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Project	5/2/2023	
Date	5/2/2023	
#	Revision Date	Description of Changes
1	6/26/2023	REVISED PER CITY OF OFALLON AND OFFALLON FIRE COMMENTS
2	7/17/2023	REVISED PER CITY OF OFALLON COMMENTS
3	7/17/2023	REVISED PER CITY OF OFALLON COMMENTS

Sheet No. **C-001**

Project No. 2202920
Drawn By P. HEITZ
Checked By M. FOGARTY

ISSUED FOR CONSTRUCTION

GENERAL NOTES

GENERAL SITE NOTES:

- AREA OF TRACT: ±8.67 ACRES
- PARCEL ID: 2-0057-5030-00-0030.5000000
- BASIS OF BEARINGS FOR THIS SURVEY WAS ADOPTED FROM THE MISSOURI STATE PLANE COORDINATE SYSTEM, NAD 1983, EAST ZONE.
- BENCHMARK: ELEVATION WAS ESTABLISHED USING THE MISSOURI DEPARTMENT OF TRANSPORTATION'S VRS, R1K SYSTEM, NAVD 88 DATUM.
- CURRENT ZONING: C-2 PUD
- BY GRAPHIC PLOTTING ONLY, THIS PROPERTY DOES NOT LIE WITHIN ANY SPECIAL FLOOD ZONE AREAS ACCORDING TO THE FLOOD INSURANCE RATE MAP NUMBER 29183C0240 G, PANEL 240 OF 525, ST. CHARLES COUNTY, MISSOURI AND INCORPORATED AREA DATED JANUARY 20, 2016 - THE PROPERTY IS IN ZONE X (UNSHADED), AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.
- COMMON GROUND IMPROVEMENTS SHALL BE MAINTAINED BY THE PROPOSED DEVELOPER. THE INTENT FOR THE COMMON GROUND AREAS ARE TO BE LANDSCAPED PER CITY REQUIREMENTS. ALL GREEN SPACE AND STORMWATER QUALITY IMPROVEMENTS SHALL BE MAINTAINED BY THE DEVELOPER.
- STORMWATER REQUIREMENTS FOR DETENTION AND WATER QUALITY SHALL BE PROVIDED FOR IN A REGIONAL DETENTION BASIN.
- ALL PUBLIC IMPROVEMENTS SHALL BE REQUIRED TO MEET ADAAG 2010 AND CITY OF OFALLON DESIGN STANDARDS.
- DIMENSIONS SHOWN FOR PROPOSED IMPROVEMENTS ARE FROM FACE OF CURB OR FACE OF BUILDING UNLESS SPECIFICALLY NOTED.
- SIDEWALKS ALONG THE ACCESSIBLE ROUTE SHALL NOT HAVE A SLOPE EXCEEDING 1 V:20H. SLOPES GREATER THAN 1 V:20H MUST BE DESIGNED AS A RAMP UNLESS PARALLEL WITH THE PROPOSED ROAD GRADE OR THE SLOPE IS ASSOCIATED WITH A CURB RAMP.
- SIDEWALKS, CURB RAMPS, RAMPS AND ACCESSIBLE PARKING SPACES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT APPROVED "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES" (ADAAG) ALONG WITH THE REQUIRED GRADES, CONSTRUCTION MATERIALS, SPECIFICATIONS AND SIGNAGE.
- NO GRADE SHALL EXCEED 3:1 SLOPE.
- STORMWATER SHALL BE DISCHARGED AT ADEQUATE NATURAL DISCHARGE POINT. SINKHOLES ARE NOT ADEQUATE NATURAL DISCHARGE POINTS.
- ALL LANDSCAPING SHALL BE PROVIDED AS REQUIRED BY THE CITY OF OFALLON.
- COMMON GROUND AREAS SHALL ALSO BE GENERAL UTILITY AND DRAINAGE EASEMENTS FOR THE USE BY THE UTILITIES SERVED IN THE CITY OF OFALLON.
- ALL PARKING LOT IMPROVEMENT AREAS SHALL USE VERTICAL CONCRETE CURB AS REQUIRED PER CITY STANDARDS AND SPECS.
- G.C. SHALL REFERENCE GEOTECHNICAL REPORT BY SCI DATED 6/16/2023.

