

30601 RIDGE ROAD  
WICKLIFFE, OH 44092



1. TBR = TO BE REMOVED
2. ETR = EXISTING TO REMAIN
3. OUPS SHALL BE CONTACTED 2 DAYS PRIOR TO ANY ON SITE EXCAVATION PERFORMED AS PART OF THIS PROJECT  
1-800-367-2764
4. THE MOST CURRENT VERSION OF OHIO'S RAINWATER AND LAND DEVELOPMENT MANUAL SHALL BE APPLICABLE TO THIS PROJECT.
5. THE CONTRACTOR SHALL CONDUCT OPERATIONS WITH A MINIMUM INTERFERENCE TO PUBLIC OR PRIVATE THOROUGHFARES, MAINTAIN FREE AND UNOBSTRUCTED EGRESS AND ACCESS AT ALL TIMES. DO NOT CLOSE OR OBSTRUCT ROADWAYS AND SIDEWALKS WITHOUT APPROPRIATE PERMITS.
6. CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSAL OF ALL STRUCTURES, PAVES, WALLS, FENCES, MANHOLE COVERS, DRAINAGE STRUCTURES, UTILITIES, ETC., IN A LOCATION APPROVED BY ALL GOVERNING AGENCIES. ALL ITEMS REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL.
7. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL DEMOLITION RELATED PERMITS, INCLUDING AN EPA NOTICE OF INTENT, IF NECESSARY.
8. THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES OR DEPARTMENTS PRIOR TO REMOVAL OR SHUTOFF OR INSTALLATION OF ANY UTILITIES. THE CONTRACTOR SHALL COORDINATE WORK WITH THE UTILITY COMPANIES AS TO WHICH PORTIONS ARE TO BE PERFORMED BY THE UTILITY COMPANY.
9. CONTRACTOR IS CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF THE EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 48 HOURS IN ADVANCE OF ANY EXCAVATION TO REQUEST EXIST FIELD LOCATION OF UTILITIES.
10. EXISTING UTILITIES OR STRUCTURES NOT DESIGNATED FOR REMOVAL ARE TO REMAIN.
11. ALL WASTE OR DEBRIS GENERATED AS PART OF SITE DEMOLITION SHALL BE DISPOSED OF OFF SITE AS PER CURRENT LOCAL AND STATE REQUIREMENTS.
12. ALL PROJECT AREAS DESIGNATED TO BE PAVED OR BUILT UPON SHALL BE CLEARED AND GRUBBED AS PER PROJECT SPECIFICATIONS.
13. ANY FILL MATERIAL SALVAGED FROM GRADING OPERATIONS THAT CAN BE DETERMINED BY AN INDEPENDENT TESTING AGENCY TO BE SUITABLE FILL SHALL BE USED FOR FILL MATERIAL AS APPROPRIATE.
14. ALL EXISTING LANDSCAPING WITHIN THE PROJECT LIMITS SHALL BE REMOVED, EXCEPT AS SHOWN TO REMAIN. TREES BEING REMOVED SHALL HAVE THEIR STUMPS GROUND.
15. THE CONTRACTOR SHALL MAKE PROVISIONS FOR STORM WATER DURING DEMOLITION PROCESS.
16. ALL STRUCTURES, UTILITIES, ETC., NOT DESIGNATED FOR REMOVAL SHALL BE PROTECTED BY THE CONTRACTOR DURING CONSTRUCTION.
17. DEMOLITION SHALL BE PERFORMED WITH CARE AND DUE DILIGENCE AS TO NOT DISRUPT THE OPERATION OF EXISTING UTILITY STRUCTURES TO REMAIN. ANY UTILITY DISCOVERED DURING DEMOLITION OR CONSTRUCTION, WHICH IS NOT SHOWN ON THE PLANS, SHALL BE REPORTED TO THE DESIGN ENGINEER FOR EVALUATION.
18. CONTRACTOR SHALL PROTECT ALL TREES AND LANDSCAPING NOTED TO REMAIN.
19. ITEMS NOTED TO BE SALVAGED ARE TO BE PACKAGED BY THE CONTRACTOR AND TURNED OVER TO THE OWNER FOR REUSE. COORDINATE TURNOVER WITH OWNER.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION, RELOCATION, AND MAINTENANCE OF ALL EROSION CONTROL MEASURES SEEN NECESSARY TO PREVENT EROSION OF EXPOSED SOILS.
21. OWNER SHALL PROVIDE ABATEMENT RELATED TO ASBESTOS, LEAD CONTAINING MATERIALS, MERCURY, ETC., AS NEEDED PRIOR TO DEMOLITION.
22. EXISTING PAVING SURFACES SHOWN ARE SURFACE CONDITIONS. DIFFERENT PAVEMENT TYPES MAY EXIST BELOW THE SURFACE. THE OWNER SHALL COMPLETELY REMOVE UP TO 12 INCHES OF ALL EXISTING PAVEMENT SECTIONS SHALL BE INCLUDED AS PART OF THE BID.
23. ALL LAWN AREAS REMOVED OR DISTURBED SHALL BE REPLACED BY SEEDING AND MULCHING IN ACCORDANCE WITH ITEM #59 OF THE SPECIFICATIONS. THE CONTRACTOR SHALL BE RESEEDING AND MULCHED WHEN REQUESTED IF SATISFACTORY RE-ESTABLISHMENT OF LAWN DOES NOT OCCUR.

1. THE CONTRACTOR SHALL MAINTAIN SAFE TRAFFIC CONDITIONS IN ACCORDANCE WITH THE MANUAL OF TRAFFIC CONTROL DEVICES, COORDINATE ALL LANE / ROAD CLOSURES WITH THE LOCAL MUNICIPAL ENGINEER(S).
2. WHENEVER IT IS NECESSARY TO DIVERT TRAFFIC FROM ITS NORMAL CHANNEL INTO ANOTHER CHANNEL, SUCH DIVERSIONS SHALL BE CLEARLY MARKED BY CONES, DRUMS, BARRICADES OR TEMPORARY GUARDRAIL. IF THE MARKERS ARE LEFT IN PLACE UNTIL THE ROAD IS OPEN TO TRAFFIC, THE CONTRACTOR SHALL BE PROSECUTED AND FINED.
3. WHENEVER ONE-WAY TRAFFIC IS ESTABLISHED, AT LEAST TWO FLAGGERS SHALL BE USED.
4. THE CONTRACTOR MAY NOT CLOSE THE STREET TO THROUGH TRAFFIC.
5. IF PROPER MAINTENANCE OF TRAFFIC FACILITIES AND/OR PROPER PROVISION FOR TRAFFIC CONTROL IS NOT BEING PROVIDED, THE MUNICIPALITY MAY TAKE THE NECESSARY STEPS TO CORRECT TRAFFIC MAINTENANCE. THE COST OF SUCH SERVICE WILL BE CHARGED TO THE CONTRACTOR.

OWNER	LAKE METROPARKS BOARD
ADDRESS	OF PARK COMMISSIONERS 30601 RIDGE ROAD WICKLIFFE, OHIO 44092
PARCEL NUMBER	29-B-005-B-00-036-0
PARCEL AREA	3.60 ACRES
PROPOSED DISTURBED AREA	0.33 ACRES

LAND SURVEY DATA SHOWN ON THE CIVIL PLAN  
SHEETS HAS BEEN REFERENCED FROM AN  
EXISTING CONDITIONS FIELD SURVEY PERFORMED  
BY RICHARD A THOMPSON (#7388) OF POLARIS  
ENGINEERING & SURVEYING INC.  
CONTRACT # 23174  
DATE 8/16/24

CML	
C100	COVER SHEET & DEMOLITION PLAN
C101	SITE PLAN
C102	UTILITY PLAN
C103	GRADING PLAN
C200	ABBR. SWP3-1
C201	ABBR. SWP3-2
C300	DETAILS

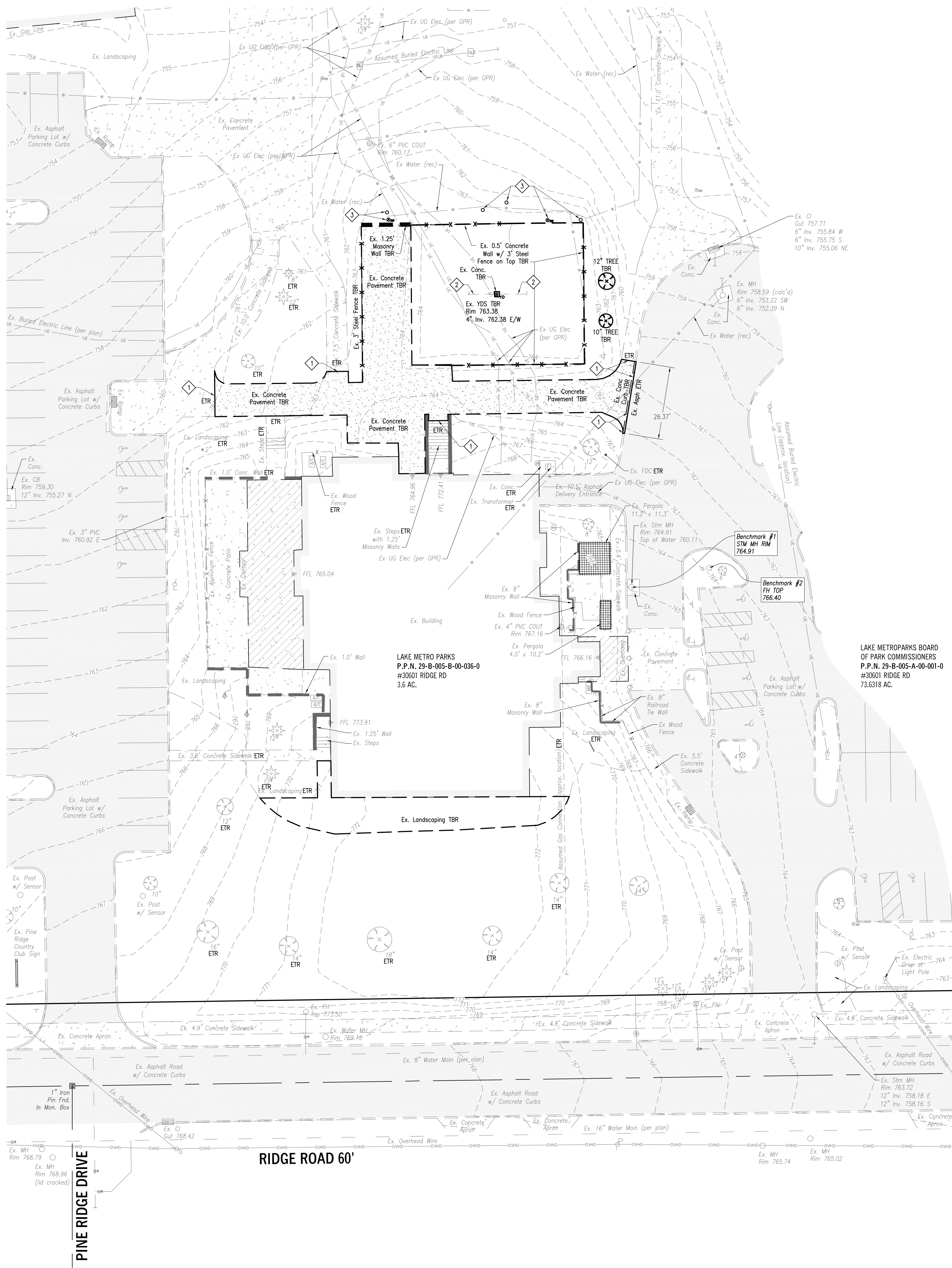
ROCKAWAY CIVIL LLC  
10191 SPERRY ROAD  
KIRTLAND, OHIO 44094  
JOHN URBANICK, PE 66506  
440 655 8182  
JURBANICK@ROCKAWAYCIVIL.COM

