING EQUIPMENT AND COMPONENTS IN ORDER TO PERFORM THE CONSTRUCTION SHOWN ON THESE DRAWINGS.
5. NOT ALL EXISTING EQUIPMENT, PIPING, OR CONDUIT SHON. EXISTING EQUIPMENT AND COMPONENTS WERE OBTAINED FROM FIELD MEASUREMENTS. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE ACCURACY OF EXISTING INFORMATION AS REQUIRED FOR NEW CONSTRUCTION.

**ELECTRICAL DEMOLITION KEYED NOTES:**

- 1 REMOVE LIGHT FIXTURES FROM POLE AND ALL ASSOCIATED APPURTENANCES BACK TO SOURCE. POLE SHALL REMAIN FOR INSTALLATION OF NEW LIGHT FIXTURES AND GROUNDING SYSTEM.
- 2 ELECTRICAL BUILDING. REMOVE PANELBOARD, BALL DIAMOND LIGHTING CONTROL PANEL, GROUND GRID, WALL SWITCH, RECEPTACLE, LIGHTING TIMECLOCK, EXTERIOR PHOTOCELL, AND ALL ASSOCIATED CONDUIT, WIRING, AND ASSOCIATED APPURTENANCES. EQUIPMENT SHALL BE REPLACED IN KIND AS SHOWN ON E100.
- 3 SCOREBOARD. REMOVE ASSOCIATED DISCONNECT SWITCH AND CONDUIT AND WIRING BACK TO SOURCE. PREPARE FOR INSTALLATION OF NEW CONDUIT, WIRING, AND DISCONNECT SWITCH AS SHOWN ON E100.



**1 ELECTRICAL SITE DEMO**  
E100D SCALE: 1" = 20'-0"



| REVISIONS: |             |      |
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| ISSUE      | DESCRIPTION | DATE |
|            |             |      |

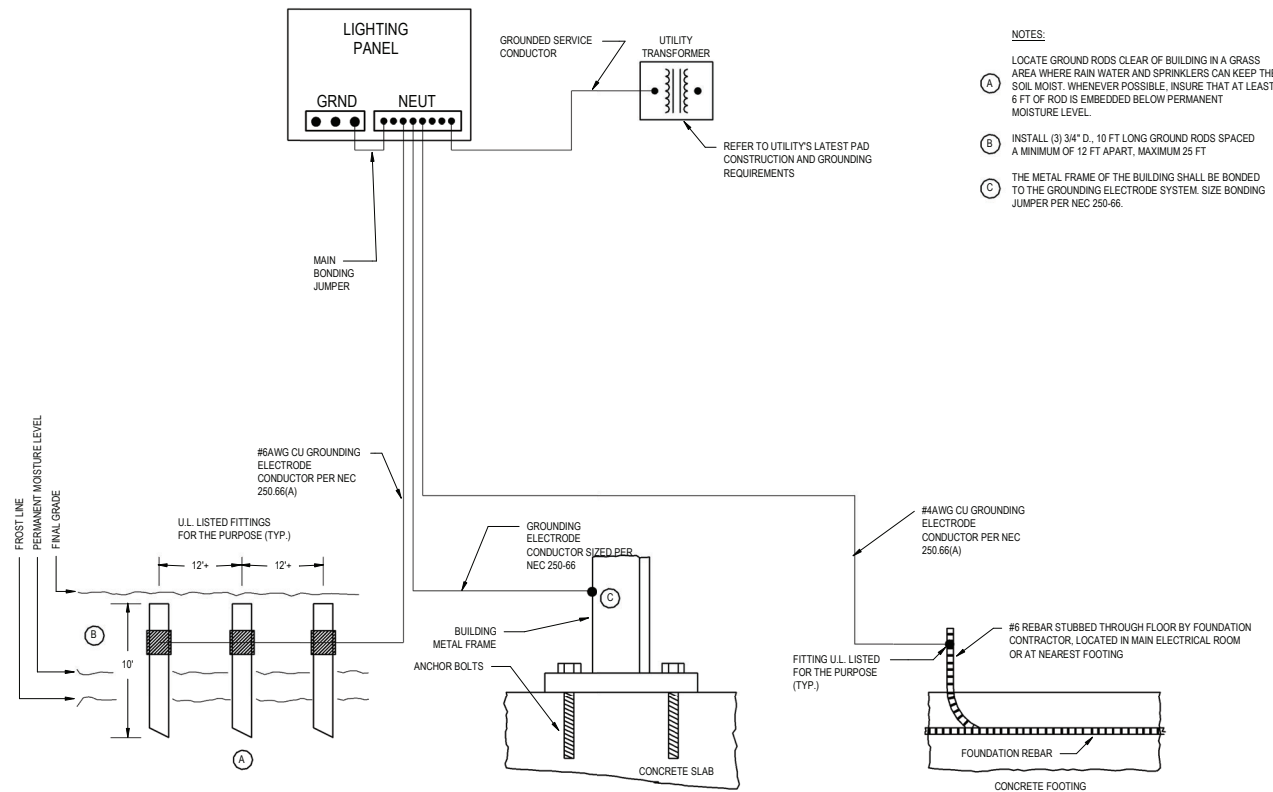
**Project #:** 20235700  
**Issued For:**  
**Date:** 07/11/2023

