#### **OWNER:**

#### CONTRACTOR:

THE COUNTRY CLUB AT MUIRFIELD VILLAGE 8715 MUIRFIELD DRIVE DUBLIN, OHIO 43017 PHONE: 614-764-1714 SHAFFER CONSTRUCTION 3675 TRABUE ROAD COLUMBUS, OHIO 43228 PHONE: 614-488-4681

#### **SURVEYOR NOTES**

THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON ABOVE GROUN STRUCTURES AND RECORD DRAWINGS PROVIDED TO THE SURVEYOR. LOCATIONS OF UNDERGROUN UTILITIES/STRUCTURES MAY VARY FROM LOCATIONS SHOWN HEREON. ADDITIONAL BURIE UTILITIES/STRUCTURES MAY BE ENCOUNTERED. NO EXCAVATIONS WERE MADE DURING THE PROGRESS OF THIS SURVEY TO LOCATE BURIED UTILITIES/STRUCTURES.

DATE OF FIELD WORK: 05-17-20

EVERY DOCUMENT OF RECORD REVIEWED AND CONSIDERED AS A PART OF THIS SURVEY IS NOT HEREON.

SUBSURFACE AND ENVIRONMENTAL CONDITIONS WERE NOT EXAMINED OR CONSIDERED AS A PART OF THIS SURVEY. NO STATEMENT IS MADE CONCERNING THE EXISTENCE OF UNDERGROUND OR OVERHEAD CONTAINERS OR FACILITIES THAT MAY AFFECT THE USE OR DEVELOPMENT OF THIS TRACT.

#### BENCHMARKS:

AS PER THE TOPOGRAPHIC SURVEY PREPARED BY HULL & ASSOCIATES. THE CONTRACTOR AND/OR HIS SURVEYOR SHALL BE RESPONSIBLE TO CROSS CHECK ALL CONTROL FOR DISTURBANCE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

CONTROL POINTS LISTED BELOW ARE SUITABLE FOR PROJECT BENCHMARKS.

#### CONTROL POINTS

BASIS OF BEARING: TRUE NORTH, BASED ON OBSERVATIONS, GPS DATA COLLECTED WITH TRIMBLE R8 UNIT VRS CORRECTION ON OHIO STATE PLANE SOUTH ZONE COORDINATE SYSTEM, NAD83, NAVD88, GEOID 12A.

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	780295.042	1785691.960	955.38	IRON PIN SET W/YELLOW TRAV. CAP
2	780062.425	1785935.752	955.49	IRON PIN SET W/YELLOW TRAV. CAP

#### FLOODZONE INFORMATION

THE SITE IS LOCATED IN ZONE X BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY ON FLOOD INSURANCE RATE MAP, MAP NO. 39049C0019K, WITH AN EFFECTIVE DATE OF JUNE 17, 2008 IN FRANKLIN COUNTY, OHIO.

#### **STORMWATER MANAGEMENT**

SEE THE STORMWATER MANAGEMENT NARRATIVE PROVIDED ON SHEET C3.0 FOR ADDITIONAL INFORMATION.

#### **LIMIT OF DISTURBANCE**

POOL IMPROVEMENTS: 0.61 ACRES TOTAL: 0.95 ACRES

PRIVATE SITE IMPROVEMENT PLAN FOR:

# THE COUNTRY CLUB AT MUIRFIELD VILLAGE PHASE 2 SITE IMPROVEMENTS

FRANKLIN COUNTY, DUBLIN, OHIO JUNE 2021



INDEX MAP 1" = 100'

INDEX OF SHEETS				
SHEET NO. SHEET TITLE				
C1.0	COVER SHEET			
C2.0	GENERAL NOTES			
C3.0	GENERAL NOTES			
C4.0	EXISTING CONDITIONS			
C5.0	EXISTING CONDITIONS			
C6.0	OVERALL STAKING PLAN			
C7.0	PLATFORM TENNIS STAKING PLAN			
C8.0	AQUATICS STAKING PLAN			
C9.0	UTILITY PLAN			
C10.0	PLATFORM TENNIS GRADING PLAN			
C11.0	AQUATICS GRADING PLAN			
C12.0	DRAINAGE PROFILES			
C13.0	TYPICAL DETAILS			

#### **APPROVALS**

CITY OF DUBLIN SIGNATURES BELOW SIGNIFY ONLY CONCURRENCE WITH THE GENERAL PURPOSES AND THE GENERAL LOCATION OF THE PROJECT AND DO NOT CONSTITUTE ASSURANCE TO OPERATE AS INTENDED. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE PROFESSIONAL CIVIL ENGINEER PREPARING THE PLANS.

PAUL A. HAMMERSMITH, P.E.	DATE
DIRECTOR OF ENGINEERING/CITY ENGINEER	
CITY OF DUBLIN, OHIO	

JENNIFER M. RAUCH, AICP	DATE
DIRECTOR OF PLANNING	
CITY OF DUBLIN, OHIO	

REVISION		
DATE	DESCRIPTION	
05/24/21	FOR PERMIT	
06/18/21	FOR PERMIT - ADDRESS CITY COMMENTS	
	05/24/21	

Environment / Energy / Infrastructure

Project Title

E COUNTRY CLUB AT MUIRFIELD VILLA
PHASE 2 SITE IMPROVEMENTS
FRANKI IN COLINTY DUBI IN OHIO

ner:



8715 MUIRFIELD DRIVE DUBLIN, OH 43017

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lark	Description	Date
	FOR PERMIT	05/24/2021
	FOR PERMIT	06/18/2021

Project No.:	CMV005	
Plot Date:	06/18/2021	
Layout By:	EJK	
Drawn By:	AET	
Check By:	EJK	
Scale:	AS NOTED	
Issue Date:	.ILINE 2021	

Sheet Title:

**COVER SHEET** 

Sheet Number:

oer: 01 0F 1

#### PRE-CONSTRUCTION NOTICE

THESE PLANS HAVE BEEN PREPARED USING THE MOST ACCURATE INFORMATION AND DATA AVAILABLE AT THE TIME OF PREPARATION. FIELD CONDITIONS MAY BE ENCOUNTERED DURING CONSTRUCTION WHICH VARY FROM THOSE DEPICTED HEREIN. MODIFICATIONS TO THE DESIGN AS SHOWN MAY BE REQUIRED BASED ON FIELD CONDITIONS AT THE TIME OF CONSTRUCTION. IN ANY EVENT, THE ENGINEERING OBJECTIVES OF THE DESIGN SHALL BE MET. IF FIELD CONDITIONS ARE ENCOUNTERED PRIOR TO CONSTRUCTION OR DURING CONSTRUCTION THAT DIFFER SIGNIFICANTLY FROM THE CONDITIONS SHOWN ON THE PLANS, THE CONTRACTOR MUST STOP WORK AND NOTIFY THE OWNER AND ENGINEER IMMEDIATELY.



2. THE CITY ENGINEER WILL NOT BE RESPONSIBLE FOR MEANS, METHODS, PROCEDURES, TECHNIQUES, OR SEQUENCES OF CONSTRUCTION THAT ARE NOT SPECIFIED HEREIN. THE CITY ENGINEER WILL NOT BE RESPONSIBLE FOR SAFETY ON THE WORK SITE, OR FOR FAILURE BY THE CONTRACTOR TO PERFORM WORK ACCORDING TO CONTRACT DOCUMENTS.

- 3. THE DEVELOPER OR CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS INCLUDING BUT NOT LIMITED TO OHIO EPA PERMITS TO INSTALL (PTI) AND NOTICES OF INTENT (NOI), BUILDING PERMITS, ETC.
- 4. THE CONTRACTOR SHALL NOTIFY THE CITY OF DUBLIN DIVISION OF ENGINEERING IN WRITING AT LEAST 3 WORKING DAYS PRIOR TO BEGINNING
- 5. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE AND LOCAL SAFETY REQUIREMENTS INCLUDING THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970. THE CONTRACTOR SHALL EXERCISE PRECAUTION ALWAYS FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT SHALL ALSO BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS. PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. INCLUDING THE REQUIREMENTS FOR CONFINED SPACES PER 29 CFR 1910.146.
- FOLLOWING COMPLETION OF CONSTRUCTION OF THE SITE IMPROVEMENTS AND BEFORE REQUESTING OCCUPANCY, A PROOF SURVEY SHALL BE PROVIDED TO THE DIVISION OF ENGINEERING THAT DOCUMENTS "AS\_BUILT" ELEVATIONS, DIMENSIONS, SLOPES AND ALIGNMENTS OF ALL ELEMENTS OF THIS PROJECT. THE PROOF SURVEY SHALL BE PREPARED, SIGNED AND SUBMITTED BY THE PROFESSIONAL ENGINEER WHO SEALED THE CONSTRUCTIONS DRAWINGS.
- THE CONTRACTOR SHALL RESTRICT CONSTRUCTION ACTIVITY TO PUBLIC RIGHT-OF-WAY AND AREAS DEFINED AS PERMANENT AND/OR TEMPORARY CONSTRUCTION EASEMENTS, UNLESS OTHERWISE AUTHORIZED BY THE CITY ENGINEER.
- 8. THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCHMARKS, PROPERTY CORNERS, REFERENCE POINTS, STAKES AND OTHER SURVEY REFERENCE MONUMENTS OR MARKERS. IN CASES OF WILLFUL OR CARELESS DESTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATIONS. RESETTING OF MARKERS SHALL BE PERFORMED BY AN OHIO PROFESSIONAL SURVEYOR AS APPROVED BY THE CITY ENGINEER.
- 9. NON\_RUBBER TIRED VEHICLES SHALL NOT BE MOVED ON OR ACROSS PUBLIC STREETS OR HIGHWAYS WITHOUT THE WRITTEN PERMISSION OF THE CITY ENGINEER.
- 10. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO EQUAL OR BETTER CONDITION THAN EXISTED BEFORE CONSTRUCTION. DRAINAGE DITCHES OR WATERCOURSES THAT ARE DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO THE GRADES AND CROSS\_SECTIONS THAT EXISTED BEFORE CONSTRUCTION.
- 11. TRACKING OR SPILLING MUD, DIRT OR DEBRIS UPON STREETS, RESIDENTIAL OR COMMERCIAL DRIVES, SIDEWALKS OR BIKE PATHS IS PROHIBITED ACCORDING TO SECTION 97.38 OF THE DUBLIN CODE OF ORDINANCES. ANY SUCH OCCURRENCE SHALL BE CLEANED UP IMMEDIATELY BY THE CONTRACTOR AT NO COST TO THE CITY. IF THE CONTRACTOR FAILS TO REMOVE SAID MUD, DIRT, DEBRIS, OR SPILLAGE, THE CITY RESERVES THE RIGHT TO REMOVE THESE MATERIALS AND CLEAN AFFECTED AREAS, THE COST OF WHICH SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 12. DISPOSAL OF EXCESS EXCAVATION WITHIN SPECIAL FLOOD HAZARD AREAS (100-YEAR FLOODPLAIN) IS NOT PERMITTED.
- 13. ALL SIGNS, LANDSCAPING, STRUCTURES OR OTHER APPURTENANCES WITHIN RIGHT-OF-WAY DISTURBED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED OR REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER. THE COST OF THIS WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 14. ALL FIELD TILE BROKEN OR ENCOUNTERED DURING EXCAVATION SHALL BE REPLACED OR REPAIRED AND CONNECTED TO THE PUBLIC STORM SEWER SYSTEM AS DIRECTED BY THE CITY ENGINEER. THE COST OF THIS WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 15. ALL PRECAST CONCRETE PRODUCTS SHALL BE INSPECTED AT THE LOCATION OF MANUFACTURE. APPROVED PRECAST CONCRETE PRODUCTS WILL BE STAMPED OR HAVE SUCH IDENTIFICATION NOTING THAT INSPECTION HAS BEEN CONDUCTED BY THE CITY OF COLUMBUS. PRECAST CONCRETE PRODUCTS WITHOUT PROOF OF INSPECTION SHALL NOT BE APPROVED FOR INSTALLATION.
- 16. BACKFILL WITHIN A 1:1 INFLUENCE LINE OF EXISTING STRUCTURES (HOUSES, GARAGES, ETC.) OR PUBLIC INFRASTRUCTURE (PAVEMENT, CURBS, SIDEWALKS, BIKE PATHS, ETC.) SHALL BE COMPACTED GRANULAR BACKFILL ACCORDING TO ITEM 912 OF THE STANDARD SPECIFICATIONS OR FLOWABLE CDF, TYPE III ACCORDING TO ITEM 636. ITEM 911 OF THE STANDARD SPECIFICATIONS SHALL BE USED ELSEWHERE.
- 17. THE CONTRACTOR SHALL SUBMIT A COPY OF THE APPROVED CONSTRUCTION DRAWINGS AND A LIST OF PROPOSED PRECAST CONCRETE PRODUCT MANUFACTURERS TO THE CITY OF COLUMBUS CONSTRUCTION INSPECTION DIVISION BEFORE COMMENCING CONSTRUCTION.

SEND THE INFORMATION TO THE FOLLOWING ADDRESS:

CONSTRUCTION INSPECTION DIVISION CITY OF COLUMBUS 1800 EAST 17TH AVENUE

COLUMBUS, OHIO 43219

SEND A COPY OF THE TRANSMITTAL LETTER TO THE FOLLOWING ADDRESS:

DIVISION OF ENGINEERING CITY OF DUBLIN 6555 SHIER RINGS ROAD

DUBLIN, OHIO 43016

- 18. ALL TRENCHES WITHIN PUBLIC RIGHT-OF-WAY SHALL BE BACKFILLED ACCORDING TO THE APPROVED CONSTRUCTION DRAWINGS OR SECURELY PLATED DURING NONWORKING HOURS. TRENCHES OUTSIDE THESE AREAS SHALL BE BACKFILLED OR SHALL BE PROTECTED BY APPROVED TEMPORARY FENCING OR BARRICADES DURING NONWORKING HOURS. CLEAN UP SHALL FOLLOW CLOSELY BEHIND THE TRENCHING OPERATION.
- ALL TREES WITHIN THE CONSTRUCTION AREA NOT SPECIFICALLY DESIGNATED FOR REMOVAL SHALL BE PRESERVED, WHETHER SHOWN OR NOT SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS. TREES TO BE PRESERVED SHALL BE PROTECTED WITH HIGH VISIBILITY FENCING PLACED A MINIMUM 15 FEET FROM THE TREE TRUNK. TREES 6 - INCHES OR GREATER AT DBH (DIAMETER BREAST HEIGHT) MUST BE PROTECTED WITH FENCING PLACED AT THE CRITICAL ROOT ZONE OR 15 FEET, WHICHEVER IS GREATER. TREES NOT INDICATED ON THE APPROVED CONSTRUCTION DRAWINGS FOR REMOVAL MAY NOT BE REMOVED WITHOUT PRIOR APPROVAL OF THE DIVISION OF ENGINEERING.
- 20. CONDUIT MUST BE DIRECTIONALLY BORED ACROSS STREETS INSTEAD OF OPEN CUT, UNLESS SPECIFICALLY APPROVED BY THE CITY ENGINEER. USE OF PNEUMATIC AIR RAM DEVICES IS NOT PERMITTED. PERMITS TO CONSTRUCT IN THE RIGHT-OF-WAY OF EXISTING STREETS MUST BE OBTAINED FROM THE CITY OF DUBLIN DIVISION OF ENGINEERING BEFORE COMMENCING CONSTRUCTION. SHOULD OPEN CUTTING OF EXISTING PAVEMENT BE PERMITTED, CONTROLLED DENSITY BACKFILL (TYPE III) SHALL BE USED IN PLACE OF COMPACTED GRANULAR BACKFILL, ACCORDING TO ITEM 636 OF THE STANDARD SPECIFICATIONS.
- 21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONDITION OF TRENCHES WITHIN THE RIGHT-OF-WAY AND PUBLIC EASEMENTS FOR A PERIOD OF ONE YEAR FROM THE FINAL ACCEPTANCE OF THE WORK, AND SHALL MAKE ANY NECESSARY REPAIRS AT NO COST TO THE CITY.
- 22. PAVEMENTS SHALL BE CUT IN NEAT, STRAIGHT LINES THE FULL DEPTH OF THE EXISTING PAVEMENT, OR AS REQUIRED BY THE CITY ENGINEER. PAVEMENT REPLACEMENT SHALL BE CONDUCTED ACCORDING TO CITY OF COLUMBUS STANDARD DRAWING 1441 DR. A AND APPLICABLE CITY OF DUBLIN STANDARD DRAWINGS. THE REPLACEMENT OF DRIVEWAYS. HANDICAPPED RAMPS. SIDEWALKS. BIKE PATHS. PARKING LOT PAVEMENT. ETC. SHALL BE PROVIDED ACCORDING TO THE APPROVED CONSTRUCTION DRAWINGS AND CITY OF DUBLIN STANDARD CONSTRUCTION DRAWINGS.
- 23. TREE TRIMMING WITHIN THE CONSTRUCTION ZONE IS TO BE COMPLETED BY A CERTIFIED ARBORIST. AT THE COMPLETION OF THE PROJECT, THE ARBORIST IS TO RETURN AND TRIM ANY BROKEN BRANCHES AS NEEDED.
- 24. ANY MODIFICATION TO THE WORK SHOWN ON DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE CITY ENGINEER, CITY OF DUBLIN.
- 25. ALL INLETS SHALL BE CHANNELIZED.
- 26. PARK AREAS SHALL BE FINE\_GRADED AND SEEDED WITH THE FOLLOWING MIXTURE:

IMPROVED KENTUCKY BLUEGRASS: 40% OF WEIGHT (2 VARIETIES IN EQUAL PARTS) IMPROVED PERENNIAL RYE: 60% OF WEIGHT (2 VARIETIES IN EQUAL PARTS)

GERMINATION RATE: 85% APPLICATION RATE: 7 LBS PER 1000 SQ FT OR AS DIRECTED BY THE DIVISION OF PARKS AND RECREATION, CITY OF DUBLIN, OHIO.

- 27. TRAFFIC CONTROL AND OTHER REGULATORY SIGNS SHALL BE TYPE S WITH A SQUARE POST ANCHOR BASE INSTALLATION AND MEET ALL REQUIREMENTS OF ODOT TC-41.20 AND APPLICABLE CITY OF DUBLIN SPECIFICATIONS.
- 28. STREET SIGNS SHALL MEET ALL CITY OF DUBLIN SPECIFICATIONS WITH LETTERING COLORED IN WHITE DISPLAYED OVER A BROWN BACKGROUND. SIGN TUBING SHALL BE BROWN IN COLOR AND CONFORM WITH THE TYPE S, SQUARE POST ANCHOR BASE INSTALLATION REQUIREMENTS OF ODOT TC-41.20.

#### UTILITY NOTES:

THE FOLLOWING UTILITIES ARE KNOWN TO BE LOCATED WITHIN THE LIMITS OF THIS PROJECT:

INSIDE LIMITS OF DISTURBANCE: OUTSIDE LIMITS OF DISTURBANCE: 21" STORM DRAIN (73-002-CIP) 8" SANITARY SEWER (87-015-RES) CITY OF DUBLIN CITY OF DUBLIN 614-410-4750 614-410-4750

- 2. THE CONTRACTOR SHALL GIVE NOTICE OF INTENT TO CONSTRUCT TO OHIO UTILITIES PROTECTION SERVICE (OUPS) AT 811 OR 800-362-2764, OIL AND GAS PRODUCER'S UNDERGROUND PROTECTION SERVICE (OGPUPS) AT 811 OR 614-715-2984, AND TO OWNERS OF UNDERGROUND UTILITIES THAT ARE NOT MEMBERS OF A REGISTERED UNDERGROUND PROTECTION SERVICE. NOTICE SHALL BE GIVEN AT LEAST 2 WORKING DAYS, BUT NOT MORE THAN 10 WORKING DAYS BEFORE THE START OF CONSTRUCTION.
- 3. THE IDENTITY AND LOCATIONS OF EXISTING UNDERGROUND UTILITIES IN THE CONSTRUCTION AREA HAVE BEEN SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS AS ACCURATELY AS PROVIDED BY THE OWNER OF THE UNDERGROUND UTILITY. THE CITY OF DUBLIN AND THE CITY ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR DEPTHS OF UNDERGROUND FACILITIES SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS. IF DAMAGE IS CAUSED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF THE SAME AND FOR ANY RESULTING CONTINGENT DAMAGE.
- 4. LOCATION, SUPPORT, PROTECTION AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES, WHETHER SHOWN OR NOT SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICES BID FOR THE VARIOUS
- 5. WHEN UNKNOWN OR INCORRECTLY LOCATED UNDERGROUND UTILITIES ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND THE CITY ENGINEER OR HIS REPRESENTATIVE.
- 6. PUBLIC STREET LIGHTING MAY BE IN THE VICINITY OF THIS PROJECT. CONTACT THE CITY OF DUBLIN, DIVISION OF ENGINEERING AT 410-4637, TWO DAYS PRIOR TO

#### SANITARY SEWER NOTES:

BID ITEMS OF THE CONTRACT.

- 1. CONNECTIONS TO THE SANITARY SEWER WILL BE PERMITTED UPON RECEIVING AN OEPA PERMIT TO INSTALL (PTI), AND UPON RECEIVING A SATISFACTORY LETTER FROM THE DESIGN ENGINEER STATING THAT THE PROJECT HAS BEEN CONSTRUCTED AS PER THE PLANS, AND ALL OF THE CONDITIONS OF THE PTI HAVE BEEN MET. THE DEVELOPER IS RESPONSIBLE FOR OBTAINING ALL REQUIRED OHIO EPA APPROVALS AND PAYING REVIEW FEES.
- SANITARY SEWAGE COLLECTION SYSTEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RULES, REGULATIONS, STANDARDS AND SPECIFICATIONS OF THE CITY OF DUBLIN, OHIO EPA, OHIO DEPARTMENT OF HEALTH AND THE CURRENT EDITION OF THE GREAT LAKES-UPPER MISSISSIPPI RIVER BOARD (TEN STATES) -RECOMMENDED STANDARDS FOR WASTEWATER FACILITIES.
- 3. THE MINIMUM REQUIREMENTS FOR SANITARY SEWER PIPE WITH DIAMETERS 15 INCHES AND SMALLER SHALL BE REINFORCED CONCRETE PIPE ASTM C76 CLASS 3, OR PVC SEWER PIPE ASTM D3034, SDR 35. PIPE FOR 6-INCH DIAMETER HOUSE SERVICE LINES SHALL BE PVC PIPE ASTM D3034, SDR 35. PVC PIPE SHALL NOT BE USED AT DEPTHS GREATER THAN 28 FEET. PIPE MATERIALS AND RELATED STRUCTURES SHALL BE SHOP TESTED IN ACCORDANCE WITH CITY OF COLUMBUS CONSTRUCTION INSPECTION DIVISION QUALITY CONTROL REQUIREMENTS.
- 4. THE MINIMUM REQUIREMENTS FOR SANITARY SEWER PIPES WITH DIAMETERS GREATER THAN 15 INCHES SHALL BE REINFORCED CONCRETE PIPE ASTM C76 WITH CLASS DESIGNATION SPECIFIED IN THE APPROVED CONSTRUCTION DRAWINGS.
- 5. ALL IN-LINE WYE AND TEE CONNECTIONS IN CONCRETE SEWERS, 18-INCH DIAMETER AND LARGER, SHALL BE EITHER KOR-N-TEE OR KOR-N-SEAL CONNECTIONS CONFORMING TO THE MANUFACTURER'S RECOMMENDATIONS.
- 6. GRANULAR BACKFILL SHALL BE COMPACTED GRANULAR MATERIAL ACCORDING TO ITEM 912 OF THE STANDARD SPECIFICATIONS OR CONTROLLED DENSITY BACKFILL ACCORDING TO ITEM 636, TYPE III OF THE STANDARD SPECIFICATIONS AS DIRECTED BY THE CITY ENGINEER.
- 7. ALL MANHOLE LIDS SHALL BE PROVIDED WITH CONTINUOUS SELF\_SEALING GASKETS. THE APPROVED CONSTRUCTION DRAWINGS SHALL SHOW WHERE BOLT\_DOWN LIDS ARE REQUIRED. SANITARY SEWER MANHOLES SHALL BE PRECAST CONCRETE OR AS APPROVED BY THE CITY ENGINEER AND CONFORM TO THE CITY OF DUBLIN SANITARY MANHOLE STANDARD DRAWING. MANHOLE LIDS SHALL INCLUDE CITY OF DUBLIN LOGO.
- 8. ALL PVC SEWER PIPES SHALL BE DEFLECTION TESTED NO LESS THAN 60 DAYS AFTER COMPLETION OF BACKFILLING OPERATIONS. ALL OTHER REQUIREMENTS SHALL BE ACCORDING TO ITEM 901.21 OF THE STANDARD SPECIFICATIONS.
- TEMPORARY BULKHEADS SHALL BE PLACED IN PIPES AT LOCATIONS SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS AND SHALL REMAIN IN PLACE UNTIL THE PERMIT TO INSTALL (PTI) HAS BEEN ISSUED BY THE OEPA AND THE SEWERS HAVE BEEN APPROVED FOR USE BY THE CITY ENGINEER. THE COST FOR FURNISHING, INSTALLING, MAINTAINING, AND REMOVING BULKHEADS SHALL BE INCLUDED IN THE CONTRACT UNIT BID PRICE FOR THE VARIOUS SANITARY SEWER ITEMS.
- 10. ALL SANITARY SEWERS INCLUDING SANITARY SEWER SERVICE LINES SHALL BE SUBJECTED TO AND PASS INFILTRATION OR EXFILTRATION TESTS ACCORDING TO ITEM 901 OF THE STANDARD SPECIFICATIONS AND MUST BE APPROVED FOR USE BY THE CITY ENGINEER BEFORE ANY SERVICE CONNECTIONS ARE TAPPED INTO SEWERS.
- 11. FOR SANITARY SEWER INFILTRATION, LEAKAGE THROUGH JOINTS SHALL NOT EXCEED 100 GALLONS PER INCH OF TRIBUTARY SEWER DIAMETER PER 24 HOURS PER MILE OF LENGTH OR THE COMPUTED EQUIVALENT. ALL SANITARY SEWERS SHALL BE TESTED.
- 12. AT THE DETERMINATION OF THE CITY ENGINEER, THE CONTRACTOR MAY BE REQUIRED TO PERFORM A TV INSPECTION OF THE SANITARY SEWER SYSTEM PRIOR TO FINAL ACCEPTANCE BY THE CITY. THIS WORK SHALL BE COMPLETED BY THE CONTRACTOR AT HIS EXPENSE.
- 13. VISIBLE LEAKS OR OTHER DEFECTS OBSERVED OR DISCOVERED DURING TV INSPECTION SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER.
- 14. ROOF DRAINS, FOUNDATION DRAINS, FIELD TILE OR OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE STRICTLY PROHIBITED ACCORDING TO SECTION 51.23 OF THE DUBLIN CODE OF ORDINANCES.
- 15. ALL WATER LINES SHALL BE LOCATED AT LEAST 10 FEET HORIZONTALLY AND 18 INCHES VERTICALLY, FROM SANITARY SEWERS AND STORM SEWERS, TO THE GREATEST EXTENT PRACTICABLE. WHERE SANITARY SEWERS CROSS WATER MAINS OR OTHER SEWERS OR OTHER UTILITIES, TRENCH BACKFILL SHALL BE PLACED BETWEEN THE PIPES CROSSING AND SHALL BE COMPACTED GRANULAR MATERIAL ACCORDING TO ITEM 912 OF THE STANDARD SPECIFICATIONS. IN THE EVENT THAT A WATER LINE MUST CROSS WITHIN 18 INCHES OF A SANITARY SEWER. THE SANITARY SEWER SHALL BE CONCRETE ENCASED OR CONSIST OF DUCTILE IRON PIPE MATERIAL.
- 16. SERVICE RISERS SHALL BE INSTALLED WHERE THE DEPTH FROM WYES TO PROPOSED GROUND ELEVATION EXCEEDS 10 FEET. TOPS OF RISERS SHALL BE NO LESS THAN 9 FEET BELOW PROPOSED GROUND ELEVATION IF BASEMENT SERVICE IS INTENDED.
- 17. WHERE SERVICE RISERS ARE NOT INSTALLED. A MINIMUM 5 FOOT LENGTH OF SANITARY SEWER SERVICE PIPE OF THE SAME SIZE AS THE WYE OPENING SHALL BE INSTALLED.
- 18. THE CONTRACTOR SHALL FURNISH AND PLACE, AS DIRECTED, APPROVED WYE POLES MADE OF 2 INCHES X 2 INCHES LUMBER AT ALL WYE LOCATIONS, ENDS OF EXTENDED SERVICES, OR AT THE END OF EACH RISER WHERE RISERS ARE REQUIRED. WYE POLES SHALL BE VISIBLE BEFORE ACCEPTANCE BY THE CITY. THE COST OF THESE POLES SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE VARIOUS SEWER ITEMS.
- 19. EXISTING SANITARY SEWER FLOWS SHALL BE MAINTAINED AT ALL TIMES. COSTS FOR PUMPING AND BYPASSING SHALL BE INCLUDED IN THE CONTRACTOR'S UNIT PRICE BID FOR THE RELATED ITEMS.
- 20. THE CONTRACTOR SHALL FURNISH ALL MATERIAL, EQUIPMENT, AND LABOR TO MAKE CONNECTIONS TO EXISTING MANHOLES. THE SEWER PIPE TO MANHOLE CONNECTIONS FOR ALL SANITARY SEWERS SHALL BE FLEXIBLE AND WATERTIGHT. ALL HOLES SHALL BE NEATLY CORED. THE SEWER PIPE BARREL AT THE SPRINGLINE SHALL NOT EXTEND MORE THAN 1 INCH BEYOND THE INSIDE FACE OF THE MANHOLE. TO MAINTAIN FLEXIBILITY IN THE CONNECTION, A 1 INCH SPACE SHALL BE LEFT BETWEEN THE END OF THE PIPE INSIDE THE MANHOLE AND THE CONCRETE CHANNEL; THIS SPACE SHALL BE FILLED WITH A WATERPROOF FLEXIBLE JOINT FILLER. ANY METAL THAT IS USED SHALL BE TYPE 300 SERIES STAINLESS STEEL. THE CONNECTION MAY BE ANY OF THE FOLLOWING TYPES:
- A. RUBBER SLEEVE WITH STAINLESS STEEL BANDING.
  - KOR-N-SEAL AS MANUFACTURED BY NATIONAL POLLUTION CONTROL SYSTEMS, INC.
  - 2) LOCK JOINT FLEXIBLE MANHOLE SLEEVE AS MANUFACTURED BY INTERPACE CORPORATION.
- 3) OR EQUAL AS APPROVED BY THE CITY ENGINEER.
- B. RUBBER GASKET COMPRESSION.
- 1) PRESS WEDGE II AS MANUFACTURED BY PRESS\_SEAL GASKET CORPORATION
- 2) DURA SEAL III AS MANUFACTURED BY DURA TECH, INC.
- 3) LINK-SEAL AS MANUFACTURED BY THUNDERLINE CORPORATION.
- 4) OR EQUAL AS APPROVED BY THE CITY ENGINEER.

THE COST FOR THIS WORK ALONG WITH A NEW CHANNELIZED BASE FOR THE MANHOLE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE RELATED ITEMS OF

WORK.