## S1 FOUNDATION PLAN &amp; DETAILS

SYNERGY ENGINEERING SERVICES  
DOUG PERKINS, PE  
DPERKINS@SYN-ENG.COM  
330 617 5280

1. MAKE FULL DEPTH SAW CUT AT LIMIT OF PAVEMENT / CURB REMOVAL.
2. EXISTING STORM PIPING TO BE REMOVED OR ABANDONED IN PLACE
3. REMOVE EXISTING WATER VALVE AND REMOVED OR ABANDON PIPING IN PLACE - FIELD VERIFY THAT EXISTING WATER LINE IS ABANDONED PRIOR TO WORK. IF WATERLINE IS ACTIVE, NOTIFY ENGINEER AND PROVIDE INFORMATION FOR POSSIBLE REDESIGN.

1. ALL CONSTRUCTION AND MATERIALS INCLUDED ON THIS PROJECT SHALL BE IN ACCORDANCE WITH THE LATEST STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIALS SPECIFICATIONS.
2. ANY DEFECTS IN THE CONSTRUCTION WITHIN THE RIGHT OF WAY INCLUDING MATERIALS OR WORKMANSHIP SHALL BE REPLACED OR CORRECTED BY REMOVAL AND REPLACEMENT BY THE CONTRACTOR OR OTHER APPROVED METHODS PRIOR TO ACCEPTANCE BY THE MUNICIPAL ENGINEER.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO ROAD SURFACES, SIGNS, GUARDRAILS, MAIL/PAVER BOXES, CURBSETS, EASEMENTS OR RIGHT OF WAYS DISTURBED BY CONSTRUCTION OF ANY PART OF THIS IMPROVEMENT. ALL DAMAGES SHALL BE RESTORED AT NO COST TO THE MUNICIPALITY TO THE ORIGINAL CONDITION. THE MUNICIPAL ENGINEER WILL VERIFY ALL DAMAGE AND APPROVAL OF RESTORATION.
4. THE CONTRACTOR SHALL NOT COMMENCE WITH ANY FORM OF CONSTRUCTION WITHOUT NOTIFYING THE OFFICE OF THE MUNICIPAL ENGINEER AT LEAST TWENTY-FOUR (24) HOURS PRIOR TO STARTING CONSTRUCTION.
5. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS.
6. THE CONTRACTOR SHALL PROVIDE A TWENTY-FOUR (24) HOUR, SEVEN DAYS A WEEK WEEK EMERGENCY CONTACT LIST. THE CONTACT LIST SHALL INCLUDE CONTACT NAMES AND PHONE NUMBERS OF INDIVIDUALS WHO CAN BE REACHED AT ANY TIME. NO CONSTRUCTION SHALL OCCUR BEFORE CONTACT LIST IS PROVIDED TO THE MUNICIPALITY.
7. LANE CLOSURES REMOVED OR DISTURBED SHALL BE RESEDED AND MULCHED WHEN REQUESTED BY THE MUNICIPALITY IN ACCORDANCE WITH ITEM 655 OF THE SPECIFICATIONS. APPROVAL OF RESEEDING AND MULCHING SHALL BE OBTAINED FROM THE MUNICIPALITY. RE-ESTABLISHMENT OF LAWN DOES NOT OCCUR.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO THE EXISTING PUBLIC WATER, STORM AND SANITARY SYSTEMS RESULTING FROM CONSTRUCTION WITHIN THE APPLICABLE STANDARDS OR THROUGH GENERAL NEGLIGENCE.
9. ALL VOIDS CREATED FROM BORING OF UTILITY LINES SHALL BE BACKFILLED WITH SAND OR GROUT. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AT ALL TIMES AND SHALL BACKFILL AND GRADE EXCAVATED AREAS TO ELIMINATE PONDING ON THE SITE.
10. THE CONTRACTOR SHALL SUPPLY ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY INCLUDING A DUST-FREE STREET SWEEPING DEVICE OR AS DIRECTED BY THE MUNICIPAL ENGINEER TO MAINTAIN ALL ROADWAYS BEING USED FOR ACCESS TO THE CONSTRUCTION SITE.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY EROSION CONTROL METHODS IN ACCORDANCE WITH CURRENT COUNTY AND STATE REQUIREMENTS AND AS REQUIRED BY THE MUNICIPAL ENGINEER. EROSION CONTROL MEASURES MUST BE IN PLACE PRIOR TO ANY CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL CLEAN ALL EXISTING STREETS OF MUD AND DEBRIS DURING THE CONSTRUCTION PROCESS.
12. AT ALL STORM SEWER, SANITARY SEWER, AND/OR WATERMAIN INTERSECTIONS HAVING LESS THAN THIRTEEN (13) INCH VERTICAL SEPARATION, ENCASE THE LOWER AND MONOLITHICALLY GRADE THE UPPER PIPE IN 3000 PSI CONCRETE PER THE REQUIREMENTS OF THE UNIFORM STANDARDS CONCRETE ENCASEMENT DETAIL.
13. ALL EXISTING GRADES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION BY USE OF AN APPROVED LASER DEVICE. THE LINE AND GRADE OF THE LASER SHALL BE "CHECKED" FROM LINE AND GRADE STAKES AT A MAXIMUM OF FIFTY FOOT (50') INTERVALS.
14. WHEREVER UNSATISFORY SOIL CONDITIONS ARE ENCOUNTERED THAT ARE NOT INDICATED ON THE PLANS, THE WORK SHALL BE STOPPED UNTIL THE GEOTECHNICAL ENGINEER APPROVES THE METHOD AND MATERIAL TO BE INCORPORATED INTO THE WORK.
15. ALL UNFORESEEN UNDERGROUND OR ABOVE GROUND UTILITIES OR CONDITIONS THAT ARE DISCOVERED IN THE PROJECT ARE DURING CONSTRUCTION SHALL BE REPORTED BY THE CONTRACTOR TO THE DESIGN ENGINEER IMMEDIATELY FOR EVALUATION AND POSSIBLE REDESIGN. THE FIELD DATA SHALL INCLUDE MATERIAL TYPE, SIZE, CONDITION, LOCATION, DEPTH / ELEVATION, ETC.



**PINE RIDGE COUNTRY CLUB  
WEDDING VENUE**

30601 RIDGE ROAD  
WICKLIFFE, OH 44092

[illegible]

# COVER SHEET & DEMOLITION PLAN

Sheet Name
C100
Sheet #
RC Project # 25-013





SITE PLAN

C101

RC Project # 25-013

## PAVEMENT DRIVE APRONS, SIDEWALK, CURBS AND CURB RAMP REQUIREMENTS

- GENERAL REQUIREMENTS:**  
THE FOLLOWING REQUIREMENTS APPLY TO ALL PAVEMENT DRIVE APRONS, SIDEWALKS AND CURB RAMPS. ALL PAVEMENT DRIVES SIDEWALKS AND/OR CURB RAMPS SHALL CONFORM TO ODOT SPECIFICATIONS IF NOT SPECIFIED HEREIN. ALL PAVEMENT DRIVES SIDEWALKS AND CURB RAMP REPLACEMENTS SHALL CONFORM TO THE GRADE OF THE EXISTING PAVEMENT DRIVE, SIDEWALK AND/OR CURB RAMP.

MATERIAL:

1. ALL CONCRETE SHALL BE CLASS "C" PER ODOT 499 AND PROPERLY CONSOLIDATED (NO SLAG)

### NOTIFICATION TO RESIDENTS

2. THE SCHEDULING FOR WORK SHALL BE DISCUSSED WITH EACH PROPERTY OWNER AFFECTED PRIOR TO COMMENCING THE CONSTRUCTION / REPLACEMENT OPERATION. EXCAVATION IN TRAFFIC AREAS SHALL NOT BE LEFT OPEN OVERNIGHT. ALL DRIVE APRON CONSTRUCTION SHALL FOLLOW A SCHEDULE THAT ALLOWS ACCESS TO AND FROM RESIDENCE, BUSINESS, ETC. AT ALL TIMES. THE DISRUPTION OF ACCESS TO DRIVEWAYS DUE TO THIS WORK SHALL BE KEPT TO A MINIMUM.

SIGNAGE:

3. THE CONTRACTOR MUST PROVIDE ADEQUATE SIGNS, MARKERS AND BARRICADES TO PROTECT PEDESTRIAN TRAFFIC, VEHICULAR TRAFFIC AND CONSTRUCTION PERSONNEL DURING THE PROGRESS OF THIS WORK. ADDITIONAL SIGNS INDICATING ENTRANCES FOR BUSINESSES IN A CONSTRUCTION ZONE ARE REQUIRED AS DIRECTED BY THE MUNICIPAL ENGINEER.

PAVEMENT DRIVE APRONS:

4. ALL PAVEMENT DRIVE APRONS SHALL HAVE A MINIMUM THICKNESS OF SIX (6) INCHES FOR RESIDENTIAL DRIVEWAYS AND EIGHT (8) INCHES FOR ALL OTHER DRIVEWAYS. REFER TO DETAILS.

R/W SIDEWALK:

5. ALL SIDEWALKS SHALL HAVE A MINIMUM THICKNESS OF FOUR (4) INCHES EXCEPT WITHIN THE LIMITS OF THE DRIVEWAYS WHERE THE MINIMUM THICKNESS SHALL BE SIX (6) INCHES FOR ONE OR TWO FAMILY RESIDENTIAL DRIVEWAYS AND EIGHT (8) INCHES FOR ALL OTHER DRIVEWAYS.