**Sheet Number**  
**E100D**



| LIGHTING FIXTURE SCHEDULE |                       |                               |                                                                                   |         |          |      |          |                                                                                           |
|---------------------------|-----------------------|-------------------------------|-----------------------------------------------------------------------------------|---------|----------|------|----------|-------------------------------------------------------------------------------------------|
| TYPE                      | DESCRIPTION           | MANUFACTURER                  | MODEL NUMBER                                                                      | VOLTAGE | WATTS    | LAMP | MOUNTING | NOTES                                                                                     |
| A                         | BALL DIAMOND LIGHTING | WILL - WISCONSIN LIGHTING LAB | WS-HD6W-630-67-MV-5N-SAWH-APY-WHP156NP-GLARE w/ WS-PDH & NP-A-ACR-BTP-**-STUD-180 | 240V    | 3,768 KW | LED  | POLE     | LIGHT FIXTURES SHALL BE MOUNTED ON EXISTING POLE USING MANUFACTURER-RECOMMENDED HARDWARE. |
| B                         | BALL DIAMOND LIGHTING | WILL - WISCONSIN LIGHTING LAB | WS-HD6W-630-67-MV-5N-SAWH-APY-WHP156NP-GLARE w/ WS-PDH & NP-A-ACR-BTP-**-STUD-180 | 240V    | 5,024 KW | LED  | POLE     | LIGHT FIXTURES SHALL BE MOUNTED ON EXISTING POLE USING MANUFACTURER-RECOMMENDED HARDWARE. |
| C                         | BALL DIAMOND LIGHTING | WILL - WISCONSIN LIGHTING LAB | WS-HD6W-630-67-MV-5N-SAWH-APY-WHP156NP-GLARE w/ WS-PDH & NP-A-ACR-BTP-**-STUD-180 | 240V    | 3,768 KW | LED  | POLE     | LIGHT FIXTURES SHALL BE MOUNTED ON EXISTING POLE USING MANUFACTURER-RECOMMENDED HARDWARE. |