#### SANITARY SEWER NOTES (CONT):

#### WATER LINE

- 1. ALL WATER LINE MATERIALS SHALL BE PROVIDED AND INSTALLED ACCORDING TO CURRENT SPECIFICATIONS OF THE CITY OF COLUMBUS DIVISION OF WATER.
- 2. ALL PUBLIC WATER PIPE WITH A DIAMETER 3 INCHES TO 8 INCHES SHALL BE DUCTILE IRON, CLASS 53, PUBLIC WATER PIPE 12 INCHES IN DIAMETER OR LARGER SHALL BE DUCTILE IRON, CLASS 54. PUBLIC WATER PIPE 20 INCHES IN DIAMETER OR LARGER MAY BE PRESTRESSED CONCRETE PIPE. PRIVATE WATER PIPE SHALL MEET THE APPROVAL OF THE CITY OF COLUMBUS DIVISION OF WATER PRIOR TO APPROVAL OF THE CONSTRUCTION DRAWINGS.
- 3. ONLY FIRE HYDRANTS CONFORMING TO CITY OF COLUMBUS STANDARDS WILL BE APPROVED FOR USE.
- 4. PUBLIC WATER LINES SHALL BE DISINFECTED BY THE CITY OF COLUMBUS DIVISION OF WATER. REQUESTS FOR WATER LINE CHLORINATION SHALL BE MADE THROUGH THE CITY OF DUBLIN DIVISION OF ENGINEERING. THE COST FOR CHLORINATION SHALL BE PAID FOR BY THE CONTRACTOR.
- ALL WATER LINES SHALL BE DISINFECTED ACCORDING TO ITEM 801.13 OF THE STANDARD SPECIFICATIONS. SPECIAL ATTENTION IS DIRECTED TO APPLICABLE SECTIONS OF AMERICAN WATER WORKS ASSOCIATION SPECIFICATION C\_651, PARTICULARLY FOR FLUSHING (SECTION 5) AND FOR CHLORINATING VALVES AND FIRE HYDRANTS (SECTION 7). PRESSURE TESTING SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 801.12 OF THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS. WHEN WATER LINES ARE READY FOR DISINFECTION, THE CITY OF DUBLIN SHALL SUBMIT TWO (2) SETS OF "AS-BUILT" PLANS, AND A LETTER STATING THAT THE WATER LINES HAVE BEEN PRESSURE TESTED AND NEED TO BE DISINFECTED. TO THE CITY OF COLUMBUS, DIVISION OF WATER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE DISINFECTION OF ALL WATER LINES CONSTRUCTION PER THIS PLAN. PRESSURE TESTING SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 801.12 OF THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS.
- THE CONTRACTOR SHALL PAINT ALL FIRE HYDRANTS ACCORDING TO CITY OF DUBLIN STANDARDS. THE COST OF PAINTING FIRE HYDRANTS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR FIRE HYDRANTS.
- 7. NO WATER TAPS OR SERVICE CONNECTIONS (E.G., TO CURB STOPS OR METER PITS) MAY BE ISSUED UNTIL ADJACENT PUBLIC WATER LINES SERVING THE CONSTRUCTION SITE HAVE BEEN DISINFECTED BY THE CITY OF COLUMBUS DIVISION OF WATER AND HAVE BEEN ACCEPTED BY THE CITY ENGINEER. A TAP PERMIT FOR EACH WATER SERVICE MUST BE OBTAINED FROM THE CITY OF DUBLIN AND THE CITY OF COLUMBUS DIVISION OF WATER BEFORE MAKING ANY TAPS INTO PUBLIC WATER LINES.
- 8. THE CONTRACTOR SHALL NOTIFY THE CITY OF COLUMBUS DIVISION OF WATER AT 645\_7788 AND THE CITY OF DUBLIN DIVISION OF ENGINEERING AT LEAST 24 HOURS BEFORE TAPPING INTO EXISTING WATER LINES.
- ALL WATER MAIN STATIONING SHALL BE BASED ON STREET CENTERLINE STATIONING.
- 10. ALL BENDS, JOINT DEFLECTIONS AND FITTINGS SHALL BE BACKED WITH CONCRETE PER CITY OF COLUMBUS STANDARDS.
- 11. THE CONTRACTOR SHALL GIVE WRITTEN NOTICE TO ALL AFFECTED PROPERTY OWNERS AT LEAST 1 WORKING DAY BUT NOT MORE THAN 3 WORKING DAYS PRIOR TO ANY TEMPORARY INTERRUPTION OF WATER SERVICE. INTERRUPTION OF WATER SERVICE SHALL BE MINIMIZED AND MUST BE APPROVED BY THE CITY ENGINEER.
- 12. WATER METERS SHALL BE INSTALLED INSIDE PROPOSED STRUCTURES UNLESS A METER PIT INSTALLATION IS APPROVED BY THE CITY OF COLUMBUS DIVISION OF WATER. METER PITS MUST CONFORM TO STANDARD DRAWINGS L-7103, A&B FOR 5/8" THROUGH 1" METERS OR L-6317, A, B, C&D FOR 1-1/2" OR LARGER METERS.
- 13. WATER LINES TO BE INSTALLED IN EMBANKMENT AREAS SHALL BE PLACED AFTER THE EMBANKMENT HAS BEEN PLACED AND COMPACTED ACCORDING TO THE STANDARD SPECIFICATIONS.
- 14. CURB STOP BOXES SHALL BE LOCATED AT LEAST 1 FOOT INSIDE THE RIGHT\_OF\_WAY AND SET AT FINISHED GRADE.
- 15. IF THE TOP OF THE OPERATING NUT OF ANY VALVE IS GREATER THAN 36 INCHES BELOW FINISHED GRADE, AN EXTENSION STEM SHALL BE FURNISHED TO BRING THE TOP OF THE OPERATING NUT TO WITHIN 24 INCHES OF FINISHED GRADE ELEVATION.
- 16. ALL WATER LINES SHALL BE PLACED AT A MINIMUM DEPTH OF 4 FEET MEASURED FROM TOP OF FINISHED GRADE TO TOP OF WATER LINE. WATER LINES SHALL BE SET DEEPER AT ALL POINTS WHERE NECESSARY TO CLEAR EXISTING OR PROPOSED UTILITY LINES OR OTHER UNDERGROUND RESTRICTIONS BY A MINIMUM OF 18 INCHES.
- 17. TWO ¾ INCH TAPS SHALL BE INSTALLED WITHIN 2 FEET OF THE END OF THE LINE ON ALL DEAD-END WATER LINES.

#### **USE OF FIRE HYDRANTS**

- THE CONTRACTOR SHALL MAKE PROPER ARRANGEMENTS WITH THE DUBLIN SERVICE DEPARTMENT AND THE COLUMBUS DIVISION OF WATER FOR THE USE OF FIRE HYDRANTS WHEN USED FOR WORK PERFORMED UNDER THIS CONTRACT AND PROVIDE THE CITY OF DUBLIN A COPY OF THE HYDRANT USAGE PERMIT OBTAINED FROM THE CITY OF COLUMBUS. THE CONTRACTOR SHALL ALSO SEND A COPIES OF PERMITS OBTAINED FROM DUBLIN AND COLUMBUS TO THE WASHINGTON AND/OR PERRY TOWNSHIP FIRE DEPARTMENT. PERMITS SHALL BE KEPT AT THE CONSTRUCTION SITE AT ALL TIMES.
- 2. BEFORE THE FINAL ESTIMATE IS PAID, THE CONTRACTOR SHALL SUBMIT A LETTER FROM THE CITY OF COLUMBUS DIVISION OF WATER TO THE CITY ENGINEER STATING THAT THE CONTRACTOR HAS RETURNED THE SIAMESE VALVE TO THE CITY OF COLUMBUS AND HAS PAID ALL COSTS ARISING FROM THE USE OF THE FIRE HYDRANTS.

#### STORM SEWER NOTES:

- 1. ALL STORM WATER DETENTION AND RETENTION AREAS AND MAJOR FLOOD ROUTING SWALES SHALL BE CONSTRUCTED TO FINISH GRADE AND HYDRO-SEEDED AND HYDRO-MULCHED ACCORDING TO ITEMS 203 AND 659 OF THE STANDARD SPECIFICATIONS.
- WHERE PRIVATE STORM SEWERS CONNECT TO PUBLIC STORM SEWERS, THE LAST RUN OF PRIVATE STORM SEWER CONNECTING TO THE PUBLIC STORM SEWER SHALL BE REINFORCED CONCRETE PIPE CONFORMING TO ASTM DESIGNATION C76, WALL B, CLASS IV FOR PIPE DIAMETERS 12 INCHES TO 15 INCHES, CLASS III FOR 18 INCHES TO 24 INCH PIPES, AND 27 INCHES AND LARGER PIPE SHALL BE CLASS II, UNLESS OTHERWISE SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS. INSPECTION IS REQUIRED BY THE CITY OF DUBLIN'S DIVISION OF ENGINEERING.
- 3. GRANULAR BACKFILL SHALL BE COMPACTED GRANULAR MATERIAL ACCORDING TO ITEM 912 OF THE STANDARD SPECIFICATIONS OR CONTROLLED DENSITY BACKFILL ACCORDING TO ITEM 636, TYPE III OF THE STANDARD SPECIFICATIONS AS DIRECTED BY THE CITY ENGINEER.
- 4. ALL STORM SEWERS SHALL BE REINFORCED CONCRETE PIPE CONFORMING TO ASTM DESIGNATION C76, WALL B, CLASS IV FOR PIPE DIAMETERS 12 INCHES TO 15 INCHES, CLASS III FOR 18 INCHES TO 24 INCH PIPES, AND 27 INCHES AND LARGER PIPE SHALL BE CLASS II, UNLESS OTHERWISE SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS.
- 5. HEADWALLS AND ENDWALLS SHALL BE REQUIRED AT ALL STORM SEWER INLETS OR OUTLETS TO AND FROM STORMWATER MANAGEMENT FACILITIES. NATURAL STONE AND/OR BRICK APPROVED BY THE CITY ENGINEER SHALL BE PROVIDED ON ALL VISIBLE HEADWALLS AND/OR ENDWALLS SURFACES.
- STORM INLETS OR CATCH BASINS SHALL BE CHANNELIZED AND HAVE BICYCLE SAFE GRATES. MANHOLE LIDS SHALL INCLUDE CITY OF DUBLIN LOGO AND ALL CURB INLET AND CATCH BASIN GRATES SHALL INDLUCE ENGRAVED LETTERING: "DUMP NO WASTE; DRAINS TO RIVER."
- 6. STORM SEWER OUTLETS GREATER THAN 18 INCHES IN DIAMETER ACCESSIBLE FROM STORMWATER MANAGEMENT FACILITIES OR WATERCOURSES SHALL BE PROVIDED WITH SAFETY GRATES. AS APPROVED BY THE CITY ENGINEER.

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Issue Date: Sheet Title:

**GENERAL NOTES** 

Sheet Number:

#### EROSION AND SEDIMENT CONTROL NOTES:

- 1. THE CONTRACTOR OR DEVELOPER IS RESPONSIBLE FOR SUBMITTING A NOTICE OF INTENT (NOI) TO BE REVIEWED AND APPROVED BY THE OHIO EPA. THE NOI MUST BE SUBMITTED TO OEPA 45 DAYS PRIOR TO THE START OF CONSTRUCTION AND MAY ENTITLE COVERAGE UNDER THE OHIO EPA GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY. A PROJECT LOCATION MAP MUST BE SUBMITTED WITH THE NOI. A SEDIMENT AND EROSION CONTROL PLAN MUST BE SUBMITTED TO THE CITY ENGINEER FOR APPROVAL IF A SEDIMENT AND EROSION CONTROL PLAN HAS NOT ALREADY BEEN INCLUDED WITH THE APPROVED CONSTRUCTION DRAWINGS. THIS PLAN MUST BE MADE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE DESIGN OF EROSION CONTROL SYSTEMS SHALL FOLLOW THE REQUIREMENTS OF OHIO EPA, ITEM 207 OF OHIO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, AND THE CITY ENGINEER. AN INDIVIDUAL NPDES STORMWATER DISCHARGE PERMIT MAY BE REQUIRED. THE CONTRACTOR SHALL BE CONSIDERED THE PERMITTEE.
- 2. THE CONTRACTOR SHALL PROVIDE SEDIMENT CONTROL AT ALL POINTS WHERE STORM WATER RUNOFF LEAVES THE PROJECT, INCLUDING WATERWAYS, OVERLAND SHEET FLOW, AND STORM SEWERS.
- 3. ACCEPTED METHODS OF PROVIDING EROSION/SEDIMENT CONTROL INCLUDE BUT ARE NOT LIMITED TO: SEDIMENT BASINS, SILT FILTER FENCE, AGGREGATE CHECK DAMS, AND TEMPORARY GROUND COVER. HAY OR STRAW BALES ARE NOT PERMITTED.
- 4. THE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE OF THE WORK AREA AT ALL TIMES CONSISTENT WITH EROSION CONTROL PRACTICES.
- 5. DISTURBED AREAS THAT WILL REMAIN UNWORKED FOR 30 DAYS OR MORE SHALL BE SEEDED OR PROTECTED WITHIN SEVEN CALENDAR DAYS OF THE DISTURBANCE. OTHER SEDIMENT CONTROLS THAT ARE INSTALLED SHALL BE MAINTAINED UNTIL VEGETATIVE GROWTH HAS BEEN ESTABLISHED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL TEMPORARY SEDIMENT DEVICES AT THE CONCLUSION OF CONSTRUCTION BUT NOT BEFORE GROWTH OF PERMANENT GROUND COVER.

#### TRAFFIC CONTROL NOTES:

- 1. TRAFFIC CONTROL SHALL BE FURNISHED, ERECTED, MAINTAINED, AND REMOVED BY THE CONTRACTOR ACCORDING TO OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD), CURRENT EDITION.
- 2. ALL TRAFFIC LANES OF PUBLIC ROADWAYS SHALL BE FULLY OPEN TO TRAFFIC FROM 7:00 AM TO 9:00 AM AND FROM 4:00 PM TO 6:00 PM UNLESS AUTHORIZED DIFFERENTLY BY THE ENGINEER. AT ALL OTHER HOURS THE CONTRACTOR SHALL MAINTAIN MINIMUM ONE-LANE TWO-WAY TRAFFIC.
- 3. IF THE ENGINEER DETERMINES THAT THE CONTRACTOR IS NOT PROVIDING PROPER PROVISIONS FOR TRAFFIC CONTROL, THE ENGINEER SHALL INITIATE FIELD CHANGES, SUCH AS POLICE CRUISERS, UNIFORMED POLICE OFFICERS, OR OTHER MEASURES FOR PUBLIC SAFETY AT NO COST TO THE CITY.
- 4. STEADY-BURNING. TYPE "C" LIGHTS SHALL BE REQUIRED ON ALL BARRICADES. DRUMS. AND SIMILAR TRAFFIC CONTROL DEVICES IN USE AT NIGHT.
- 5. ACCESS FROM PUBLIC ROADWAYS TO ALL ADJOINING PROPERTIES FOR EXISTING RESIDENTS OR BUSINESSES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT FOR MAIL, PUBLIC WATER AND SANITARY SEWER SERVICE, AND EMERGENCY VEHICLES. THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN DETAILING THE PROPOSED MAINTENANCE OF TRAFFIC PROCEDURES, INCORPORATING ANY TRAFFIC CONTROL DETAILS CONTAINED HEREIN. THE CONTRACTOR MUST OBTAIN APPROVAL OF THE TRAFFIC CONTROL PLAN BY THE CITY ENGINEER PRIOR TO CONSTRUCTION.
- 6. THE CONTRACTOR SHALL REPLACE WITHIN 72 HOURS, ALL TRAFFIC SIGNAL DETECTORS DAMAGED DURING CONSTRUCTION.
- 7. THE CONTRACTOR SHALL REPLACE WITHIN 24 HOURS, ALL STRIPING REMOVED OR DAMAGED BY CONSTRUCTION WORK.
- 8. THE CONTRACTOR SHALL COVER EXISTING SIGNS THAT CONFLICT WITH TEMPORARY TRAFFIC CONTROL AND REMOVE COVERS WHEN TEMPORARY TRAFFIC CONTROL IS REMOVED.
- 9. THE CONTRACTOR SHALL MAINTAIN ALL TRAFFIC CONTROL DEVICES 24 HOURS PER DAY AND 7 DAYS PER WEEK.
- 10. A FLASHING ARROW BOARD IS REQUIRED ON ALL ARTERIAL STREET LANE CLOSURES.
- 11. A MINIMUM OF 10-FOOT WIDE TRAVEL LANES MUST BE MAINTAINED UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- 12. TRENCHES MUST BE BACK FILLED OR PLATED DURING NON-WORKING HOURS.
- 13. THE TRACKING OR SPILLAGE OF MUD, DIRT, OR DEBRIS UPON STATE, COUNTY, TOWNSHIP, OR CITY STREETS IS PROHIBITED AND ANY SUCH OCCURRENCE SHALL BE CLEANED UP IMMEDIATELY BY THE CONTRACTOR.

#### GENERAL CONSTRUCTION SCHEDULE

- 1. INSTALL ROCK CONSTRUCTION ENTRANCE, IF REQUIRED
- 2. INSTALL TEMPORARY SEDIMENT CONTROL DEVICES, SUCH AS FILTER FABRIC FENCE AND CATCH BASIN INLET PROTECTION, AND RELOCATE TEMPORARY SEDIMENT CONTROL DEVICES AS NECESSARY FOR NEW TOPOGRAPHY AND AS DRAINAGE PATTERNS CHANGE THROUGHOUT CONSTRUCTION.
- 3. REMOVE AND TEMPORARILY STOCKPILE TOPSOIL OR UNSUITABLE MATERIALS IN THE AREAS DESIGNATED BY THE OWNER.
- 4. PERFORM SITE GRADING FOR THE PROPOSED IMPROVEMENTS.
- 5. PERFORM SITE STRUCTURAL CONSTRUCTION FOR THE PROPOSED IMPROVEMENTS.
- 6. INSTALL CONCRETE SURFACE.
- 7. INSTALL SITE LIGHTING (BY OTHERS).
- 8. DECOMPACT ACCESS ROUTES AND STAGING AREAS PRIOR TO PERMANENT STABILIZATION.
- 9. INSTALL LANDSCAPING (BY OTHERS).
- 10. PERFORM PERMANENT STABILIZATION FOR ALL VEGETATED AREAS.
- 11. AFTER THE SITE HAS BEEN PERMANENTLY STABILIZED (I.E. 70% GROWTH OVER VEGETATED AREAS), REMOVE TEMPORARY SEDIMENT CONTROLS.

#### EARTHWORK NOTES:

- 1. FINAL GRADES SHALL BE IN ACCORDANCE WITH THE GRADING PLAN. AS-BUILT FINAL GRADE ELEVATIONS MAY DIFFER SLIGHTLY FROM THOSE SHOWN ON THE DESIGN PLANS DUE TO FIELD CONDITIONS ENCOUNTERED DURING CONSTRUCTION ACTIVITIES. HOWEVER, THE DESIGN INTENT SHALL STILL BE MET.
- 2. FROZEN MATERIAL SHALL NOT BE UTILIZED FOR ANY GRADING ACTIVITIES, NOR SHALL CONTROLLED FILL MATERIAL BE PLACED ONTO FROZEN SUBGRADE MATERIAL. INSULATION BLANKETS, STRAW, A SACRIFICIAL SOIL LAYER, OR OTHER MEANS SHALL BE USED TO PROTECT SURFACE OR SUBGRADE MATERIAL WHEN FREEZING TEMPERATURES ARE EXPECTED. ALL FROZEN MATERIAL SHALL BE REMOVED AND DISCARDED PRIOR TO ANY GRADING ACTIVITIES.
- 3. EXCAVATIONS SHALL BE SLOPED OR BRACED AS REQUIRED BY CURRENT OSHA REGULATIONS TO PROVIDE STABILITY AND SAFE WORKING CONDITIONS. EXCAVATIONS SHALL BE SHORED, SLOPED, OR BENCHED AS REQUIRED, TO MAINTAIN STABILITY OF BOTH THE EXCAVATION SIDES AND BOTTOM. ALL EXCAVATIONS SHALL COMPLY WITH APPLICABLE LOCAL, STATE AND FEDERAL SAFETY REGULATIONS, INCLUDING THE CURRENT OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION (OSHA) EXCAVATION AND TRENCH SAFETY STANDARDS.

#### DRAINAGE NOTES:

- DURING CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE AND PROPER SOIL EROSION CONTROL MEASURES FOR PROTECTION OF ALL ADJACENT ROADS AND LANDS, PER THESE PLANS.
- 2. THE CONTRACTOR SHALL CONTROL STORMWATER ON THE SITE AND MINIMIZE EROSION AND TRANSPORTATION OF SEDIMENT-LADEN WATER OFF THE SITE IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES DESIGN DETAILS AND SPECIFICATIONS OUTLINED IN THE CURRENT VERSION OF THE OHIO DEPARTMENT OF NATURAL RESOURCES (ODNR) "RAINWATER AND LAND DEVELOPMENT MANUAL"
- 3. THE CONTRACTOR SHALL CONTINUALLY CONTROL ALL GROUNDWATER AND/OR SURFACE WATER AS NECESSARY TO PERFORM THE CONSTRUCTION ACTIVITIES. THIS WORK INCLUDES CONSTRUCTING THE NECESSARY TEMPORARY DRAINAGE CHANNELS AND DIVERSIONS, AND FURNISHING, INSTALLING AND OPERATING ALL NECESSARY PUMPS, PIPING AND OTHER APPROPRIATE MEASURES NEEDED TO MAINTAIN THE SITE.
- 4. ALL PUMP DISCHARGES, NOT INTO AN APPROVED BMP, SHALL BE PROTECTED BY SILT BAGS.

#### SURVEY NOTES:

- 1. THE CONTRACTOR SHALL REFERENCE ALL IRON PINS AND MONUMENTS BEFORE EXCAVATING AT OR NEAR SAID IRON PINS OR MONUMENTS. IF ANY PINS OR MONUMENTS ARE DESTROYED OR DAMAGED BY THE CONTRACTOR, THEY SHALL BE ACCURATELY REPLACED BY A REGISTERED SURVEYOR IN THE STATE OF OHIO AT THE COMPLETION OF THE PROJECT, AT CONTRACTOR'S COST.
- 2. HORIZONTAL AND VERTICAL CONTROL SHALL BE ESTABLISHED BY THE CONTRACTOR FOR THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED SURVEYS TO COMPLETE THE PROJECT INCLUDING REESTABLISHMENT OF CONTROL POINTS, PROJECT LAYOUT, AND STAKING OF EASEMENTS.
- 3. THE CONTRACTOR SHALL SUPPLY THE RESOURCES NECESSARY TO LAY OUT AND VERIFY THE LOCATION, ALIGNMENT, ELEVATION, AND GRADE OF THE WORK AS SHOWN, OR DESCRIBED, IN THE DRAWINGS.
- 4. ALL WORK SHALL BE CONSTRUCTED TO THE LINES AND GRADES SHOWN ON THE DRAWINGS. SURPLUS OR UNSUITABLE MATERIALS SHALL BE PLACED ON-SITE AT LOCATIONS APPROVED BY THE OWNER.

#### RUNOFF, SEDIMENTATION AND EROSION CONTROL NOTES

- 1. ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATIONS AT THE DISCRETION OF THE OWNER, ENGINEER, AND CITY ENGINEER.
- 2. THE CONTRACTOR SHALL PROVIDE SEDIMENT CONTROL USING BMP INSTALLATION OR CONSTRUCTION SEQUENCING TECHNIQUES AT ALL POINTS WHERE PROJECT WATERS LEAVE THE LIMITS OF THE PROJECT, ALL POINTS WHERE PROJECT WATERS ENTER PORTIONS OF EXISTING UNDERGROUND PIPING, AND AROUND ANY AREA DESIGNATED FOR SOIL STOCKPILING OR MATERIAL STAGING.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL TEMPORARY SEDIMENT DEVICES AT THE CONCLUSION OF CONSTRUCTION BUT NOT BEFORE STABILIZATION OF PERMANENT EROSION CONTROLS.
- 4. SEDIMENT CONTROL STRUCTURES AND SETTLING FACILITIES SHALL BE INSTALLED DURING CONSTRUCTION ACTIVITIES AS SHOWN IN THIS PLAN AND AS NEEDED TO PREVENT THE TRANSPORT OF SEDIMENT LADEN STORMWATER OFF THE SITE, IN ACCORDANCE WITH THE GENERAL CONSTRUCTION SCHEDULE ON THIS SHEET. THE SEDIMENT CONTROL STRUCTURES AND SETTLING FACILITIES SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT AND UNTIL FINAL STABILIZATION IS ACHIEVED. SEDIMENT BASINS/TRAPS AND PERIMETER SEDIMENT CONTROLS SHALL BE IMPLEMENTED AS THE FIRST STEP OF GRADING AND WITHIN SEVEN (7) DAYS FROM THE START OF GRUBBING. UPON COMPLETION OF CONSTRUCTION OF BASINS/TRAPS, SEEDING AND MULCHING SHALL IMMEDIATELY FOLLOW TO AID IN THE STABILIZATION AND MINIMIZE EROSION AND SEDIMENT TRANSPORT OF THE SOIL BEFORE WATER LEAVES THE BASINS/TRAPS. ALL EROSION AND SEDIMENT CONTROLS SHALL BE MAINTAINED TO FUNCTION UNTIL UPLAND AREAS ARE PERMANENTLY STABILIZED.
- WHERE NOT OTHERWISE NOTED OR SHOWN, ALL EROSION AND SEDIMENT CONTROL PRACTICES SPECIFIED ON THIS PLAN SHALL CONFORM WITH DETAILS AND SPECIFICATIONS OUTLINED IN THE CURRENT VERSION OF THE OHIO DEPARTMENT OF NATURAL RESOURCES (ODNR) "RAINWATER AND LAND DEVELOPMENT MANUAL".
- EROSION AND SEDIMENT CONTROL PRACTICES NOT ALREADY SPECIFIED ON THIS PLAN MAY BE NECESSARY DUE TO UNFORESEEN ENVIRONMENTAL CONDITIONS, CONSTRUCTION PHASING, AND/OR CHANGES IN DRAINAGE PATTERNS CAUSED BY EARTH-MOVING ACTIVITY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ADJUST RUNOFF, EROSION, AND SEDIMENT CONTROLS ACCORDINGLY.

#### **INSPECTION & MAINTENANCE NOTES:**

- 1. THE CONTRACTOR WILL BE RESPONSIBLE FOR KEEPING ROADWAYS CLEAN BY REMOVING ALL SOIL FROM THE ROADWAY. TRACKING OF SEDIMENT ONTO ROADWAYS BY VEHICLES SHALL BE MINIMIZED BY UTILIZING A STABILIZED CONSTRUCTION ENTRANCE AS THE ONLY ENTRANCE FOR VEHICLES. THIS ENTRANCE SHALL BE MAINTAINED WITH STONE AS NEEDED TO PREVENT DIRT AND MUD FROM TRACKING ONTO THE ROADWAY.
- 2. THE CONTRACTOR SHALL INSPECT RUNOFF, EROSION, AND SEDIMENT CONTROLS DURING CONSTRUCTION OPERATIONS, AFTER RAIN EVENTS, AND ON A WEEKLY BASIS TO IDENTIFY MAINTENANCE ITEMS.
- THE CONTRACTOR SHALL PERFORM PROPER MAINTENANCE AND INSPECTIONS OF RUNOFF, SEDIMENTATION AND EROSION CONTROLS PER THE PROCEDURES AND FREQUENCY OUTLINED ON THIS SHEET. REGULAR INSPECTIONS AND MAINTENANCE BY THE CONTRACTOR SHALL BE PROVIDED FOR ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL PRACTICES. PERMANENT RECORDS OF MAINTENANCE AND INSPECTION ACTIVITIES SHALL BE KEPT ON-SITE THROUGHOUT THE CONSTRUCTION PERIOD. INSPECTIONS MUST BE MADE AT A MINIMUM OF ONCE EVERY 7 DAYS AND IMMEDIATELY AFTER STORM EVENTS GREATER THAN 0.5 INCHES OF RAIN IN A 24-HOUR PERIOD. PROVIDE NAME OF INSPECTOR, DATE OF INSPECTION, MAJOR OBSERVATIONS (IDENTIFY TYPE AND LOCATION OF EACH SEPARATE BEST MANAGEMENT PRACTICE (BMP) REQUIRING ATTENTION, DESCRIBE CONDITION OF DAMAGED BMP, SPECIFY TYPE OF REMEDIAL ACTION REQUIRED, ETC.), AND SPECIFIC CORRECTIVE MEASURES TAKEN SINCE THE TIME OF THE PREVIOUS INSPECTION TO ACHIEVE COMPLIANCE WITH THE REQUIREMENTS OF THIS PLAN. ALL CORRECTIVE MEASURES SHALL BE MADE TO PROTECT AGAINST FURTHER FRAILER AS SOON AS POSSIBLE.

MAINTENANCE AND/OR REPAIR SHALL OCCUR AS DETAILED BELOW:

CORRECTIVE MEASURES SHALL BE MADE TO PROTECTED AGAINST FURTHER FAILURE AS SOON AS POSSIBLE.

- a. WHEN PRACTICES REQUIRE REPAIR OR MAINTENANCE. IF THE INSPECTION REVEALS THAT A CONTROL PRACTICE IS IN NEED OF REPAIR OR MAINTENANCE, WITH THE EXCEPTION OF A SEDIMENT BASIN, IT MUST BE REPAIRED OR MAINTAINED WITHIN THREE (3) DAYS OF THE INSPECTION. SEDIMENT SETTLING PONDS MUST BE REPAIRED OR MAINTAINED WITHIN TEN (10) DAYS OF THE INSPECTION.
- b. WHEN PRACTICES FAIL TO PROVIDE THEIR INTENDED FUNCTION. IF THE INSPECTION REVEALS THAT A CONTROL PRACTICE FAILS TO PERFORM ITS INTENDED FUNCTION AND THAT ANOTHER, MORE APPROPRIATE CONTROL PRACTICE IS REQUIRED, THIS PLAN MUST BE AMENDED AND THE NEW CONTROL PRACTICE MUST BE INSTALLED WITHIN TEN (TEN) DAYS OF THE INSPECTION.
- c. WHEN PRACTICES DEPICTED ON THIS PLAN ARE NOT INSTALLED. IF THE INSPECTION REVEALS THAT A CONTROL PRACTICE HAS NOT BEEN IMPLEMENTED IN ACCORDANCE WITH THE SCHEDULE, THE CONTROL PRACTICE MUST BE IMPLEMENTED WITHIN TEN (10) DAYS FROM THE DATE OF THE INSPECTION. IF THE INSPECTION REVEALS THAT THE PLANNED CONTROL PRACTICE IS NOT NEEDED, THE RECORD MUST CONTAIN A STATEMENT OF EXPLANATION AS TO WHY THE CONTROL PRACTICE IS NOT NEEDED.
- 5. ACCUMULATED SEDIMENT SHALL BE REMOVED FROM ALL CONTROLS BEFORE SEDIMENT OVERTOPS THE BARRIER. IT SHOULD TYPICALLY BE REMOVED WHEN THE SEDIMENT REACHES ONE-HALF THE BARRIER HEIGHT OR WHEN IT CAUSES THE BARRIER TO BULGE.
- 6. SEEDED AREAS SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL THE SITE REACHES FINAL STABILIZATION. FINAL STABILIZATION MEANS THE VEGETATION HAS ESTABLISHED UNIFORM PERENNIAL VEGETATIVE COVER (E.G., EVENLY DISTRIBUTED, WITHOUT LARGE BARE AREAS) WITH A DENSITY OF AT LEAST 70 PERCENT GRASS COVER FOR A PERIOD OF 1 YEAR FROM THE TIME OF PLANTING. ONCE FINAL STABILIZATION HAS BEEN ACHIEVED, THE CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES.

#### STORMWATER MANAGEMENT:

STORMWATER MANAGEMENT OF THE PROPOSED PLATFORM TENNIS COURTS AND AQUATICS AREA AND SITE REDEVELOPMENT HAS BEEN EVALUATED AS ONE COMPLETE PROJECT IN TERMS OF CUMULATIVE EFFECTS RATHER THAN TWO SEPARATE PROJECTS. THE EXISTING STORMWATER NETWORK CONSISTS OF MULTIPLE PRIVATE AND PUBLIC CATCH BASIN INLETS AND STORM SEWERS WHICH ALL ROUTE TO AN EXISTING STRUCTURE EAST OF MUIRFIELD DRIVE APPROXIMATELY 315 FEET EAST OF THE PROJECT (DUBSCOVERY FACILITY ID 11213, 73-002-CIP). AS SUCH, BOTH THE PLATFORM TENNIS COURTS AND AQUATICS AREA ARE LOCATED WITHIN THE SAME TRIBUTARY AREA AND HAVE BEEN EVALUATED ACCORDINGLY.

THE PROJECT PROPOSES AN UNCOMPACTED ODOT NO. 57 GRAVEL LAYER BENEATH THE PLATFORM TENNIS COURTS. THE UNCOMPACTED GRAVEL LAYER WILL PROVIDE STORAGE DURING THE INITIAL STAGES OF A PRECIPITATION EVENT AND FOR THAT REASON WE HAVE ASSUMED THIS MATERIAL TO BE MORE PERVIOUS THAN A TRADITIONAL COMPACTED GRAVEL ROAD LAYER. ADDITIONALLY, THE PROJECT PROPOSES TO RESTORE 6,428 SQUARE FEET OF EXISTING ASPHALT TO VEGETATION COVER. THE CONVERTED AREA INCLUDES THE TENNIS PARKING LOT AND AN ELIMINATED ASPHALT PATH EAST OF THE AQUATICS AREA. THESE DESIGN MEASURES RESULT IN A CUMULATIVE NET <u>DECREASE</u> OF 628 SQUARE FEET OF IMPERVIOUS AREA FOR THE PROJECT.

A FEASIBILITY ASSESSMENT WAS PERFORMED PER TABLE 2-3 AND TABLE D-2 OF THE STORMWATER MANAGEMENT DESIGN MANUAL. THE USE OF A POROUS NO. 57 GRAVEL LAYER BENEATH THE PLATFORM TENNIS COURTS HAS BEEN SPECIFIED TO PROVIDE BOTH STORAGE AND FILTRATION TO ADDRESS WATER QUANTITY AND IMPROVE WATER QUALITY WHEN COMPARED TO AN ALTERNATIVE DESIGN OF ASPHALT BASE BELOW THE COURTS.

ADDITIONAL DESIGN, TREATMENT AND CONTROL MEASURES WERE DETERMINED TO BE INFEASIBLE BASED ON REASONING ALLOWED IN APPENDIX D, TABLE D-3 OF THE STORMWATER MANAGEMENT DESIGN MANUAL, E.G., SITE RE-GRADING TO THE POINT OF PERMANENT INTERFERENCE WITH THE EXISTING USE OF THE SITE, MECHANICAL ROUTING OF STORMWATER, AND REMOVAL OF MATURE TREES.