6. ONE-HALF (1/2) INCH EXPANSION JOINTS SHALL BE PLACED AT INTERVALS NOT TO EXCEED FIFTY (50) FEET. EXPANSION JOINTS SHALL BE SEALED WITH 1/2" THICK SELF LEVELING URETHANE CHALK, LIMESTONE GRAY IN COLOR. ALL CONCRETE SIDEWALK AND/OR CURB SHALL BE OF MONOLITHIC CONSTRUCTION. ALL SIDEWALKS SHALL HAVE A FOUR (4) INCH MINIMUM SUBBASE, ODOT ITEM 304, COMPACTED TO 95% COMPACTION.

R/W CURB RAMPS

7. CURB RAMPS SHALL BE PLACED AS SHOWN ON THE PLANS. ALL SIDEWALKS SHALL CONNECT TO THE PAVEMENT OR CURB AT INTERSECTIONS WITH WHEELCHAIR RAMPS AND ONE-HALF (1/2) INCH EXPANSION JOINTS BETWEEN THE WALK AND CURB EXPANSION JOINTS SHALL BE SEALED WITH 1/2" THICK SELF LEVELING URETHANE CHALK, LIMESTONE GRAY IN COLOR. ALL CURB RAMPS SHALL MEET THE CURRENT ADA REQUIREMENTS. REFER TO DETAILS.

### CONSTRUCTION SAW CUTTING

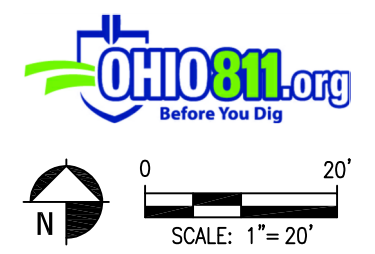
8. WHERE IT IS NECESSARY TO DISTURB EXISTING PAVEMENT DRIVES, CURB RAMPS OR SIDEWALKS THE CONCRETE SHALL BE SAW CUT IN NEAT STRAIGHT LINES AS DIRECTED BY ENGINEER / MUNICIPALITY. THE DEPTH OF SAW CUT SHALL BE FULL DEPTH. WHERE IT IS NECESSARY TO DISTURB EXISTING PAVEMENT DRIVES, CURBS AND/OR WALKS THE ASPHALT CONCRETE SHALL BE LINE CUT WITH STRAIGHT VERTICAL EDGES. ALL CUT BITUMINOUS SURFACES SHALL BE SEALED WITH A 4" WIDE RUBBERIZED JOINT SEALER USING A SQUEEGEE.
9. CONCRETE SHALL BE REMOVED IN SECTIONS. SAW CUT LINES ARE TO TAKE PLACE AT EXISTING JOINTS.

## CURING COMPOUND

10. AN APPROVED SEALER SHALL SEAL ALL EXPOSED CONCRETE APPROPRIATE TO APPLICATION ON SURFACE OF CONCRETE  
SEE CURRENT ODOT SPECIFICATIONS FOR APPLICATION METHODS.

### STRUCTURES ENCOUNTERED

11. THE CONTRACTOR SHALL ADJUST ANY "SURFACE STRUCTURE" IN THE AREA OF SIDEWALK AND/OR PAVEMENT DRIVE TO GRADE. THE CONTRACTOR SHALL FURNISH NECESSARY PARTS AND REPAIR ALL "SURFACE STRUCTURES" DAMAGED BY CONSTRUCTION OF IMPROVEMENT.



30601 RIDGE ROAD  
WICKLIFFE, OH 44092

Project Name

Sheet Revision

1	BID
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07-24-25

### Project Issue

## SITE PLAN

Sheet Name

C101

Sheet #

RC Project # 25-013



UTILITY  
PLAN

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Sheet Name

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C102

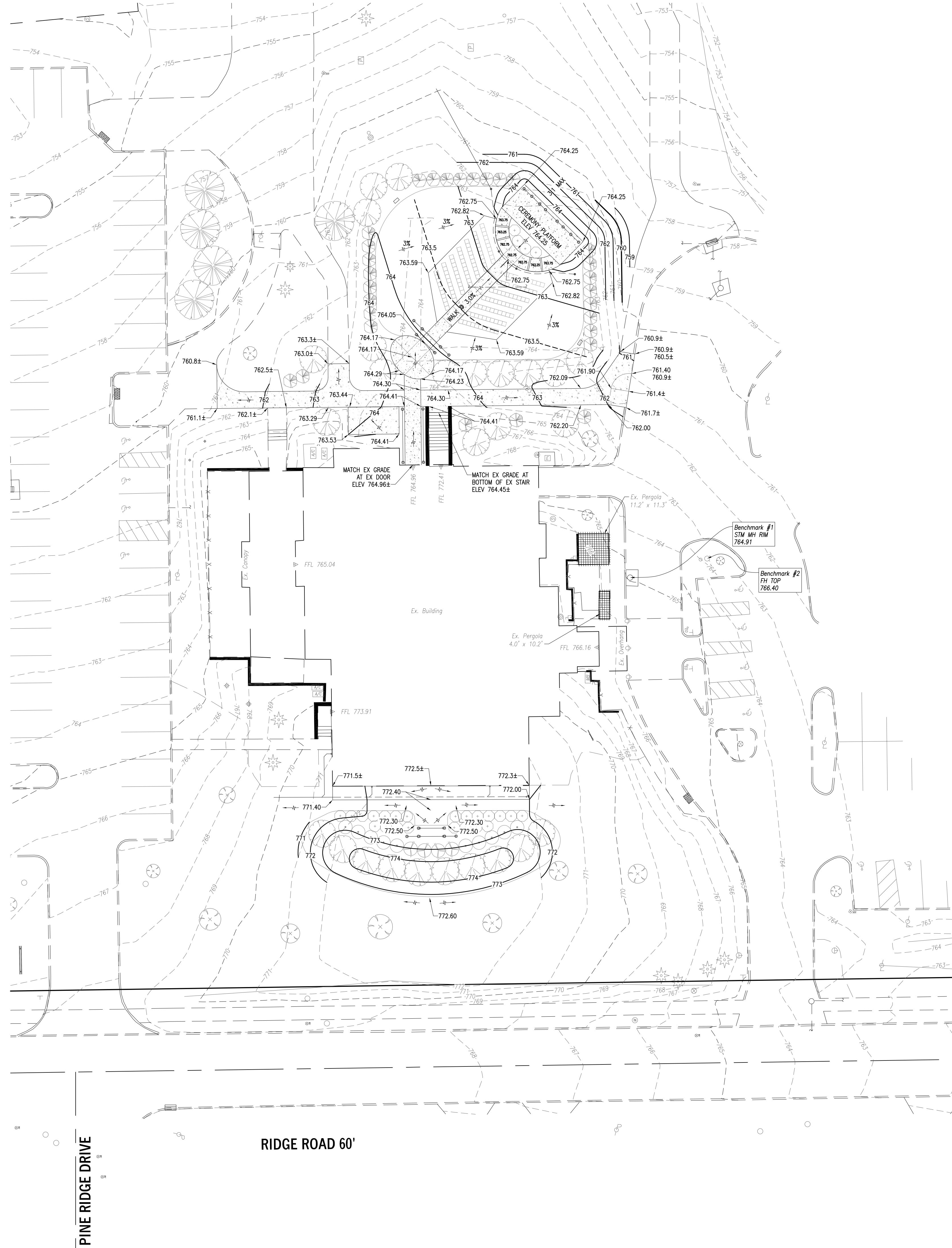
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Sheet #

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RC Project # 25-013





GRADING PLAN NOTES

1. IF THE CONTRACTOR BELIEVES THAT SOME OR ALL OF THE EXISTING INFORMATION SHOWN ON THE PROJECT SURVEY IS INACCURATE, THEN THEY ARE REQUIRED TO HAVE A CERTIFIED SURVEY PERFORMED OF THE PROJECT AREA IN QUESTION. THIS CERTIFIED SURVEY MUST BE PERFORMED PRIOR TO ANY DEMOLITION OR EARTHWORK. THIS CERTIFIED SURVEY WILL BE USED AS THE BASIS FOR CONFIRMING ACCURACY OF THE INFORMATION PROVIDED AS PART OF THE CONTRACT DOCUMENTS. ALL NEW EARTHWORK SHALL BE BLENDED TO MEET EXISTING SITE CONDITIONS WHICH ARE TO REMAIN. GRADED SLOPES ARE SHOWN AT 3:1 MAXIMUM.
2. ALL PROPOSED LAWN AND HARD SURFACE GRADED AREAS SHALL HAVE POSITIVE SURFACE DRAINAGE TOWARDS STORM DRAINAGE STRUCTURES AND AWAY FROM ALL STRUCTURES WHERE APPLICABLE. CONTRACTOR SHALL CONTACT ENGINEER IF DRAINAGE CONFLICTS ARISE IN FIELD DURING CONSTRUCTION.
3. PROPOSED GRADING SHALL NOT INHIBIT THE SURFACE DRAINAGE FOR ADJOINING PARCELS.
4. ALL PROPOSED PAVEMENT SHALL HAVE A MINIMUM SURFACE SLOPE OF 1.20% AND A MAXIMUM SURFACE SLOPE OF 5.00% UNLESS OTHERWISE NOTED.
5. CONTRACTOR SHALL CONSTRUCT ALL IMPROVEMENTS SO AS TO MINIMIZE DAMAGE TO PAVED AREAS CALLED TO REMAIN OR PAVED AREAS TO BE MILLED AND RESURFACED.
6. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF OHIO'S STANDARDS FOR STORMWATER MANAGEMENT LAND DEVELOPMENT AND URBAN STREAM PROTECTION ENTITLED "RAINWATER AND LAND DEVELOPMENT" (LATEST EDITION).
7. ALL GRADED SLOPES GREATER THAN OR EQUAL TO 6:1 SHALL HAVE EROSION CONTROL BLANKETS INSTALLED AS PER PROJECT SPECIFICATIONS.
8. ALL NEW DRIVEWAY APRONS WITHIN THE PUBLIC RIGHT OF WAY(S) SHALL MAINTAIN ADA ACCESSIBLE ACCESS WHERE THE PUBLIC SIDEWALK CROSSES THE NEW DRIVEWAY APRON.
9. ALL LAWN AREAS REMOVED OR DISTURBED SHALL BE REPLACED BY SEEDING AND MULCHING IN ACCORDANCE WITH ITEM 659 OF ODOT SPECIFICATIONS AND SHALL BE RESEEDD AND MULCHED WHEN REQUESTED IF SATISFACTORY RE-ESTABLISHMENT OF LAWN DOES NOT OCCUR.

