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GENERAL NOTES

GENERAL NOTES

- EXISTING TOPOGRAPHIC CONDITIONS, CONTOURS, AND ELEVATIONS ARE BASED UPON A SURVEY PERFORMED BY GPS JANUARY OF 2015. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER IN WRITING IF EXISTING CONDITIONS DIFFER FROM THAT SHOWN ON THE PLANS, AND TO WHAT EXTENT THE CONSTRUCTION IS AFFECTED.
- DO NOT SCALE DRAWINGS. USE DIMENSIONS SHOWN. ANY DISCREPANCY SHALL BE REPORTED IMMEDIATELY TO THE CONSTRUCTION MANAGER.
- ALL REFERENCES TO THE CONSTRUCTION MANAGER SHALL MEAN REPRESENTATIVE OF WEBSTER UNIVERSITY.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS TO ACCOMPLISH THIS WORK. THE COST OF ALL PERMITS SHALL BE INCLUDED IN THE CONTRACT BID AMOUNT.
- SITE DIMENSIONS ARE TO FACE OF CURB, PROPERTY LINE OR FACE OF BUILDING UNLESS OTHERWISE NOTED. ALL DIMENSIONS AND RADII TO OR FROM CURB LINES ARE TO FACE OF CURB.
- CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SURVEY OR PROPERTY MARKERS AND MONUMENTS. ANY MARKERS OR MONUMENTS THAT ARE REMOVED OR DISTURBED BY THE CONTRACTOR'S ACTIONS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE BY A REGISTERED LAND SURVEYOR IN THE STATE OF MISSOURI.
- DO NOT DISTURB ANY UTILITIES UNLESS NOTED OTHERWISE.
- BURNING ON-SITE WILL NOT BE PERMITTED.
- CONSTRUCTION SIGNS, LIGHTS, AND BARRICADES SHALL BE INSTALLED AND MAINTAINED AT LOCATIONS NECESSARY TO MAINTAIN A SAFE WORK SITE CONDITION AS DIRECTED/APPROVED BY THE CONSTRUCTION MANAGER, AND IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.), LATEST EDITION.
- ALL CONSTRUCTION ACTIVITIES TO COMPLY WITH APPLICABLE OSHA REGULATIONS.
- ALL GROUND SURFACES OUTSIDE OF THE CONSTRUCTION LIMITS DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO ITS ORIGINAL CONDITION.
- HORIZONTAL AND VERTICAL CONTROL POINTS REMOVED OR DISTURBED DURING CONSTRUCTION SHALL BE RESET BY A LAND SURVEYOR REGISTERED IN THE STATE OF MISSOURI AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL CONTROL DUST BY SPRINKLING OF WATER OR ANY OTHER NECESSARY MEANS APPROVED BY THE CONSTRUCTION MANAGER AND THE CITY OF WEBSTER GROVES.
- ALL CONSTRUCTION TO COMPLY WITH THE CITY OF WEBSTER GROVES STANDARDS.
- ALL SIDEWALKS TO BE CONSTRUCTED TO THE CITY OF WEBSTER GROVES, AND ADA STANDARDS. IN THE EVENT OF A CONFLICT THE MOST STRINGENT CRITERIA APPLIES.
- STORMWATER TO BE DISCHARGED TO AN ADEQUATE NATURAL DISCHARGE POINT. SINKHOLES ARE NOT ADEQUATE NATURAL DISCHARGE POINTS. IF THE CONTRACTOR ENCOUNTERS A SINKHOLE HE SHALL IMMEDIATELY NOTIFY THE CONSTRUCTION MANAGER FOR DIRECTION.
- THE CONTRACTOR WILL BE PROVIDED WITH ELECTRONIC FILES OF THE PLANS IN AutoCAD (RELEASE 2013) FORMAT FOR USE IN LAYING OUT THE WORK. THE LAYOUT COORDINATES SHOWN HEREON ARE PROVIDED FOR OVERALL HORIZONTAL AND VERTICAL CONTROL. ADDITIONAL POINTS REQUIRED TO LAYOUT THE WORK SHALL BE CALCULATED BY THE CONTRACTOR AS REQUIRED AT HIS EXPENSE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES WITH THE INFORMATION PROVIDED HEREON PRIOR TO CONSTRUCTION OF THE IMPROVEMENTS.
- PRIOR TO OBTAINING A CONSTRUCTION PERMIT FROM THE METROPOLITAN ST. LOUIS SEWER DISTRICT, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE THE DISTRICT WITH A COPY OF AN EXECUTED CERTIFICATE OF INSURANCE INDICATING THAT THE PERMITEE HAS OBTAINED AND WILL CONTINUE TO CARRY COMMERCIAL GENERAL LIABILITY AND COMPREHENSIVE AUTO LIABILITY INSURANCE. THE REQUIREMENTS AND LIMITS SHALL BE AS STATED IN THE "RULES AND REGULATIONS AND ENGINEERING DESIGN REQUIREMENTS FOR SANITARY AND STORMWATER DRAINAGE FACILITY", SECTION 10.090 (ADDENDUM).