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Project Title:

HE COUNTRY CLUB AT MUIRFIELD VILLA
PHASE 2 SITE IMPROVEMENTS
FRANKI IN COLINTY DUBI IN OHIO

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Owner:



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Check By: EJK

Scale: AS NOTED

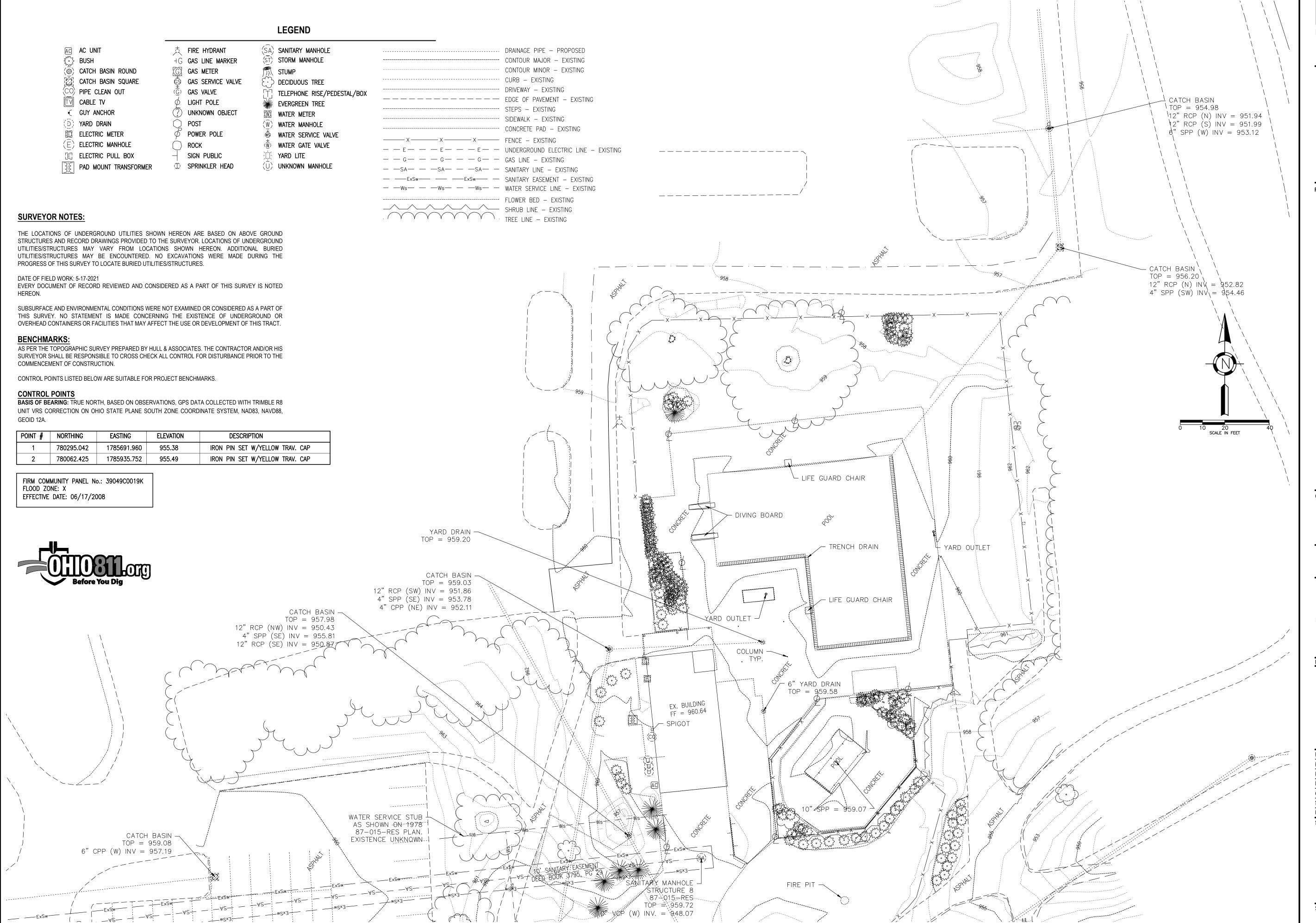
Issue Date: JUNE 2021

Sheet Title:

**GENERAL NOTES** 

Sheet Number:

03 OF 13





Hull & Associates, Inc. 6397 Emerald Parkway Phone: (614) 793-8777 Fax: (614) 793-9070 www.hullinc.com Dublin, OH 43016

Project Title:

THE COUNTRY CLUB MUIRFIELD VILLAGE

8715 MUIRFIELD DRIVE **DUBLIN. OH 43017** 

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	FOR PERMIT	06/18/2021
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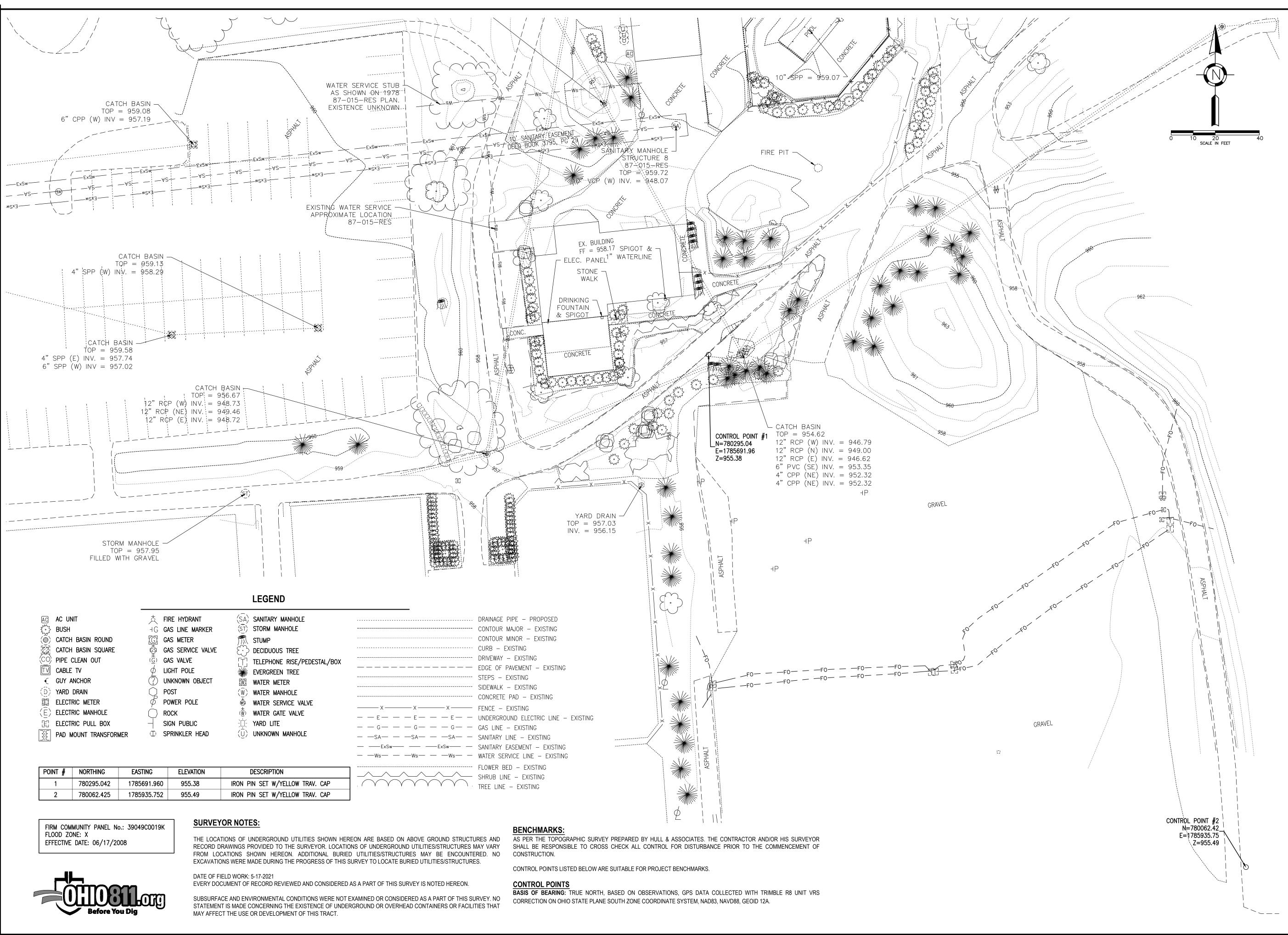
CMV005 Project No.: 06/18/2021 Plot Date: EJK Layout By: aet Drawn By: EJK as noted Issue Date: JUNE 2021

**EXISTING** CONDITIONS

Sheet Number:

04 OF 13

C4.0





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Phone: (614) 793-8 Fax: (614) 793-907 www.hullinc.com

Project Title:

IE COUNTRY CLUB AT MUIRFIELD VILLAG PHASE 2 SITE IMPROVEMENTS FRANKLIN COUNTY, DUBLIN, OHIO

THE COUNTRY CLUB

8715 MUIRFIELD DRIVE DUBLIN, OH 43017

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 Date

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 FOR PERMIT
 06/18/2021

Project No.: CMV005

Plot Date: 06/18/2021

Layout By: EJK

Drawn By: AET

Check By: EJK

Scale: AS NOTED

Issue Date: JUNE 2021

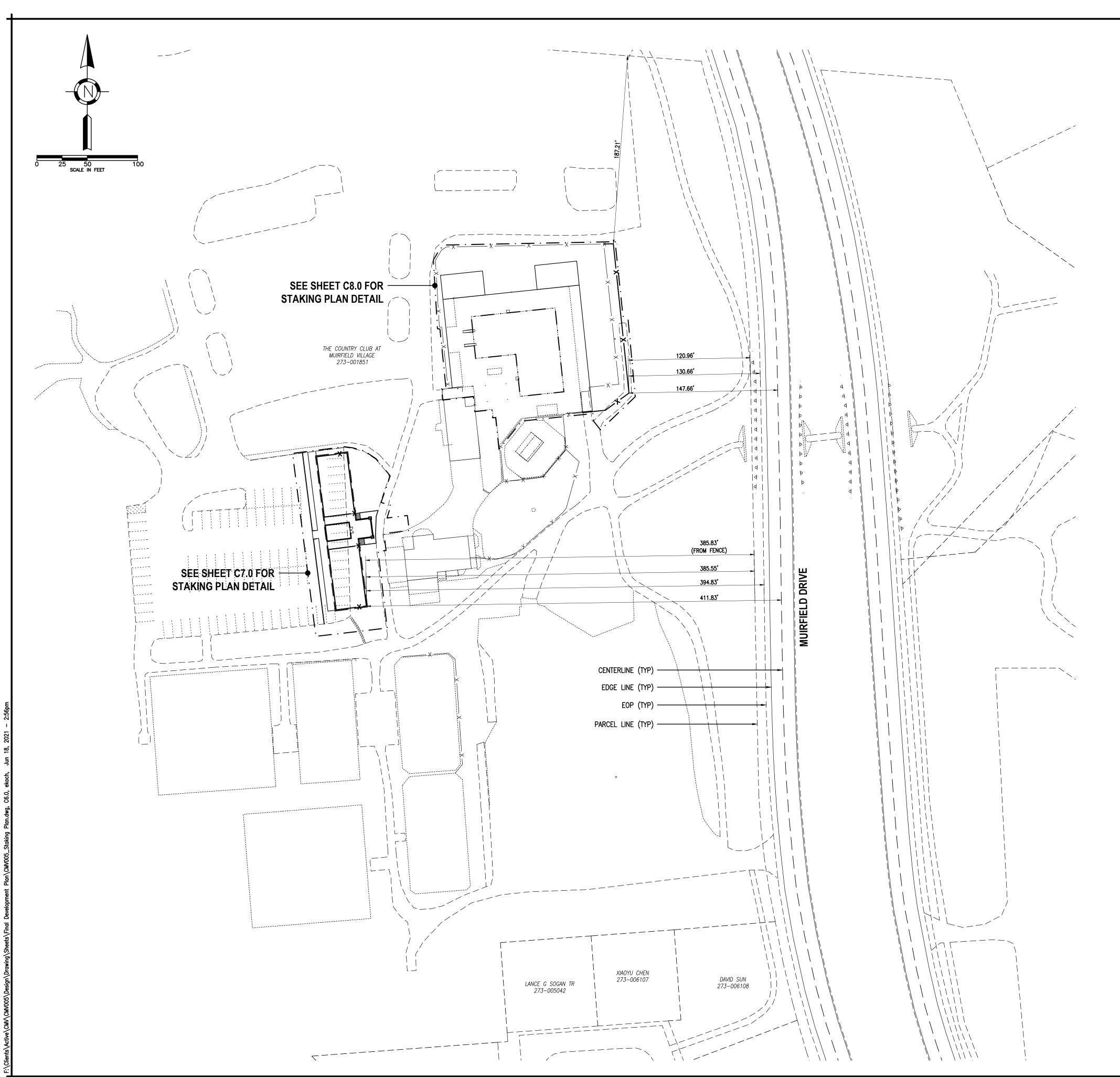
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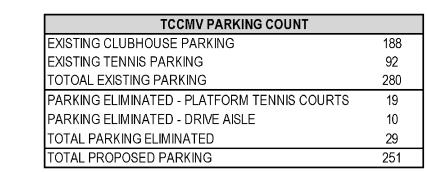
EXISTING CONDITIONS

Sheet Number:

05 OF

C5.0





POOL EXPANSION				
LAND COVER	PRE-CONSTRUCTION	POST-CONSTRUCTION	DELTA	
IMPERVOUS - CONCRETE	9762 SQ.FT.	13743 SQ.FT.	3981 SQ.FT.	
IMPERVIOUS - ASPHALT	1053 SQ.FT.	0 SQ.FT.	-1053 SQ.FT.	
PERVIOUS - VEGETATIVE	15633 SQ.FT.	12705 SQ.FT.	-2928 SQ.FT.	
TOTAL	26448 SQ.FT.	26448 SQ.FT.		

PLATFORM TENNIS				
LAND COVER PRE-CONSTRUCTION POST-CONSTRUCTION DELTA				
IMPERVIOUS - ASPHALT	8050 SQ.FT.	2505 SQ.FT.	-5545 SQ.FT.	
IMPERVIOUS - CONCRETE	0 SQ.FT.	1605 SQ.FT.	1605 SQ.FT.	
IMPERVIOUS - ROOF	0 SQ.FT.	384 SQ.FT.	384 SQ.FT.	
PERVIOUS - VEGETATIVE	6664 SQ.FT.	5618 SQ.FT.	-1046 SQ.FT.	
PERVIOUS - GRAVEL	0 SQ.FT.	4602 SQ.FT.	4602 SQ.FT.	
TOTAL	14714 SQ.FT.	14714 SQ.FT.		

CUMULATIVE PROJECT SUMMARY				
LAND COVER	PRE-CONSTRUCTION	POST-CONSTRUCTION	DELTA	
IMPERVIOUS	18865 SQ.FT.	18237 SQ.FT.	-628 SQ.FT.	
PERVIOUS	22297 SQ.FT.	22925 SQ.FT.	628 SQ.FT.	
TOTAL	41162 SQ.FT.	41162 SQ.FT.		

Environment / Energy / Infrastructure

Hull & Associates, Inc. 6397 Emerald Parkway Suite 200 Phone: (614) 793-8777 Fax: (614) 793-9070 Dublin, OH 43016 www.hullinc.com

Project Title:

HE COUNTRY CLUB AT MUIRFIELD VILLAGE PHASE 2 SITE IMPROVEMENTS FRANKLIN COUNTY, DUBLIN, OHIO

Owner:



8715 MUIRFIELD DRIVE DUBLIN, OH 43017

MUIRFIELD VILLAGE

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	FOR PERMIT	05/24/2021	
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Project No.:	CMV005	
Plot Date:	06/18/2021	
Layout By:	EJK	
Drawn By:	AET	
Check By:	EJK	
Scale:	AS NOTED	
Issue Date:	JUNE 2021	

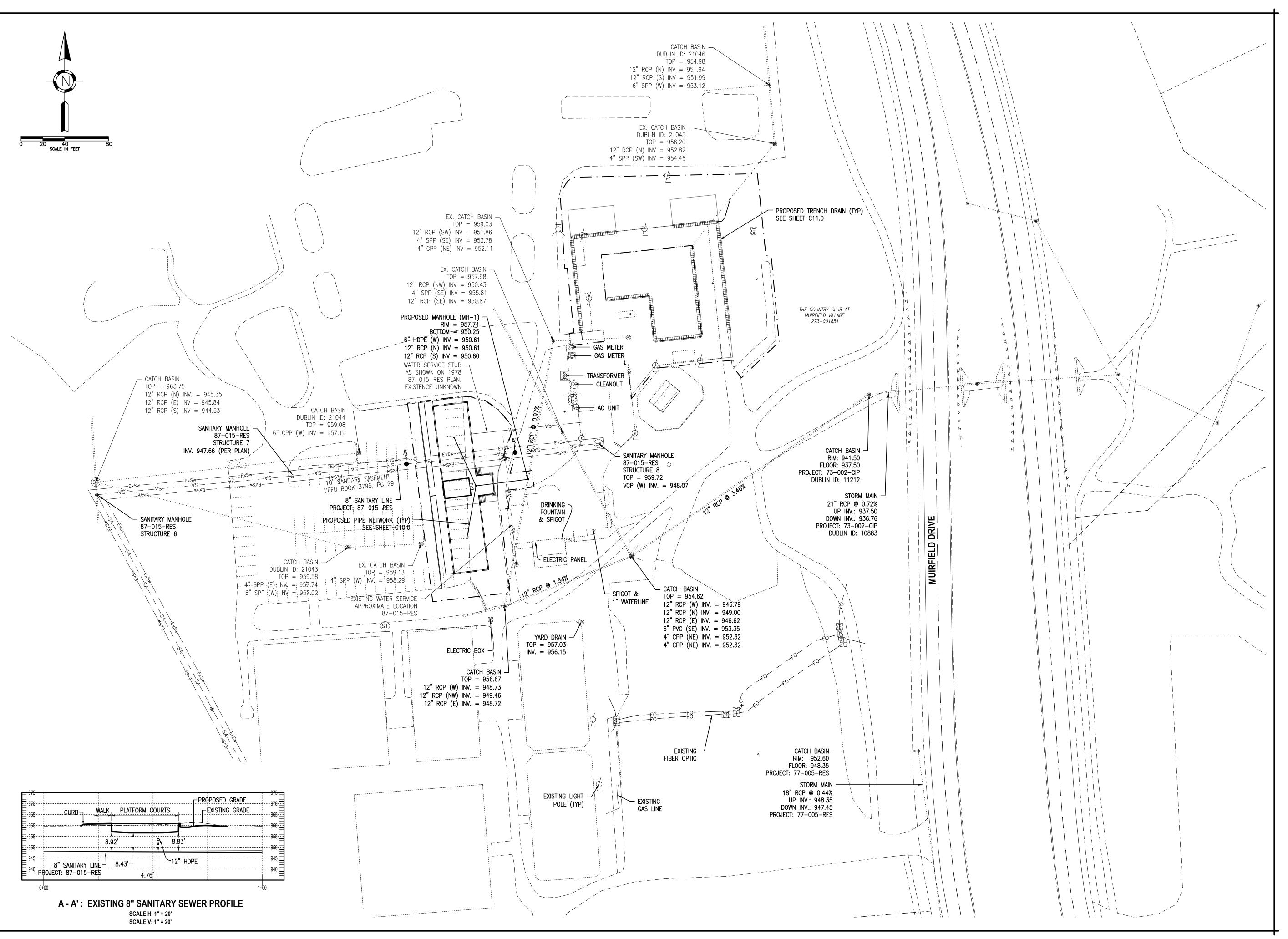
Sheet Title:

OVERALL STAKING PLAN

Sheet Number:

06 OF 13

C6.0



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Project Title:

IE COUNTRY CLUB AT MUIRFIELD VILLAGE PHASE 2 SITE IMPROVEMENTS FRANKLIN COUNTY, DUBLIN, OHIO

Owner:

THE COUNTRY CLUB

8715 MUIRFIELD DRIVE DUBLIN, OH 43017

MUIRFIELD VILLAGE

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Project No.:	CMV005	
Plot Date:	06/18/2021	
Layout By:	EJK	
Drawn By:	AET	
Check By:	EJK	
Scale:	AS NOTED	
Issue Date:	JUNE 2021	

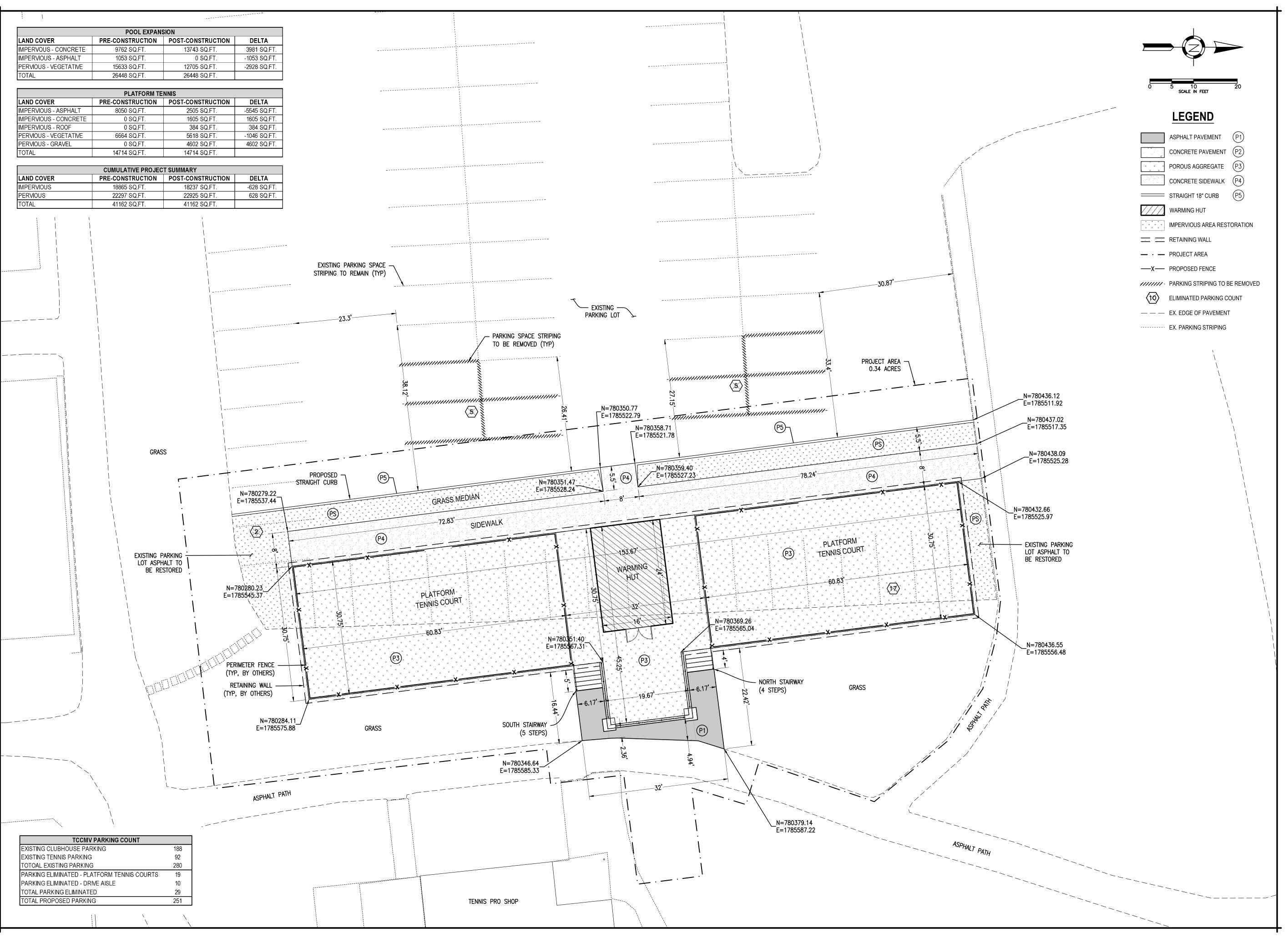
Sheet Title:

**UTILITY PLAN** 

Sheet Number:

07 OF 13

C9.0





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Project Title:

THE COUNTRY CLUB MUIRFIELD VILLAGE

8715 MUIRFIELD DRIVE **DUBLIN, OH 43017** 

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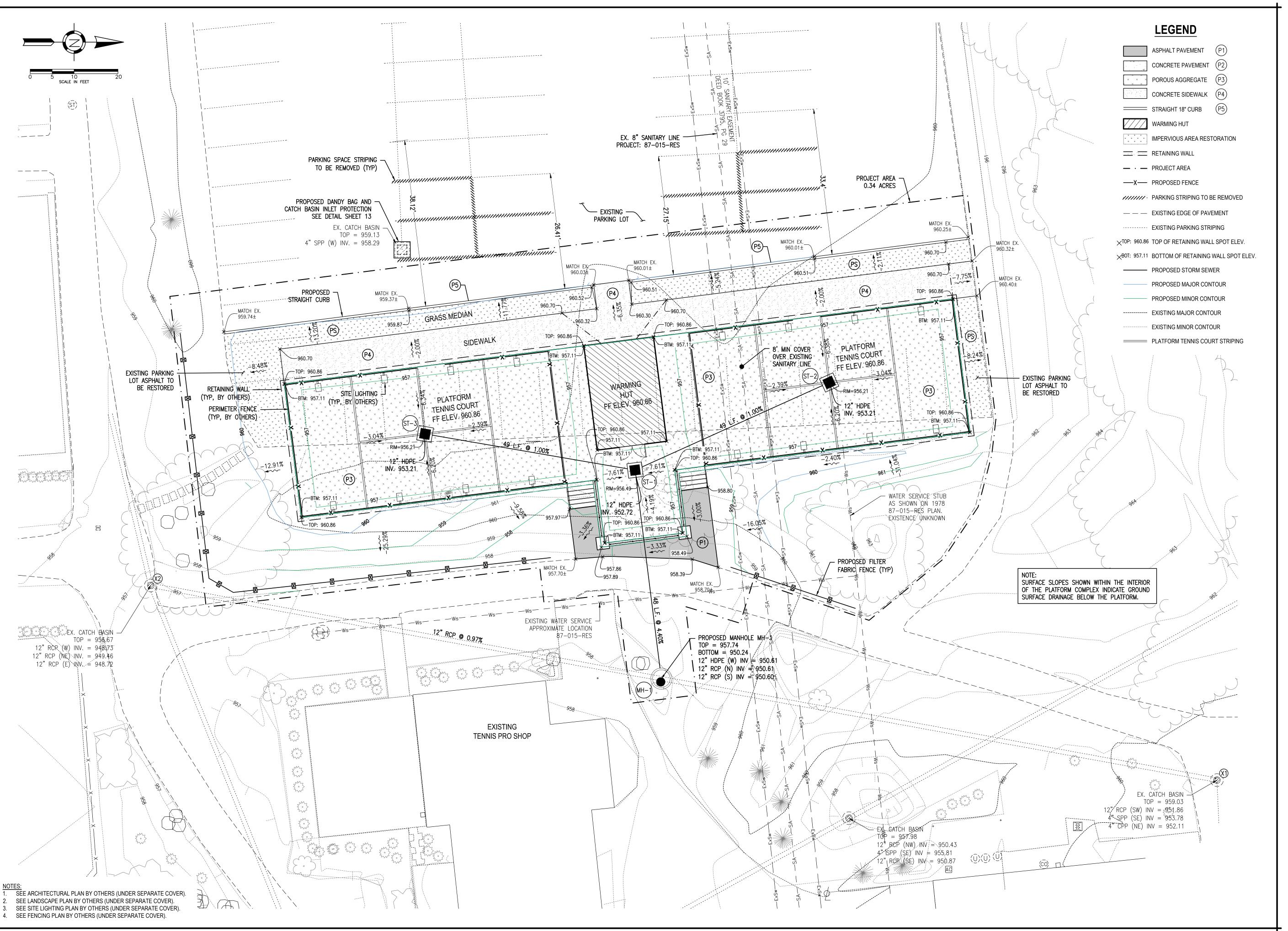
Project No.:	CMV005	
Plot Date:	06/18/2021	
Layout By:	EJK	
Drawn By:	AET	
Check By:	EJK	
Scale:	AS NOTED	
Issue Date:	JUNE 2021	

Sheet Title:

**PLATFORM TENNIS STAKING PLAN** 

Sheet Number:

C7.0



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Www.hullinc.com

Project Title:

HE COUNTRY CLUB AT MUIRFIELD VILLAGI PHASE 2 SITE IMPROVEMENTS FRANKLIN COUNTY, DUBLIN, OHIO

THE COUNTRY CLUB

8715 MUIRFIELD DRIVE DUBLIN, OH 43017

MUIRFIELD VILLAGE

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Project No.:	CMV005	
Plot Date:	06/18/2021	
Layout By:	EJK	
Drawn By:	AET	
Check By:	EJK	
Scale:	AS NOTED	
Issue Date:	JUNE 2021	

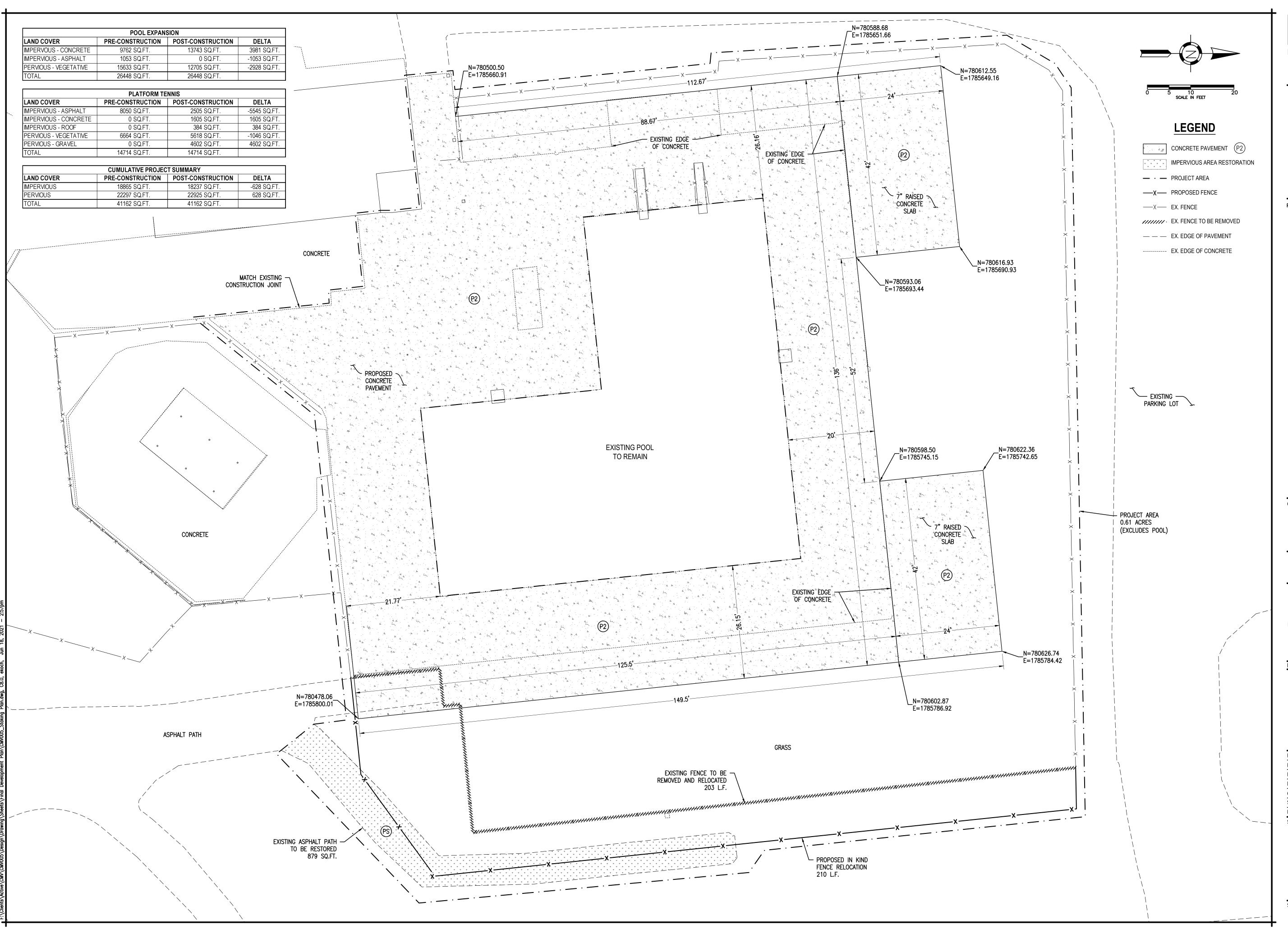
Sheet Title:

PLATFORM TENNIS GRADING PLAN

Sheet Number:

08 OF 13

C8.0





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Project Title:

THE COUNTRY CLUB MUIRFIELD VILLAGE

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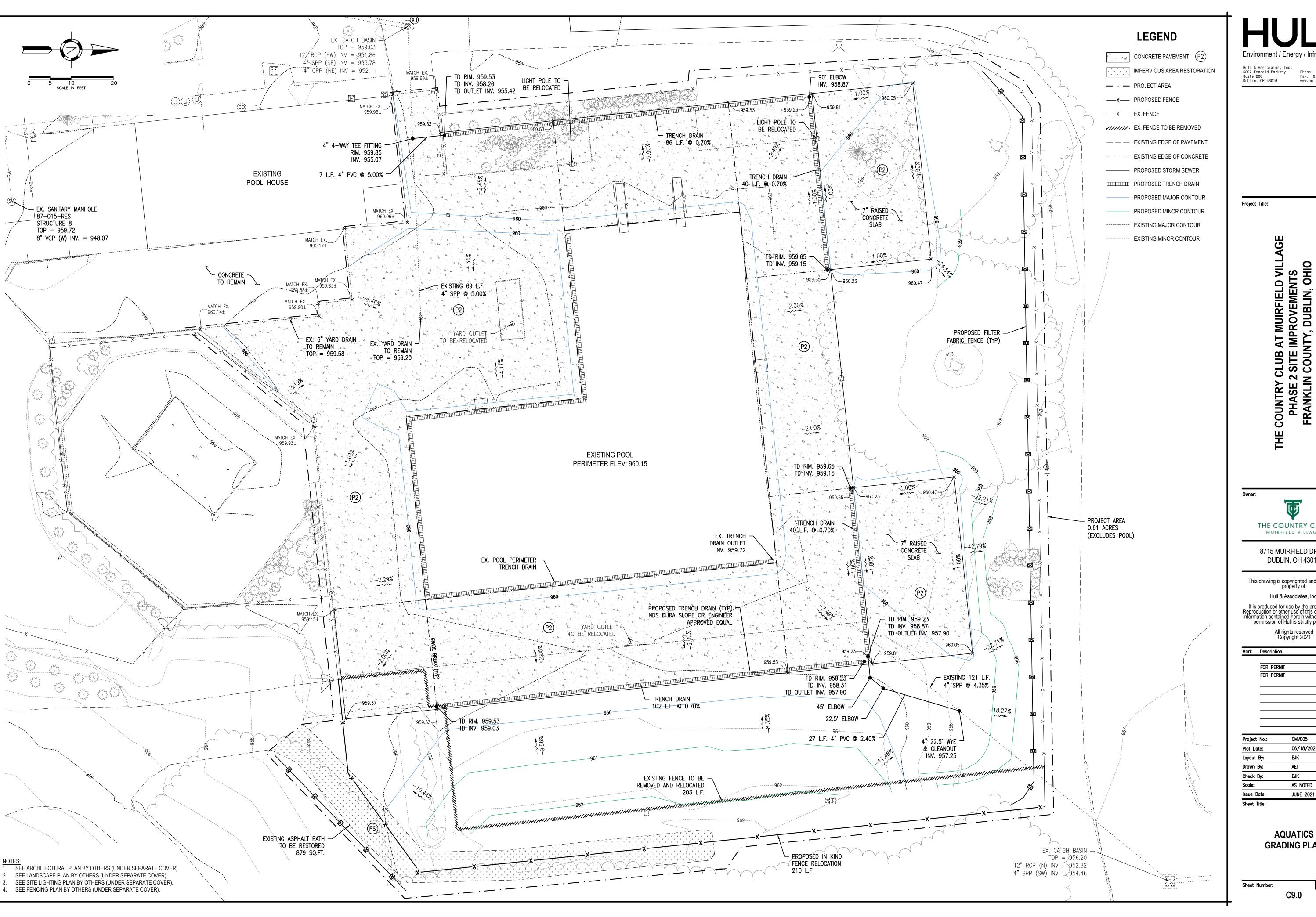
Sheet Title:

**AQUATICS STAKING PLAN** 

Sheet Number:

08 OF 13

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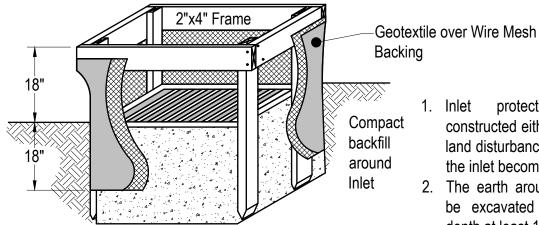
FOR PERMIT 05/24/2021 FOR PERMIT 06/18/2021

CMV005 06/18/2021 EJK AET EJK as noted JUNE 2021

> **AQUATICS GRADING PLAN**

09 OF 13 C9.0

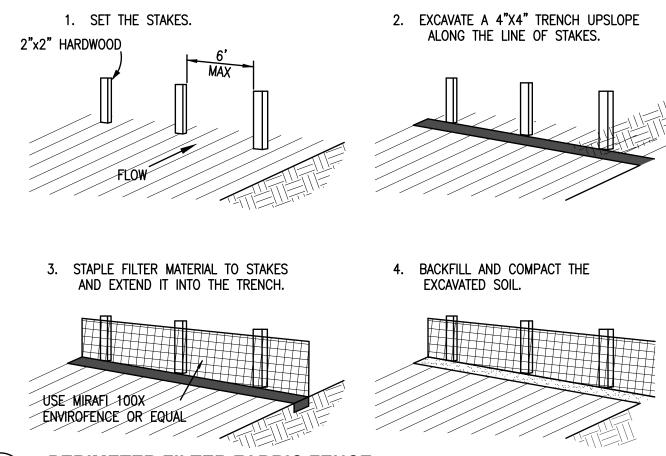
(Not to Scale)



- Inlet protection shall be constructed either before upslope land disturbance begins or before the inlet becomes functional. The earth around the inlet shall
- be excavated completely to a depth at least 18 inches.
- 3. The wooden frame shall be constructed of 2-inch by 4-inch construction grade lumber. The 2-inch by 4-inch posts shall be driven one (1) ft. into the ground at four corners of the inlet and the top portion of 2-inch by 4-inch frame assembled using the overlap joint shown. The top of the frame shall be at least 6 inches below adjacent roads if ponded water will pose a safety hazard to traffic.
- 4. Wire mesh shall be of sufficient strength to support fabric with water fully impounded against it. It shall be stretched tightly around the frame and fastened securely to the frame.
- 5. Geotextile 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. It shall extend from the top of the frame to 18 inches below the inlet notch elevation. The geotextile shall overlap across one side of the inlet so the ends of the cloth are not fastened to the same post.
- 6. Backfill shall be placed around the inlet in compacted 6-inch layers until the earth is even with notch elevation on ends and top elevation on sides.
- 7. A compacted earth dike or check dam shall be constructed in the ditch line below the inlet if the inlet is not in a depression. The top of the dike shall be at least 6 inches higher than the top of the

#### GEOTEXTILE INLET PROTECTION

(Rainwater and Land Development rev.6-24-09)



PERIMETER FILTER FABRIC FENCE

NOT TO SCALE

SEEDING DATES 128 (4 bushel) Tall Fescue August 15 Annual Ryegrass Perennial Ryegrass Tall Fescue Annual Ryegrass Annual Ryegrass Perennial Ryegrass Creeping Red Fescue C Kentucky Bluegrass 128 (3 bushel) Tall Fescue annual ryegrass 112 (2 bushel) August 16 Rye Tall Fescue Annual Ryegrass November 120 (2 bushel) Tall Fescue Annual Ryegrass Perennial Rye Tall Fescue Annual Ryegrass Annual Ryegrass Perennial Ryegrass Creeping Red Fescue 0.4 Kentucky Bluegrass Use mulch only or dormant seeding. NOTE: OTHER APPROVED SEED SPECIES MAY BE SUBSTITUTED.

IS USED. THE SEED AND FERTILIZER WILL BE MIXED ON-SITE AND THE SEEDING SHALL BE DONE IMMEDIATELY AND WITHOUT INTERRUPTION.

#### **MULCHING TEMPORARY SEEDING:**

1. APPLICATIONS OF TEMPORARY SEEDING SHALL INCLUDE MULCH, WHICH SHALL BE APPLIED DURING OR IMMEDIATELY AFTER SEEDING. SEEDINGS MADE DURING OPTIMUM SEEDING DATES ON FAVORABLE, VERY FLAT SOIL CONDITIONS MAY NOT NEED MULCH TO ACHIEVE ADEQUATE STABILIZATION. TEMPORARY VEGETATION OR MULCHING SHALL BE EMPLOYED TO PROTECT EXPOSED CRITICAL AREAS DURING DEVELOPMENT. THESE MEASURES SHALL BE INSTALLED WITHIN 48 HOURS OF INITIAL DISTURBANCE. CRITICAL AREAS, AS THEY PERTAIN TO EROSION CONTROL MEASURES, ARE DEFINED IN APPENDIX XIV BY THE LICKING COUNTY ENGINEER OR LICKING COUNTY SOIL AND WATER CONSERVATION SERVICE.

STRUCTURAL EROSION AND SEDIMENT CONTROL

PRACTICES SUCH AS DIVERSIONS AND SEDIMENT

TRAPS SHALL BE INSTALLED AND STABILIZED

WITH TEMPORARY SEEDING PRIOR TO GRADING

TEMPORARY SEED SHALL BE APPLIED BETWEEN

NOT BE GRADED OR REWORKED FOR 14 DAYS

OR GREATER. THESE IDLE AREAS SHALL BE

SEEDED WITHIN 48 HOURS AFTER GRADING.

THE SEEDBED SHOULD BE PULVERIZED AND

SOIL AMENDMENTS—TEMPORARY VEGETATION

SEEDING RATES SHALL ESTABLISH ADEQUATE

STANDS OF VEGETATION, WHICH MAY REQUIRE

FOR LIME AND FERTILIZER SHALL BE USED.

SEEDING METHOD—SEED SHALL BE APPLIED

UNIFORMLY WITH A CYCLONE SPREADER, DRILL

FEASIBLE, SEED THAT HAS BEEN BROADCAST

SHALL BE COVERED BY RAKING OR DRAGGING

AND THEN LIGHTLY TAMPED INTO PLACE USING

A ROLLER OR CULTIPACKER. IF HYDROSEEDING

CULTIPACKER SEEDER, OR HYDROSEEDER. WHEN

THE USE OF SOIL AMENDMENTS. BASE RATES

ESTABLISHING VEGETATION. TEMPORARY SEEDING

SHOULD NOT BE POSTPONED IF IDEAL SEEDBED

LOOSE TO ENSURE THE SUCCESS OF

PREPARATION IS NOT POSSIBLE.

CONSTRUCTION OPERATIONS ON SOIL THAT WILL

THE REST OF THE CONSTRUCTION SITE.

#### 2. MATERIALS:

• HYDROSEEDERS—IF WOOD CELLULOSE FIBER IS USED, IT SHALL BE USED AT 2000 LBS./ AC. OR 46 LB./ 1.000-SQ.-FT. 3. MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR WATER. ANCHORING

• WOOD-CELLULOSE FIBER-WOOD-CELLULOSE FIBER BINDER SHALL BE APPLIED AT A NET DRY WT. OF 750 LB./AC. THE WOOD-CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB. / 100 GAL.



	SEEDING RATE			
SEED MIX	LBS AC	LBS. 1,000 SF.	NOTES:	
G	ENERAL	USE		
Creeping Red Fescue	20-40	$\frac{1}{2}$ -1	FOR CLOSE	
Domestic Ryegrass	10-20	$\frac{1}{4} - \frac{1}{2}$	MOWING & WATERWAYS W/	
Kentucky Bluegrass	20-40	$\frac{1}{2}$ - 1	<2 FT/SEC	
Tall Fescue	40-50	1 - 1 <del>1</del>		
Turf-type (dwarf) Fescue	90	2 <del>1</del>		
STEEP E	BANKS O	R CUT	SLOPES	
Tall Fescue	40-50	1 - 1 <del>1</del>		
Tall Fescue	20-30	$\frac{1}{2} - \frac{3}{4}$	Do not seed later than August	
Flat Pea	20-25	$\frac{1}{2} - \frac{3}{4}$	Do not seed later than August	
Tall Fescue	20-30	$\frac{1}{2} - \frac{3}{4}$		
ROAD D	ITCHES	AND SV	VALES	
Tall Fescue	40-50	1 - 1 <del>1</del>		
Turf-type (dwarf) Fescue	90	2 <del>1</del>		
Kentucky Bluegrass	5	0.1		
	LAWNS	3		
Kentucky Bluegrass	100-120	2		
Perennial Ryegrass	100 100	2		
Kentucky Bluegrass	100-120	2	For shaded areas.	
Creeping Red Fescue		$1\frac{1}{2}$		

#### ITE PREPARATION:

SUBSOILER, PLOW, OR OTHER IMPLEMENT SHALL BE USED TO REDUCE SOIL COMPACTION AND ALLOW MAXIMUM INFILTRATION. (MAXIMIZING INFILTRATION WILL HELP CONTROL BOTH RUNOFF RATE AND WATER QUALITY.) SUBSOILING SHOULD BE DONE WHEN THE SOIL MOISTURE IS LOW ENOUGH TO ALLOW THE SOIL TO CRACK OR FRACTURE. SUBSOILING SHALL NOT BE DONE ON SLIP-PRONE AREAS WHERE SOIL PREPARATION SHOULD BE

THE SITE SHALL BE GRADED AS NEEDED TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION AND SEEDING.

ESTABLISHING VEGETATION.

LIMITED TO WHAT IS NECESSARY FOR

TOPSOIL SHALL BE APPLIED WHERE NEEDED TO ESTABLISH VEGETATION.

EEDBED PREPARATION: LIME-AGRICULTURAL GROUND LIMESTONE SHALL BE APPLIED TO ACID SOIL AS RECOMMENDED BY A SOIL TEST. IN LIEU OF A SOIL TEST, LIME SHALL BE APPLIED AT THE RATE OF 100 POUNDS PER 1,000-SQ. FT. OR 2 TONS PER ACRE. FERTILIZER-FERTILIZER SHALL BE APPLIED AS RECOMMENDED BY A SOIL TEST. IN PLACE OF A SOIL TEST. FERTILIZER SHALL BE APPLIED AT A RATE OF 25 POUNDS PER 1,000-SQ. FT. OR 1000 POUNDS PER ACRE OF A 10-10-10 OR 12-12-12

3. THE LIME AND FERTILIZER SHALL BE WORKED INTO THE SOIL WITH A DISK HARROW, SPRING-TOOTH HARROW, OR OTHER SUITABLE FIELD IMPLEMENT TO A DEPTH OF 3 INCHES. ON SLOPING LAND, THE SOIL SHALL BE WORKED ON THE CONTOUR.

#### **SEEDING DATES AND SOIL CONDITIONS:**

1. SEEDING SHOULD BE DONE MARCH 1 TO MAY 31 OR AUGUST 1 TO SEPTEMBER 30. IF SEEDING OCCURS OUTSIDE OF THE ABOVE SPECIFIED DATES, ADDITIONAL MULCH AND IRRIGATION MAY BE REQUIRED TO ENSURE A MINIMUM OF 80% GERMINATION. TILLAGE FOR SEEDBED PREPARATION SHOULD BE DONE WHEN THE SOIL IS DRY ENOUGH TO CRUMBLE AND NOT FORM RIBBONS WHEN COMPRESSED BY HAND. FOR WINTER SEEDING, SEE THE FOLLOWING SECTION ON DORMANT SEEDING.

PERMANENT VEGETATION AND STRUCTURAL EROSION CONTROL MEASURES SHALL BE INSTALLED AS SOON AS PRACTICAL BUT NO LATER THAN 48 HOURS AFTER FINAL GRADING. THIS INCLUDES SOD OR OTHER METHODS OF RETAINING SEEDING MATERIAL PRIOR TO MATURATION IN THE LOWER  $\frac{1}{2}$  OF ANY DRAINAGE DITCHES.

3. LAND WHICH HAS BEEN CLEARED FOR DEVELOPMENT, AND UPON WHICH CONSTRUCTION HAS NOT COMMENCED WITHIN FOURTEEN (14) DAYS OF THIS INITIAL CLEARING SHALL BE PROTECTED FROM EROSION AND CONSEQUENT SEDIMENTATION BY APPROPRIATE VEGETATION AND LAND COVERING TECHNIQUES SUCH AS SEEDING, SODDING, MULCHING GROUND COVER INSTALLATION OR OTHER VEGETATION OR EARTH COVERING TECHNIQUES.

#### DORMANT SEEDINGS:

 SEEDINGS SHOULD NOT BE MADE FROM OCTOBER 1 THROUGH NOVEMBER 20. DURING THIS PERIOD. THE SEEDS ARE LIKELY TO GERMINATE BUT PROBABLY WILL NOT BE ABLE TO SURVIVE THE WINTER.

2. THE FOLLOWING METHODS MAY BE USED FOR "DORMANT SEEDING": • FROM OCTOBER 1 THROUGH NOVEMBER 20, PREPARE THE SEEDBED, ADD THE REQUIRED AMOUNTS OF LIME AND FERTILIZER. THEN MULCH AND ANCHOR. AFTER NOVEMBER 20. AND BEFORE MARCH 15, BROADCAST THE SELECTED SEED MIXTURE. INCREASE THE SEEDING RATES BY 50% FOR THIS TYPE OF SEEDING.

• FROM NOVEMBER 20 THROUGH MARCH 15, WHEN SOIL CONDITIONS PERMIT, PREPARE THE SEEDBED, LIME AND FERTILIZE, APPLY THE SELECTED SEED MIXTURE, MULCH AND ANCHOR, INCREASE THE SEEDING RATES BY 50% FOR THIS TYPE OF SEEDING.

• APPLY SEED UNIFORMLY WITH A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDRO-SEEDER (SLURRY MAY INCLUDE SEED AND FERTILIZER) ON A FIRM, MOIST SEEDBED.

• WHERE FEASIBLE, EXCEPT WHEN A CULTIPACKER TYPE SEEDER IS USED, THE SEEDBED SHOULD BE FIRMED FOLLOWING SEEDING OPERATIONS WITH A CULTIPACKER, ROLLER, OR LIGHT DRAG. ON SLOPING LAND, SEEDING OPERATIONS SHOULD BE ON THE CONTOUR WHERE FEASIBLE.

1. MULCH MATERIAL SHALL BE APPLIED IMMEDIATELY AFTER SEEDING. DORMANT SEEDING SHALL BE HYDROSEEDED. 100% OF THE GROUND SURFACE SHALL BE COVERED WITH AN APPROVED MATERIAL.

• HYDROSEEDERS—IF WOOD CELLULOSE FIBER IS USED, IT SHALL BE APPLIED AT 2,000 LB./AC. OR 46 LB./1,000 SQ. FT.

• OTHER-OTHER ACCEPTABLE MULCHES INCLUDE ROLLED EROSION CONTROL MATTINGS OR BLANKETS APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD CHIPS APPLIED AT 6 TONS PER ACRE.

3. MULCH ANCHORING METHODS

MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR WATER. • WOOD CELLULOSE FIBER-WOOD CELLULOSE FIBER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 POUNDS PER ACRE. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER WITH THE MIXTURE CONTAINING A MAXIMUM OF 50 POUNDS CELLULOSE PER 100 GALLONS OF WATER.

#### IRRIGATION:

PERMANENT SEEDING SHALL INCLUDE IRRIGATION TO ESTABLISH VEGETATION DURING DRY WEATHER OR ON ADVERSE SITE CONDITIONS, WHICH REQUIRE ADEQUATE MOISTURE FOR SEED GERMINATION AND PLANT GROWTH. IRRIGATION RATES SHALL BE MONITORED TO PREVENT EROSION AND DAMAGE TO SEEDED AREAS FROM EXCESSIVE RUNOFF.



#### PERMANENT SEEDING

Environment / Energy / Infrastructure Hull & Associates, Inc. 6397 Emerald Parkway Phone: (614) 793-8777

Fax: (614) 793-9070

www.hùllińc.com

Project Title:

Suite 200

Dublin, OH 43016

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8715 MUIRFIELD DRIVE

**DUBLIN, OH 43017** 

MUIRFIELD VILLAGE

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Mark Description FOR PERMIT 05/24/2021 Project No.: CMV005

Plot Date: 05/24/2021 EJK Lavout Bv: Drawn By: ANT Check By: EJK Scale: as noted Issue Date: MAY 2021

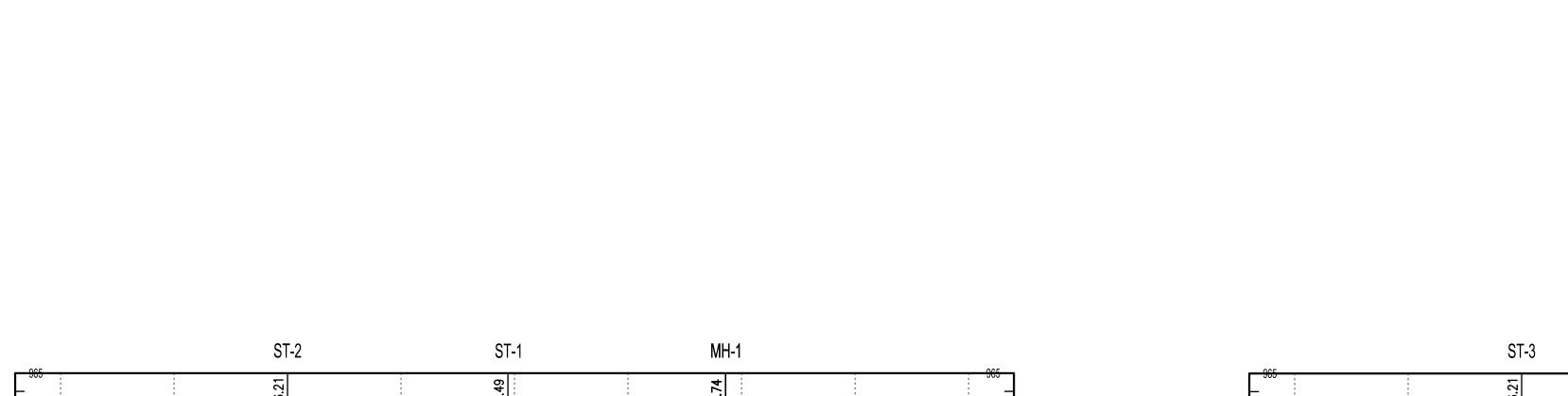
Sheet Title:

**TYPICAL DETAILS** 

Sheet Number:

10 OF 10

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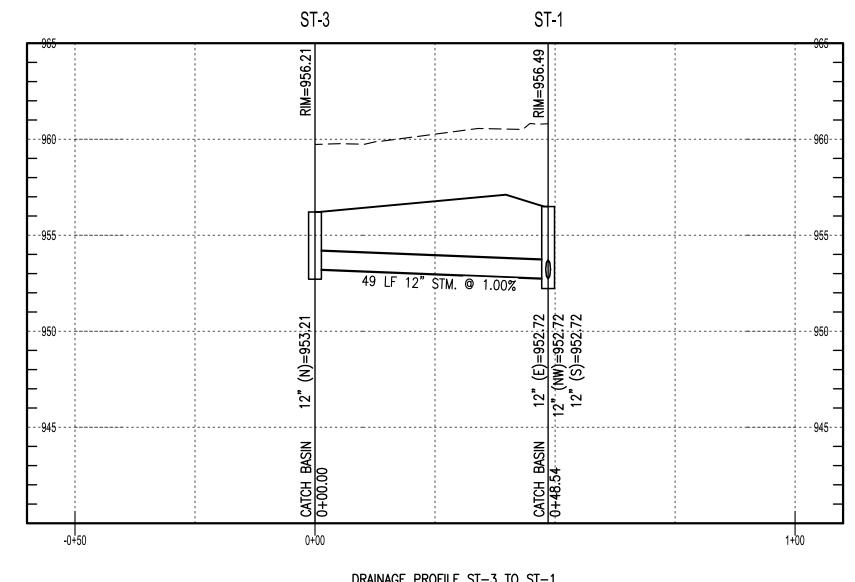


49 LF 12" STM. @ 1.00%

\_EX. 8" SAN ELEV.=947.57

> DRAINAGE PROFILE ST-2 TO MH-1 HORIZONTAL SCALE: 1"=20'

VERTICAL SCALE: 1"=5"



DRAINAGE PROFILE ST-3 TO ST-1
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=5'

Environment / Energy / Infrastructure

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6397 Emerald Parkway
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Dublin, OH 43016

Phone: (614) 793-8777
Fax: (614) 793-9070
www.hullinc.com

Project Title:

HE COUNTRY CLUB AT MUIRFIELD VILLAGE
PHASE 2 SITE IMPROVEMENTS
FRANKLIN COUNTY, DUBLIN, OHIO

Owner:



8715 MUIRFIELD DRIVE DUBLIN, OH 43017

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CMV005
06/18/2021
EJK
AET
EJK
as noted
JUNE 2021
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Sheet Title:

DRAINAGE PROFILES

Sheet Number:

12 OF 13

C12.0

Title Sheet

## TCCMV-Masterplan Updates - Phase 2 THE COUNTRY CLUB MUIRFIELD VILLAGE

#### OWNER

## Country Club at Muirfield Village 8715 Muirfield Drive Dublin, OH 43017 Ted: (614) 764-1714 Contact: Domenick Mancini

E: dmancini@tccmv.com

#### **ARCHITECT**

## **Design Collective Architecture** 151 East Nationwide Blvd. Columbus, OH 43215 Tel: (614) 464-2880 Contact: Matt Toddy E: mtoddy@dcollective.com

## GENERAL CONTRACTOR

## **Shaffer Construction** 3675 Trabue Road Columbus, OH 43228 Tel: (614) 402-2122 Contact: Greg Callaghan E: greg@shafferconstruction.com

#### CIVIL

## **Hull & Associates** 6397 Emerald Parkway, Suite 200 Dublin, OH 43016 Tel: (614) 793-8777 Contact: Eric Koch E: ekoch@hullinc.com

#### **GENERAL CONSTRUCTION NOTES**

- 1. All work will comply with any and all fire and safety codes, or with any federal, state, county or municipal codes having jurisdiction. All applicable requirements in these regulations will apply to the work shown herein, whether specifically indicated as such or not. Conflicts between work set forth herein and any codes, laws or regulations shall be brought to the attention of the Architect prior to proceeding with any work.
- Any reference made in these documents to the "Contractor" shall apply equally to the general Contractor or construction manager, and any Subcontractors or vendors to the Contractor. Similarly, any reference made to a "Subcontractor" or "Vendor" shall be interpreted as meaning the General Contractor or Construction Manager, and does not imply the Architect's involvement in the Contractor's means or methods of executing the work.
- 3. The organization or arrangement of these drawings and/or accompanying specifications is for convenience only, and shall not relieve the Contractor for responsibility of delivering a complete functioning project, of supervising and coordinating the work of all trades, or of dividing the work among his Subcontractors or in establishing the extent of work to be performed by any trade.
- 4. All work shall be in strict conformance with the requirements of these documents and the requirements of the Owner (especially regarding scheduling, areas of work and temporary controls). It is the Contractor's responsibility to acquaint himself with these requirements. Contractor is to investigate any special requirements and conditions of the site. Contractor's bid will be assumed to include the cost of fulfilling these requirements.
- Design and selection of supports, braces, anchors, attachments and related fasteners, unless shown on the drawings or in the specifications, are the responsibility of the installing contractor utilizing industry standard materials and methods suitable to the condition.
- 6. The Owner is responsible to pay for, and the Contractor is responsible to obtain, all permits required by federal state, county or municipal authorities; the Contractor shall include in the contract the cost of such permits.
- 7. The Contractor is to arrange for elevator or other hoisting facilities for materials and equipment. Arrangements shall be made through the building management. Costs for delivery, storage, and/or handling of materials shall be included in the bid. The Contractor shall become familiar with and work within the Owners or building management's guidelines and procedures for security, registration, delivery, allowable working times, access to adjoining Tenants, noise, etc.; costs of complying with these requirements will not be justification for additional
- 8. The Contractor shall verify building opening sizes and clearances (doors, elevators, docks, corridors, etc.) To allow for the delivery of all required materials and project components.
- 9. The Contractor will post material safety data (MSD) sheets on the jobsite for any hazardous materials in compliance with federal, state and local authorities.
- 10. Install manufactured materials and equipment in strict accordance with the manufacturer's written instructions and guidelines. The Contractor is to inform the Architect of items specified which may not be readily available or which have long lead times.
- 11. The Contractor shall provide barriers, temporary partitions or other measures for the protection of occupants, workers or occupied or finished areas and surfaces. This is to include noise barriers, vapor barriers, dust barriers or other protection as requested by the Owner. An allowance for these materials shall be included in the contract and costs for the materials above the allowance shall be approved by the Owner.
- 12. The Contractor is to remove all debris and leave all areas broom clean at the end of each work day, and protect any portion of existing work to remain or work previously installed.
- 13. The Contractor shall investigate ceiling plenums and report extent of interference of overhead construction (ie duct work, pipes, plumbing, etc.), to Architect prior to start of work so as to accommodate the specified ceiling, lighting and mechanical systems. If requested by the Architect, the Contractor shall prepare a coordination drawing indicating the interface of all trades.
- 14. The Contractor will perform all work for the contract sum without adjustment in the event of labor disputes and/or work stoppages.
- 15. Items specified in these drawings are for reference, and are not intended to be proprietary. The Contractor may submit a written request along with his bid for Architect's approval of equal substitutions.
- 16. There will be no substitutions for specified products, equipment or systems other than those approved prior to signing the contract, unless the substitution can be shown to be of significant benefit to the Owner and place no additional expense on the Architect to process. The Owner and Architect must approve all substitutions.
- 17. Level of drywall finishes (as specified in ASTM C840): A. Level 1 - areas above opaque ceiling

2. Allow at least 10 working days for Architect review time.

- B. Level 2 as substrate for ceramic tile
- C. Level 4 all areas not indicated to receive levels 1,2 or 5. All wall areas above open cell ceilings. D. Level 5 - only where specifically indicated on plans.

#### CVADOLO LEOENDCONSTRUCTION SUBMITTALS

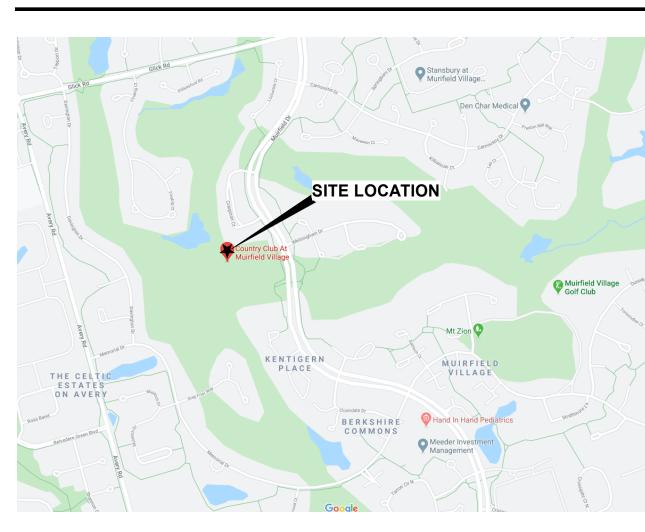
- 1. Provide all submittals in advance of installation for proper review by Architect & Owner.
- 3. The Contractor shall review and approve all submittals prior to their submission to the Architect. Any submittal not signed, dated and stamped approved by the Contractor will be rejected.
- 4. The Contractor shall submit three samples of all finish materials, of a size appropriate to view the material being submitted, to the Architect for review prior to initiating installation of the material. Email submissions are acceptable & preferred.
- 5. The Contractor is to submit product data sheets for any catalog items including any and all building standard items called for on the drawings.
- Prior to fabrication The Contractor shall submit shop drawings for all off-site fabricated items to the Architect for review. Any work fabricated prior to review not complying with the Contract Documents will be rejected.
- Substitutions to items specified in these Contract Documents should be made only prior to bidding. If the Owner authorizes the Architect to review a substitution after bidding, the item must be submitted separately and clearly identified as a substitution and not included within another submission or it will be rejected.

#### **COMMON ABBREVIATIONS**

Abv	Above	Jan	Janitor
		-	
Acoust	Acoustic(al)	JT	Joint
Adj	Adjustable		
AFF	Above finish floor	KO	Knock-out
Alum	Aluminum	KP	Kick plate
B/C	Bottom of curb	Lab	Laboratory
			Laboratory
BD	Board	Lam	Laminate
Blkg	Blocking	Lav	Lavatory
•	-	Lkr	Locker
Cab	Cabinet	Lpc	Laminated plastic covered
-		•	
Cpt	Carpet	Lgt	Light
Cem	Cement	LP	Low Point
CG	Corner guard		
CJ	Control joint	Max	Maximum
CL	Centerline	MDO	Medium density overlay
Clg	Ceiling	Mech	Mechanical
Clr	Clear	Mfr	Manufacturer
Cmu	Concrete masonry unit	Min	Minimum
Col	Column	Misc	Miscellaneous
Const	Construction	Mldg	
-		•	Moulding
Cont	Continuous	Mrgwb	Moisture resistant GWB
Ctr	Center		
		N	North
Dbl	Double	N/A	Not applicable
_			
Demo	Demolish/ Demolition	NIC	Not in contract
Dept	Department	No	Number
Dia	Diameter	Nom	Nominal
Diag	Diagonal	NRC	Noise reduction Coefficier
Dim	Dimension	NTS	Not to Scale
Disp	Dispenser		
DN	Down	O/C	On center
Dwg	Drawing	OD	Outside diameter
9	g	0.2	
⊏ ^	Fooh	Dhud	Dhayood
EA	Each	Plwd	Plywood
EL	Elevation		
Elec	Electric(al)	R	Radius/ Riser
EQ	Equal	Ref	Refer/ Reference
	Equipment	Reinf	Reinforced
Equip	• •		_
Exist	Existing	Rm	Room
Ext	Exterior	RO	Rough Opening
FD	Floor drain	S	South
Fin	Finish	Sched	Schedule(d)
FL	Floor	Sect	Section
Fluor	Fluorescent	Sim	Similar
FT	Foot/ Feet	SF	Square Foot/ Feet
FRT	Fire resistant treated	Spec(s)	Specification(s)
1 111	The resistant treated		
		SS	Stainless steel
GA	Gauge	Std	Standard
Galv	Galvanized	Sym	Symmetrical
GB	Grab Bars	•	•
GL		T&G	Tongue and groove
	Glass, Glazed		
GR	Grade	Temp	Tempered/ Temporary
GWB	Gypsum wall board	Тур	Typical
Gyp	Gypsum	UNO	Unless noted otherwise
<b>-</b> )  -	- Jp-3		
LID	Llaca Dibb	VOT	Minut commonition tile
HB	Hose Bibb	VCT	Vinyl composition tile
HC	Handicapped/ Hollow core	Vert	Vertical
Hdwd	Hardwood	VIF	Verify in field
Hdwr	Hardware	VWC	Vinyl wall covering
HM	Hollow metal	•	, 55 / 5/1/19
		147	10/
Horiz	Horizontal	W	West
HR	Hour/ Handrail	W/	With
Hgt	Height	W/O	Without
HP	High point	<del></del>	
	riigii poliit	VD	Vard Vard drain
		YD	Yard, Yard drain
ID	Inside diameter		
Insul	Insulation	&	And
Int	Interior	@	At
	11101101	#	
		#	Pound(s) or Number

SYMBOLS LEGEND			
Drawing Title:	10 View Name Scale: 1/4" = 1'-0"		
		— View ID Number	
Section/ Detail:	1 SIM	— Detail ID Number	
Section/ Detail.	A101	— Sheet where detail is located	
		Similar to the indicated detail	
	SIM	— Detail ID Number	
Enlarged Detail Callout:	A101	<ul> <li>Area to be enlarged</li> </ul>	
		<ul> <li>Sheet where detail is located</li> </ul>	
		— Ceiling height	
Ceiling Height:	X'-X"	Height above	
		— Height above	
	A	— Revision Number	
Revisions:		— Area Revised	
		,	
Room Information:	Room name ◄	— Room Name	
Noon momation.	101	— Room Number	
		<ul><li>Keyed note designation</li></ul>	
Keyed notes:	<u>(1)</u>	on applicable sheet	
Finish Material:	W-1	<ul><li>Finish Designation (see schedule)</li></ul>	
		(See Scriedule)	
Door:	101	<ul><li>Door Number Designation</li></ul>	
	(A2)	· <b>3</b> · · · · · · ·	
Window:	A2	<ul> <li>Window Type Designation</li> </ul>	
Center-Line Symbol:	Ę		

#### PROJECT LOCATION MAP



#### FINISH CLASSIFICATIONS

Finishes within this project have been selected based on the appropriate classifications identified in chapter 8 of the building code and comply with all applicable regulations and testing requirements, including flame spread and smoke development.