| LIGHTING PANEL                                      |      |       |        |                   |         |                                                            |         |                            |      |       |                                     |
|-----------------------------------------------------|------|-------|--------|-------------------|---------|------------------------------------------------------------|---------|----------------------------|------|-------|-------------------------------------|
| Service: 120/240V, 1ø, 3W                           |      |       |        | Enclosure: NEMA 1 |         |                                                            |         | Mounting: Surface          |      |       |                                     |
| Main Breaker: 400A MCB                              |      |       |        |                   |         |                                                            |         | Main Bus: Copper           |      |       |                                     |
| Location: Electrical Building                       |      |       |        |                   |         |                                                            |         | SCIC: 10 kAIC              |      |       |                                     |
| Room Number/Description                             | Amps | Poles | Ckt. # | Phase A           | Phase B | Phase A                                                    | Phase B | Ckt. #                     | Amps | Poles | Room Number/Description             |
| Shelter Building *                                  | 100  | 2     | 1      | 0                 | 0       | 0                                                          | 0       | 2                          | 20   | 2     | Basketball Lights *                 |
|                                                     |      |       | 3      | 0                 | 0       | 0                                                          | 0       | 4                          |      |       |                                     |
| Yard Light *                                        | 15   | 1     | 5      | 0                 | 0       | 0                                                          | 0       | 6                          | 15   | 1     | Contact B-Ball *                    |
| Temp Power - Stage *                                | 30   | 2     | 7      | 0                 | 0       | 0                                                          | 0       | 8                          | 100  | 2     | Food Stand *                        |
|                                                     |      |       | 9      | 0                 | 0       | 0                                                          | 0       | 10                         |      |       |                                     |
| GFI in Dugout *                                     | 20   | 1     | 11     | 0                 | 0       | 0                                                          | 0       | 12                         | 20   | 1     | Convenience Outlets *               |
| Unlabeled Circuit Breaker *                         | 100  | 2     | 13     | 0                 | 0       | 0                                                          | 0       | 14                         | 20   | 1     | Convenience Outlets *               |
|                                                     |      |       | 15     | 0                 | 0       | 0                                                          | 0       | 16                         | 20   | 1     | Convenience Outlets *               |
| Ball Diamond Lighting Contactor (A)                 | 30   | 2     | 17     | 1884              | 0       | 1884                                                       | 0       | 18                         | 30   | 2     | Ball Diamond Lighting Contactor (C) |
|                                                     |      |       | 19     | 1884              | 1884    | 1884                                                       | 1884    | 20                         |      |       |                                     |
| Ball Diamond Lighting Contactor (A)                 | 30   | 2     | 21     | 1884              | 0       | 1884                                                       | 0       | 22                         | 30   | 2     | Ball Diamond Lighting Contactor (C) |
|                                                     |      |       | 23     | 1884              | 1884    | 1884                                                       | 1884    | 24                         |      |       |                                     |
| Ball Diamond Lighting Contactor (B)                 | 30   | 2     | 25     | 2512              | 0       | 1884                                                       | 0       | 26                         | 30   | 2     | Ball Diamond Lighting Contactor (C) |
|                                                     |      |       | 27     | 2512              | 2512    | 1884                                                       | 1884    | 28                         |      |       |                                     |
| Ball Diamond Lighting Contactor (B)                 | 30   | 2     | 29     | 2512              | 0       | 1884                                                       | 0       | 30                         | 30   | 2     | Ball Diamond Lighting Contactor (C) |
|                                                     |      |       | 31     | 2512              | 2512    | 1884                                                       | 1884    | 32                         |      |       |                                     |
| Ball Diamond Lighting Control Panel Control Circuit | 20   | 1     | 33     | 1000              | 0       | 0                                                          | 0       | 34                         | 30   | 2     | Surge Protection Device (SPD) +     |
| Space                                               | -    | 1     | 35     | 0                 | 0       | 0                                                          | 0       | 36                         | -    | 1     | Space                               |
| Space                                               | -    | 1     | 37     | 0                 | 0       | 0                                                          | 0       | 38                         | -    | 1     | Space                               |
| Space                                               | -    | 1     | 39     | 0                 | 0       | 0                                                          | 0       | 40                         | -    | 1     | Space                               |
| Space                                               | -    | 1     | 41     | 0                 | 0       | 0                                                          | 0       | 42                         | -    | 1     | Space                               |
| Total Load per Phase per Side (VA)                  |      |       |        | 9792              | 8792    | 7535                                                       | 7536    |                            |      |       |                                     |
| Total Load Phase A (VA)                             |      |       |        | 17328             | VA      | * Existing circuit. Load not accounted for in feeder load. |         | Total Connected Load       |      | 140   | A                                   |
| Total Load Phase B (VA)                             |      |       |        | 16328             | VA      |                                                            |         | Total Connected Load + 25% |      | 175   | A                                   |
| Total Connected Load (VA)                           |      |       |        | 33656             | VA      | + Confirm SPD breaker size with mfr.                       |         | Spare 25%                  |      | 44    | A                                   |
|                                                     |      |       |        |                   |         |                                                            |         | Feeder Load                |      | 219   | A                                   |



- NOTES:**
- LOCATE GROUND RODS CLEAR OF BUILDING IN A GRASS AREA WHERE RAIN WATER AND SPRINKLERS CAN KEEP THE SOIL MOIST. WHENEVER POSSIBLE, INSURE THAT AT LEAST 6 FT OF ROD IS EMBEDDED BELOW PERMANENT MOISTURE LEVEL.
  - INSTALL (3) 3/4" D., 10 FT LONG GROUND RODS SPACED A MINIMUM OF 12 FT APART, MAXIMUM 25 FT
  - THE METAL FRAME OF THE BUILDING SHALL BE BONDED TO THE GROUNDING ELECTRODE SYSTEM. SIZE BONDING JUMPER PER NEC 250-66.

**1** GROUNDING SYSTEM DIAGRAM  
E701 SCALE: NTS