SITE DEMOLITION NOTES

- THE APPROPRIATE UTILITY AGENCY SHALL BE NOTIFIED PRIOR TO THE COMMENCEMENT OF ANY WORK WHICH WILL AFFECT AN EXISTING UTILITY.
- REMOVAL AND/OR ABANDONMENT OF EXISTING SEWERS SHALL BE IN ACCORDANCE WITH THE STANDARD CONSTRUCTION SPECIFICATIONS FOR SEWER AND DRAINAGE FACILITIES OF THE METROPOLITAN ST. LOUIS SEWER DISTRICT, 2009 EDITION.
- HAUL ROUTE APPROVAL SHALL BE OBTAINED FROM THE CONSTRUCTION MANAGER AND CITY OF WEBSTER GROVES PRIOR TO THE COMMENCEMENT OF HAULING.
- IN REMOVING PAVEMENT, CURB, GUTTER, SIDEWALKS AND OTHER SIMILAR IMPROVEMENTS AND WHERE A PORTION OF SUCH IMPROVEMENTS ARE TO BE LEFT IN PLACE, THEY SHALL BE REMOVED TO AN EXISTING JOINT OR SAWCUT AT LIMITS OF REMOVAL.
- ALL EXISTING SIGNAGE SHALL BE PROTECTED, OR REMOVED AND REINSTALLED AT A LOCATION IDENTIFIED BY THE OWNER UNLESS NOTED OTHERWISE ON THE PLANS. THE CONSTRUCTION MANAGER SHALL APPROVE THE FINAL LOCATION OF ALL SIGNAGE. THE CONTRACTOR SHALL REPLACE, AT HIS EXPENSE, ANY SIGNS DAMAGED OR LOST DURING REMOVAL, STORAGE AND RESETING.
- ALL CONDUIT, DUCTS, FITTINGS, VALVES, AND OTHER DEBRIS RESULTING FROM THE DEMOLITION OF UTILITIES SHALL BE REMOVED AND DISPOSED OF OFF SITE.
- ALL DEBRIS RESULTING FROM THE DEMOLITION OF PAVEMENTS, CURBING, STRUCTURES, FOUNDATIONS AND FOOTINGS SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF UNLESS NOTED OTHERWISE IN THE PROJECT SPECIFICATIONS.
- REMOVE ALL SIGNS, POSTS AND FOOTINGS WITHIN LIMITS OF CONSTRUCTION, STORE AND RESET WITH NEW POSTS AND FOOTINGS AT A LOCATION DESIGNATED BY THE OWNER OR THEIR REPRESENTATIVE AS SITE WORK IS BEING COMPLETED.

SITE ADDRESS: 8274 BIG BEND, ZIP CODE 63119

STORMWATER MANAGEMENT NOTE:
LAND AREA DISTURBED = 2.00 ACRES
(OVERLAP WITH P-28874-00 = 1.17 ACRES)

ANY FUTURE LAND DISTURBANCE AND/OR INCREASE IN IMPERVIOUS AREA ON THIS SITE MAY REQUIRE ADDITIONAL STORM WATER MANAGEMENT PER MSD REGULATIONS IN PLACE AT THAT TIME.