#### WALL AND CEILING FINISHES BY OCCUPANCY:

	Sprinklered				Nonsprinklered			
Group	Exit enclosures and exit passageways	Corridors	Rooms and enclosed spaces	Exit enclosures and exit passageways	Corridors	Rooms and enclosed spaces		
A-1 & A-2	В	В	С	A	Α	В		
A-3 , A-4, A-5	В	В	С	A	Α	С		
B, E, M, R-1	В	С	С	Α	В	С		
R-4	В	С	С	Α	В	В		
F	С	С	С	В	С	С		
Н	В	В	С	Α	Α	В		
I-1	В	С	С	Α	В	В		
I-2	В	В	В	Α	Α	В		
I-3	Α	Α	С	Α	Α	В		
I-4	В	В	В	Α	Α	В		
R-2	С	С	С	В	В	С		
R-3	С	С	С	С	С	С		
S	С	С	С	В	В	С		
U	-	Not Restricted		-	Not Restricted			

Class A: flame spread index 0-25; smoke-developed index 0-450. Class B: flame spread index 26-75; smoke-developed index 0-450. Class C: flame spread index 76-200; smoke-developed index 0-450.

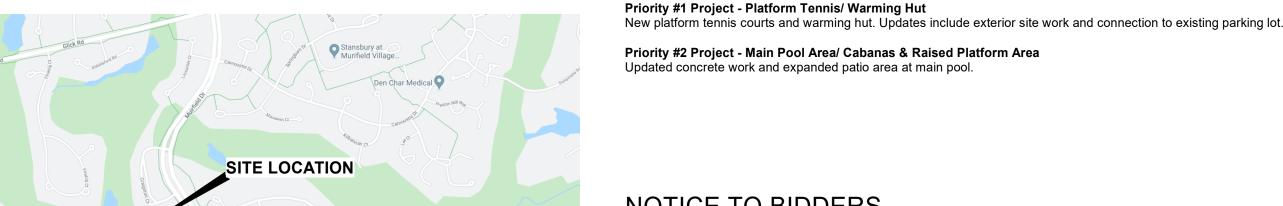
#### **FLOORING REQUIREMENTS:**

-Floors shall be a minimum of class II in groups A, B, E, H, I-4, M, R-1, R-2 and S.

-Class I: 0.45 watts/cm<sup>2</sup> or greater.

-Class II: 0.22 watts/cm2 or greater

## PROJECT MATRIX



#### NOTICE TO BIDDERS

Drawings contained within are a visual representation of the Scope of Work. It is the responsibility of the Bidding Contractors to perform a site visit to familiarize themselves with the unique characteristics of the project. Contact the Construction Manager or Owner to arrange a site visit.

The Contractor is to provide written notification to the Construction Manager or Owner of any discrepancies discovered between site conditions and these Documents. Submission of a bid is confirmation that the existing conditions have been accepted and fully accounted for in the costs provided.

questions to the Construction Manager or Owner.

### SUPPLY/INSTALLATION

All items contained within these drawings are assumed to be supplied and installed by the General Contractor unless noted otherwise. It is the responsibility of the GC to coordinate delivery and install as applicable within the scope of work.

#### SPECIAL INSPECTIONS AND TESTING

Special inspections are required within the scope of the project. Refer to the attached special inspection statement and sheet S0.0 for a list of required inspection types. A third party agency shall be used.

#### ASBESTOS DISCLAIMER

The Architect hereby states, and the Owner acknowledges, that the Architect has no professional liability (errors and omissions) or other insurance, and is unable to reasonably obtain such insurance, for claims arising out of the performance of or failure to perform professional services, including but not limited to the preparation of reports, designs, drawings and specifications, related to the investigation, detection, abatement, replacement or removal of products, materials, or processes containing asbestos.

Accordingly, the Owner hereby agrees to bring no claim for negligence, breach of contract, indemnity or otherwise against the Architect, his principals, employees, agents, and consultants if such claim in any way would involve the Architect's services for the investigation of or remedial work related to asbestos in the project. The Owner further agrees to defend, indemnify and hold the Architect and his principals, employees, agents, and consultants harmless from any such asbestos related claims that may be brought by third parties as a result of the services provided by the Architect pursuant to this agreement.

## DRAWING SHEET INDEX

G-1	Title Sheet		
G-2	Code Analysis		
G-3	Accessibility Guidelines		
G-4	Site Plan	1	06/18/2021
G-5	3D Views		
CIVIL			
C1.0	Cover Sheet		
C2.0	General Notes		
C3.0	General Notes		
C4.0	Existing Conditions	1	06/18/2021
C5.0	Existing Conditions	1	06/18/2021
C6.0	Staking Plan	1	06/18/2021
C7.0	Utility Plan	1	06/18/2021
C8.0	Grading Plan	1	06/18/2021
C9.0	General Notes	1	06/18/2021
C10.0	Typical Details	1	06/18/2021
C.11	Aquatics Grading Plan	1	06/18/2021
C.12	Drainage Profiles	1	06/18/2021
C.13	Typical Details	1	06/18/2021
STRUCTL	IRAL		
6P S-100	Breckenridge Pavillion 6-Post Structures		
6P S-101	Breckenridge Pavillion 6-Post Structures		
6P S-102	Breckenridge 3D View		
6P S-103	Breckenridge Elevation		
6P S-104	Breckenridge Elevation		
ARCHITE	CTURAL		
A-AQ1	Aquatics Project Matrix		
A-AQ2	Aquatics - Overall Plan	1	06/18/2021
A-AQ3	Aquatics - Overall Furn. Plan	1	06/18/2021
A-AQ4	Aquatics - Enlarged Plans	1	06/18/2021
ARCHITE	CTURAL		
A-PD1	Racquet Area Project Matrix		
A-PD2	Platform Court - Plan	1	06/18/2021
A-PD3	Platform Court - Enlarged Plans	1	06/18/2021
A-PD4	Platform Court - Sections/ Details	1	06/18/2021
A-PD5	Warming Hut - Plans	1	06/18/2021
LANDSCA L1.0	NPE		06/18/2021

**Current Revision Revision Date** 

-Floors shall be class I in groups I-1, I-2 and I-3. They are permited to be reduced to class II if building is equiped throughout with an automatic sprinkler system.

-All floor covering materials shall comply with the DOCFF-a 'Pill Test'

# APPLICABLE BUILDING CODES Building: 2017 Ohio Building Code Structural: 2017 Ohio Building Code Gas:

2017 Ohio Building Code Energy: 2012 IECC and ASHRAE 90.1
2017 Ohio Building Code Gas: 2015 International Fuel Gas Code
2017 Ohio Mechanical Code Fire: 2017 Ohio Fire code (NFPA 13)
2017 Ohio Plumbing Code Accessibility: 2017 Ohio Building Code
2017 National Electric Code 2009 ICC/ ANSI A117.1/ADAAG

## REQUIRED FIRE RATINGS AND SEPARATIONS

Per Table 601: Structural Frame: Roof: Floor construction: Exterior Walls (Non-Loadbearing) table 6 Interior Walls (Non-Loadbearing): Exterior Walls (Loadbearing): Interior Walls (Loadbearing):	0 0 0 0 02: 0 0 0
-FRT wood required:	N
-Fire barriers or partitions present:	N

Mechanical:

Plumbing:

Electrical:

-Fire walls present:

## HEIGHTS AND AREAS

POOLHOUSE

Use/Occupancy Classifications:

SCOPE AREA: Parcel ID #:

No. Storeys:

Fire Alarm: Gross Building Area:

Construction Types: Fire Suppression:

Max Travel Distance: Exit Separation:

Allowable Height:	40'-0"
Existing height:	22'-8"
Allowable Stories:	1
Existing height:	1
Allowable Area:	6,000sf
Total Gross Area (Building):	1,838sf
Total Patio Area:	945sf

## PLUMBING FIXTURE CALCULATIONS

NOTE: Existing occupancy and plumbing fixture counts will not be affected. Existing plumbing fixtures are located at the adjacent Tennis Pro Shop at a distance of 75'-0" from the Poolhouse.

AQUATICS - POOLHOUSE 273-001851-00 C - Commerical

75'-0" Allowed 73'-3" Provided 33'-3"

A-2 V-B

None None 1,838sf

#### EGRESS CALCULATIONS

RE	EQUIRED:	PROVIDED	:	
(P	er Section 1005)	Door # - A:	34" Clear (Primary)	170 person capacity
,	,	Door # - A:	34" Clear (Secondary)	170 person capacity
1,8	338sf / 15sf/occupant = 122 occupants		68" Clear (Total)	
0.2	2" x 185 Occupants: 24"		,	

#### CLUBHOUSE

CLUBHOUSE
273-001851-00
C - Commerical
1
A-2
V-B
Yes
Yes
26,282sf
Not impacted by project scope
Not impacted by project scope

#### HEIGHTS AND AREAS

Allowable Height:	40'-0"	
Existing height:	39'-2"	
Allowable Stories:	1	
Existing height:	1	
Allowable Area:	6,000sf	
Total Gross Area (Building):	26,282sf*	
Total Area of Project Scope:	1,392sf	
Total Patio Area:	8,290sf	
*NOTE: The existing clubhouse is o	omprised of a series of additions	

#### PLUMBING FIXTURE CALCULATIONS

NOTE: Existing occupancy and plumbing fixture counts will not be affected. Existing plumbing fixtures are located at the adjacent clubhouse locker rooms at a distance of 25'-0" from the Founder's Room.

#### EGRESS CALCULATIONS

0.2" x 185 Occupants: 19"

REQUIF	RED:	PROVIDED	):	
(Per Sed	ction 1005)	Door # - E:		170 person capacity
1.392sf	/ 15sf/occupant = 92 occupants		34" Clear (Total)	

## **Design** Collective

OWNER

Country Club at Muirfield Village

8715 Muirfield Drive Dublin, OH 43017 Ted: (614) 764-1714 Contact: Domenick Mancini

Contact: Domenick Mancini
E: dmancini@tccmv.com

ARCHITECT

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Tel: (614) 464-2880
Contact: Matt Toddy

E: mtoddy@dcollective.com

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E: greg@shafferconstruction.com

Hull & Associates 6397 Emerald Parkway, Suite 200 Dublin, OH 43016

Tel: (614) 793-8777 Contact: Eric Koch E: ekoch@hullinc.com

Zoning Review

STATE OF OR OF THE OF

Architect, License # 1616697 Expiration Date: December 31, 2021

Iration Date: December 31, 2

es - Phase 2

WURFIELD VILLAGE

W-Masterplan Updates -

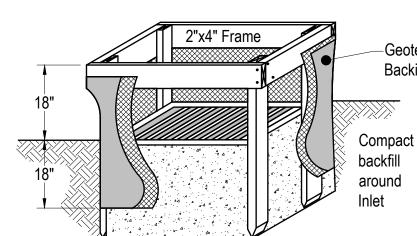
TCCMV-Mag

RE	VISIONS	
#	Description	Date
		•

May 24, 2021
PROJECT NO.
0247.20

Code Analysis

G-2



Geotextile over Wire Mesh Backing

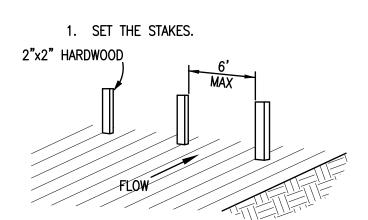
1. Inlet protection shall be constructed either before upslope land disturbance begins or before the inlet becomes functional.

2. The earth around the inlet shall be excavated completely to a depth at least 18 inches.

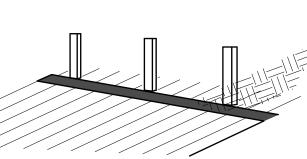
- 3. The wooden frame shall be constructed of 2-inch by 4-inch construction grade lumber. The 2-inch by 4-inch posts shall be driven one (1) ft. into the ground at four corners of the inlet and the top portion of 2-inch by 4-inch frame assembled using the overlap joint shown. The top of the frame shall be at least 6 inches below adjacent roads if ponded water will pose a safety hazard to traffic.
- 4. Wire mesh shall be of sufficient strength to support fabric with water fully impounded against it. It shall be stretched tightly around the frame and fastened securely to the frame.
- 5. Geotextile 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. It shall extend from the top of the frame to 18 inches below the inlet notch elevation. The geotextile shall overlap across one side of the inlet so the ends of the cloth are not fastened to the same post.
- 6. Backfill shall be placed around the inlet in compacted 6-inch layers until the earth is even with notch elevation on ends and top elevation on sides.
- 7. A compacted earth dike or check dam shall be constructed in the ditch line below the inlet if the inlet is not in a depression. The top of the dike shall be at least 6 inches higher than the top of the frame.

**GEOTEXTILE INLET PROTECTION** 

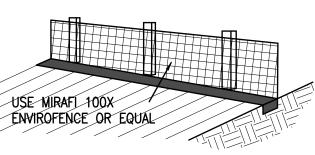
(Rainwater and Land Development rev.6-24-09)



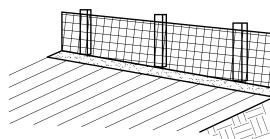
2. EXCAVATE A 4"X4" TRENCH UPSLOPE ALONG THE LINE OF STAKES.



3. STAPLE FILTER MATERIAL TO STAKES AND EXTEND IT INTO THE TRENCH.

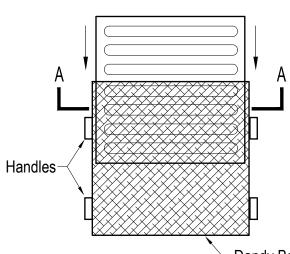


4. BACKFILL AND COMPACT THE **FXCAVATED SOIL.** 



PERIMETER FILTER FABRIC FENCE

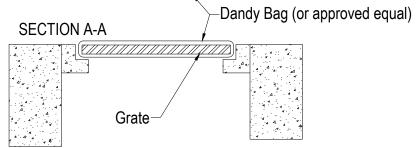
NOT TO SCALE



Remove the unit with grate inside bag using handles, inspect catch basin or manhole and replace.

Maintenance:

Remove dried sediment from surface of unit as needed with stiff broom or square point shovel. Remove fine material from inside envelop as needed.



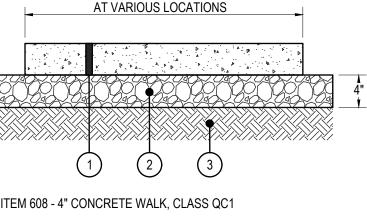
DANDY BAG

(Not to Scale)

1 2( 1 ) ITEM 703 - 2" NO. 57 AGGREGATE

POROUS AGGREGATE SECTION NOT TO SCALE

( 2 ) ITEM 204 - SUBGRADE COMPACTION



REFERENCE PLAN VIEWS FOR WIDTHS

( 1 ) ITEM 608 - 4" CONCRETE WALK, CLASS QC1 ( 2 ) ITEM 304 - 6" CRUSHED AGGREGATE BASE

NOT TO SCALE

(3) ITEM 204 - SUBGRADE COMPACTION

(1) ITEM 441 - 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE 1

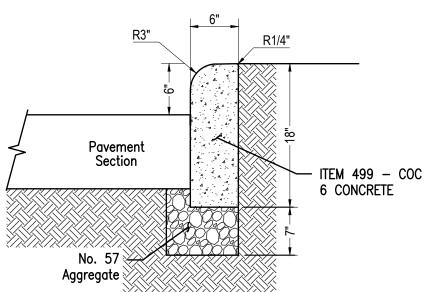
(2) ITEM 301 - 3" ASPHALT CONCRETE BASE

(3) ITEM 304 - 6" AGGREGATE BASE

(4) ITEM 204 - SUBGRADE COMPACTION

**ASPHALT PAVEMENT SECTION** 





NOT TO SCALE

STRAIGHT 18" CONCRETE CURB

}	SPECIES	Lb. / 1000 ft2	Lb / Acre	1.	STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS AND SEDIMENT
	Oats	3	128 (4 bushel)		TRAPS SHALL BE INSTALLED AND STABILIZED WITH TEMPORARY SEEDING PRIOR TO GRADING
_	Tall Fescue	1	40		THE REST OF THE CONSTRUCTION SITE.
5	Annual Ryegrass	1	40		THE REST OF THE CONSTRUCTION SHE.
	Perennial Ryegrass	1	40	2.	TEMPORARY SEED SHALL BE APPLIED BETWEEN
	Tall Fescue	1	40		CONSTRUCTION OPERATIONS ON SOIL THAT WILL
	Annual Ryegrass	1	40		NOT BE GRADED OR REWORKED FOR 14 DAYS
	Annual Ryegrass	1.25	55		OR GREATER. THESE IDLE AREAS SHALL BE
	Perennial Ryegrass	3.25	142		SEEDED WITHIN 48 HOURS AFTER GRADING.
	Creeping Red Fescue	0.4	17		
	Kentucky Bluegrass	0.4	17	3.	THE SEEDBED SHOULD BE PULVERIZED AND
	Oats	3	128 (3 bushel)		LOOSE TO ENSURE THE SUCCESS OF
	Tall Fescue	1	40		ESTABLISHING VEGETATION. TEMPORARY SEEDING
	annual ryegrass	1	40		SHOULD NOT BE POSTPONED IF IDEAL SEEDBED PREPARATION IS NOT POSSIBLE.
6	Rye	3	112 (2 bushel)		
	Tall Fescue	1	40	4.	SOIL AMENDMENTS—TEMPORARY VEGETATION
er	Annual Ryegrass	1	40		SEEDING RATES SHALL ESTABLISH ADEQUATE
	Wheat	3	120 (2 bushel)		STANDS OF VEGETATION, WHICH MAY REQUIRE
	Tall Fescue	1	40		THE USE OF SOIL AMENDMENTS. BASE RATES
	Annual Ryegrass	1	40		FOR LIME AND FERTILIZER SHALL BE USED.
	Perennial Rye	1	40	5.	SEEDING METHOD SEED SHALL DE ADDLIED
	Tall Fescue	1	40	٥.	SEEDING METHOD—SEED SHALL BE APPLIED

Annual Ryegrass Annual Ryegrass erennial Ryegrass Creeping Red Fescue | 0.4 Kentucky Bluegrass November Use mulch only or dormant seeding.

NOTE: OTHER APPROVED SEED SPECIES MAY BE SUBSTITUTED.

**MULCHING TEMPORARY SEEDING:** 1. APPLICATIONS OF TEMPORARY SEEDING SHALL INCLUDE MULCH, WHICH SHALL BE APPLIED DURING OR IMMEDIATELY AFTER SEEDING. SEEDINGS MADE DURING OPTIMUM SEEDING DATES ON FAVORABLE, VERY FLAT SOIL CONDITIONS MAY NOT NEED MULCH TO ACHIEVE ADEQUATE STABILIZATION. TEMPORARY VEGETATION OR MULCHING SHALL BE EMPLOYED TO PROTECT EXPOSED CRITICAL AREAS DURING DEVELOPMENT. THESE MEASURES SHALL BE INSTALLED WITHIN 48 HOURS OF INITIAL DISTURBANCE. CRITICAL AREAS, AS THEY PERTAIN TO EROSION CONTROL MEASURES, ARE DEFINED IN APPENDIX XIV BY THE LICKING COUNTY ENGINEER OR LICKING COUNTY SOIL AND WATER CONSERVATION SERVICE.

2. MATERIALS:

August 15

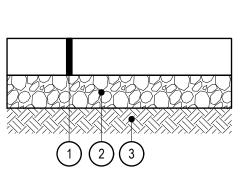
August 16

Novembe

• HYDROSEEDERS—IF WOOD CELLULOSE FIBER IS USED, IT SHALL BE USED AT 2000 LBS./ AC. OR 46 LB./ 1.000-SQ.-FT. 3. MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR WATER. ANCHORING

 WOOD—CELLULOSE FIBER—WOOD—CELLULOSE FIBER BINDER SHALL BE APPLIED AT A NET DRY WT. OF 750 LB./AC. THE WOOD-CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB. / 100 GAL.

TEMPORARY SEEDING



(1) ITEM 608 - 4" CONCRETE WALK, CLASS QC1

(2) ITEM 304 - 6" AGGREGATE BASE

(3) ITEM 204 - SUBGRADE COMPACTION

**CONCRETE PAVEMENT SECTION** NOT TO SCALE

**SITE PREPARATION:** SUBSOILER, PLOW, OR OTHER IMPLEMENT

NOTES: SEED MIX LBS 1,000 SF. **GENERAL USE** FOR CLOSE 20-40 Creeping Red Fescue MOWING & Domestic Ryegrass 10-20 WATERWAYS W/ <2 FT/SEC 20-40 Kentucky Bluegrass 40-50 Tall Fescue Turf-type (dwarf) Fescue 90 STEEP BANKS OR CUT SLOPES

40-50

20-30

20-25

20-30

40-50

LAWNS

100-120 2

100-120 | 2

ROAD DITCHES AND SWALES

Tall Fescue

Tall Fescue

Flat Pea

Tall Fescue

Tall Fescue

Turf-type (dwarf) Fescue 90

Kentucky Bluegrass

Kentucky Bluegrass

Perennial Ryegrass

Kentucky Bluegrass

Creeping Red Fescue

SEEDING RATE

UNIFORMLY WITH A CYCLONE SPREADER, DRILL CULTIPACKER SEEDER. OR HYDROSEEDER. WHEN FEASIBLE, SEED THAT HAS BEEN BROADCAST SHALL BE COVERED BY RAKING OR DRAGGING AND THEN LIGHTLY TAMPED INTO PLACE USING A ROLLER OR CULTIPACKER. IF HYDROSEEDING IS USED, THE SEED AND FERTILIZER WILL BE MIXED ON-SITE AND THE SEEDING SHALL BE DONE IMMEDIATELY AND WITHOUT INTERRUPTION

NOTE: OTHER APPROVED SEED SPECIES MAY BE SUBSTITUTED.

SHALL BE USED TO REDUCE SOIL COMPACTION AND ALLOW MAXIMUM INFILTRATION. (MAXIMIZING INFILTRATION WILL HELP CONTROL BOTH RUNOFF RATE AND WATER QUALITY.) SUBSOILING SHOULD BE DONE WHEN THE SOIL MOISTURE IS LOW ENOUGH TO ALLOW THE SOIL TO CRACK OR FRACTURE. SUBSOILING SHALL NOT BE DONE ON SLIP-PRONE AREAS WHERE SOIL PREPARATION SHOULD BE LIMITED TO WHAT IS NECESSARY FOR ESTABLISHING VEGETATION.

THE SITE SHALL BE GRADED AS NEEDED TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION AND SEEDING.

TOPSOIL SHALL BE APPLIED WHERE NEEDED TO ESTABLISH VEGETATION.

#### **SEEDBED PREPARATION:**

LIME-AGRICULTURAL GROUND LIMESTONE SHALL BE APPLIED TO ACID SOIL AS RECOMMENDED BY A SOIL TEST. IN LIEU OF A SOIL TEST, LIME SHALL BE APPLIED AT THE RATE OF 100 POUNDS PER 1.000-SQ. FT. OR 2 TONS PER ACRE. FERTILIZER-FERTILIZER SHALL BE APPLIED AS RECOMMENDED BY A SOIL TEST, IN PLACE OF A SOIL TEST, FERTILIZER SHALL BE APPLIED AT A RATE OF 25 POUNDS PER 1.000-SQ. FT. OR 1000 POUNDS PER ACRE OF A 10-10-10 OR 12-12-12

3. THE LIME AND FERTILIZER SHALL BE WORKED INTO THE SOIL WITH A DISK HARROW, SPRING-TOOTH HARROW, OR OTHER SUITABLE FIELD IMPLEMENT TO A DEPTH OF 3 INCHES. ON SLOPING LAND, THE SOIL SHALL BE WORKED ON THE CONTOUR.

Do not seed later

than August

than August

For shaded areas

 $\frac{1}{2} - \frac{3}{4}$  Do not seed later

#### **SEEDING DATES AND SOIL CONDITIONS:**

 SEEDING SHOULD BE DONE MARCH 1 TO MAY 31 OR AUGUST 1 TO SEPTEMBER 30. IF SEEDING OCCURS OUTSIDE OF THE ABOVE SPECIFIED DATES, ADDITIONAL MULCH AND IRRIGATION MAY BE REQUIRED TO ENSURE A MINIMUM OF 80% GERMINATION. TILLAGE FOR SEEDBED PREPARATION SHOULD BE DONE WHEN THE SOIL IS DRY ENOUGH TO CRUMBLE AND NOT FORM RIBBONS WHEN COMPRESSED BY HAND. FOR WINTER SEEDING, SEE THE FOLLOWING SECTION ON DORMANT SEEDING.

PERMANENT VEGETATION AND STRUCTURAL EROSION CONTROL MEASURES SHALL BE INSTALLED AS SOON AS PRACTICAL BUT NO LATER THAN 48 HOURS AFTER FINAL GRADING. THIS INCLUDES SOD OR OTHER METHODS OF RETAINING SEEDING MATERIAL PRIOR TO MATURATION IN THE LOWER 3 OF ANY DRAINAGE DITCHES.

3. LAND WHICH HAS BEEN CLEARED FOR DEVELOPMENT, AND UPON WHICH CONSTRUCTION HAS NOT COMMENCED WITHIN FOURTEEN (14) DAYS OF THIS INITIAL CLEARING SHALL BE PROTECTED FROM EROSION AND CONSEQUENT SEDIMENTATION BY APPROPRIATE VEGETATION AND LAND COVERING TECHNIQUES SUCH AS SEEDING. SODDING. MULCHING GROUND COVER INSTALLATION OR OTHER VEGETATION OR EARTH COVERING TECHNIQUES.

#### **DORMANT SEEDINGS:**

 SEEDINGS SHOULD NOT BE MADE FROM OCTOBER 1 THROUGH NOVEMBER 20. DURING THIS PERIOD. THE SEEDS ARE LIKELY TO GERMINATE BUT PROBABLY WILL NOT BE ABLE TO SURVIVE THE WINTER.

2. THE FOLLOWING METHODS MAY BE USED FOR "DORMANT SEEDING": FROM OCTOBER 1 THROUGH NOVEMBER 20, PREPARE THE SEEDBED, ADD THE REQUIRED AMOUNTS OF LIME AND FERTILIZER, THEN MULCH AND ANCHOR. AFTER NOVEMBER 20, AND BEFORE MARCH 15. BROADCAST THE SELECTED SEED MIXTURE. INCREASE THE SEEDING RATES BY 50% FOR THIS

• FROM NOVEMBER 20 THROUGH MARCH 15. WHEN SOIL CONDITIONS PERMIT, PREPARE THE SEEDBED. LIME AND FERTILIZE, APPLY THE SELECTED SEED MIXTURE, MULCH AND ANCHOR, INCREASE THE

SEEDING RATES BY 50% FOR THIS TYPE OF SEEDING. • APPLY SEED UNIFORMLY WITH A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDRO-SEEDER (SLURRY MAY INCLUDE SEED AND FERTILIZER) ON A FIRM, MOIST SEEDBED. • WHERE FEASIBLE, EXCEPT WHEN A CULTIPACKER TYPE SEEDER IS USED, THE SEEDBED SHOULD BE FIRMED FOLLOWING SEEDING OPERATIONS WITH A CULTIPACKER, ROLLER, OR LIGHT DRAG. ON

1. MULCH MATERIAL SHALL BE APPLIED IMMEDIATELY AFTER SEEDING. DORMANT SEEDING SHALL BE HYDROSEEDED. 100% OF THE GROUND SURFACE SHALL BE COVERED WITH AN APPROVED MATERIAL.

SLOPING LAND, SEEDING OPERATIONS SHOULD BE ON THE CONTOUR WHERE FEASIBLE.

2. MATERIALS • HYDROSEEDERS-IF WOOD CELLULOSE FIBER IS USED, IT SHALL BE APPLIED AT 2,000 LB./AC. OR

46 LB./1,000 SQ. FT. • OTHER-OTHER ACCEPTABLE MULCHES INCLUDE ROLLED EROSION CONTROL MATTINGS OR BLANKETS APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD CHIPS APPLIED AT 6 TONS PER ACRE.

3. MULCH ANCHORING METHODS

MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR WATER. • WOOD CELLULOSE FIBER-WOOD CELLULOSE FIBER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 POUNDS PER ACRE. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER WITH THE MIXTURE CONTAINING A MAXIMUM OF 50 POUNDS CELLULOSE PER 100 GALLONS OF WATER.

PERMANENT SEEDING SHALL INCLUDE IRRIGATION TO ESTABLISH VEGETATION DURING DRY WEATHER OR ON ADVERSE SITE CONDITIONS, WHICH REQUIRE ADEQUATE MOISTURE FOR SEED GERMINATION AND PLANT GROWTH. IRRIGATION RATES SHALL BE MONITORED TO PREVENT EROSION AND DAMAGE TO SEEDED AREAS FROM EXCESSIVE RUNOFF.

PERMANENT SEEDING

Hull & Associates, Inc. 6397 Emerald Parkway Phone: (614) 793-8777 Suite 200 Fax: (614) 793-9070 Dublin, OH 43016

Project Title:

GE COUNT 뽀



8715 MUIRFIELD DRIVE **DUBLIN, OH 43017** 

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Mark Description FOR PERMIT 05/24/2021 FOR PERMIT 06/18/2021

CMV005 Plot Date: 06/18/2021 EJK Lavout Bv: Drawn By: aet Check By: EJK Scale: as noted Issue Date: JUNE 2021

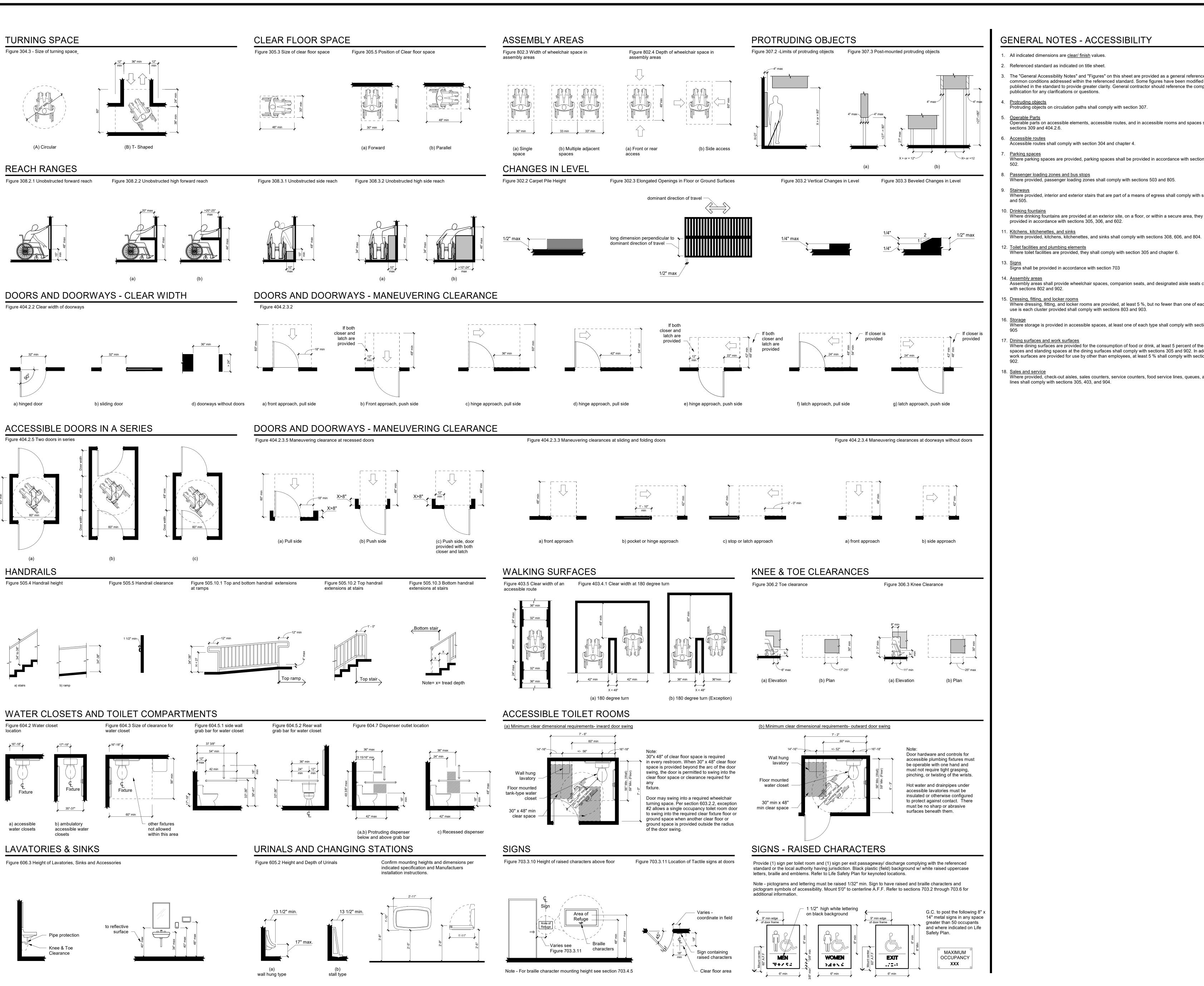
Sheet Title:

**TYPICAL DETAILS** 

Sheet Number:

C13.0

13 OF 13



1. All indicated dimensions are <u>clear/ finish</u> values.

. Referenced standard as indicated on title sheet.

