





















CITY NOTES:



- NO SLOPES SHALL EXCEED 3 (HORIZONTAL) : 1 (VERTICAL).
- ALL FILL PLACED UNDER PROPOSED STORM AND SANITARY SERVICES, PROPOSED ROADS AND PAVED AREAS SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED ASHTO T-180 COMPACTION TEST OR 95% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST ASHTO T-99. ALL FILL PLACED IN PROPOSED ROADS SHALL BE COMPACTED FROM BOTTOM OF THE FILL UP. ALL TESTS SHALL BE VERIFIED BY A SOILS ENGINEER CONCURRENT WITH GRADING AND BACKFILL OPERATIONS.
- DEVELOPER MUST SUPPLY CITY CONSTRUCTION INSPECTORS WITH AN ENGINEER'S SOIL REPORTS PRIOR TO AND DURING SITE SOIL TESTING.
- 4. NO GRADED AREAS ARE TO REMAIN BARE FOR OVER 14 DAYS WITHOUT BEING SEEDED AND MULCHED.































GRADING PLAN LEGEND

UTILITIES

- | | |
|---|-----------------------------|
|  | COMMUNICATIONS JUNCTION BOX |
|  | COMMUNICATIONS MANHOLE |
|  | COMMUNICATIONS PEDESTAL |
|  | COMMUNICATIONS RISER |
|  | TRAFFIC SIGNAL POLE |
|  | TRAFFIC SIGNAL |
|  | STORM CLEANOUT |
|  | BEEHIVE INLET |
|  | CURB INLET |
|  | FLOOR DRAIN |
|  | ROUND INLET |
|  | SQUARE INLET |
|  | STORM MANHOLE |
|  | DOWN SPOUT |
|  | SANITARY SEWER CLEANOUT |
|  | LIFT STATION |
|  | SANITARY SEWER MANHOLE |
|  | SANITARY STUB MARKER |
|  | SEPTIC TANK |
|  | DISTRIBUTION BOX |

OTHER

-  FLAG POLE
-  SIGN
-  POST
-  GATE POST
-  BOLLARD
-  PARKING METER
-  PARKING WHEEL STOP
-  ACCESSIBLE
-  CURB & GUTTER ELEVATION
-  PAVEMENT SPOT ELEVATION
-  GROUND SPOT ELEVATION
-  EXISTING SPOT ELEVATION
-  EMERGENCY FLOOD ROUTE
-  FLOW DIRECTION AND SLOPE
-  CISTERN
-  DRINKING FOUNTAIN
-  FIRE DEPT HOOKUP
-  FIRE HYDRANT

-  POST INDICATOR VALVE
-  CHILLED WATER MANHOLE
-  WATER MANHOLE
-  SPRINKLER CONTROL BOX
-  SPRINKLER CONTROL VALVE
-  SPRINKLER
-  SPIGOT
-  WELL HEAD
-  WATER METER
-  WATER VALVE
-  GAS METER
-  GAS VALVE
-  ELECTRIC MANHOLE
-  ELECTRIC OUTLET
-  ELECTRIC METER
-  ELECTRICAL RISER
-  TRANSFORMER
-  GUY ANCHOR
-  ELECTRIC JUNCTION BOX
-  GENERATOR
-  UTILITY POLE
-  UTILITY POLE W/ TRANSFORMER
-  MONITORING WELL
-  LIQUID PROPANE GAS TANK
-  ORNAMENTAL LIGHT
-  STREET LIGHT
-  PARKING LOT LIGHT (1 HEAD)
-  PARKING LOT LIGHT (2 HEAD)
-  PARKING LOT LIGHT (3 HEAD)
-  PARKING LOT LIGHT (4 HEAD)

ABBREVIATIONS

- | | |
|------|--------------------------------|
| ROW | RIGHT OF WAY |
| ESMT | EASEMENT |
| D&UE | DRAINAGE AND UTILITY EASEMENT |
| DFF | FINISH FLOOR ELEVATION |
| TC | TOP OF CURB |
| GUT | GUTTER |
| CMC | CORRUGATED METAL PIPE |
| RCP | REINFORCED CONCRETE PIPE |
| PVC | POLYVINYL CHLORIDE PIPE |
| VCP | VITRIFIED CLAY PIPE |
| HDPE | HIGH DENSITY POLYETHYLENE PIPE |
| DP | DUCTILE IRON PIPE |
| SD | SUB SURFACE DRAIN PIPE |
| STM | STORM |
| STR | SANITARY |
| STR | STRUCTURE |
| CO | CLEANOUT |

GENERAL NOTES

THE SITE DOES NOT LIE IN A SPECIAL FLOOD HAZARD AREA AS ESTABLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY - NATIONAL FLOOD INSURANCE PROGRAM, WHEN PLOTTED BY SCALE ON FLOOD INSURANCE RATE MAP #29183C0410G, DATED 01/20/2016.