SITE PREPARATION AND EARTHWORK NOTES

- EARTHWORK NOTES**
1. THE RECOMMENDATIONS INCLUDED IN THIS REPORT ARE NOT BASED ON TEST BORINGS, OR ANY KNOWN KNOWLEDGE OF SUBSURFACE CONDITIONS AT THE SITE. ANY FUTURE PROJECT DEVELOPMENT'S EXTENT AND DESIGN ARE UNKNOWN. THE INCLUDED RECOMMENDATIONS MUST BE CONSIDERED PRELIMINARY IN NATURE. ALL RECOMMENDATIONS HAVE BEEN MAINTAINED ON A HIGHLY GENERALIZED PLAN AND ARE NOT TO BE CONSTRUED AS SPECIFIC AND/OR FINALIZED. A DETAILED SITE INVESTIGATION INCLUDING TEST BORINGS, LABORATORY TESTS AND ANALYSIS WILL BE REQUIRED PRIOR TO ANY FINAL DESIGN FOR FUTURE IMPROVEMENTS.
- SITE PREPARATION**
2. PRECAUTIONS SHOULD BE EXERCISED DURING THE REMOVAL OF THE EXISTING BUILDING STRUCTURES AT THE PROPOSED SITE. ALL EXISTING FOUNDATIONS, FLOOR SLABS, BASEMENTS, ETC., SHOULD BE COMPLETELY REMOVED FROM THE SITE. MATERIALS TO LESSEN POTENTIAL SETTLEMENT THAT MAY OCCUR.
  3. FOLLOWING THE SITE CLEARING, STRIPPING AND UNDERCUTTING, AND PRIOR TO PLACING SUITABLE FILL, THE EXPOSED SUBGRADES SHOULD BE PROOFROLLED WITH A LOADED 20-TON TO 30-TON TANDEM-AXLE DUMP TRUCK UNTIL THE GRADE OFFERS A RELATIVELY UNYIELDING SURFACE. AREAS OF EXCESSIVE YIELDING SHOULD BE EXCAVATED AND BACKFILLED WITH COMPACTED SUITABLE FILL AND/OR THE UNSTABLE SOILS CAN BE STABILIZED BY CHOKING THE EXPOSED BEARING SURFACE WITH CRUSHED LIMESTONE OR SIMILAR COARSE AGGREGATE. AFTER THE EXISTING SUBGRADE MATERIALS ARE EXCAVATED PROPER CONTROL OF SUBGRADE COMPACTION AND THE PLACEMENT AND COMPACTION OF NEW FILL MATERIALS SHOULD BE PERFORMED.
  4. IT IS RECOMMENDED THAT THE SITE PREPARATION, PROOFROLLING AND EARTHWORK ACTIVITIES SHOULD BE PERFORMED DURING A PERIOD OF DRY WEATHER, WHICH CAN SIGNIFICANTLY REDUCE THE REQUIRED EXTENT OF SOIL STABILIZATION, DRAINAGE AND SURFACE REPAIRS.
  5. DURING SITE PREPARATION, BURN PITS, TRASH PITS OR OTHER ISOLATED DISPOSAL AREAS MAYBE ENCOUNTERED. ANY SUCH MATERIALS ENCOUNTERED DURING SITE WORK ON CONSTRUCTION SHOULD BE COMPLETELY EXCAVATED AND REMOVED FROM THE SITE.
- SUITABLE FILL**
6. SUITABLE FILL MATERIALS SHOULD CONSIST OF NON-EXPANSIVE MATERIALS, POTENTIALLY EXPANSIVE MATERIALS SHOULD NOT BE USED AS SUITABLE FILL MATERIAL. MATERIALS SELECTED FOR USE AS SUITABLE FILL SHOULD NOT CONTAIN ORGANIC MATTER, WASTE CONSTRUCTION DEBRIS, OR OTHER DELETERIOUS MATERIALS. FILL MATERIALS SHOULD GENERALLY HAVE A STANDARD PROCTOR MAXIMUM DRY DENSITY GREATER THAN 110 POUNDS PER CUBIC FOOT (PCF), AN ATTERBERG LIQUID LIMIT LESS THAN 40, A PLASTICITY INDEX OF LESS THAN 20, AND A MAXIMUM PARTICLE SIZE OF 2 INCHES OR LESS.
  7. REPRESENTATIVE SAMPLES OF THE PROPOSED FILL MATERIAL SHOULD BE COLLECTED AT LEAST ONE WEEK PRIOR TO THE START OF THE FILLING OPERATIONS. THE SAMPLES SHOULD BE TESTED TO DETERMINE THE MAXIMUM DRY DENSITY, OPTIMUM MOISTURE CONTENT, PARTICLE SIZE DISTRIBUTION AND PLASTICITY CHARACTERISTICS. THESE TESTS ARE NEEDED TO DETERMINE IF THE MATERIAL IS ACCEPTABLE AS SUITABLE FILL AND FOR QUALITY CONTROL DURING THE COMPACTION PROCESS.
  8. THE FILL SHOULD BE PLACED IN LAYERS OF NOT MORE THAN 8 INCHES IN THICKNESS, WITH EACH LAYER BEING COMPACTED TO A MINIMUM DENSITY OF 98 PERCENT OF THE MAXIMUM DRY DENSITY AND WITH +/- 2% OF THE OPTIMUM MOISTURE CONTENT, AS DETERMINED BY THE STANDARD PROCTOR METHOD ASTM D-698. MOISTURE CONTROL OF THE SUITABLE FILL MATERIALS MAY BE NECESSARY FOR COMPACTION.
  9. SUITABLE FILL OPERATIONS WILL REQUIRE MONITORING/TESTING BY A GEOTECHNICAL CONSULTANT TO ENSURE PROPER COMPACTION REQUIREMENTS ARE MET.
- GROUNDWATER CONTROL AND DRAINAGE**
10. WATER SEEPING MAY BE ENCOUNTERED DURING FOUNDATION EXCAVATION AND DEMOLITION. ACCORDINGLY, A GRAVITY DRAINAGE SYSTEM, SUMP PUMP OR OTHER CONVENTIONAL DEWATERING PROCEDURE AS DEEMED NECESSARY BY THE FIELD CONDITIONS MAY BE NECESSARY. EVERY EFFORT SHOULD BE MADE TO KEEP THE EXCAVATIONS DRY IF WATER IS ENCOUNTERED.
  11. POSITIVE SITE DRAINAGE SHOULD BE PROVIDED TO REDUCE INFILTRATION OF SURFACE WATER AROUND THE PERIMETER OF THE FILL AREA. OVERALL SITE AREA DRAINAGE IS TO BE ARRANGED IN A MANNER SUCH THAT THE POSSIBILITY OF WATER IMPOUNDING OVER THE STRUCTURAL FILL IS PREVENTED.
- EXCAVATIONS**
12. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DESIGNING AND CONSTRUCTING STABLE, TEMPORARY EXCAVATIONS AND SHOULD SHORE, SLOPE, OR BENCH THE SIDES OF THE EXCAVATIONS AS REQUIRED TO MAINTAIN STABILITY OF BOTH THE EXCAVATION SIDES AND BOTTOM. THE CONTRACTOR SHOULD EVALUATE THE SOIL EXPOSED IN THE EXCAVATIONS AS PART OF THE CONTRACTOR'S SAFETY PROCEDURES. IN NO CASE SHOULD SLOPE HEIGHT, SLOPE INCLINATION, OR EXCAVATION DEPTH INCLUDING UTILITY TRENCH EXCAVATION DEPTH, EXCEED THOSE SPECIFIED IN LOCAL, STATE AND FEDERAL SAFETY REGULATIONS.
  13. MATERIALS REMOVED FROM THE EXCAVATION SHOULD NOT BE STOCKPILED IMMEDIATELY ADJACENT TO THE EXCAVATION, INASMUCH AS THIS LOAD MAY CAUSE A SUDDEN COLLAPSE OF THE EMBANKMENT.
- WEATHER CONSIDERATIONS**
14. THE SOILS COULD BE SENSITIVE TO DISTURBANCES CAUSED BY CONSTRUCTION TRAFFIC AND TO CHANGES IN MOISTURE CONTENT. DURING WET WEATHER PERIODS, INCREASES IN THE MOISTURE CONTENT OF THE SOIL CAN CAUSE SIGNIFICANT REDUCTION IN THE SOIL STRENGTH AND SUPPORT CAPABILITIES. CARE SHOULD BE EXERCISED DURING THE GRADING OPERATIONS AT THE SITE. TRAFFIC OF HEAVY EQUIPMENT, INCLUDING HEAVY COMPACTION EQUIPMENT, MAY VERY WELL CREATE PUMPING AND A GENERAL DETERIORATION OF THE SOILS IN THE PRESENCE OF WATER. THEREFORE, THE GRADING SHOULD, IF AT ALL POSSIBLE, BE PERFORMED DURING A DRY SEASON. A LAYER OF CRUSHED STONE MAY BE REQUIRED TO ALLOW THE MOVEMENT OF CONSTRUCTION TRAFFIC OVER THE SITE DURING THE RAINY SEASON. THE CONTRACTOR SHOULD MAINTAIN POSITIVE SITE DRAINAGE AND IF WET/PUMPING CONDITIONS OCCUR, THE CONTRACTOR WILL BE RESPONSIBLE TO OVER EXCAVATE THE WET SOILS AND REPLACE THEM WITH A PROPERLY COMPACTED ENGINEERED FILL.

STATE OF OHIO

JOHN

URBANICK

E-65506

PROFESSIONAL SURVEYOR

ROCKAWAY

CIVIL

Rockaway Civil LLC  
10911 Sperry Road Kirtland Ohio 44094  
440 655 8182 www.rockawaycivil.com

OHIO811.org

Before You Dig

N

0 20'

SCALE: 1"= 20'

PINE RIDGE COUNTRY CLUB

WEDDING VENUE

30601 RIDGE ROAD  
WICKLIFFE, OH 44092

Project Name

Sheet Revision

1 BID

07-24-25

Project Issue

GRADING PLAN

Sheet Name

C103

Sheet #

RC Project # 25-013







**ADDITIONAL TEMPORARY STABILIZATION NOTES:**

1. TEMPORARY SEEDING IS REQUIRED FOR ANY AREAS THAT WILL REMAIN IDLE OVER THE WINTER PRIOR TO THE ONSET OF WINTER WEATHER.
2. TEMPORARY SEEDING IS REQUIRED WITHIN 2 DAYS OF THE MOST RECENT DISTURBANCE FOR ANY AREA WITHIN 50 FEET OF A SURFACE WATER OF THE STATE AND NOT AT FINAL GRADE THAT WILL REMAIN IDLE FOR 14 DAYS OR MORE.
3. TEMPORARY SEEDING IS REQUIRED ON ANY DISTURBED AREA, INCLUDING SOIL STOCKPILES THAT WILL LIE DORMANT FOR MORE THAN 14 DAYS, BUT LESS THAN ONE YEAR AND NOT WITHIN 50 FEET OF A SURFACE WATER OF THE STATE WITHIN 7 DAYS OF THE MOST RECENT DISTURBANCE.