UTILITY PLAN NOTES:

- ALL FILL MATERIAL IS TO BE IN PLACE AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
 - CONTRACTOR SHALL NOTIFY THE UTILITY INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE.
 - CONTRACTOR SHALL MAINTAIN A MINIMUM OF 3'-6" COVER ON ALL WATERLINES AND 3'-6" ON ALL SANITARY SEWER LINES.
 - CONTRACTOR SHALL COORDINATE WITH BUILDING ARCHITECT AND TELEPHONE COMPANY FOR EXACT LOCATIONS OF TELEPHONE ENTRY TO THE BUILDING. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CONDUITS, PULL WIRES, TRENCHING, BACKFILL, ETC. REQUIRED BY TELEPHONE COMPANY.
 - CONNECTION FROM THE METER TO SITE UTILITY LINES SHALL BE MADE BY BUILDING CONTRACTOR.
 - REFER TO INTERIOR MECHANICAL, ELECTRIC AND PLUMBING DRAWINGS FOR TIE-IN OF ALL UTILITIES.
 - THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
 - ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICE.
 - CONTRACTOR SHALL COORDINATE WITH BUILDING ARCHITECT AND GAS COMPANY FOR EXACT LOCATION OF GAS ENTRY. G.C. TO INCLUDE IN BID FOR CONTRACTOR ANY GAS PIPING, CONDUITS, TRENCHING, BACKFILLING, ETC. REQUIRED BY GAS COMPANY.
 - CONTRACTOR SHALL COORDINATE WITH BUILDING ARCHITECT AND ELECTRIC COMPANY FOR EXACT LOCATION OF ELECTRIC ENTRY. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CONDUITS, TRENCHING, BACKFILLING, CABLES, ETC. REQUIRED BY ELECTRIC COMPANY.
 - REFERENCE MEP PLANS FOR GAS SERVICE SIZING.
 - ALL UTILITY SEWER TRENCH BACKFILL SHALL HAVE GRANULAR BACKFILL AND BE MECHANICALLY COMPACTED.
 - THE CONTRACTOR SHALL VERIFY THE LOCATION, CONDITION AND ELEVATION OF ALL PROPOSED SEWER CONNECTION POINTS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES THAT WOULD INTERFERE WITH THE PROPOSED SEWER DESIGN SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
 - ALL PERMIT FEES AND COSTS ASSOCIATED WITH BRINGING UTILITY, SEWER AND WATER SERVICES TO THE BUILDING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL FEES AND COSTS SHALL BE INCLUDED IN THE CONTRACTORS BID.
 - G.C. IS TO PROVIDE TRENCH, WIRE, AND CONDUIT FOR TELEPHONE AND ELECTRICAL SERVICES, BACKFILL AND GRADE SMOOTH FOR A COMPLETE TELEPHONE AND ELECTRIC INSTALLATION.
 - G.C. TO PROVIDE OPENING FOR CITY OF OFALLON TO MAKE TAP. G.C. IS ALSO TO PROVIDE TRENCH, BACKFILL AND GRADE SMOOTH FOR A COMPLETE WATER LINE INSTALLATION.
 - ALL LANDSCAPE ISLANDS AND GREEN SPACE IN THE ADJOINING RIGHT-OF-WAY SHALL BE IRRIGATED.
 - EXISTING SANITARY SEWER SERVICE SHALL NOT BE INTERRUPTED.
 - IRRIGATION PLAN SHALL BE DESIGN/BUILD AND INCLUDED WITHIN THE GENERAL CONTRACTOR'S BID. ALL REQUIRED PIPING, FITTINGS AND CONDUIT UNDERNEATH THE PAVEMENT SHALL BE COORDINATED BY THE GENERAL CONTRACTOR AND INSTALLED PRIOR TO CURB AND PAVEMENT INSTALLATION.
 - THE CONTRACTOR SHALL INCLUDE THEIR BID COORDINATION WITH POWER COMPANY AND ANY ESTIMATES PROVIDED BY THE POWER COMPANY. THE GENERAL CONTRACTOR SHALL INCLUDE IN THEIR BID ANY POTENTIAL OR ACTUAL RELOCATION AND/OR REMOVAL OF ANY ASSOCIATED ELECTRIC FEES, PAYMENTS AND/OR PAYMENTS TO THE ELECTRIC COMPANY FOR SERVICES RENDERED.
 - THE CONTRACTOR SHALL INCLUDE ALL TELEPHONE INSTALLATION COSTS BY THE LOCAL PHONE COMPANY IN HIS/HER BID.
 - ANY INFORMATION ON THESE PLANS THAT MAY REFERENCE A DIFFERENT MANUFACTURER BASED ON THE NOMENCLATURE OF THE CALLOUT IN THE PLANS, PROFILES OR DETAILS SHALL BE IDENTIFIED BY THE CONTRACTOR PRIOR TO SUBMITTING THEIR BID PACKAGE. IF THE CONTRACTOR CANNOT GET AN ANSWER RELATING TO THE MANUFACTURER AND/OR TYPE OF A PRODUCT OR MATERIAL THE CONTRACTOR SHALL REFER TO THE MORE EXPENSIVE PRODUCT TO ENSURE ALL BIDS ARE REFERENCING THE SAME PRODUCT.
 - DUE TO VARYING STRUCTURE TYPES FOR UTILITIES, THE CONTRACTOR SHALL VERIFY CURB AND ELEVATION LOCATIONS ADJOINING THE UTILITY TO ENSURE THAT THE LOCATION, DEPTH AND ELEVATION MATCH ACCORDINGLY. GRATE INLETS WITH SIDE INTAKES HAVE A CRITICAL LOCATION THAT MUST BE LOCATED WITHIN THE CURB. PREMIER DESIGN GROUP WILL NOT BE RESPONSIBLE FOR STRUCTURE PLACEMENT DUE TO CHANGES FROM THE CONSTRUCTION DOCUMENTS.
 - NAMING CONVENTION OF STORM SEWER STRUCTURES IS AS FOLLOWS:
- | 24.1. | NAME | ABBREVIATION | DESCRIPTION |
|--------|------------------------------|--------------|---|
| 24.2. | AREA INLET | AI | OPEN ON FOUR SIDES |
| 24.3. | GRATE INLET WITH SIDE INTAKE | CSI | MSD 2 GRATE INLET WITH SIDE INTAKE OR ADS GRATE WITH INTAKE |
| 24.4. | GRATE INLET | GI | MSD 2 GRATE INLET |
| 24.5. | GRATE INLET - PEDESTRIAN | PGI | ADS PEDESTRIAN GRATE INLET |
| 24.6. | DOUBLE GRATE INLET | 4GI | MSD DOUBLE GRATE INLET |
| 24.7. | MANHOLE | MH | MSD STORM SEWER MANHOLE OR ADS NYLOPLAST MANHOLE |
| 24.8. | CURB INLET | CI | MSD CURB INLET |
| 24.9. | DOUBLE CURB INLET | ZCI | MSD DOUBLE CURB INLET |
| 24.10. | CLEANOUT | CO | CLEANOUT WITH CAST IRON TOP |
| 24.11. | ADS DOME | DME | ADS NYLOPLAST STRUCTURE AND 30" DOME |
| 24.12. | YARD DRAIN | YD | ADS OR HDS 12" YARD DRAIN WITH DOME |
| 24.13. | TRENCH DRAIN | TD | REFER TO DETAIL FOR TYPE AND SPECIFICATIONS. |