3. The "General Accessibility Notes" and "Figures" on this sheet are provided as a general reference to illustrate common conditions addressed within the referenced standard. Some figures have been modified from those published in the standard to provide greater clarity. General contractor should reference the complete publication for any clarifications or questions.

Protruding objects on circulation paths shall comply with section 307.

Operable parts on accessible elements, accessible routes, and in accessible rooms and spaces shall comply sections 309 and 404.2.6.

Accessible routes shall comply with section 304 and chapter 4.

Where parking spaces are provided, parking spaces shall be provided in accordance with sections 406 and

Passenger loading zones and bus stops Where provided, passenger loading zones shall comply with sections 503 and 805.

Where provided, interior and exterior stairs that are part of a means of egress shall comply with sections 504

Where drinking fountains are provided at an exterior site, on a floor, or within a secure area, they shall be provided in accordance with sections 305, 306, and 602.

11. <u>Kitchens, kitchenettes, and sinks</u>

Toilet facilities and plumbing elements
 Where toilet facilities are provided, they shall comply with section 305 and chapter 6.

Signs shall be provided in accordance with section 703

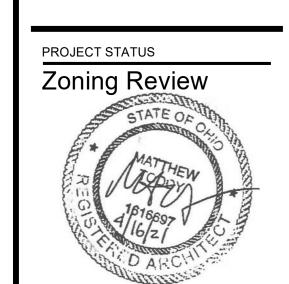
Assembly areas shall provide wheelchair spaces, companion seats, and designated aisle seats complying with sections 802 and 902.

Where dressing, fitting, and locker rooms are provided, at least 5 %, but no fewer than one of each type of use is each cluster provided shall comply with sections 803 and 903.

Where storage is provided in accessible spaces, at least one of each type shall comply with sections 305 and

17. Dining surfaces and work surfaces Where dining surfaces are provided for the consumption of food or drink, at least 5 percent of the seating spaces and standing spaces at the dining surfaces shall comply with sections 305 and 902. In addition, where work surfaces are provided for use by other than employees, at least 5 % shall comply with sections 305 and

Where provided, check-out aisles, sales counters, service counters, food service lines, queues, and waiting lines shall comply with sections 305, 403, and 904.



Design

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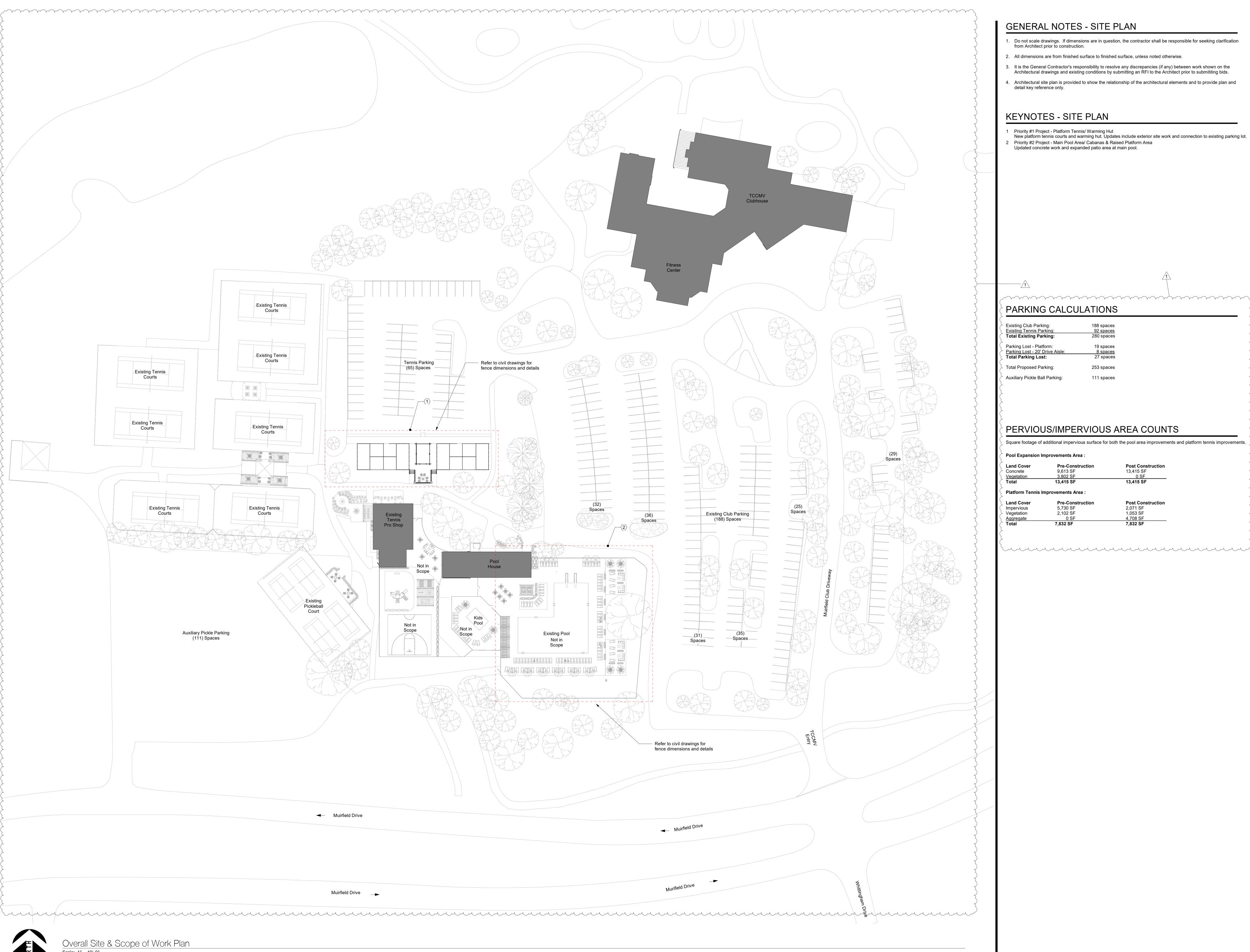
Architect, License # 1616697 Expiration Date: December 31, 2021

REVISIONS

INITIAL ISSUE DATE May 24, 2021 PROJECT NO.

0247.20

Accessibility Guidelines



#### GENERAL NOTES - SITE PLAN

- Do not scale drawings. If dimensions are in question, the contractor shall be responsible for seeking clarification from Architect prior to construction.
- 2. All dimensions are from finished surface to finished surface, unless noted otherwise.
- 3. It is the General Contractor's responsibility to resolve any discrepancies (if any) between work shown on the Architectural drawings and existing conditions by submitting an RFI to the Architect prior to submitting bids.
- 4. Architectural site plan is provided to show the relationship of the architectural elements and to provide plan and detail key reference only.

#### **KEYNOTES - SITE PLAN**

Priority #1 Project - Platform Tennis/ Warming Hut
New platform tennis courts and warming hut. Updates include exterior site work and connection to existing parking lot. 2 Priority #2 Project - Main Pool Area/ Cabanas & Raised Platform Area Updated concrete work and expanded patio area at main pool.

### PARKING CALCULATIONS

(		
}	Existing Club Parking:	188 spaces
>	Existing Tennis Parking:	92 spaces
	Total Existing Parking:	280 spaces
>	Parking Lost - Platform:	19 spaces
>	Parking Lost - 20' Drive Aisle:	8 spaces
>	Total Parking Lost:	27 spaces
>	Total Proposed Parking:	253 spaces
>	Auxiliary Pickle Ball Parking:	111 spaces

#### PERVIOUS/IMPERVIOUS AREA COUNTS

Square footage of additional impervious surface for both the pool area improvements and platform tennis improvements.

## Pool Expansion Improvements Area :

Land Cover	Pre-Construction	Post Construction
Concrete	9,613 SF	13,415 SF
Vegetation	3,802 SF	0 SF
Total	13,415 SF	13,415 SF
Land Cover	Pre-Construction	Post Construction
Impervious	5,730 SF	2,071 SF
<b>`</b>	·	•
Vegetation	2,102 SF	1,053 SF
Aggregate	0 SF	4.708 SF

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PROJECT STATUS **Zoning Review** 

Architect, License # 1616697 Expiration Date: December 31, 2021

Review Comments

INITIAL ISSUE DATE June 18, 2021

PROJECT NO. 0247.20

Site Plan

#### 3D VIEWS - PLATFORM TENNIS COURTS



3D VIEWS - AQUATIC CENTER













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PROJECT STATUS

Zoning Review

Architect, License # 1616697 Expiration Date: December 31, 2021

May 24, 2021

PROJECT NO. 0247.20

3D Views

#### GENERAL NOTES - RACQUET AREA

- Do not scale drawings. If dimensions are in question, the contractor shall be responsible for seeking clarification from Architect prior to construction.
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- Architectural site plan is provided to show the relationship of the architectural elements and to provide plan and detail key reference only.

#### PROJECT MATRIX -

Priority #1 Project - Platform Tennis/ Warming Hut
New platform tennis courts and warming hut. Updates include exterior site work and connection to existing parking lot.

Priority #2 Project - Main Pool Area/ Cabanas & Raised Platform Area
Updated concrete work and expanded patio area at main pool.

**Design**Collective

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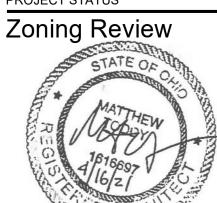
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PROJECT STATUS



Architect, License # 1616697

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an Updates - Pr

MV-Masterpla country Club at Mu Murifield Drive Dub

REVISIONS
# Description Date

May 24, 2021

PROJECT NO. 0247.20

Racquet Area Project Matrix

A-PD1

#### **GENERAL NOTES - PLATFORM COURT**

- 1. Do not scale drawings. If dimensions are in question, the contractor shall be responsible for seeking clarification from Architect prior to construction.
- 2. All dimensions are from finished surface to finished surface, unless noted otherwise.

#### **KEYNOTES - PLATFORM COURT** Not all notes appear on all sheets

- 1 Platform and courts by platform consultant. Refer to 'Total Platform Tennis' drawings. Provide power. Refer to
- electrical drawings. Stairs by platform consultant. Refer to 'Total Platform Tennis' drawings. Actual riser count may vary. Verify elevations in field. Coordinate finishes and dimensions with Owner and Architect.
- 3 Existing donor tree, protect tree and root structure during duration of construction
- 4 Warming hut. Refer to plans, elevations, and details. 5 Dashed line denotes new retaining wall
- 6 Retaining wall with stone veneer. Refer to details.
- 7 Existing sidewalk and/or cartpath to remain.
- 8 RH Peterson Campfyre Series gas burner and logset. Refer to details. Provide gas. Refer to plumbing plans.
- 10 Provide stamped concrete pad as indicated. Refer to structural details. Refer to legend for pattern basis-of-design. Verify extents of existing pavement in field. Coordinate with Owner and Architect.
- 11 New pavement to match exisiting. Verify extents in field, Coordinate location with Owner and Architect.
- 12 Refer to civil drawings for curb type location, and elevation 13 Refer to grading plan for retaining wall elevations, Typ. all retaining wall locations

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PROJECT MATRIX - RACQUET AREA

Priority #1 Project - Platform Tennis/ Warming Hut
New platform tennis courts and warming hut. Updates include exterior site work and connection to existing parking lot.

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**Zoning Review** 

Architect, License # 1616697 Expiration Date: December 31, 2021

Review Comments

INITIAL ISSUE DATE

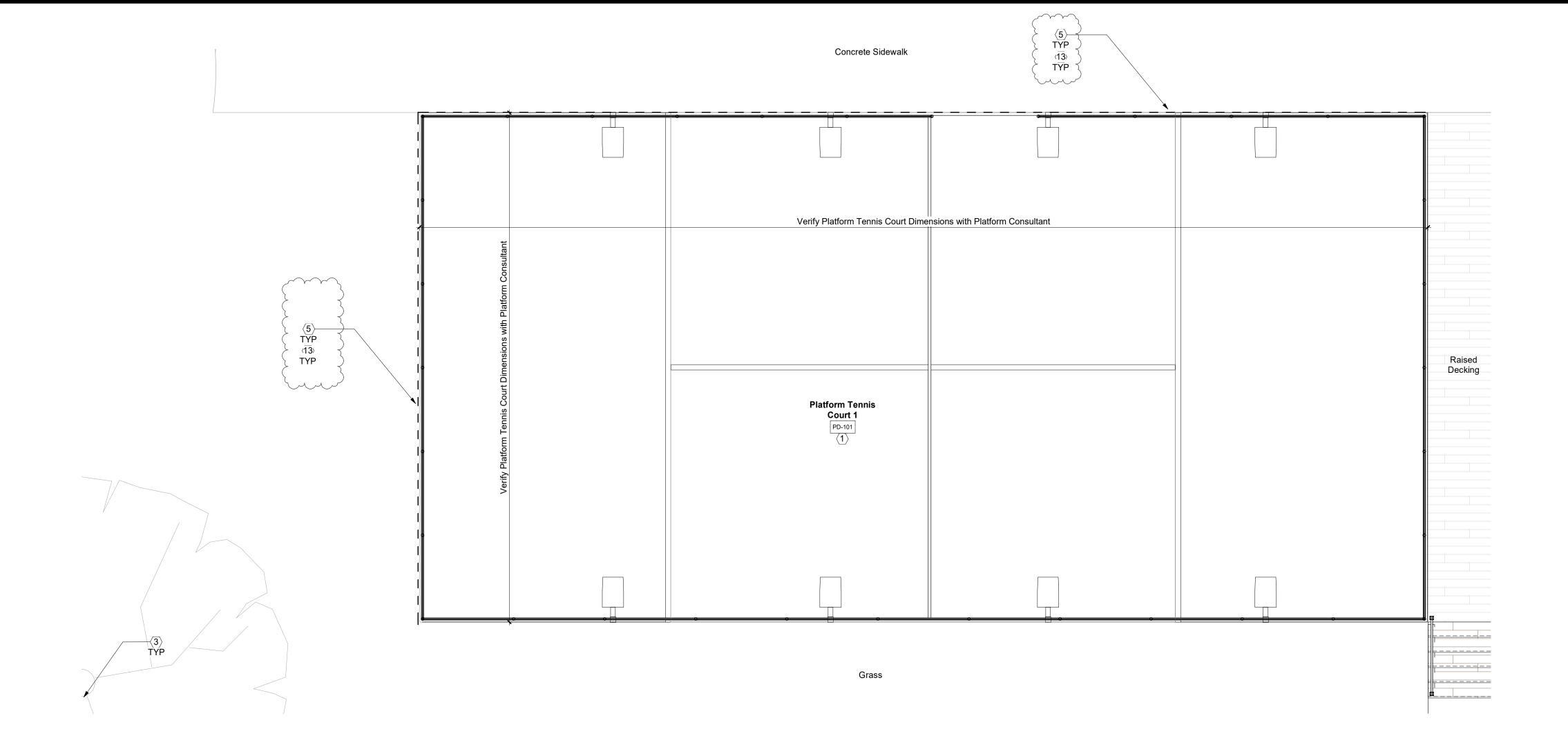
June 18, 2021

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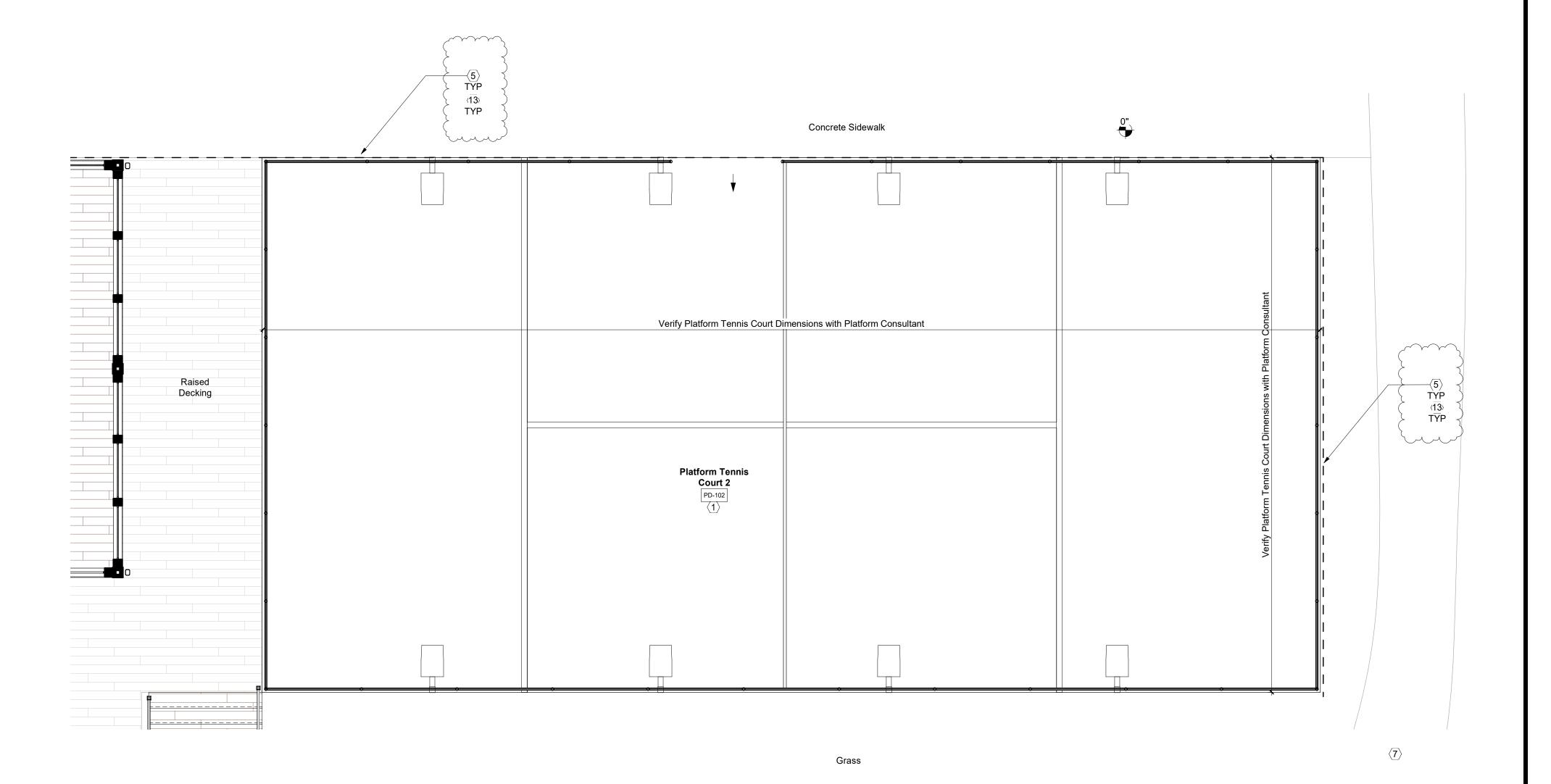
Platform Court -Plan

Overall Plan - Platform Tennis Courts

Scale: 1/8" = 1'-0"



Enlarged Plan - Platform Tennis Court (South)
Scale: 1/4" = 1'-0"



Enlarged Plan - Platform Tennis Court (North)

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

#### GENERAL NOTES - ENLARGED PLANS

- 1. Do not scale drawings. If dimensions are in question, the contractor shall be responsible for seeking clarification from Architect prior to construction.
- 2. All dimensions are from finished surface to finished surface, unless noted otherwise.

#### **KEYNOTES - PLATFORM COURT**

Not all notes appear on all sheets

Platform and courts by platform consultant. Refer to 'Total Platform Tennis' drawings. Provide power. Refer to electrical drawings.

Stairs by platform consultant. Refer to 'Total Platform Tennis' drawings. Actual riser count may vary. Verify elevations in field. Coordinate finishes and dimensions with Owner and Architect.

3 Existing donor tree, protect tree and root structure during duration of construction 4 Warming hut. Refer to plans, elevations, and details.

5 Dashed line denotes new retaining wall

6 Retaining wall with stone veneer. Refer to details.

7 Existing sidewalk and/or cartpath to remain. 8 RH Peterson Campfyre Series gas burner and logset. Refer to details. Provide gas. Refer to plumbing plans. 10 Provide stamped concrete pad as indicated. Refer to structural details. Refer to legend for pattern

basis-of-design. Verify extents of existing pavement in field. Coordinate with Owner and Architect. ✓14/ New-pavement to match existing: Verify extents in-field, Coordinate location with Owner and Architect.

12 Refer to civil drawings for curb type location, and elevation

13 Refer to grading plan for retaining wall elevations, Typ. all retaining wall locations

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PROJECT MATRIX - RACQUET AREA

Priority #2 Project - Platform Tennis/ Warming Hut
New platform tennis courts and warming hut. Updates include exterior site work and parking lot.

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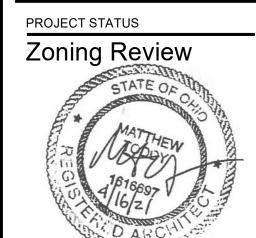
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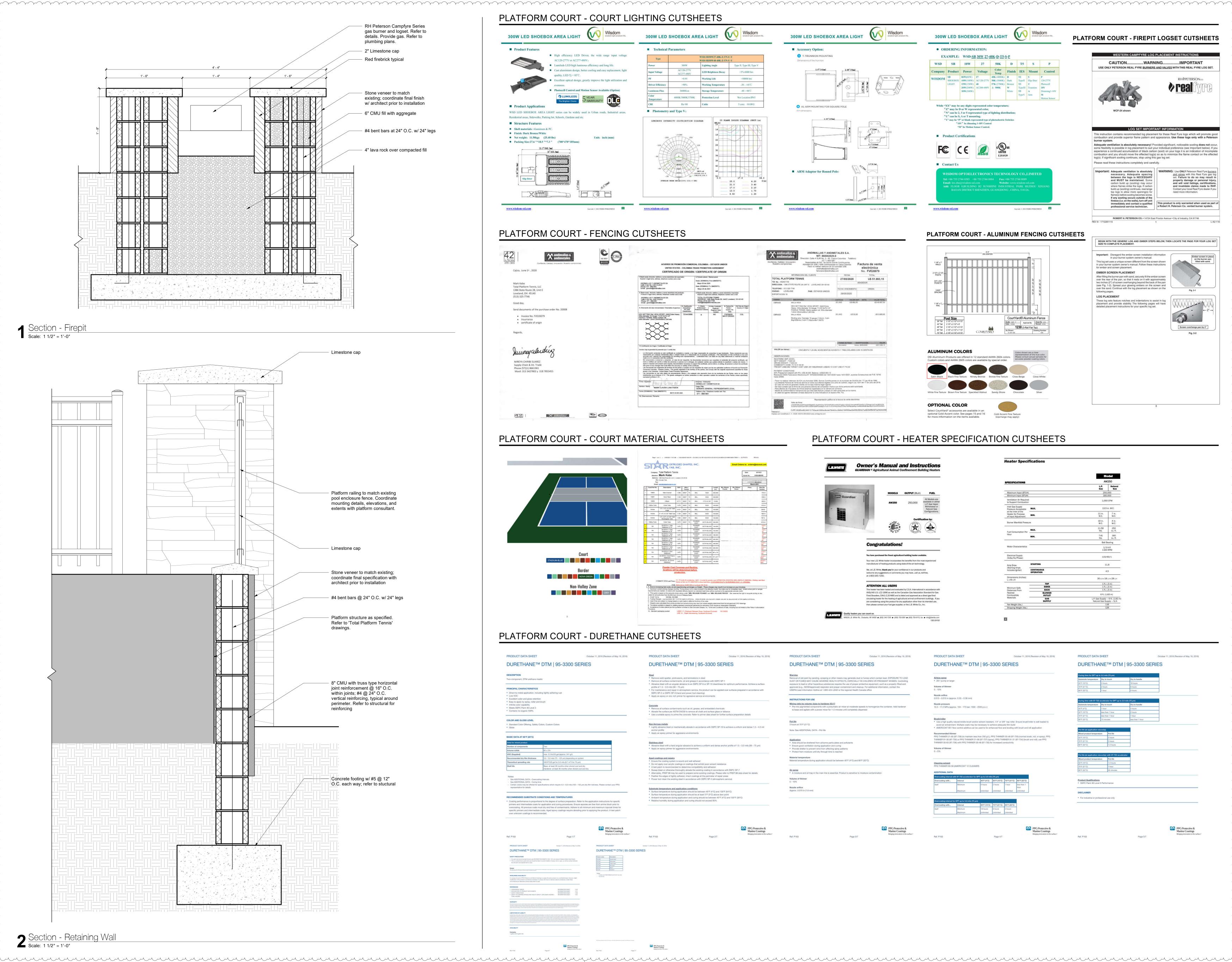


Architect, License # 1616697 Expiration Date: December 31, 2021

Review Comments

June 18, 2021 PROJECT NO. 0247.20

Platform Court -Enlarged Plans



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GENERAL CONTRACTOR

**Shaffer Construction** 

PROJECT STATUS Zoning Review

Architect, License # 1616697 Expiration Date: December 31, 2021

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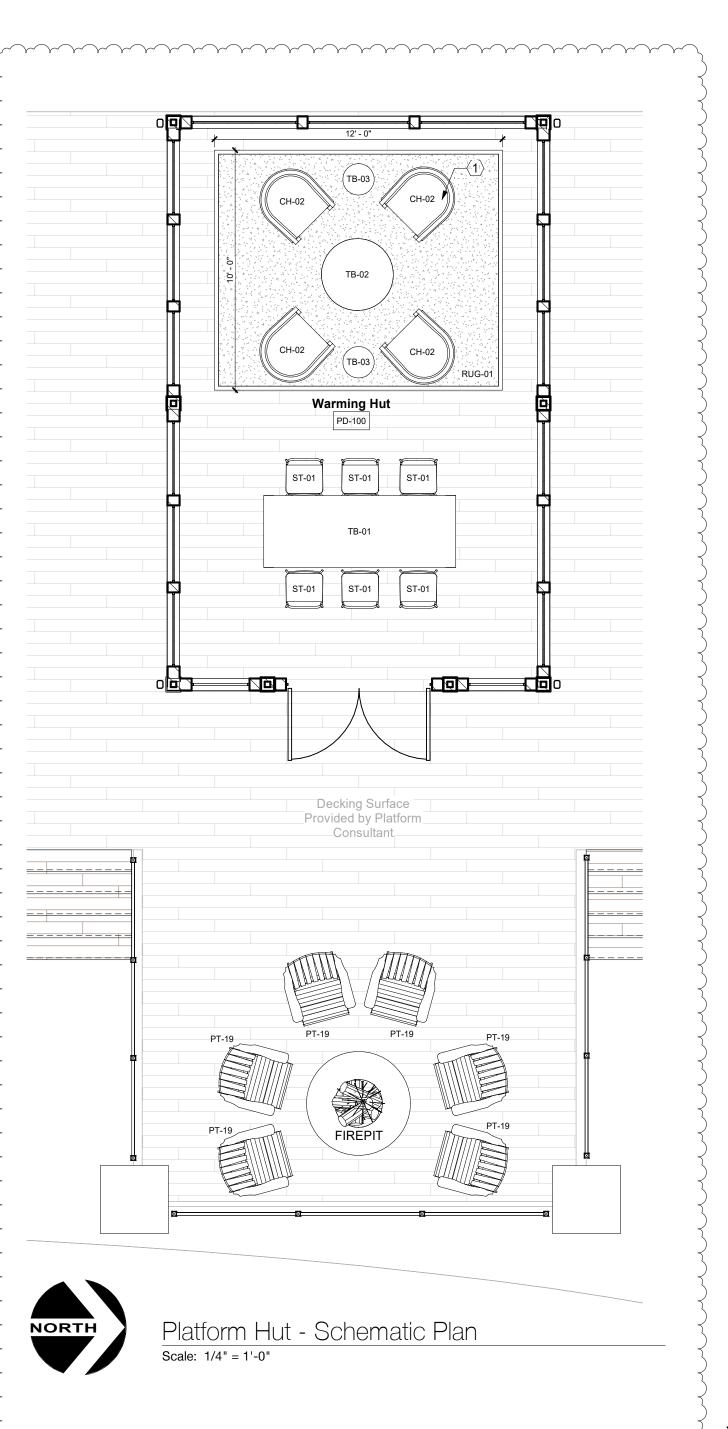
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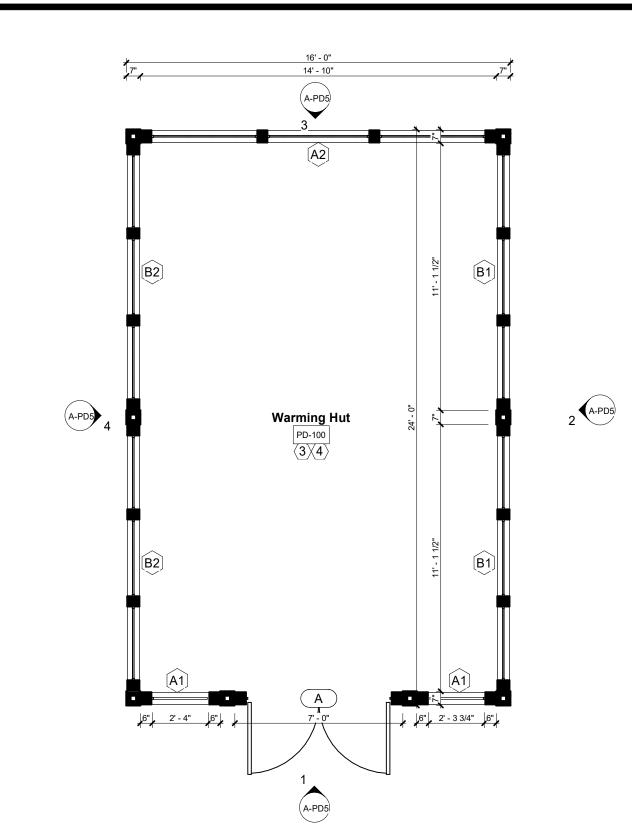
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REVISIONS # | Description 1 Review Comments