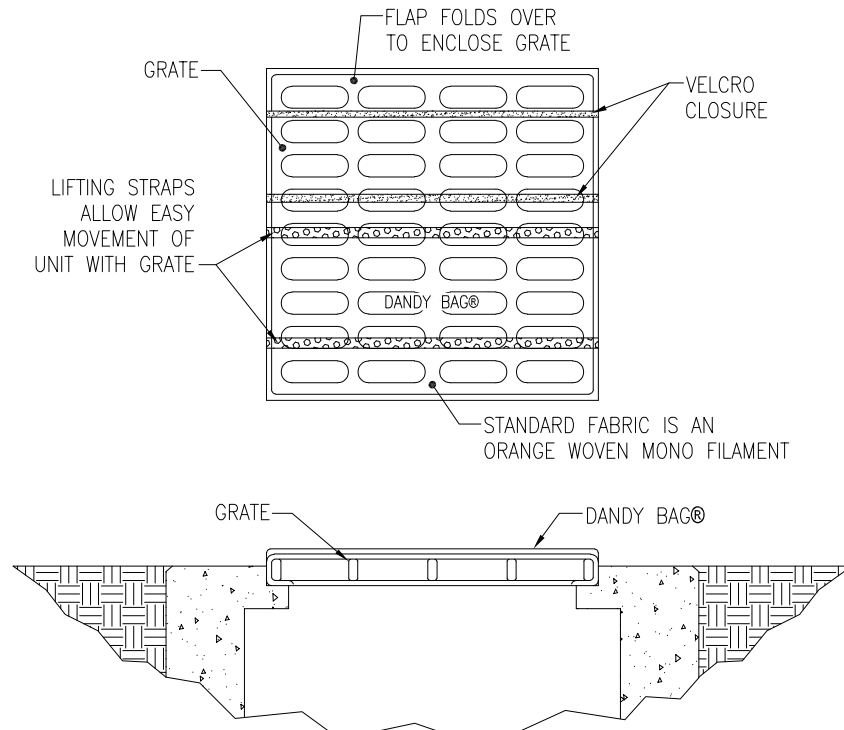
PERMANENT SEEDING SPECIFICATIONS			
SEED MIX	SEEDING RATE		NOTES
	LB/ACRE	LB/1,000 FT <sup>2</sup>	
GENERAL USE			
CREEPING RED FESCUE	20-40	0.50-1.00	FOR CLOSE MOWING AND FOR WATERWAYS WITH <2.0 FT/SEC VELOCITY
DOMESTIC RYEGRASS	10-20	0.25-0.50	
KENTUCKY BLUEGRASS	20-40	0.50-1.00	
TALL FESCUE	40-50	1.00-1.25	
TURF-TYPE (DWARF) FESCUE	90	2.25	
STEEP BANKS OR CUT SLOPES			
TALL FESCUE	40-50	1.00-1.25	
CROWN VETCH	10-20	0.25-0.50	DO NOT SEED LATER THAN AUGUST
TALL FESCUE	20-30	0.50-0.75	
FLAT PEA	20-25	0.50-0.75	DO NOT SEED LATER THAN AUGUST
TALL FESCUE	20-30	0.50-0.75	
ROAD DITCHES AND SWALES			
TALL FESCUE	40-50	1.00-1.25	
TURF-TYPE (DWARF) FESCUE	90	2.25	
KENTUCKY BLUEGRASS	50	0.10	
LAWNS			
KENTUCKY BLUEGRASS	100-120	2.00	
PERENNIAL RYEGRASS	-	2.00	
KENTUCKY BLUEGRASS	100-120	2.00	
CREEPING RED FESCUE	-	1.50	FOR SHADED AREAS

NOTE:  
FOLLOWING SOIL TEST RECOMMENDATIONS IS PREFERRED TO FERTILIZER RATES SHOWN ABOVE

1. PERMANENT SEEDING IS REQUIRED FOR ANY DISTURBED AREA THAT WILL LIE DORMANT FOR ONE YEAR OR MORE WITHIN 7 DAYS OF THE MOST RECENT DISTURBANCE.
2. PERMANENT SEEDING IS REQUIRED FOR ANY AREA WITHIN 50 FEET OF A SURFACE WATER BODY OF THE STATE AND AT FINAL GRADE WITHIN 2 DAYS OF REACHING FINAL GRADE.
3. PERMANENT SEEDING IS REQUIRED FOR ANY AREA AT FINAL GRADE WITHIN 7 DAYS OF REACHING FINAL GRADE.

1. STONE SIZE—000T #2(1.5-2.5 INCH)
2. CONCRETE EQUIVALENT—WHICH IS REQUIRED
3. CONSTRUCTION ENTRANCE IS PROPOSED IN AN EXISTING PAVED AREA, THE EXISTING PAVEMENT MAY BE UTILIZED IN LIEU OF STONE
4. LENGTH—THE CONSTRUCTION ENTRANCE SHALL BE AS LONG AS REQUIRED TO ACCOMMODATE TRAFFIC AND NOT LESS THAN 70 FT, (EXCEPTION: APPLY 30 FT MINIMUM TO SINGLE RESIDENT LOTS).
5. THICKNESS—THE STONE LAYER SHALL BE AT LEAST 4 INCHES THICK FOR LIGHT DUTY ENTRANCES OR AT LEAST 10 INCHES FOR HEAVY DUTY USE.
6. CONSTRUCTION ENTRANCE SHALL BE AT LEAST 4 FEET WIDE, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
7. EROSION—GEOTEXTILE SHALL BE LAID OVER THE ENTIRE AREA PRIOR TO PLACING STONE. IT SHALL BE COMPOSED OF STRONG POLYESTER FIBER AND MUST MEET THE FOLLOWING SPECIFICATIONS:
  1. TENSILE—THE CONSTRUCTION ENTRANCE SHALL BE SUBJECTED TO AS MUCH AS IS PRACTICABLE BEFORE MAJOR PAVING ACTIVITIES.
  2. CULVERT—A PIPE OR CULVERT DISSTRUCTURED UNDER THE ENTRANCE IF REQUIRED TO PREVENT WATER FROM FLOWING ACROSS THE ENTRANCE OR TO PREVENT RUNOFF FROM BEING DIRECTED OUT TOWARD PAVED SURFACES.
  3. DRAINAGE—A WATER DRAIN SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT TOWARD PAVED SURFACES.
  4. MAINTENANCE—TOP DRESSING OF ADDITIONAL STONE SHALL BE APPLIED AS CONDITIONS DEMAND. MUD SPILLED, DROPPED, WASHED OFF AND OR PAVED INTO PAVED SURFACE WHERE RUNOFF IS NOT ACCOMPANIED BY SEDIMENT COLLECTION, SHALL BE IMMEDIATELY REMOVED. IT SHALL BE ACCOMPANIED BY SCRAPING OR SWEEPING.
  5. CONSTRUCTION ENTRANCES SHALL NOT BE PERMITTED TO REMAIN OPEN FOR VEHICLES AND PREVENT OFF-SITE TRAVELING. VEHICLES THAT ENTER LEAVE THE CONSTRUCTION-SITE SHALL BE PERMITTED FROM MULTIPLE DIRECTIONS.
  6. REMOVE—THE ENTRANCE SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS STABILIZED OR REPLACED WITH A PERMANENT ROADWAY OR ENTRANCE.

GEOTEXTILE SPECIFICATIONS FOR CONSTRUCTION ENTRANCE	
MINIMUM TENSILE STRENGTH	200 LBS.
MINIMUM PUNCTURE STRENGTH	80 PSI
MINIMUM TEAR STRENGTH	50 LBS.
MINIMUM BURST STRENGTH	320 PSI
MINIMUM ELONGATION	20%
EQUIVALENT OPENING SIZE	EQS<0.6 MM
PERMITTIVITY	1X10-3 CM./SEC.



INSTALLATION: THE EMPTY DANDY BAG® SHOULD BE PLACED OVER THE GRATE AS THE GRATE STANDS ON END. IF USING OPTIONAL OIL ABSORBENTS, PLACE ABSORBENT PILLOW IN POUCH, ON THE BOTTOM (BELOW-GRATE SIDE) OF THE UNIT. ATTACH ABSORBENT PILLOW TO TETHER LOOP. TUCK THE ENCLOSURE FLAP INSIDE TO COMPLETELY ENCLOSE THE GRATE. HOLDING THE LIFTING DEVICES (DO NOT RELY ON LIFTING DEVICES TO SUPPORT THE ENTIRE WEIGHT OF THE GRATE), PLACE THE GRATE INTO ITS FRAME.

MAINTENANCE: REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM SURFACE AND VICINITY OF UNIT AFTER EACH STORM EVENT. REMOVE SEDIMENT THAT HAS ACCUMULATED WITHIN THE CONTAINMENT AREA OF THE DANDY BAG® AS NEEDED. IF USING OPTIONAL OIL ABSORBENTS; REMOVE AND REPLACE ABSORBENT PILLOW WHEN NEAR SATURATION.

ADS FLEX-STORM IS AN ACCEPTABLE INLET PROTECTION ALTERNATIVE.

\*\* DANDY BAGS MAY ONLY BE USED FOR INLET PROTECTION WHEN THE DRAINAGE STRUCTURE IS COMPLETELY SURROUNDED BY PAVEMENT.

NOT TO SCALE

A perspective view of a rectangular box with a lid. The lid is being lifted by two handles, one on each side, which are shown in a shaded, curved position. The box is shown in a perspective view, with the lid being lifted by two handles, one on each side, which are shown in a shaded, curved position.

1. INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE OR AFTER UPORELOD LAND DISTURBANCE BEGINS OR BEFORE THE UPORELOD FUNCTION BEGINS.
2. THE EARTH AROUND THE INLET SHALL BE EXCAVATED COMPLETELY TO A DEPTH OF AT LEAST 18 INCHES.
3. THE WOODEN CURB SHALL BE CONSTRUCTED OF 2-INCH BY 4-INCH POSTS SHALL BE DRIVEN ONE (1 FT.) INTO THE GROUND AT FOUR CORNERS OF THE INLET AND THE MIDDLE PORTION OF THE 2-INCH BY 4-INCH FRAME SHALL BE INSTALLED USING THE OVERLAP JOIN SHOWN. THE TOP OF THE FRAME SHALL BE AT LEAST 6 INCHES BELOW ADJACENT ROADS IF PONDING SHALL BE POSSIBLE A SAFETY HAZARD TO TRAFFIC.
4. WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC WITH WATER FULLY LOADED AND AGAINST IT. THE FABRIC SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY TO THE FRAME.
5. GEOTECHNICAL MATERIAL SHALL HAVE AN EQUIVALENT OPENING SIZE OF 20-40 SIEVE AND BE RESISTANT TO SUNLIGHT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY. SHALL EXTEND FROM THE TOP OF THE FRAME TO 18 INCHES BELOW THE INLET NOVEL ELEVATION.
6. BACKFILL SHALL BE PLACED AROUND THE INLET IN COMPACTED 6-INCH LAYERS UNTIL THE INLET IS EVEN WITH THE SURFACE ON ENDS AND TOP.
7. EARTH EROSION SHALL BE PREVENTED BY A PROTECTED EARTH DIKE OR CHECK DAM SHALL BE CONSTRUCTED IN THE DITCH LINE BELOW THE INLET IF THE INLET IS NOT IN A DEPRESSION OF THE TOP OF THE DIKE OR AT LEAST 6 INCHES HIGHER THAN THE TOP OF THE FRAME.
8. STRUCTURES IN NEED ON INLET PROTECTION IN PAVEMENT AREAS TO USE DANDY BUCKLE OR LITER SPOCK TYPE INLET PROTECTION.