EARTHWORK QUANTITY NOTES:

- THE CUT AND FILL QUANTITIES SHOWN ON THIS PLAN ARE FOR PERMITTING PURPOSES ONLY. THE GRADING CONTRACTOR IS CAUTIONED THAT THE QUANTITIES SHOWN ARE THE ENGINEER'S ESTIMATE FOR PERMITTING PURPOSES ONLY. THE GRADING CONTRACTOR SHALL COMPLETE THEIR OWN ESTIMATE WHEN BIDDING. NO ADDITIONAL COSTS WILL BE ALLOWED FOR GRADING WITHOUT JUSTIFICATION DUE TO PLAN CHANGES OR REVISIONS. EARTHWORK BALANCE IS BASED ON FINISH GRADE AND DOES NOT ACCOUNT FOR SUBGRADE.
- TRUCKS SHALL NOT EXCEED POSTED WEIGHT LIMITS FOR CITY, COUNTY AND MODOT BRIDGES DURING HAUL OPERATIONS.
- EARTHWORK CUT/FILL QUANTITIES
 - CUT - 1.10 FACTOR = 24.60 CU. YDS.
 - FILL - 1.10 FACTOR = 80,500 CU. YDS.
 - TOTAL IMPORT FOR THIS PROJECT = 55,899 CU. YDS.