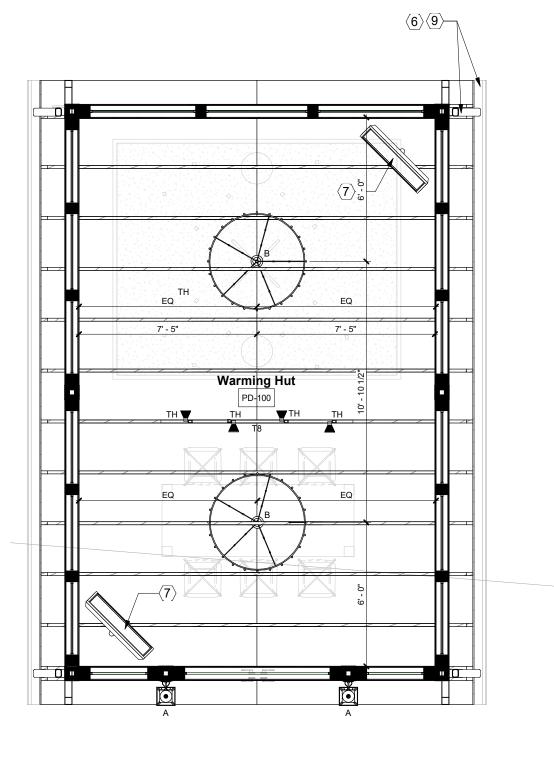
**INITIAL ISSUE DATE** June 18, 2021

Platform Court Sections/ Details

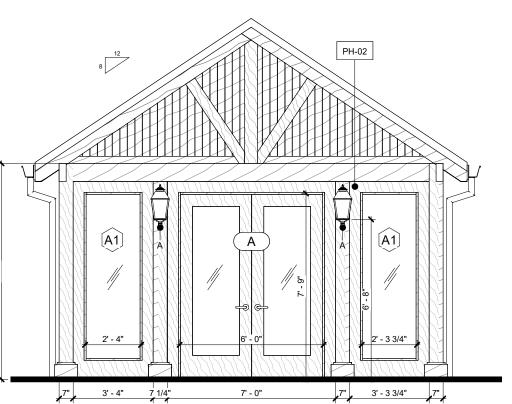


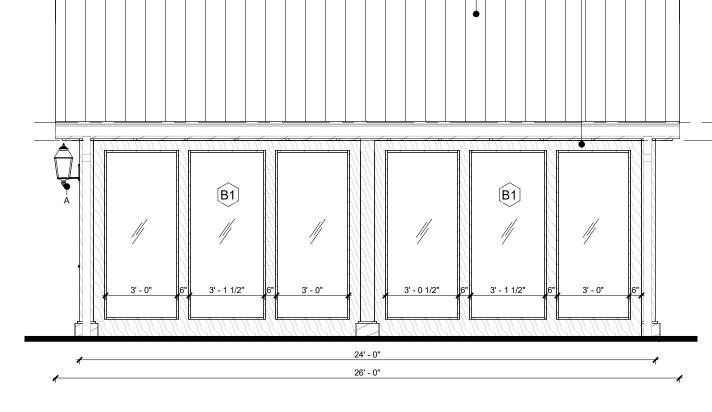


Platform Hut - Architectural Plan

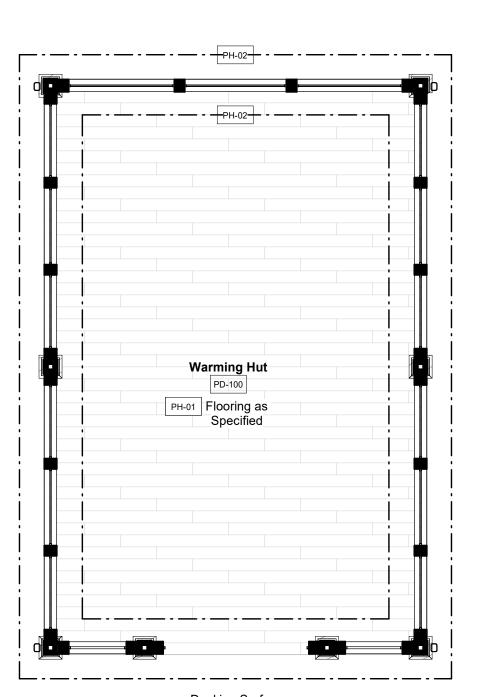




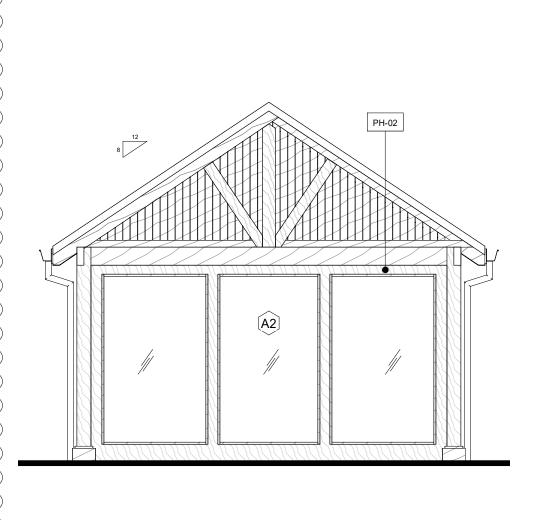




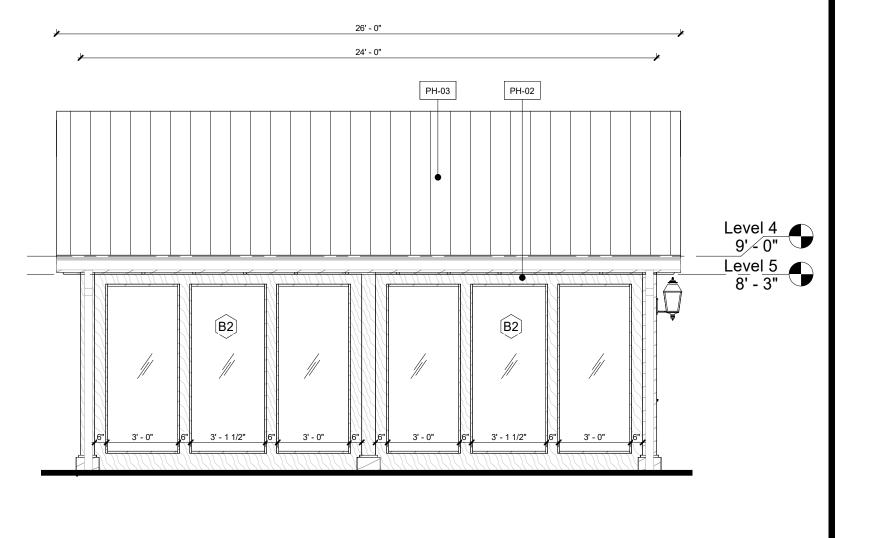












 $4 \frac{\text{Platform Hut - North}}{\text{Scale: } 1/4" = 1'-0"}$ 

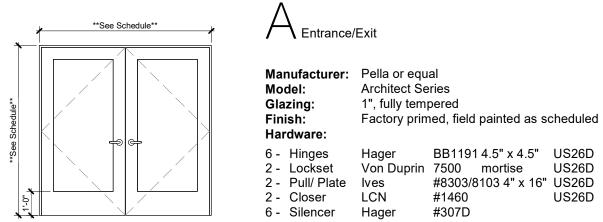
#### **KEYNOTES - PLATFORM HUT**

- 1 Millwork component with refrigerator incorporated. Provide power.
- 3 Coordinate Warming Hut location, extents, and connection to tennis platform with platform tennis vendor. Verify extents in field.
- 4 Refer to elevations for window details.
- 6 Provide R-38 batt insulation above ceiling. 7 Wall-mounted TV with fully articulated adjustable arm. Provide blocking in wall as needed. Provide cable and
- power on wall behind. Refer to electrical drawings. Refer to elevations for mounting height.
- 9 4" prefinished gutter and downspout. Finish to match window trim. 11 Furniture and accessories provided and installed by Owner.

#### SCHEDULE - DOORS

	Door Slab			Frame		Hardware				
Location	#	Description	Height	Width	Type	Finish	Туре	Finish	Set	Comments
Warming Hut	А	Full Lite Double Tempered Glass Door	7' - 8 1/2"	5' - 11"	WD	Moch a	WD	Moch a		

- 1. All hardware to be ADA compliant
- 2. Use wall or floor mounted floor stop as applicable
- 3. All glazing in doors and sidelites to be tempered or safety glass per code requirements
- 4. All door lever styles shall be schlage 'Saturn'; refer to hardware information for finish and lockset. Coordinate with Architect.
- 5. All hardware finishes shall match existing hardware finish.
- 6. The unlatching of any door or leaf shall not require more than one operation per chapter 10. Notify Architect imediately if conflict arises.



#### **LEGEND - FINISH PLAN SYMBOLS**

ROOM FINISH TAG:		FINISH LIMIT TICKS:	
F-1 B-1 W-1	<ul><li>Floor Finish</li><li>Base Finish</li><li>Wall Finish</li></ul>	W-1	<ul><li>Indicates finish betwe location of ticks on pla</li><li>Indicates limit of finish</li></ul>

#### **SCHEDULE - INTERIOR FINISHES**

Type	Description	Manufacturer	Model	Comments
PH-01	Tile (Wood look)	Landmark Ceramics	Emotions, 8"x 40" Wood Look Planks, Color: 'Happy Walnut'	Grout: TBD to match, 1/4". Install waterproof floor membrane beneath tile as directed by Owner.
PH-02	Medium Wood Stain	By Contractor	Mocha Wood Stain to Match Architects Sample	Install per Mfgs Recomendations, Refer to Berlin Gardens drawings for additional details
PH-03	Metal Roof	By Contractor	Metal standing seam roof, Finish: Antique Bronze with finished T&G ceiling on the underside of warming hut	Install per Mfgs Recomendations, Refer to Berlin Gardens drawings for additional details

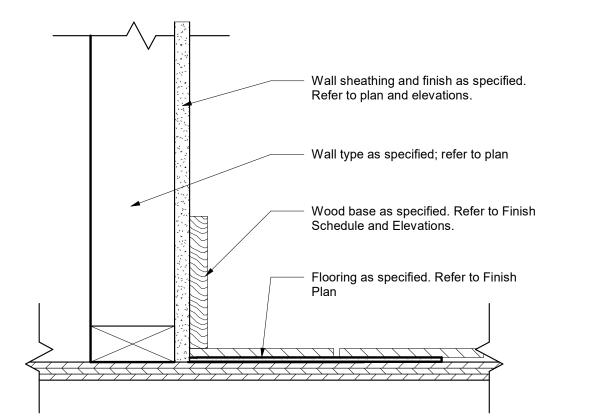
#### SCHEDULE - FURNITURE

Туре	Description	Manufacturer	Model
CH-02	Lounge Chair	TBD	TBD
PT-19	Adirondack (Patio)	Dave's Amish Furniture	Adirondack Chair, Finish: Grey Composite
RUG-01	Area Rug	TBD	TBD
ST-01	Barstool	TBD	TBD
TB-01	Communal High Top table	TBD	TBD
TB-02	Coffee Table	TBD	TBD
TB-03	Tri Base 15.75 Round Top	TBD	TBD



Adirondack Lounge Chair 

#### FLOOR FINISH BASE DETAIL



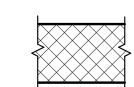
#### **GENERAL NOTES - PLATFORM HUT**

- Do not scale drawings. If dimensions are in question, the contractor shall be responsible for seeking clarification from Architect prior to construction.
- 2. All dimensions are from finished surface to finished surface, unless noted otherwise.
- All items noted as removed or demolished become the property of the contractor, and are to be disposed of in a manner complying with all local, state, and federal regulations.
- Notify architect of all existing construction not specifically noted on the drawings and remove or retain those items only as directed by the architect.
- Contractor is solely responsible for all temporary bracing and shoring of existing structure and all construction during demolition and new construction.
- Remove damaged corner beads and any beads at existing corners where new walls align with existing trim.
- Remove promptly from the premises all products of demolition not designated for reuse. No debris shall be allowed to accumulate. Take appropriate measures to control dust.
- Pipes, conduit and ductwork encountered in demolished partitions and ceilings which are to remain will be rerouted and concealed. Those which are to be abandoned shall be capped and completely concealed in the floor,
- General contractor is to install floor-to-ceiling 6mil polyethylene barrier between occupied areas and renovated areas. Maintain existing walls as temporary protective barriers until phasing requires demolition of existing
- partitions. Protect doors, moldings, and walls with non-staining paper. 10. The contractor is to promptly repair all damage caused to adjacent areas by demolition at no additional expense
- to the tenant/ owner with matching material, finish, and color.
- 11. The contractor is responsible for moving any furniture which may be necessary for demolition or new
- 12. All work causing excessive noise or requiring shutdown of any services, utilities, or risers serving occupied areas of the building shall be carried out only by arrangement with the tenant/ owner/ building management.
- 13. All areas where demolition causes unevenness or voids in the floor are to be patched to level with r-dex or equal
- 14. Remove all residual carpet, padding, tack strips, or adhesive from the areas designated.
- 15. Remove existing ceiling tile as indicated on reflective ceiling plans. Existing black iron may be reused at contractor's option and architect's approval.
- 16. Architectural reflected ceiling plans are for the purpose of indicating the design intent only. Indicated location of HVAC diffusers, return air grilles, light fixtures, etc., are shown only for coordination of these items with the architectural design elements. Refer to Engineer's drawings for specifications and exact locations of these items. If discrepancies between the engineering drawings and architectural drawings are discovered, Contractor shall notify Architect for clarification prior to installing work in question.
- 17. Ceiling grid layout is to be centered both ways in rooms or spaces unless noted otherwise.
- 18. HVAC diffusers and return air grilles are to be centered between light fixtures unless noted otherwise.
- 19. The Contractor shall provide access panels, where equipment requiring access is located above finished, nonaccessible ceilings. Match access panel to adjacent finish. Coordinate specific access panel details with
- 20. Do not install light fixtures lenses or remove protective plastic film until carpet has been installed and vacuumed.
- 21. Install acoustical ceiling panels with grain/texture running in the same direction unless indicated otherwise.
- 22. If acoustical ceiling panels have been specified, Contractor shall include an allowance to provide Owner with a five percent attic stock of each panel type used on the project, in unopened cartons for maintenance and replacement use. Verify actual quantity with Owner prior to order.
- 23. Gypsum board ceilings and soffits as indicated on these drawings are to be attached or suspended according to construction procedures described in latest edition of The Gypsum Construction Handbook by USG; published by
- 24. All ceiling mounted items shall be installed per manufactures instructions. Contractor shall identify and provide all
- required blocking for their proper attachment. 25. All flooring finish material shall have a classification complying with code required minimums. Refer to Title Sheet
- for additional information. Copies of test reports for flooring materials shall be provided at the request of the code 26. All wall and ceiling finish materials shall have a classification complying with code minimums. Refer to Title Sheet
- for additional information. Copies of test reports for these materials shall be provided at the request of the code 27. Interior finish materials shall be applied or attached in such a manner that such materials will not readily become
- detached when subjected to room temperatures of 200 degrees Fahrenheit (93 degrees Celsius), for not less
- 28. All areas not specifically designated are to receive a smooth paint finish.
- paint finish. See schedule for paint color or application of other finish material. 30. Contractor is to provide a covering to protect new flooring material after installation.
- 31. Paint is to be applied over properly prepared surface meeting manufacturer's recommendations. Provide minimum two finish coats over primer on uncoated materials, two finish coats over previously finished materials.

29. Gypsum board walls, ceilings, soffits, fascias, light pockets, drapery pockets, etc. Are to be prepared for smooth

- 32. Repainting of surfaces across entire areas to a change of plane may be required if touch ups are visible. Such
- repainting will be at the architect's sole discretion.
- 33. Surfaces receiving wall covering shall be given one coat of primer. Sizing shall be applied as recommended by the wallcovering manufacturer.
- 34. Wall covering is to be applied in strict accordance with the manufacturer's recommendations. Examine material for color variations, defects, or shading, and advise architect of such prior to cutting of material. Failure to do so could result in general replacement and/ or reinstallation of the goods.
- 35. Submit to architect three (3) samples, 8" x 10" minimum size, of all paints, wall coverings, wood veneers & stains, trim, etc. Finish shall match that specified for the material (ie gloss, flat, eggshell, etc.)
- 36. Paint brands and colors specified reflect the precise color and finish result desired. Architect will review alternative products when requested and clearly designated in writing by the contractor, and three sets of samples are submitted. Acceptance or rejection of such alternatives is solely at the discretion of the Architect, and minor variations in color and/ or texture may constitute grounds for rejection.
- 37. Where different height flooring materials abut, provide aluminum reducer strips, unless specified otherwise. 38. Wall and ceiling mounted items, including, but not limited to, registers, diffusers, grilles, speakers, clean-outs, cover plates, outlets, switches and thermostats, wheter factory pre-finished or not, which do not match the
- adjacent wall or ceiling color shall be field painted to match adjacent wall U.N.O. within these documents. 39. Drywall control joints shall be provied as shown on drawings and/or as recommended by ASTM C840.
- 40. Fabrics shall be separately fire treated by the GC if not pre-treated by the Manufacturer.

## LEGEND - ARCHITECTURAL PLAN



Indicates new construction

#### SCHEDULE - LIGHT FIXTURES

Туре	Description	Manufacturer	Model	Туре	Mounting Height
A	Outdoor Wall Sconce	Rejuvenation	Yeon Single Sconce Finish: Oil-Rubbed Bronze and Seeded Shade	60W E26 LED	Install per Manuf. recommendations, refer to Elevations for mounting heights
В	Chandelier	Restoration Hardware	Camino Vintage Filament 50" Round Chandelier Finish: Iron	(24) 25W E12 Candelab ra bulbs	Install per Manu. recommendations, refer to Elevations for mounting heights
T8	Track - 8' (Ceiling Mounted)	ConTech Lighting	LT-8-B (Black)		Ceiling Mounted
TH	Track Head	ConTech Lighting	CTL1216T-B	MR16	n/a







Type TH: Track Head



Dublin, OH 43017 Ted: (614) 764-1714

E: dmancini@tccmv.com

ARCHITECT **Design Collective Architecture** 

151 East Nationwide Blvd.

Tel: (614) 464-2880 Contact: Matt Toddy

Columbus, OH 43215

E: mtoddy@dcollective.com

GENERAL CONTRACTOR

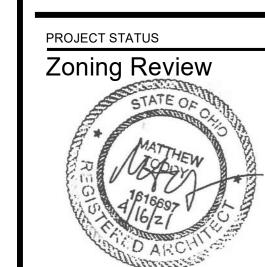
**Shaffer Construction** 3675 Trabue Road Columbus, OH 43228

Tel: (614) 402-2122 Contact: Greg Callaghan

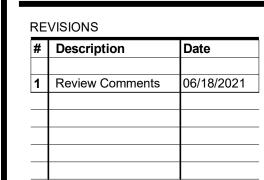
6397 Emerald Parkway, Suite 200

E: greg@shafferconstruction.com **Hull & Associates** 

Dublin, OH 43016 Tel: (614) 793-8777 Contact: Eric Koch E: ekoch@hullinc.com



Architect, License # 1616697 Expiration Date: December 31, 2021



**INITIAL ISSUE DATE** June 18, 2021

PROJECT NO. 0247.20

Warming Hut

Plans

#### 1'-0"~ -1'-0" (6): POSTS: 5-PLY RIDGE LINE OF OVERHANG 2x6 FLY RAFTER EACH END HEADER (SEE TABLES) . #1 SYP RAFTERS POST - SPACING (SEE TABLE) 2v8 OUTSIDE & 2v6 INSIDE #1 SYP END RAFTER W/ 2x4 SANDWICHED IN BETWEEN

#### BRECKENRIDGE PAVILIONS

C. DOCT DAVILION TADLE

				6- POST	PAVILION	TABLE			
SIZE	A	В	С	D	HEADERS*	HEIGHT (G)	AREA (SQ. FT.)	RAFTER (#) ON CENTER SPACING	FOOTER DIAMETER - (I) REBAR CALLOUT
10X18	10'-0"	18'-0"	12'-0"	20'-0"	2- PLY	11' - 4"	180	2x4 @ 24"	16" · (5) #4 VERTICAL
10X20	10'-0"	20'-0"	12'-0"	22'-0"	2- PLY	11' - 4"	220	2x4 @ 24"	16" - (5) #4 VERTICAL
12X18	12'-0"	18'-0"	14'-0"	20'-0"	2- PLY	12' - 0"	216	2x4 @ 24"	16" · (5) #4 VERTICAL
12X20	12'-0"	20'-0"	14'-0"	22'-0"	2- PLY	12' - 0"	240	2x4 @ 24"	16" · (5) #4 VERTICAL
14X18	14'-0"	18'-0"	16'-0"	20'-0"	2- PLY	12' - 8"	252	2x4 @ 24"	16" · (5) #4 VERTICAL
14X20	14'-0"	20'-0"	16'-0"	22'-0"	3- PLY	12' - 8"	280	2x4 @ 24"	16" - (5) #4 VERTICAL
14X24	14'-0"	24'-0"	16'-0"	26'-0"	3- PLY	12' - 8"	336	2x4 @ 24"	16" · (5) #4 VERTICAL
16X18	16'-0"	18'-0"	18'-0"	20'-0"	2- PLY	13' - 4"	288	2x6 @ 24"	20" - (5) #4 VERTICAL
16X20	16'-0"	20'-0"	18'-0"	22'-0"	3- PLY	13' - 4"	320	2x6 @ 24"	20" - (5) #4 VERTICAL
16Y00	101.01	221.011	18' 9"	94.01	9 DLV	19' 4"	959	9-0 @ 94"	90" - (E) #4 VEDDECAL
16X24	16'-0"	24'-0"	18'-0"	26'-0"	3- PLY	13' - 4"	384	2x6 @ 24"	20" - (5) #4 VERTICAL
10A10	10 0	10 0	20 0	20 0	9 ILI	14 0	029	2x0 @ 24	20" (5) #4 VERTICAL
18X20	18'-0"	20'-0"	20'-0"	22'-0"	3- PLY	14' - 0"	360	2x6 @ 24"	20" - (5) #4 VERTICAL
18X24	18'-0"	24'-0"	20'-0"	26'-0"	3- PLY	14' - 0"	432	2x6 @ 24"	20" · (5) #4 VERTICAL
20X20	20'-0"	20'-0"	22'-0"	22'-0"	3- PLY	14' - 8"	400	2x6 @ 24"	20" - (5) #4 VERTICAL
20X24	20'-0"	24'-0"	22'-0"	26'-0"	3- PLY	14' - 8"	480	2x6 @ 24"	20" - (5) #4 VERTICAL

#### ROOFING EXPOSED RAFTER TAIL EXPOSED 2-PLY $22.5^{\circ}$ END CUT END RAFTER TAIL . 1'-0" HEADER BRACE (TYP. ALL POSTS) 5-PLV 2x8#1 SVP LAMINATED POSTS FINISHED FLOOR

2-6P-S-100 SIDE ELEVATION

2- PLY END RAFTER

2x8#1 SYP LAMINATED POST TREATED FOR GROUND CONTACT

FINISHED FLOOR

3-6P-S-100 CROSS SECTION- RAFTERS

BRACE (TYP. ALL POSTS)

8'-0"

PTIONAL CEILING 2x8 OUTSIDE & 2x6 INSIDE #1 SYP END RAPTER W/ 2x4 SANDWICHED IN BETWEEN

- 2x6 #1 SYP RAFTER TAIL

SECTION DETAIL 1-6P-S-101

(2)- 2x10 END HEADER

TYP. ALL SIZES

1-6P-S-100 ROOF FRAMING PLAN

\*HEADER NOTES: 2- PLY IS (2)- 2x10 #1 SYP FASTENED TOGETHER. 3- PLY IS (3)- 2x10 #1 SYP FASTENED TOGETHER. HEADER PLY'S ARE GLUED TOGETHER (#) #1 SYP RAFTERS w/#1 SYP COLLAR TIE @ 6' O.C. INSTALL 3'- 6" FROM RIDGE.

ALL MATERIALS, UNLESS OTHERWISE NOTED, ARE SOUTHERN YELLOW PINE #2 or BETTER GRADE

Fasteners Are GRK-RSS Construction Screws or Saber Drive Screws At Length and Diameter Specified w/ Coating Approved For Use In Preservative Treated Wood w/ The Treatment Used Unless Noted Otherwise.

Footings Shown Are Applicable For Pavilions Listed in Tables. The Soils Strengths Is Code Allowed Minimum 1,500 psf. The Design Is Based On Level Ground For At Least 10 ft. Beyond Building Line In All Directions. If These Conditions DO NOT Exist, A Registered Engineer Must Do The Final Foundation Design.

ALL BOXED SPECS. ARE APPLICABLE FOR SPECIFIC JOBS.

#### OTHERS RESPONSIBLE FOR BUILDING DEPARTMENT SUBMITTAL

Design Complies with Ohio Residential Code 2019 and The Ohio Building Code 2017 Structural Design Based On ASCE 7 - 10

Snow Load:

Ground Snow Load = 20 Psf Snow Exposure Factor For Terrain Category B = 1.0 Thermal Factor 1.2

Slope Factor 1.0 -

Importance Factor For Category II = 1.0 Unbalanced Snow Load, Does Not Apply Roof LL = 20 psf

Roof DL = 10 psf

Wind Load: Basic Wind Speed Per Figure = 115 MPH Wind Pressure For Exposure B Per Table mportance Factor For Category II = 1.0

#### SEISMIC DESIGN

S5 = 15S1 = 6Site Class = D Designed Using Simplified Lateral Force Analysis Procedures.

F = 1.0Fa = 1.4Sds = 1.0R = 7

> - 5-PLY 2x8 #1 LAMINATED SYP POSTS (TREATED FOR GROUND CONTACT)

- CONCRETE - 4,000 psi w/ 5- 7% AIR ENTERTAINMENT

ROOF STRUCTURE OPTIONS-PINE SHEATHING w/ EITHER - ALL TRUSSES

ROOFING OPTIONS-

FOUNDATION NOTES-

· 30 YEAR ASPHALT SHINGLES - 29 GA, PAINTED STEEL ROOF

OPTIONAL CEILING-

1x6 PINE T&G BOARDS

ROOFING OPTIONS-

- 30 YEAR ASPHALT SHINGLES - 29 GA. PAINTED STEEL ROOF



BERLIN GARDENS LLC 5029 TOWNSHIP HIGHWAY 359 MILLERSBURG, OH 44654

INFORMATIONAL

COPY ONLY SEALED PLANS

AVAILABLE

UPON REQUEST

REVISIONS
MARK DATE DESCRIPTION 1. 3-12-20 AG-CO FOOTER

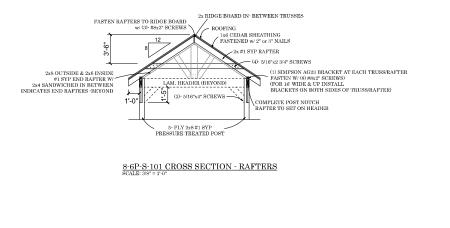
PROJECT NO: XXX DRAWN BY: KK DATE: 4/28/2020

SHEET TITLE:

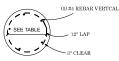
BRECKENRIDGE PAVILION 6 - POST STRUCTURES

6P S-100

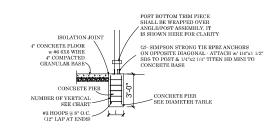
 $\underline{\underline{Breckenridge\ Pavillion}}_{SCALE:\ 3/8"=\ 1'^0"}$ 



NOTE: OPTIONAL CEILING CAN BE INSTALLED



Rebar Diagram



6-6P-S-101 HEADER LAMINATING FASTENER PATTERN

2- PLY FASTENER PATTERN W #8x2 1/2" SCREWS
3- PLY FASTENER PATTERN IS SAME W:#8x3" SCREWS
4- PLY FASTENER PATTERN IS SAME W:#8x4" SCREWS
"X' S' INDICATE SCREWS INSTALLED
FOR 3- PLY, INSTALL 3-PLY BETWEEN THE POSTS.



GALVANIZED NAILS

2x6 WIND BLOCK TREATED (TYP) (LENGTH= 2\* LESS THAN PAD DIA.) – w/ (6) 16d HOT- DIPPED POST BOTTOM TRIM PIECE

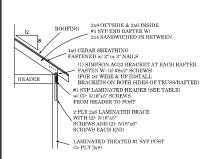
SHALL BE WRAPPED OVER ANGLE/POST ASSEMBLY, IT

SEE DIAMETER TABLE

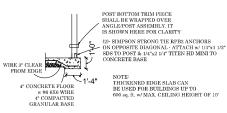
IS SHOWN HERE FOR CLARITY

4-6P-S-101 CONCRETE PIER POST ANCHOR

 $\frac{Breckenridge\ Pavillion}{SCALE:\ 3/8"=1^{\circ}0"}$ 

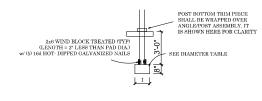


1-6P-S-101 2x10 HEADER CONNECTION DETAIL



2-6P-S-101 FOUNDATION DETAIL - ON CONCRETE

WHERE PERMITTED BY BUILDING CODE



3-6P-S-101 EMBEDDED POST - FROST PROTECTED



take life outdoors™

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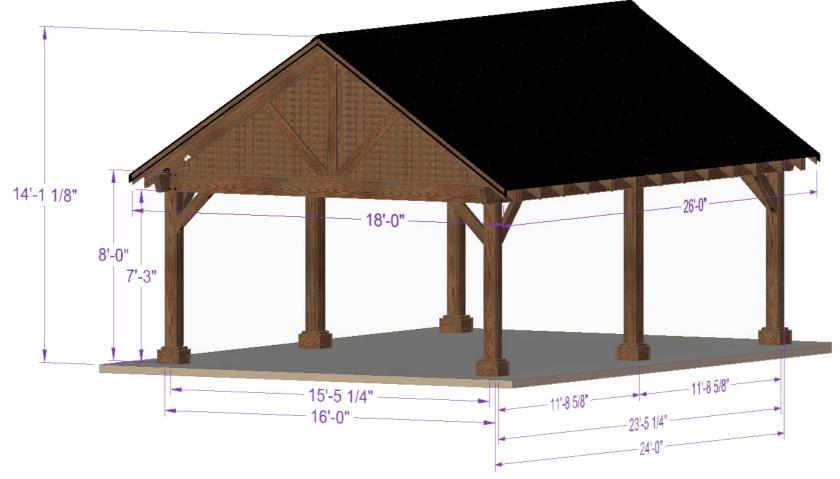
PROJECT NO: xxx

DRAWN BY: KK

DATE: 4/28/2020

SHEET TITLE:

BRECKENRIDGE PAVILION 6 · POST STRUCTURES





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1. 3-12-20 AG-CO POOTER

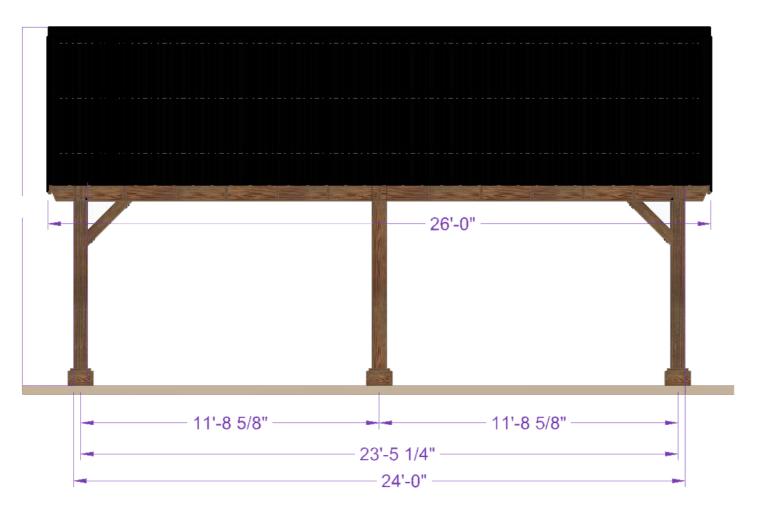
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DRAWN BY: KK

DATE: 4/28/2020

SHEET TITLE:

BRECKENRIDGE PAVILION
6 - POST STRUCTURES

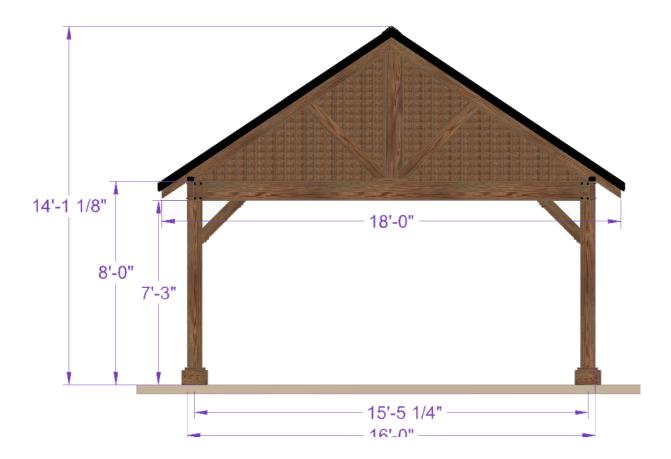




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REVISIONS							
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1.	3-12-20	AG-CO FOOTER					
PROJECT NO: xxx							
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SHEET TITLE:							
BRECKENRIDGE PAVILION							

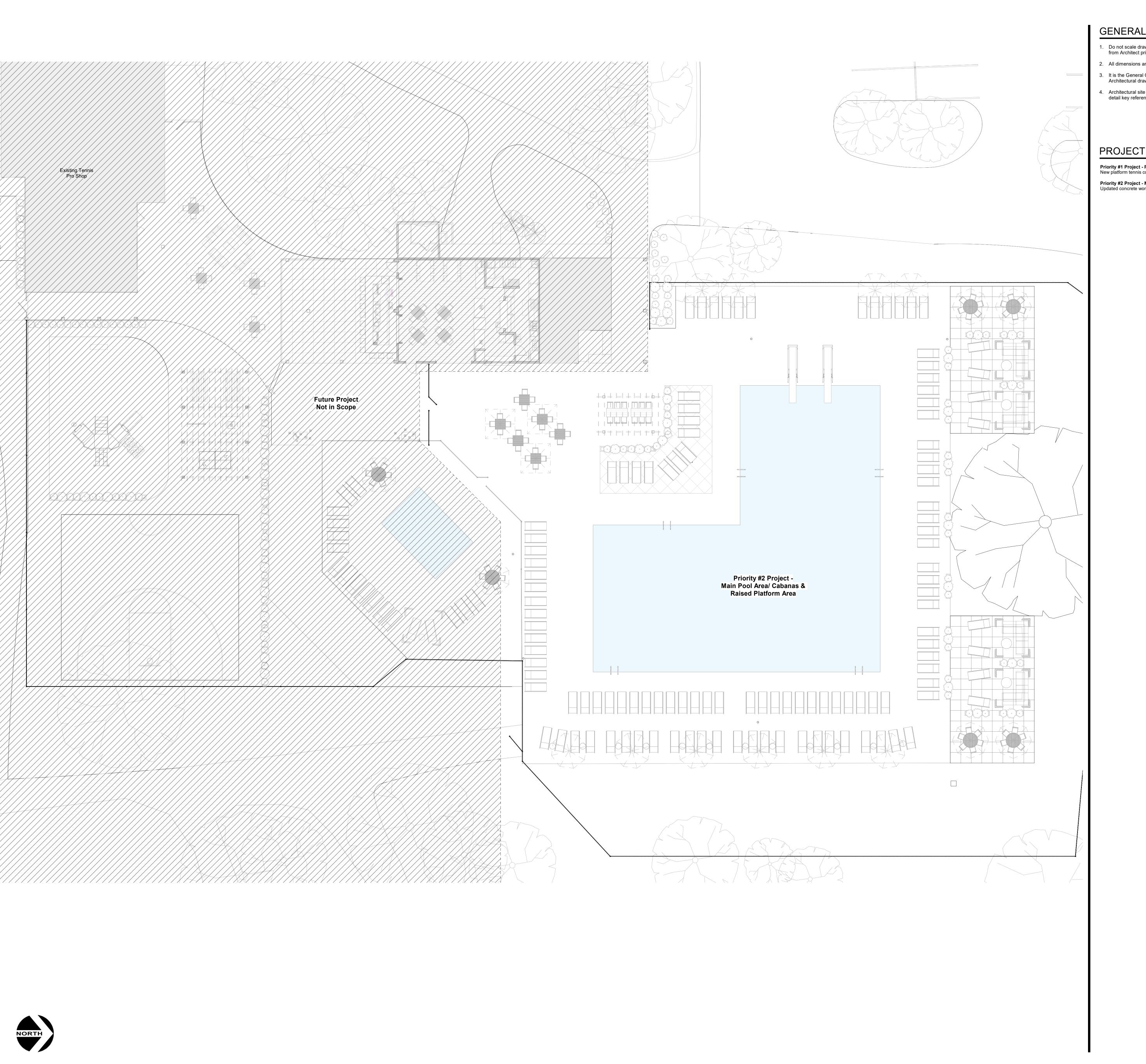




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	SIONS	DESCRIPTION			
MARK					
1.	3-12-20	AG-CO FOOTE			
PROJE	CT NO:	xxx			
DRAWN BY: KK					
DATE: 4/28/2020					
SHEET TITLE:					



#### GENERAL NOTES - AQUATICS

- 1. Do not scale drawings. If dimensions are in question, the contractor shall be responsible for seeking clarification from Architect prior to construction.
- 2. All dimensions are from finished surface to finished surface, unless noted otherwise.
- 3. It is the General Contractor's responsibility to resolve any discrepancies (if any) between work shown on the Architectural drawings and existing conditions by submitting an RFI to the Architect prior to submitting bids.
- Architectural site plan is provided to show the relationship of the architectural elements and to provide plan and detail key reference only.