70' (OR 30' ACCESS TO INDIVIDUAL HOUSE LOT)

14' MINIMUM & NOT LESS THAN WIDTH OF INGRESS OR EGRESS

**PLAN VIEW**

RIGHT OF WAY DIVERSION AS NEEDED

ROAD OR OTHER EXISTING PAVED SURFACE

18' OR SUFFICIENT TO DIVERT RUNOFF

**PROFILE**

CULVERT AS NEEDED

2"x2" WOOD STAKE

FILTER SOCK (12" DIA. MIN.)

3"-4"

12" MIN.

—FLOW—

1. MATERIALS - COMPOST USED FOR FILTER SOCKS SHALL BE WEED, PATHOGEN AND INSECT FREE AND FREE OF PESTICIDES, CONTAMINANTS OR OTHER MATERIALS TOXIC TO PLANT GROWTH. THEY SHALL BE DERIVED FROM A WELL-DOCUMENTED SOURCE OF ORGANIC MATTER AND CONSIST OF PARTICLES RANGING FROM 3/8" TO 2".
  2. FILTER SOCKS SHALL BE 3' OR 4' LONG, CONTINUOUS, TUBULAR, HORN 5/8" KNITTED MESH NETTING MATERIAL, FILLED WITH COMPOST PASSING THE ABOVE SPECIFICATIONS FOR COMPOST PRODUCTS.
- INSTALLATION
1. FILTER SOCKS WILL BE PLACED ON A LEVEL LINE ACROSS SLOPES, GENERALLY PARALLEL TO THE BASE OF THE SLOPE OR OTHER AREAS OFFERED FOR PROTECTION. SOCKS 2,1, ADDITIONAL SOCKS SHALL BE PROVIDED AT THE TOP AND AS NEEDED MID-SLOPE
  2. FILTER SOCKS INTERFERE WITH THE USE OF A PERMANENT FILTER OR PART OF THE NATURAL LANDSCAPE, SHALL BE SEEDED AT THE TOP OF THE SLOPE WITH SEEDS OF ESTABLISHMENT OF PERMANENT VEGETATION.
  3. FILTER SOCKS SHALL NOT BE USED IN LONG-TERM FLOW SITUATIONS OR IN RUNOFF CHANNELS.
- MAINTENANCE:
6. ROUTINELY INSPECT FILTER SOCKS AFTER EACH SIGNIFICANT RAIN, MAINTAINING FILTER SOCKS IN A FUNCTIONAL CONDITION AT ALL TIMES.
  7. REMOVE SEDIMENTS COLLECTED AT THE BASE OF THE FILTER SOCKS WHEN THE RAIN 1/3 OF THE EXPOSED HEIGHT OF THE PRACTICE.
  8. WHERE THE FILTER SOCK DETERIORATES OR FAILS, IT WILL BE REPAIRED OR REPLACED WITH A MORE EFFECTIVE ALTERNATIVE.
  9. REMOVAL - FILTER SOCKS WILL BE DISPERSED ON SITE WHEN NO LONGER REQUIRED IN SUCH A WAY AS TO FACILITATE AND NOT OBSTRUCT SEEDINGS.

NO. 2 STONE OR RECYCLED CONCRETE

PLAN

NOTES:

1. TEMPORARY TRUCK WASHOUT FACILITIES SHOULD BE CONSTRUCTED AS SHOWN ON THIS DETAIL. THE QUANTITY AND VOLUME SHOULD BE SUFFICIENT TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
2. THE WASHOUT AREA SHALL BE LOCATED ADJACENT TO A STABILIZED DRIVE/AREA.
3. CONCRETE WASTE SHALL BE CLEANED OUT PERIODICALLY TO MAINTAIN AN ADEQUATE VOLUME.
4. FOLLOWING CONSTRUCTION, THE WASHOUT SHALL BE REMOVED BY CONTRACTOR.

[illegible][illegible]

30601 RIDGE ROAD  
WICKLIFFE, OH 44092


[illegible]

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Sheet Name

C201

Sheet #  
Project # 25-013







GENERAL CONSTRUCTION NOTES:

1. GENERAL

- A. ALL WORK SHALL CONFORM TO THE APPLICABLE LOCAL CODES. (2019 RCO (IRC 2018) WITH CITY/COUNTY AMENDMENTS)
- B. WHERE APPLICABLE, ALLOWABLE STRESSES HAVE BEEN INCREASED 15% FOR SNOW, 33% SEISMIC AND 33% FOR WIND AND SEISMIC CONNECTIONS (TIMBER).
- C. ALL CODES AND STANDARDS SHALL BE THE MOST CURRENT EDITION AS OF THE DATE OF THE CALCULATIONS.
- D. THE ENGINEER IS RESPONSIBLE FOR THE STRUCTURAL ITEMS IN THE PLANS ONLY. SHOULD ANY CHANGES BE MADE FROM THE DESIGN AS DETAILED IN THESE CALCULATIONS WITHOUT WRITTEN APPROVAL FROM THE ENGINEER THEN THE ENGINEER ASSUMED NO RESPONSIBILITY FOR THE ENTIRE STRUCTURE OR ANY PORTION THEREOF. SHOULD THE RESULTS OF THE CALCULATIONS NOT BE FULLY OR PROPERLY TRANSFERRED TO THE PLANS, THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE STRUCTURE.
- E. THESE CALCULATIONS ARE BASED UPON A COMPLETED STRUCTURE. SHOULD AN UNFINISHED STRUCTURE BE SUBJECTED TO LOADS, THE ENGINEER SHOULD BE CONSULTED FOR AN INTERIM DESIGN OR IF NOT, WILL ASSUME NO RESPONSIBILITY.
- F. THE DETAILS SHOWN ON THE DRAWINGS ARE TYPICAL. SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS.

2. SITE WORK

- A. BUILDING SITES ARE ASSUMED TO BE DRAINED AND FREE OF CLAY OR EXPANSIVE SOIL. THESE CALCULATIONS ASSUME STABLE, UNDISTURBED SOILS AND LEVEL OR STEPPED FOOTINGS. ANY OTHER CONDITIONS SHOULD BE REPORTED TO THIS ENGINEER.
- B. FOUNDATIONS SHALL BEAR ON NON-EXPANSIVE NATIVE SOIL OR COMPACTED STRUCTURAL FILL. ANY LOOSE SOIL IN THE BOTTOM OF THE FOOTING EXCAVATIONS SHALL BE COMPACTED TO AT LEAST 90% RELATIVE COMPACTION OR REMOVED TO EXPOSE FIRM, UNYIELDING MATERIAL.
- C. ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL.
- D. ALL FINISHED GRADE IMMEDIATELY ADJACENT TO THE FOUNDATION SHALL BE SLOPED AWAY FROM BUILDING AT A SLOPE OF NOT, LESS THAN 6" (5 PERCENT SLOPE) IN THE FIRST 10 FEET MEASURED PERPENDICULAR TO THE FACE OF THE WALL. IMPERVIOUS SURFACES WITHIN 10 FEET OF THE BUILDING SHALL BE SLOPED A MINIMUM OF 2 PERCENT AWAY FROM THE BUILDING.
- E. THIS ENGINEER HAS NOT MADE A GEOTECHNICAL REVIEW OF THE BUILDING SITE AND IS NOT RESPONSIBLE FOR GENERAL SITE STABILITY OR SOIL SUITABILITY FOR THE PROPOSED PROJECT.

3. FILL & BACKFILL

- A. FILL MATERIAL SHALL BE FREE FROM DEBRIS, VEGETATION AND OTHER FOREIGN SUBSTANCES.
- B. BACKFILL TRENCHES SHALL BE COMPACTED TO 90% DENSITY PER ASTM D1557 TO WITHIN 12" OF FINISHED GRADE. TO TOP 12" SHALL BE LANDSCAPE FILL.
- C. BACKFILL AT PIPE TRENCHES SHALL BE COMPACTED ON BOTH SIDES OF PIPE IN 6" LIFTS.
- D. WATERPROOF EXTERIOR FACES OF ALL FOUNDATION WALL ADJACENT TO USABLE SPACES.
- E. BACKFILL AT FOUNDATION WALL SHALL BE COMPACTED TO 90% RELATIVE DENSITY, UNO.
- F. USE 4" DIAMETER PVC, UNO, PERFORATED PIPE SUB-DRAIN BEHIND ALL RETAINING WALLS. SLOPE PIPE TO DRAIN TO DAYLIGHT AND DRYWALL.

4. CONCRETE / MASONRY

- A. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2500 PSI, UNO. ALL DECK FOOTINGS SHALL HAVE A MINIMUM OF 3000 PSI FOR ALL CONCRETE AND 3500 PSI FOR ALL SLABS ON GRADE, UNO.
- B. CONCRETE SHALL BE AIR ENTRAINED TO NOT LESS THAN 5% AND NOT MORE THAN 7%.
- C. WATERPROOFING OF FOUNDATION IS THE RESPONSIBILITY OF THE OWNER.
- D. REINFORCEMENT SHALL BE GRADE 40 AS PER ASTM A615 UNO. LAP REINFORCING BAR SPLICES 40 BAR DIAMETERS, UNO.
- E. REINFORCEMENT COVER IN CAST-IN-PLACE CONCRETE SHALL BE AS FOLLOWS:
- 3" - CONCRETE CAST AGAINST PERMANENTLY EXPOSED TO EARTH.
- 1 1/2" - CONCRETE EXPOSED TO EARTH OR WEATHER WITH #5 BARS OR SMALLER.
- 1 1/2" - CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND, #11 BARS AND SMALLER.
- 1 1/2" - BEAMS, COLUMNS AND PLASTER, COVER OVER TIES.
- 1 1/2" - CLEAR TO TOP FOR REINFORCEMENT IN SLABS ON GRADE.
- F. REINFORCES CONCRETE SHALL CONFORM TO APPLICABLE REQUIREMENTS OF CBC AND ACI STANDARDS.
- G. AGGREGATE SHALL CONFORM TO ASTM C33 FOR STONE AGGREGATE.
- H. USE NORMAL WEIGHT CONCRETE (145 PCF) FOR ALL CONCRETE, UNO. USE TYPE 11 CEMENT, UNO. USE TYPE V CEMENT IF SOIL CONTAINS SULFATE CONCENTRATIONS OF 0.2% OR MORE.
- I. WEATHER PROTECTION:
1. IN HOT WEATHER, FOLLOW "RECOMMENDED PRACTICE FOR HOT WEATHER CONCRETING", ACI 305.
2. IN COLD WEATHER, FOLLOW "TOWN OF MAMMOTH AND MONO COUNTY CONCRETE COLD WEATHER PROTECTION POLICIES BASED ON RECOMMENDED PRACTICE FOR COLD WEATHER CONCRETING" ACI 306.
- J. ALL REINFORCING STEEL AND ANCHOR BOLTS SHALL BE ACCURATELY LOCATED AND ADEQUATELY SECURED IN POSITION BEFORE AND DURING PLACEMENT OF CONCRETE.
- K. ALL DETAILS OF FABRICATION AND INSTALLATION OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE ACI MANUAL OF STANDARD PRACTICE.