GRADING PLAN NOTES:

- THE CONTRACTOR SHALL RESTORE OFFSITE CONSTRUCTION AREAS TO AN EQUAL OR BETTER CONDITION THAN EXISTED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - ALL GRADES SHALL BE WITHIN 0.1 FEET MORE OR LESS OF THOSE SHOWN ON THE GRADING PLAN.
 - NO SLOPE SHALL BE GREATER THAN 3:1 AND SHALL BE EITHER SODDED OR SEEDED AND MULCHED UNLESS OTHERWISE NOTED OR DETAILED.
 - THE CONTRACTOR SHALL FIELD INVESTIGATE THE ENTIRE SITE PRIOR TO HIS BID SUBMITTAL NOTING THE EXISTING VEGETATION AND TREES AND INCLUDING THE REMOVAL AND DISPOSAL OF SAME IN HIS BID.
 - NO AREA SHALL BE CLEARED WITHOUT PERMISSION OF THE OWNER.
 - EROSION AND SILTATION CONTROL WILL BE PROVIDED AS REQUIRED TO PREVENT RUN-OFF. REFER TO THE EROSION CONTROL PLAN AND DETAILS.
 - ALL TRASH, DEBRIS, ORGANIC MATERIAL, REFUSE, FROZEN EARTH, ETC., SHALL BE REMOVED FROM FILL AREAS PRIOR TO THE PLACEMENT OF CONTROLLED FILL. ALL FILLS AND BACKFILLS SHALL BE MADE OF SELECTED EARTH MATERIALS, FREE FROM BROKEN MASONRY, ROCK, FROZEN EARTH, RUBBISH, ORGANIC MATERIAL AND DEBRIS.
 - THE CONTRACTOR SHALL PROVIDE EROSION CONTROL PER THE EROSION AND SEDIMENT CONTROL PLAN AND MAY BE REQUIRED TO PROVIDE ADDITIONAL MEASURES AS REQUESTED BY CITY OF OFALLON. SHOULD EROSION CONTROL PLAN PROVE TO BE INSUFFICIENT.
 - CARE SHALL BE EXERCISED IN COMPACTION OF BACKFILL MATERIALS OVER THE TOP OF STRUCTURES OR PIPES IN ORDER TO PREVENT DAMAGE TO THE WATERPROOFING MEMBRANES, JOINTS, SEALS AND/OR THE PIPES AND STRUCTURES THEMSELVES. COMPACTION AND PLACING OF BACKFILL AND FILL MATERIALS SHALL BE PERFORMED UNDER THE CONTINUOUS SUPERVISION OF AN APPROVED TESTING LABORATORY. FILL SHALL NOT BE PLACED ON FROZEN GROUND, NOR SHALL FILLING OPERATIONS CONTINUE WHEN THE TEMPERATURE IS SUCH AS TO PERMIT THE LAYER UNDER PLACEMENT TO FREEZE.
 - ALL CITY, COUNTY, AND STATE ROADS SHALL BE KEPT FREE OF DIRT DAILY.
 - FINAL GRADES AT THE PROJECT BOUNDARY SHALL MATCH EXISTING ELEVATIONS UNLESS OTHERWISE SHOWN.
 - THE DEVELOPER IS REQUIRED TO PROVIDE ADEQUATE STORM WATER SYSTEMS IN ACCORDANCE WITH OFALLON STANDARDS AND SPECIFICATIONS.
 - ALL GRADING AND DRAINAGE TO BE IN CONFORMANCE WITH THE CITY OF OFALLON STANDARDS.
 - INTERIM STORM WATER DRAINAGE CONTROL IN THE FORM OF SILTATION CONTROL MEASURES ARE REQUIRED.
 - G.C. TO BE AWARE THAT A LAND DISTURBANCE PERMIT WILL BE REQUIRED. SITE PLAN/PLAT APPROVAL IS NOT TO BE CONSTRUED AS APPROVAL OF A LAND DISTURBANCE PERMIT.