#### PROJECT MATRIX -

Priority #1 Project - Platform Tennis/ Warming Hut
New platform tennis courts and warming hut. Updates include exterior site work and connection to existing parking lot. Priority #2 Project - Main Pool Area/ Cabanas & Raised Platform Area Updated concrete work and expanded patio area at main pool.

Country Club at Muirfield Village 8715 Muirfield Drive Dublin, OH 43017

Ted: (614) 764-1714 Contact: Domenick Mancini

E: dmancini@tccmv.com

ARCHITECT Design Collective Architecture 151 East Nationwide Blvd.

Columbus, OH 43215 Tel: (614) 464-2880 Contact: Matt Toddy

E: mtoddy@dcollective.com

GENERAL CONTRACTOR

**Shaffer Construction** 3675 Trabue Road

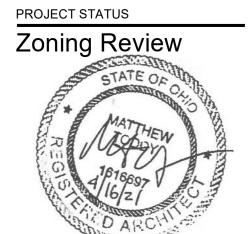
Columbus, OH 43228 Tel: (614) 402-2122

Contact: Greg Callaghan E: greg@shafferconstruction.com

**Hull & Associates** 6397 Emerald Parkway, Suite 200

Dublin, OH 43016 Tel: (614) 793-8777 Contact: Eric Koch

E: ekoch@hullinc.com



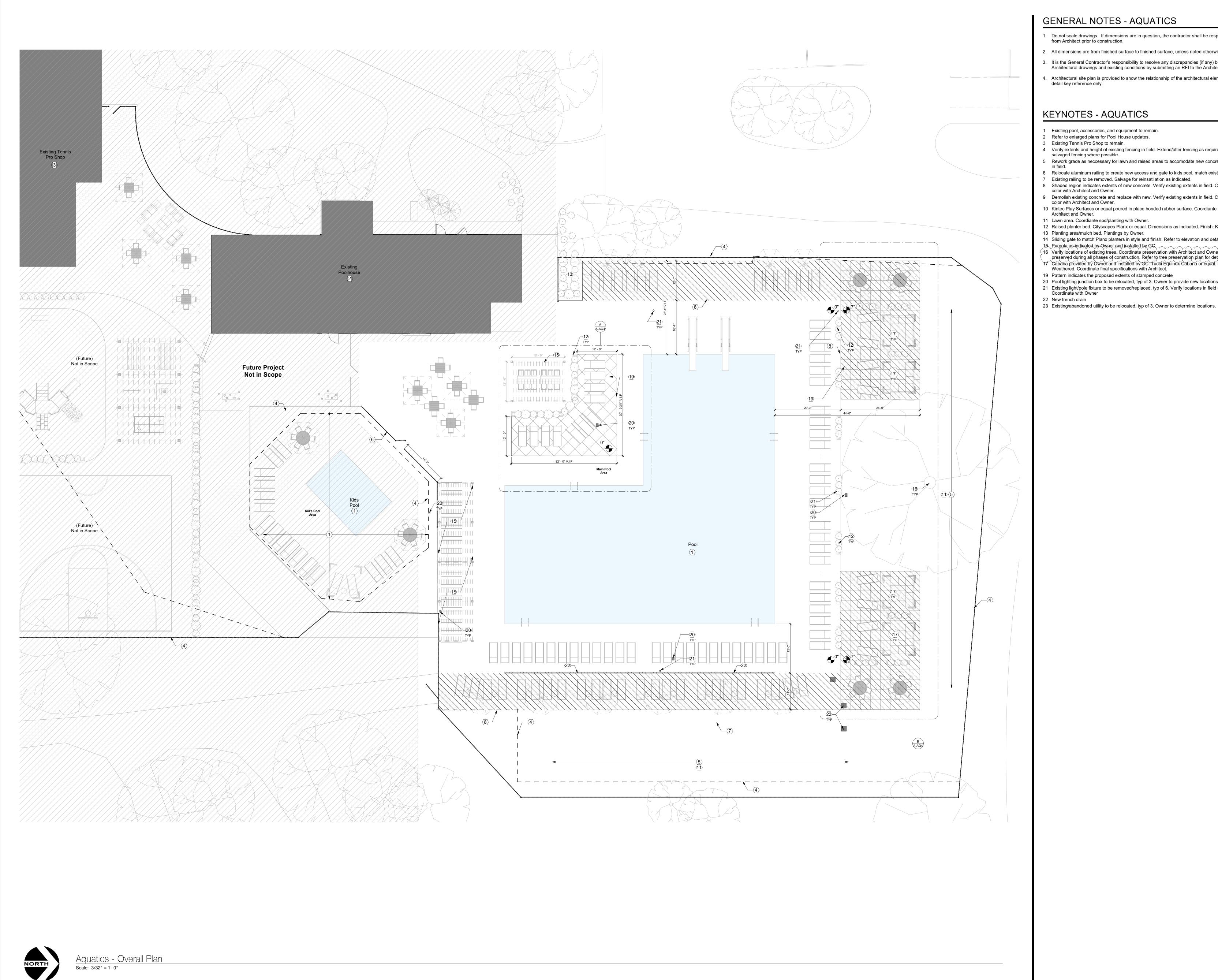


Description	Date
	Description

INITIAL ISSUE DATE

May 24, 2021 PROJECT NO. 0247.20

Aquatics Project Matrix



## **GENERAL NOTES - AQUATICS**

- 1. Do not scale drawings. If dimensions are in question, the contractor shall be responsible for seeking clarification from Architect prior to construction.
- 2. All dimensions are from finished surface to finished surface, unless noted otherwise.
- 3. It is the General Contractor's responsibility to resolve any discrepancies (if any) between work shown on the Architectural drawings and existing conditions by submitting an RFI to the Architect prior to submitting bids.
- 4. Architectural site plan is provided to show the relationship of the architectural elements and to provide plan and detail key reference only.

#### **KEYNOTES - AQUATICS**

- 1 Existing pool, accessories, and equipment to remain.
- 2 Refer to enlarged plans for Pool House updates. 3 Existing Tennis Pro Shop to remain.
- 4 Verify extents and height of existing fencing in field. Extend/alter fencing as required to match existing. Reinstall
- salvaged fencing where possible. 5 Rework grade as neccessary for lawn and raised areas to accomodate new concrete. Verify extents of earthwork
- 6 Relocate aluminum railing to create new access and gate to kids pool, match existing.
- Existing railing to be removed. Salvage for reinsatllation as indicated.
- 8 Shaded region indicates extents of new concrete. Verify existing extents in field. Coordinate final installation and color with Architect and Owner. 9 Demolish existing concrete and replace with new. Verify existing extents in field. Coordinate final installation and color with Architect and Owner.
- 10 Kintec Play Surfaces or equal poured in place bonded rubber surface. Coordiante final extents and colors with Architect and Owner.
- 11 Lawn area. Coordiante sod/planting with Owner.
- 12 Raised planter bed. Cityscapes Planx or equal. Dimensions as indicated. Finish: Kona.
- 13 Planting area/mulch bed. Plantings by Owner. 14 Sliding gate to match Planx planters in style and finish. Refer to elevation and detail.
- 15 Pergola as indicated by Owner and installed by GC.

  16 Verify locations of existing trees. Coordinate preservation with Architect and Owner. Protect trees to be preserved during all phases of construction. Refer to tree preservation plan for detailed information

  17 Cabana provided by Owner and installed by GC. Tucci Equinox Cabana or equal. Finish: Alumna-Teak Weathered. Coordinate final specifications with Architect.
- 19 Pattern indicates the proposed extents of stamped concrete
- 20 Pool lighting junction box to be relocated, typ of 3. Owner to provide new locations
- 21 Existing light/pole fixture to be removed/replaced, typ of 6. Verify locations in field and remove/replace. Coordinate with Owner



Country Club at Muirfield Village 8715 Muirfield Drive

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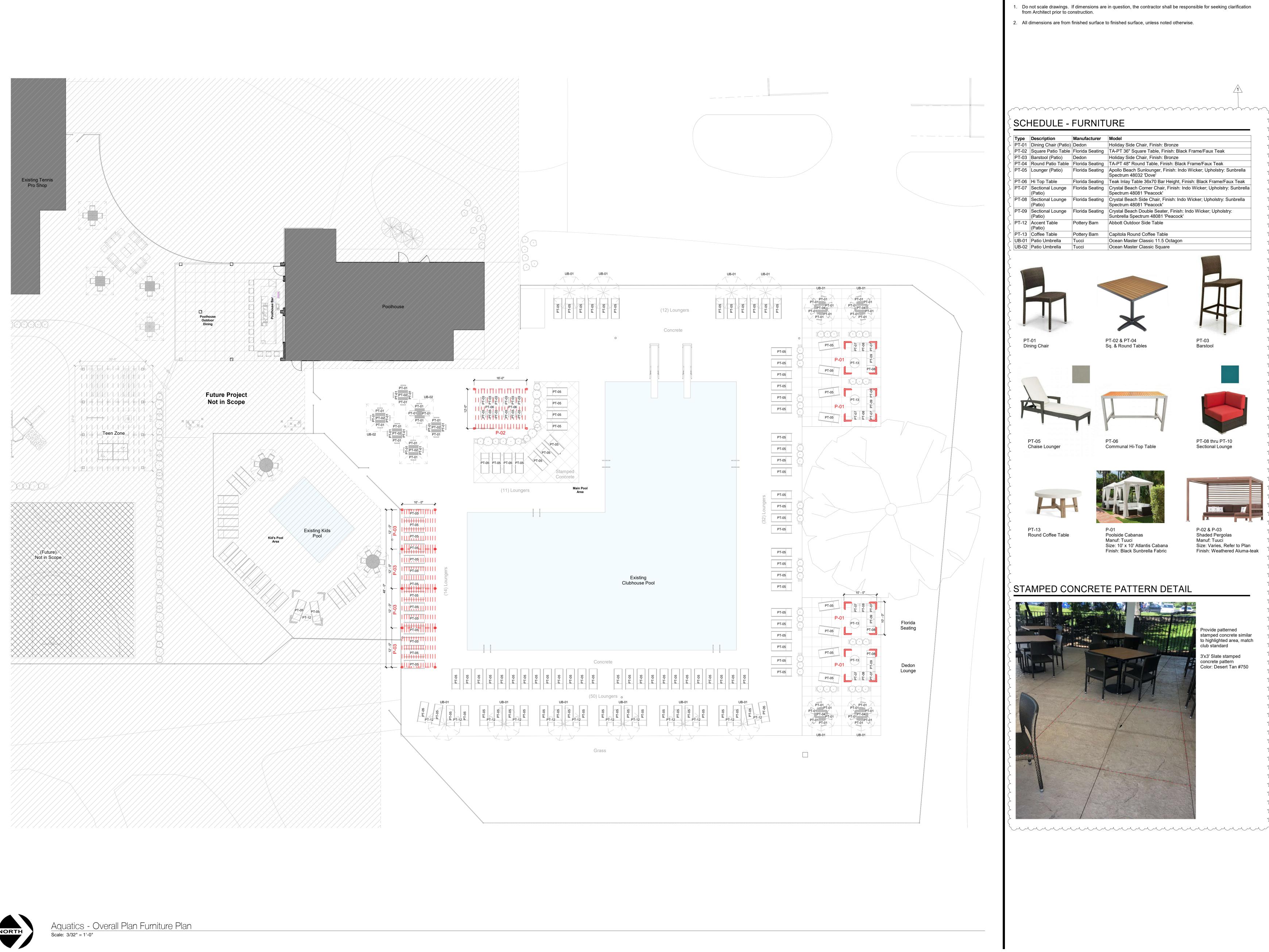
Zoning Review

INITIAL ISSUE DATE

June 18, 2021

0247.20

Aquatics -Overall Plan



#### **GENERAL NOTES - AQUATICS**

- Do not scale drawings. If dimensions are in question, the contractor shall be responsible for seeking clarification from Architect prior to construction.
- 2. All dimensions are from finished surface to finished surface, unless noted otherwise.



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PROJECT STATUS

**Zoning Review** 

Architect, License # 1616697 Expiration Date: December 31, 2021

GENERAL CONTRACTOR

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Design Collective Architecture 151 East Nationwide Blvd. Columbus, OH 43215 Tel: (614) 464-2880

**Design**Collective

#### SCHEDULE - FURNITURE

>	Туре	Description	Manufacturer	Model
· >-	PT-01	Dining Chair (Patio)	Dedon	Holiday Side Chair, Finish: Bronze
	PT-02	Square Patio Table	Florida Seating	TA-PT 36" Square Table, Finish: Black Frame/Faux Teak
	PT-03	Barstool (Patio)	Dedon	Holiday Side Chair, Finish: Bronze
-	PT-04	Round Patio Table	Florida Seating	TA-PT 48" Round Table, Finish: Black Frame/Faux Teak
>	PT-05	Lounger (Patio)	Florida Seating	Apollo Beach Sunlounger, Finish: Indo Wicker; Upholstry: Sunbrella Spectrum 48032 'Dove'
	PT-06	Hi Top Table	Florida Seating	Teak Inlay Table 36x70 Bar Height, Finish: Black Frame/Faux Teak
-	PT-07	Sectional Lounge (Patio)	Florida Seating	Crystal Beach Corner Chair, Finish: Indo Wicker; Upholstry: Sunbrella Spectrum 48081 'Peacock'
-	PT-08	Sectional Lounge (Patio)	Florida Seating	Crystal Beach Side Chair, Finish: Indo Wicker; Upholstry: Sunbrella Spectrum 48081 'Peacock'
-	PT-09	Sectional Lounge (Patio)	Florida Seating	Crystal Beach Double Seater, Finish: Indo Wicker; Upholstry: Sunbrella Spectrum 48081 'Peacock'
-	PT-12	Accent Table (Patio)	Pottery Barn	Abbott Outdoor Side Table
-	PT-13	Coffee Table	Pottery Barn	Capitola Round Coffee Table
-	UB-01	Patio Umbrella	Tucci	Ocean Master Classic 11.5 Octagon
	UB-02	Patio Umbrella	Tucci	Ocean Master Classic Square









PT-03 Barstool PT-02 & PT-04 Sq. & Round Tables









Communal Hi-Top Table





PT-13 Round Coffee Table

Chaise Lounger

Poolside Cabanas Manuf: Tuuci Size: 10' x 10' Atlantis Cabana Finish: Black Sunbrella Fabric

P-02 & P-03 Shaded Pergolas Manuf: Tuuci Size: Varies, Refer to Plan Finish: Weathered Aluma-teak

## STAMPED CONCRETE PATTERN DETAIL



Provide patterned stamped concrete similar to highlighted area, match club standard

3'x3' Slate stamped concrete pattern Color: Desert Tan #750

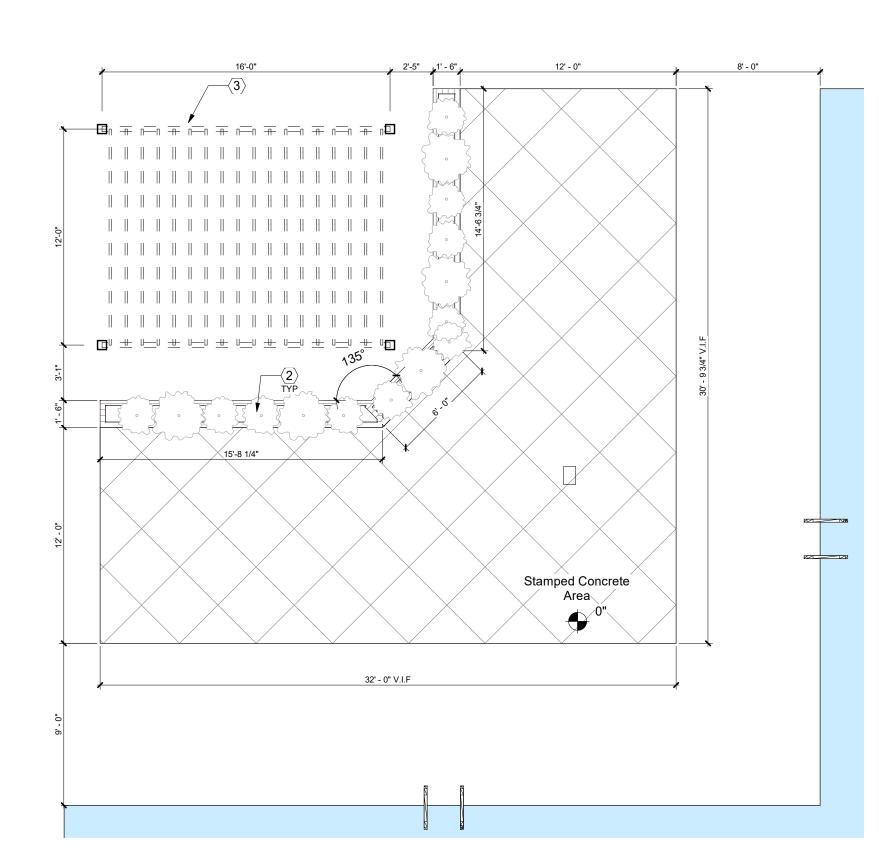


Review Comments

INITIAL ISSUE DATE June 18, 2021

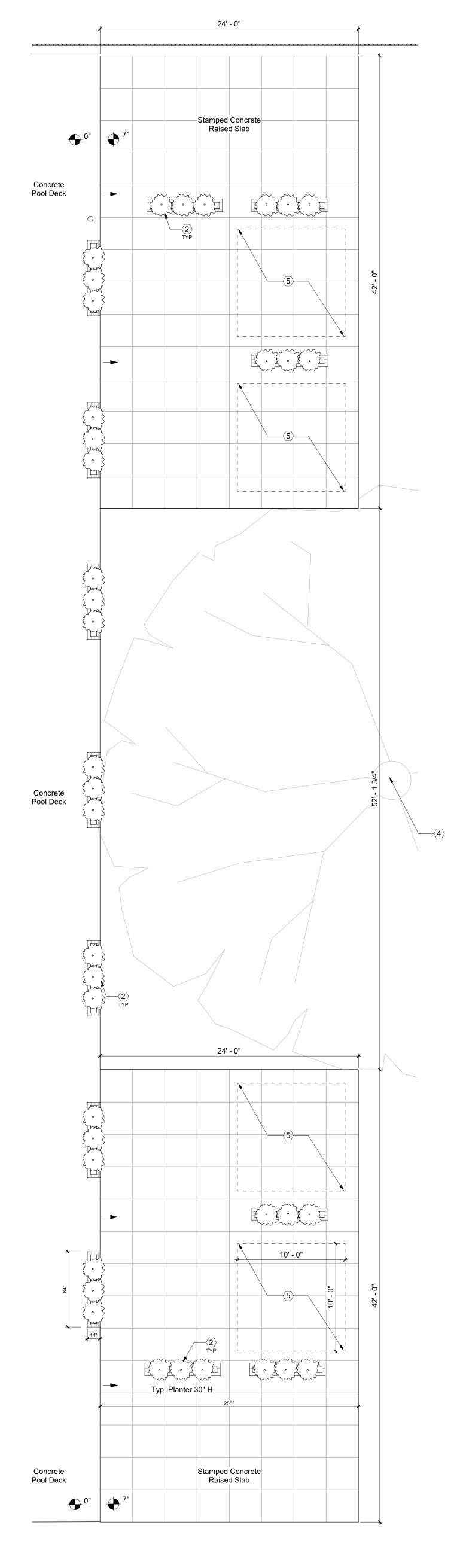
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Aquatics -Overall Furn. Plan



A Enlarged Plan - Raised Deck

Scale: 3/16" = 1'-0"



B Enlarged Plan - Poolside Cabanas

Scale: 3/16" = 1'-0"

## **GENERAL NOTES - AQUATICS**

- 1. Do not scale drawings. If dimensions are in question, the contractor shall be responsible for seeking clarification from Architect prior to construction.
- 2. All dimensions are from finished surface to finished surface, unless noted otherwise.

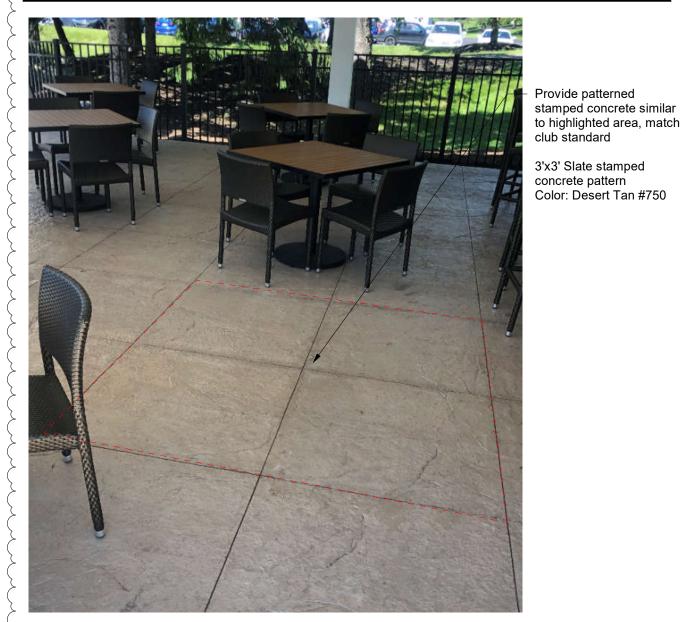
#### **KEYNOTES - ENLARGED PLANS**

- 1 Raised sythentic wood deck. Refer to details.
- 2 Raised planter bed. Cityscapes Planx or equal. Dimensions as indicated. Finish: Kona.
- 3 Pergola as indicated by Owner and installed by GC
  4 Verify locations of existing trees. Coordinate preservation with Architect and Owner. Protect trees to be preserved during all phases of construction. Refer to tree preservation plan prepared for detailed information
- 5 Cabana provided by Owner and installed by GC. Tucci Equinox Cabana or equal. Finish: Alumna-Teak
  Weathered. Coordinate final specifications with Architect.

7 Verify extents and height of existing fencing in field. Extend/alter fencing as required to match existing. Reinstall salvaged fencing where possible.

 $\overline{\phantom{a}}$ 

## STAMPED CONCRETE PATTERN DETAIL



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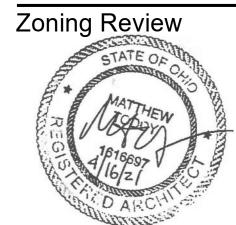
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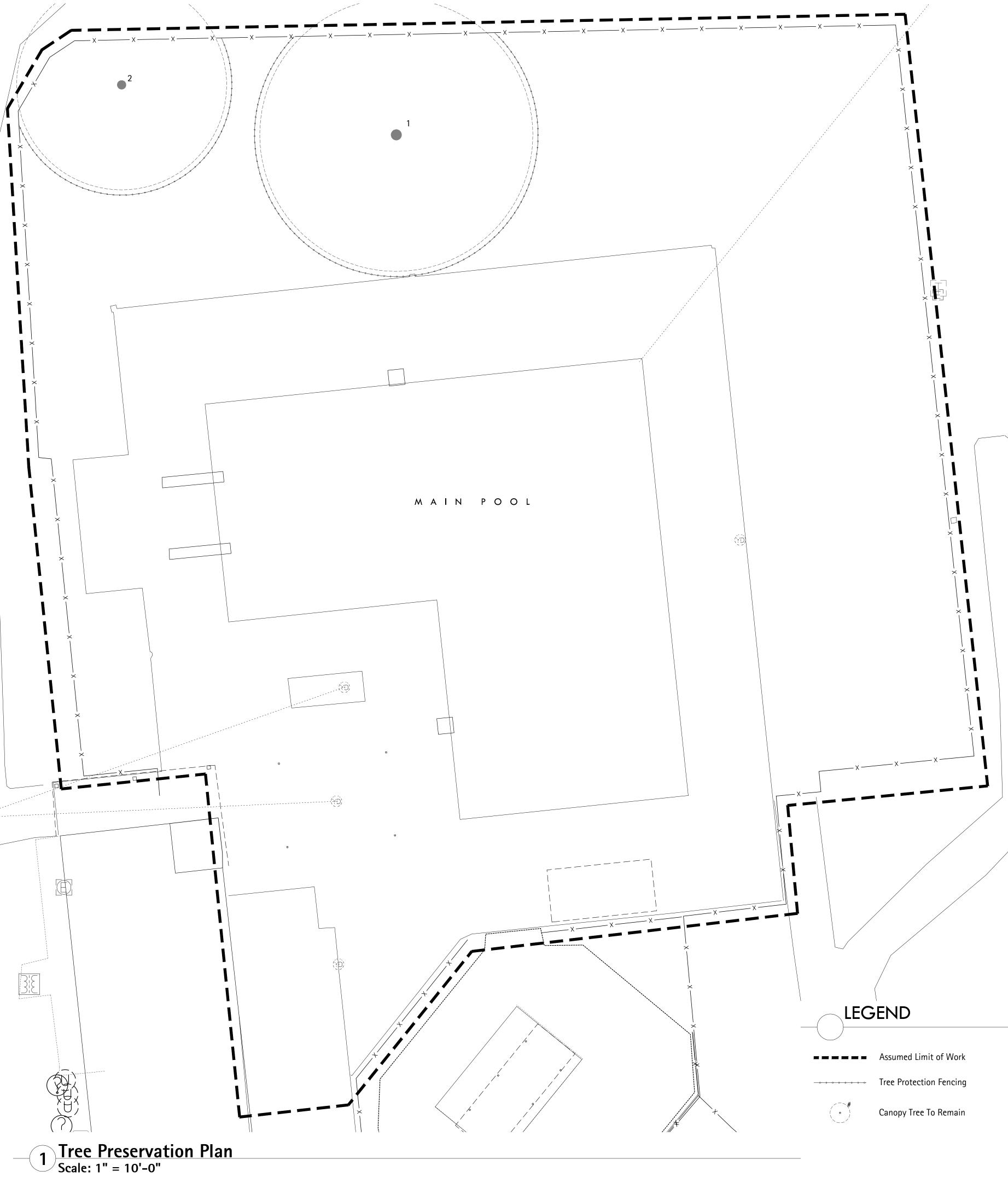
Architect, License # 1616697 Expiration Date: December 31, 2021



INITIAL ISSUE DATE

June 18, 2021 PROJECT NO. 0247.20

Aquatics -Enlarged Plans



#### TREE REPLACEMENT DATA

• Total Site Acreage: 0.68 Acre (29675 sf)

• Total Trees Destroyed:

0.00 ACIC (29075 31)

Replacement Trees Required:

uired: 0 Caliper Inches

(The total number of caliper inches of replacement trees for a site shall equal or exceed the combined diameter

of the protected tree(s) removed)

• Existing Trees to Remain: 44 Caliper Inches

• Proposed Replacement Trees: 0 Caliper Inches

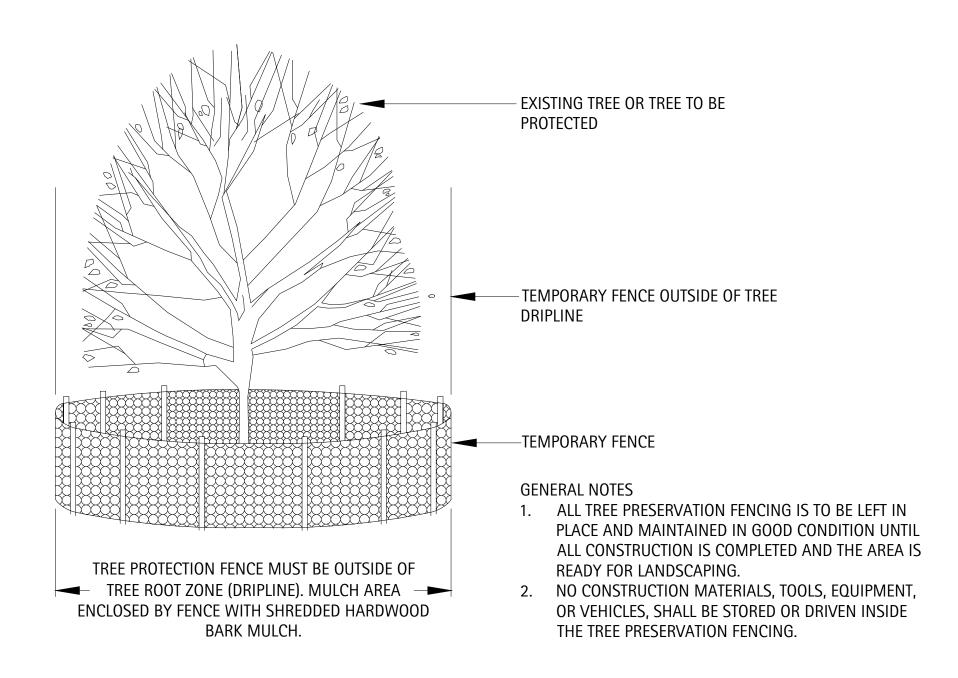
• Overall Total Trees Provided: 44 Caliper Inches

#### TREE INVENTORY

Tree Number	Size (caliper inches)	Species	Condition	Status	Replacement Size (caliper inches)
1	24	Honey Locust	Good	Protect	0
2	20	Honey Locust	Fair	Protect	0
		Trees to Remain	• •	•	44
	Total Required	d Replacement 1	rees (caliper ii	nches):	0
	Overall Site T	rees to be Prov	ided (caliper Inc	ches):	44

### TREE PRESERVATION NOTES

- 1. All curbs are to be hand formed if encroaching into the critical root zone areas of a tree to be preserved
- 2. Field verify final root pruning and tree protection fence locations with the Landscape Architect/Arborist prior to start of work.
- 3. Refer to tree inventory provided by the Arborist/Landscape Architect.
- 4. If applicable see additional tree preservation specifications prepared by arborist.
- 5. All final Grades to be determined by Final Site Engineering Plans.
- 6. Root prune impacted root zones within construction overdig limits as acceptable by City Forester/Arborist.
- 7. All trees to be removed must include complete removal of the tree stump.
- 8. All transplanted trees not identified in the landscape plans will be transplanted to an area on the premisis outside of the limits of the project. Final transplant locations to be coordinated with the City, Owner, and Landscape Architect.
- 9. See this Sheet for Tree Preservation Details.



# Axonometric – Typical Tree Preservation Fencing Installation Scale: 1" = 1'-0"



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June 16, 2021

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			REVISIONS
No	Date	Issue	
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			A

Tree Preservation
Plan and Details

SCALE IN FEET 1" = 10'-0" 0' 5' 10' 30'



L1.0
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SHEET NUMBER