5. FRAMING / LUMBER

- A. ROOF PLYWOOD THICKNESS IS PER APA LOAD TABLES BASED UPON ROOF LIVE LOAD AND FRAMING SPACING.
- APPLY FACE GRAIN PERPENDICULAR TO FRAMING. STAGGER PANELS.
- B. PLYWOOD SHALL CONFORM TO APA, PS 1. SHEAR PLYWOOD SHALL BE 'EXPOSURE 1' C-D OR C-C.
- ALTERNATE SHEATING PERMANENTLY EXPOSED TO WEATHER AND/OR MOISTURE SHALL BE RATED 'EXTERIOR'.
- C. FLOOR JOISTS SHALL BE DOUGLAS FIR #2 MIN.
- D. ALL FOUNDATION STILL PLATES, NAILERS AND LEDGERS IN DIRECT CONTACT WITH CONCRETE AND WITHIN 8" OF GROUND SHALL BE PRESSURE TREATED SPF OR HEM FIR.
- E. ALL FRAMING LUMBER SHALL BE SPF #1/#2 WITH MOISTURE CONTENT LESS THAN 19%, UNO.
- F. SPLICE ALL BEAMS OVER SUPPORTS OR SAWCUT TOP 1/3 AT SUPPORT (NOT @ CANTILEVERS), UNO.
- G. WHERE POSTS WITH COLUMN CAPS, STRAPS OR BEARING PLATES ARE CALLED OUT FOR, THE LOAD IS TO BE TRANSFERRED TO THE FOUNDATION WITH POSTS AS SPECIFIED AND SOLID VERTICAL GRAIN BLOCKING SHALL BE PROVIDED @ ALL FLOOR LEVELS DOWN TO THE FOUNDATION, UNO.
- H. ALL BUILT UP, LAMINATED DOUBLE OR MULTIPLE 2X JOISTS AND BEAMS SHALL BE NAILED TOGETHER WITH (3) ROWS PF 16D NAILS AT 12" OC. STAGGERED, UNO. THREE PIECE MEMBERS SHALL BE NAILED FROM EACH SIDE.
- I. ALL 4X AND 6X POSTS, COLUMNS AND HEADERS SHALL BE D.F. #1 OR BETTER, UNO. ALL OTHER 4X AND 6X FRAMING MEMBERS SHALL BE D.F. #2 OR BETTER, UNO.
- J. ALL FRAMING MEMBERS SPECIFIED IN THESE CALCULATIONS ARE MINIMUMS, AND LARGER MEMBERS MAY BE SUBSTITUTED.
- K. ALL FLOOR OPENINGS SHALL BE BETWEEN JOISTS, UNO.
- L. DO NOT DRILL HOLES, NOTCH OR CUT INTO BEAMS, STUDS AND JOISTS UNLESS DETAILED ON THE PLANS.
- M. WHERE PRESERVATIVE TREATED WOOD IS USED IN ENCLOSED LOCATIONS WHERE DRYING CANNOT OCCUR SUCH WOOD NEEDS MOISTURE CONTENT OF 19 PERCENT OR LESS BEFORE BEING COVERED.

6. HARDWARE / STRUCTURAL STEEL

- A. CORROSION-RESISTANT FASTENERS IN TREATED WOOD.
- B. ALL HARDWARE SPECIFIED SHALL BE SIMPSON STRONG-TIE CO. (OR EQUAL) INSTALLED PER MANUFACTURER'S SPECIFICATIONS, UNO.
- C. STRUCTURAL STEEL SHALL CONFORM TO ASTM A36, UNO. PIPE COLUMNS SHALL CONFORM TO ASTM A53, TYPE E OR S, UNO.
- D. TUBE SECTIONS SHALL CONFORM TO ASTM 500, GRADE B, UNO.
- D. ALL WELDING SHALL CONFORM TO THE AMERICAN WELDING SOCIETY SPECIFICATIONS. ALL WELDING SHALL BE DONE BY WELDERS CERTIFIED BY THE LOCAL BUILDING AUTHORITY. ALL SHOP WELDING SHALL BE IN AN APPROVED FABRICATORS SHOP AUTHORIZED BY THE LOCAL BUILDING AUTHORITY OR SPECIAL INSPECTION.
- E. ALL WELDING ELECTRODES SHALL BE E70XX OR SHIELDED WIRES WITH F<sub>y</sub> GREATER THAN 70KSI.
- F. ALL NAILS SPECIFIED ARE COMMON NAILS. NO SUBSTITUTIONS UNLESS SPECIFIED ON PLANS OR IN THESE CALCULATIONS OR APPROVED IN WRITING BY ENGINEER. FOR ALL HARDWARE SPECIFIED, USE NAILS OR BOLTS PER MANUFACTURER'S RECOMMENDATIONS.
- G. ALL BOLTS SPECIFIED MUST MEET ASTM 1307. BOLT HOLES SHALL BE 1/32" TO 1/16" LARGER THAN THE SPECIFIED BOLT.
- WASHERS SHALL BE USED AT EACH BOLT HEAD AND NUT NEXT TO WOOD. ALL WASHERS TO BE NOT LESS THAN STANDARD CUT WASHERS.

STRUCTURAL/DESIGN NOTES

SOIL BEARING ALLOWABLE ASSUMED TO BE 1500 PSF. ALL EXTERIOR FOOTINGS SHALL BE PLACED 42" BELOW GRADE.

ALL FOOTING SHALL ALSO BE EMBEDDED DEEP ENOUGH THAT A 5' MIN HORIZONTAL DISTANCE TO DAYLIGHT IS ATTAINED.

COORDINATE W/ CIVIL DRAWINGS FOR FINAL LOCATION AND DIMENSIONS OF STRUCTURES AND FOUNDATIONS.

REFERENCE LAKE METROPARKS DRAWINGS FOR WOOD FRAME TRELIS, WALKWAY, AND WEDDING ARBOR LAYOUT DETAILS & COORDINATE W/ LAKE METROPARKS FOR SLAB FINISH.

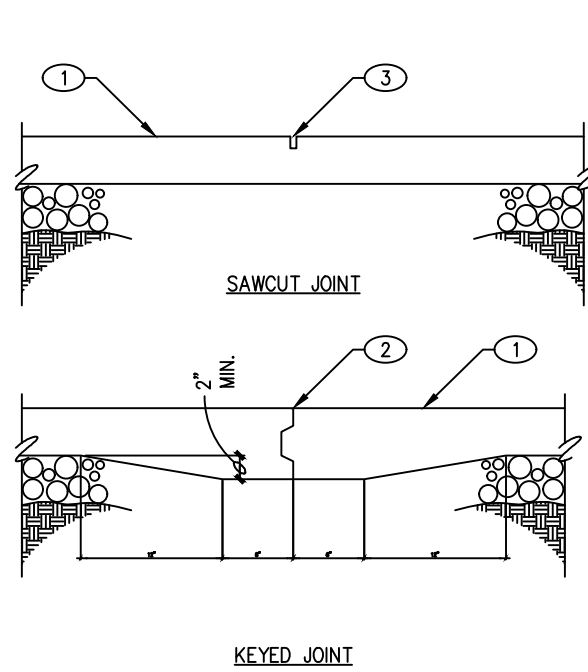
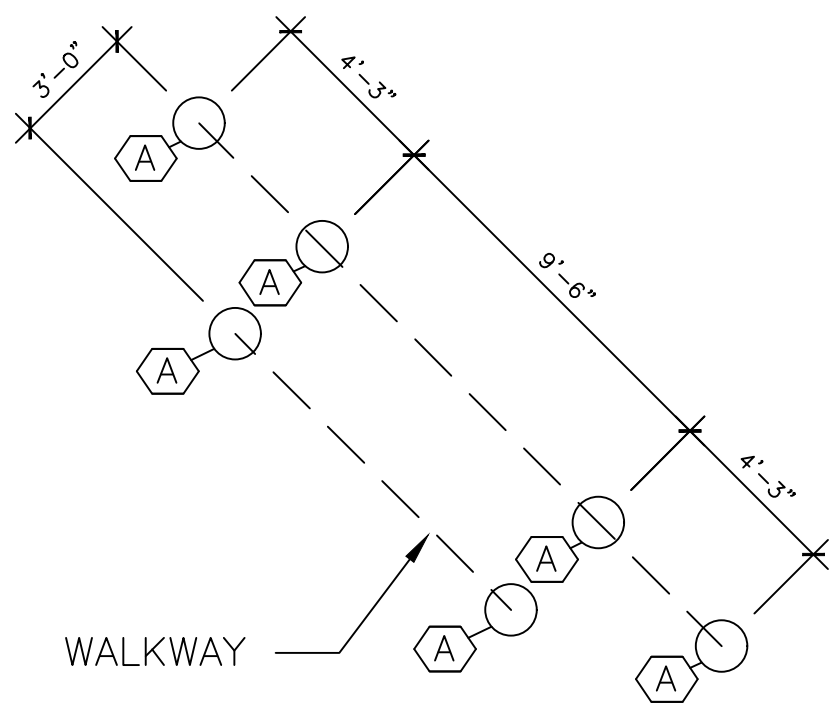
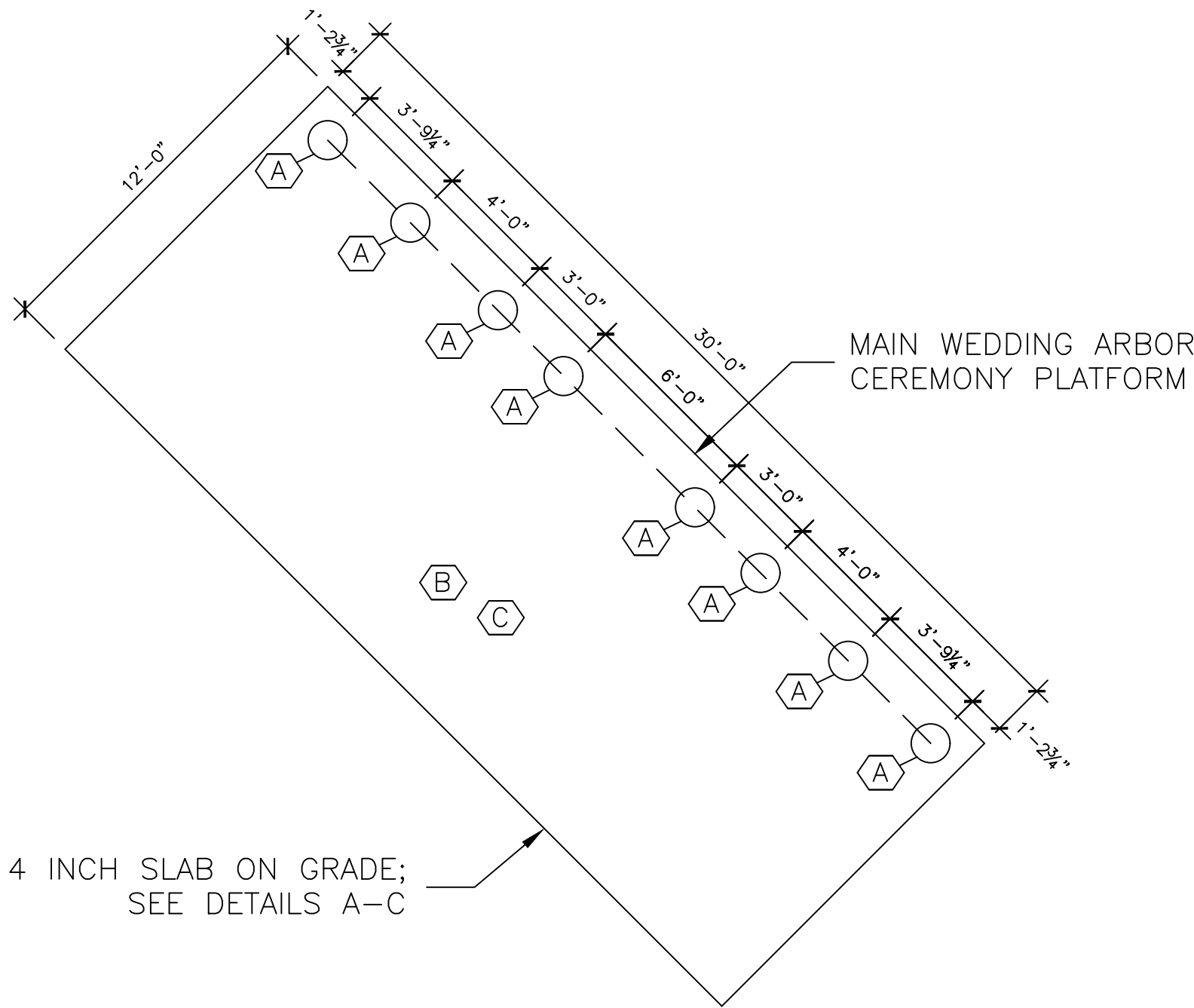
DUE TO VARIATIONS IN TEMPERATURE AND SOIL CONTENT, MINOR MOVEMENT OF THE SLAB MAY OCCUR WITHOUT INSTALLATION OF ADDITIONAL MEASURES TO PROVIDE FROST PROTECTION.