 - ALL WORK SHALL BEIN COMPLIANCE WITH THE PROJECT GEOTECHNICAL SERVICES REPORT FOR THIS PROJECT.
 - ANY DISTURBED SIDEWALK AREAS SHALL BE REPLACED WITH FULL SLABS.
 - CONTRACTOR SHALL CONFIRM ALL EXISTING SLOPES FOR ACCESSIBLE ROUTES AS WELL AS THE ACCESSIBLE PARKING STALLS AND ACCESSIBLE AISLES WITH A SLOPE METER TO CONFIRM MAXIMUM SLOPES ARE NOT EXCEEDED.
 - CONTRACTOR IS REQUIRED TO PROVIDE AS-BUILT SPOT ELEVATIONS ALONG THE ACCESSIBLE ROUTES SHOWN ON THIS PLAN EVERY 10 FEET IN ORDER TO CONFIRM MAXIMUM (2%) CROSS-SLOPE AND MAXIMUM (5%) SLOPES IN THE DIRECTION OF TRAVEL. IN ADDITION, SPOT ELEVATIONS ARE REQUIRED ON ALL CORNERS AND MIDPOINTS OF ACCESSIBLE PARKING STALLS AND ACCESSIBLE AISLES TO CONFIRM MAXIMUM 2% SLOPES ARE NOT EXCEEDED IN ALL DIRECTIONS. THIS INFORMATION SHALL BE PROVIDED, A MINIMUM OF 2 WEEKS BEFORE STORE TURNOVER.
 - THE GENERAL CONTRACTOR & CONCRETE CONTRACTOR SHALL FIELD VERIFY ADA SLOPES DURING CONCRETE POUR. A 2" SMART LEVEL WITH AN ACCURACY TO .029 PERCENT SHALL BE USED FOR VERIFYING SLOPES. ANY SLOPES IN THE ADA AREAS THAT EXCEED A 2% CROSS SLOPE ALONG THE BUILDING, ADA STALLS AND/OR SIDEWALK, 5% RUNNING SLOPE FOR SIDEWALKS AWAY FROM THE PROPOSED BUILDING, AND EXCEED 8.3% ON RAMPS SHALL BE REMOVED AND REPLACED AT THE CONCRETE CONTRACTOR'S EXPENSE. THE SURVEYOR FOR STAKING CAN PROVIDE A REFERENCE FOR ELEVATION HOWEVER CONFIRMATION IS REQUIRED BY SLOPE LEVEL DURING CONSTRUCTION.
 - ALL LANDSCAPE ISLANDS AND GREEN SPACE IN THE RIGHT-OF-WAY SHALL BE IRRIGATED.
 - EXISTING SANITARY SEWER SERVICE SHALL NOT BE INTERRUPTED.
 - IRRIGATION PLAN WILL BE BY OTHERS. ALL REQUIRED CONDUIT UNDERNEATH THE PAVEMENT SHALL BE COORDINATED BY THE GENERAL CONTRACTOR AND INSTALLED PRIOR TO CURB AND PAVEMENT INSTALLATION.
 - CONTRACTOR SHALL CONFIRM ALL EXISTING SLOPES FOR ACCESSIBLE ROUTES AS WELL AS THE ACCESSIBLE PARKING STALLS AND ACCESSIBLE AISLES WITH A SLOPE METER TO CONFIRM MAXIMUM SLOPES ARE NOT EXCEEDED.
- SPOT ELEVATION REFERENCE:**
ALL ELEVATIONS SHOWN ON THE GRADING PLAN ARE TO TOP OF PAVEMENT OR FINISHED GROUND UNLESS NOTED OTHERWISE. ELEVATIONS TO POINTS OTHER THAN THE TOP OF PAVEMENT ARE NOTED AS FOLLOWS:
TF=TOP OF PAVEMENT
TC=TOP OF CURB
TW=TOP OF WALL
BW=FINISHED GROUND AT FACE OF WALL
GRND=FINISHED GROUND IN AREAS OUTSIDE OF PAVEMENT