EXISTING AREAS

PERVIOUS = $2.84 \pm AC$.
IMPERVIOUS = $00.51 \pm AC$

PROPOSED AREAS

PERVIOUS = $0.60 \pm$ AC.
IMPERVIOUS = $2.75 \pm$ AC.

BENCHMARK INFORMATION

PROJECT BM




NGS CORS STATION "MOOF" ELEVATION = 496.94 (NAVD 88) OBSERVED
NAVD88 ELEVATIONS WERE DERIVED FROM GPS OBSERVATIONS
USING THE MISSOURI DEPARTMENT OF TRANSPORTATION VRS
NETWORK FROM BASE STATION "MOOF" USING TRIMBLE REAL-TIME
KINEMATIC GPS HARDWARE TAKEN ON FEBRUARY 12, 2024.

SITE BM

ELEVATION = 576.76' (NAVD 88)

"CROSS IN CONCRETE" FOUND IN THE CENTER OF RUSH WAY, APPROXIMATELY 96 FEET NORTHEAST OF ITS INTERSECTION WITH THE CENTERLINE OF MIDFIELD CIRCLE; 34 FEET NORTH OF A STORM MANHOLE, 56 FEET NORTHWEST OF A CURB INLET AND 58 FEET SOUTHWEST OF ANOTHER CURB INLET. LOCATION SHOWN HEREON.

PAVEMENT

- | | |
|---|-----------------------|
|  | STANDARD DUTY ASPHALT |
|  | HEAVY DUTY ASPHALT |
|  | CONCRETE PAVEMENT |

LINE TYPES

- | | |
|--|----------------------------|
| | RIGHT OF WAY LINE |
| | FENCE |
| | GUARD RAIL |
| | BOUNDARY LINE |
| | FLOW LINE |
| | INDEX CONTOUR |
| | INTERMEDIATE CONTOUR |
| | UNDERGROUND GAS |
| | UNDERGROUND WATER |
| | AERIAL ELECTRIC |
| | UNDERGROUND ELECTRIC |
| | UNDERGROUND COMMUNICATIONS |
| | AERIAL COMMUNICATIONS |
| | UNDERGROUND FIBER OPTIC |
| | AERIAL FIBER OPTIC CABLE |
| | OVERHEAD UTILITY |
| | FORCE MAIN |
| | SANITARY SEWER LATERAL |
| | SANITARY SEWER MAIN |
| | ROOF DRAIN |
| | SUB SURFACE DRAIN |
| | STORM SEWER MAIN |
| | GRADE BREAK LINE |



Know what's below.
Call before you dig

Within Missouri Call
811 or 800-344-7483

PER MISSOURI STATE LAW ADVANCE NOTICE: 2 WORKING DAYS (MISSOURI REVISED STATUTES, CHAPTER 319, GENERAL SAFETY REQUIREMENTS - SECTIONS 319.010 THROUGH 319.050 SHALL BE KNOWN AS THE "UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT")

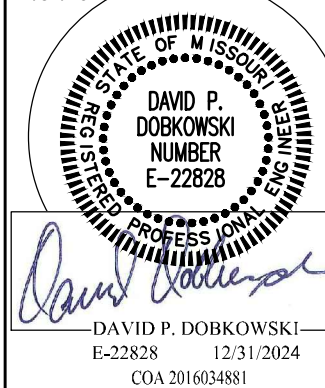
10505 N. College Avenue
Indianapolis, Indiana 46280
weihe.net

WEIHE
ENGINEERS

Land and Surveying | Civil Engineering
Landscape Architecture

[illegible]

12/31/2024



PREPARED FOR:
HOTEL - CALEDONIA
LOT 4 AND 5, CALEDONIA CENTER, O'FALLON, MO
63368
GRADING DETAILS

SHEET NO.
C301

PROJECT NO.
W23.0784