NOTES TO SUBMITTER

THE SUBMITTER IS RESPONSIBLE FOR ALL SITE SPECIFIC REQUIREMENTS, INCLUDING FLOOD PLAIN ZONES, FIRE WILDLAND URBAN INTERFACE REQUIREMENTS, EROSION CONTROL REQUIREMENTS AND ANY SIMILAR REQUIREMENTS.

DESIGN CRITERIA

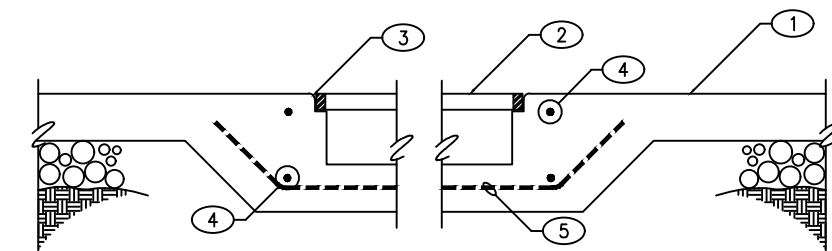
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ROOF LOAD:	5 PSF
ROOF LIVE LOAD:	20 PSF
GROUND SNOW LOAD:	30 PSF
EXPOSURE FACTOR:	1.0
SNOW IMPORTANCE FACTOR:	1.0
THERMAL FACTOR:	1.2
SNOW DRIFT:	PER CODE
ULTIMATE WIND SPEED:	115 MPH
RISK CATEGORY:	C
EXPOSURE CATEGORY:	C
SITE CLASS:	D
SEISMIC DESIGN CATEGORY:	B
S1:	0.155
S1:	0.049
SOIL BEARING CAPACITY:	1500 PSF



- KEY NOTES:
1. CONCRETE SLAB ON GRADE W/ WWF.
  2. CONTINUOUS KEYED JOINT.
  3. SAWCUT: 1/4" WIDE X 1/4" SLAB THICKNESS IN DEPTH, BUT SHALL BE MADE SOON ENOUGH TO PREVENT SHRINKAGE CRACKING, BUT NOT SO SOON AS TO CAUSE SPALLING OF THE CONCRETE WHILE SAWING. WORK MUST BE COMPLETE WITHIN 16 HOURS OF CONCRETE PLACEMENT.
  4. FINISH CONCRETE PER LAKE METROPARKS SPECIFICATIONS.

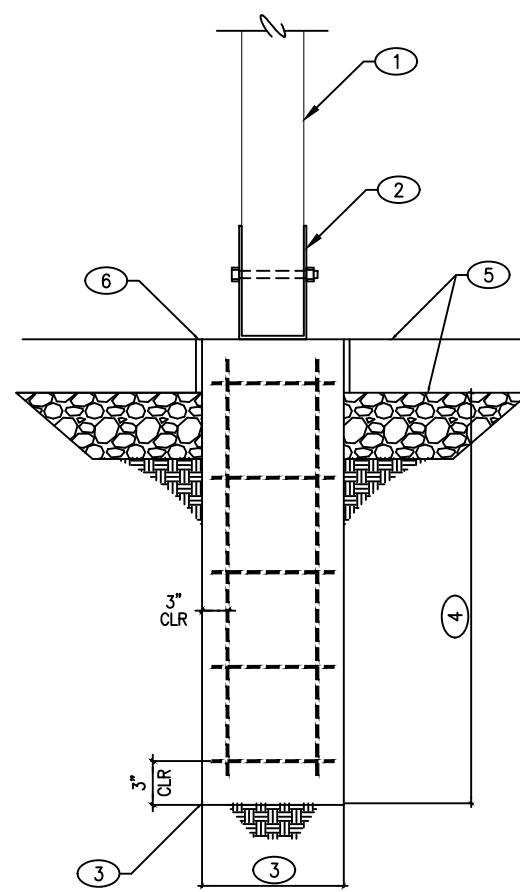
NOTE:

KEYED JOINTS NEED ONLY OCCUR AT EXPOSED EDGES DURING PLACEMENT UNLESS SPECIFICALLY NOTED ON THE PLANS. "TOOL NET JOINT", "ZIP STRIP", ETC. SHALL MATCH SAWCUT REQUIREMENTS.



TYP NO SCALE

B SLAB ON GRADE W/ CONTROL JOINTS IN CONCRETE TYP NO SCALE

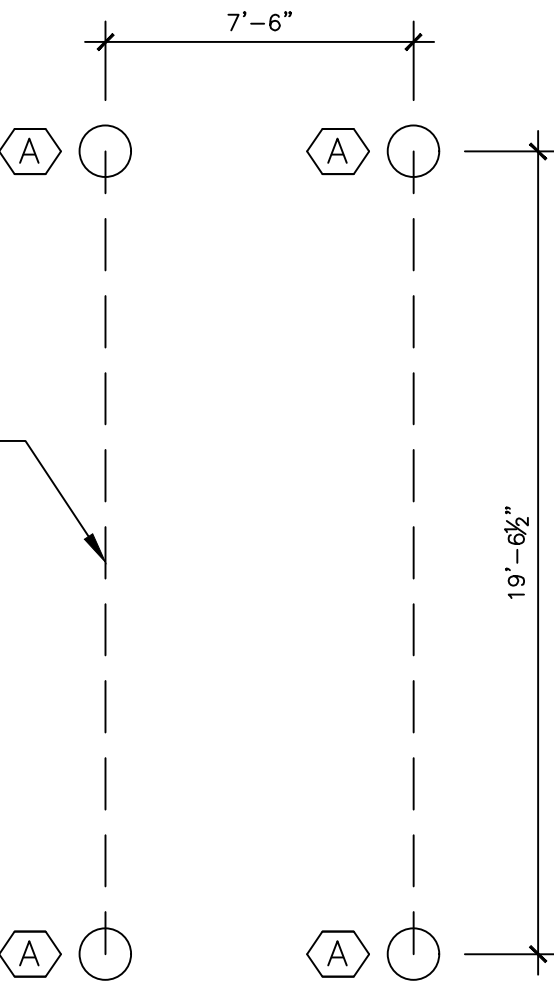


A TYP (X16) NO SCALE

- KEY NOTES:
1. 6x6 PT POST
  2. SIMPSON APYB66 POST BASE BRACKET.
  3. 15" CONCRETE PIER W/ #3 TIES @ 9" OC & (3) #4 VERTICAL BARS
  4. 42" DEPTH
  5. 4" SLAB ON GRADE W/ WWF ON COMPACTED GRAVEL BASE ON FREE DRAINING FILL PER CIVIL DRAWINGS; FINISH PER LAKE METROPARKS SPECIFICATIONS
  6. 1/2" EXPANSION JOINT MATERIAL (TYP)

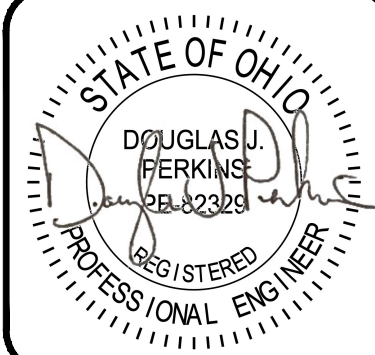
SITE PLAN

SCREENING TRELIS



SYNERGY ENGINEERING SERVICES

153 E SOUTH ST. #644, WOOSTER, OH 44691 Ph: (330) 817-5260



PROJECT: 30601 RIDGE ROAD  
PINE RIDGE WEDDING VENUE  
WICKLIFFE, OH 44092

REV.	CHNG. BY	DATE
1	DJP	07/24/25
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6		

PROJ: 251183

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