GENERAL NOTES

EXCAVATION/GRADING NOTES

- DAMAGE TO OFF-SITE STREETS AND PROPERTIES DUE TO SOIL EROSION OR SILTATION SHALL BE PREVENTED BY ERECTING SILT BARRIERS OR BASINS, OR BY UTILIZING SIMILAR DEVICES TO EFFECT SOIL STABILIZATION. INSPECTION OF AND NECESSARY REPAIRS MADE TO THE EROSION CONTROL MEASURES MUST BE MADE DAILY FOLLOWING PERIODS OF PRECIPITATION, AND/OR AS DIRECTED BY THE CONSTRUCTION MANAGER. ADDITIONAL EROSION CONTROL MEASURES SHALL BE AT THE DISCRETION OF THE CITY OF WEBSTER GROVES.
- ALL TRENCHES UNDER, OR ADJACENT (WITHIN 3 FEET) TO PROPOSED PAVEMENT OR SIDEWALKS SHALL BE BACKFILLED TO SUBGRADE ELEVATION WITH MoDOT TYPE 5 CRUSHED LIMESTONE. CRUSHED LIMESTONE SHALL BE COMPACTED AS REQUIRED BY THE PROJECT SPECIFICATIONS.
- ELEVATIONS AND CONTOURS SHOWN ARE TO TOP OF FINISHED GROUND OR PAVED SURFACE, UNLESS NOTED OTHERWISE.
- 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.
- 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.
- SILTATION CONTROL SHALL INCLUDE TEMPORARY BERMS AND SWALES TO DIVERT STORM WATER RUN-OFF TO A CONTROLLED DISCHARGE POINT. SILTATION CONTROL DEVICES SHALL BE PLACED AT ALL DISCHARGE POINTS TO PROTECT ADJACENT PROPERTY AND RIGHT-OF-WAYS. UPON COMPLETION OF STORM SEWERS, STRAW BALES SHALL BE PLACED ON ALL SIDES OF INLET STRUCTURES TO KEEP SILT OUT OF STORM SEWER. SILTATION CONTROL DEVICES SHALL BE SECURELY ANCHORED AND PROPERLY MAINTAINED UNTIL ALL DISTURBED AREAS ARE PAVED OR TURF HAS BEEN ESTABLISHED.
- GRADING AND DRAINAGE PER THE CITY OF WEBSTER GROVES, MoDOT, AND MSD STANDARDS.
- SLOPE SHALL NOT EXCEED 3 (HORIZONTAL) : 1 (VERTICAL), UNLESS SUPPORTED BY GEOTECHNICAL REPORT.
- THE CONTRACTOR SHALL PROVIDE A 50' WIDE BY 100' LONG VEHICLE WASH DOWN AREA ADJACENT TO THE LOCATION WHERE THE ACCESS ROAD LEAVES THE SITE. THE CONTRACTOR IS ALSO RESPONSIBLE FOR CONTROLLING AND MITIGATING ANY PETROLEUM AND OTHER CONTAMINANTS THAT MAY RESULT FROM THE WASH DOWN PROCESS. IF ANY MUD AND/OR DEBRIS STILL GETS TRACKED ONTO THE ROADS, THE CONTRACTOR IS ALSO RESPONSIBLE FOR IMMEDIATELY CLEANING THE ROAD OF ANY MATERIAL RESULTING FROM THIS OPERATION. STORMWATER POLLUTION PREVENTION PLAN SHALL BE ADHERED TO AT ALL TIMES BY ALL CONTRACTORS WORKING ON THE SITE. FAILURE TO COMPLY IS JUSTIFICATION OF ISSUANCE OF A "STOP WORK ORDER".
- CLEARING OF VEGETATION/TREES AT THE LIMITS OF CONSTRUCTION SHALL BE THE MINIMUM NECESSARY TO ACCOMPLISH THE ACTIVITY.
- ONLY CLEAN FILL SHALL BE USED IN AREAS REQUIRING FILL.
- CARE SHOULD BE TAKEN TO KEEP MACHINERY OUT OF THE WATERWAY AS MUCH AS POSSIBLE. FUEL OIL AND OTHER PETROLEUM PRODUCTS, EQUIPMENT AND OTHER SOLID WASTE SHALL NOT BE STORED BELOW THE ORDINARY HIGH WATER MARK AT ANY TIME OR IN THE ADJACENT FLOODWAY BEYOND NORMAL WORKING HOURS. ALL PRECAUTIONS SHALL BE TAKEN TO AVOID THE RELEASE OF WASTES OR FUEL TO STREAMS AND OTHER ADJACENT WATER BODIES AS A RESULT OF THIS OPERATION.
- THE FILLING OF SPRINGS SHALL NOT BE ALLOWED. IF SPRINGS OR SINKHOLES ARE ENCOUNTERED, NOTIFY CONSTRUCTION MANAGER AND OBTAIN DIRECTIONS ON ITS TREATMENT.
- ALL EXCESS TOPSOIL THAT WILL NOT BE USED IN LANDSCAPED AREAS AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED FROM THE SITE.
- CONTRACTOR TO GENERATE AND SUBMIT A STORM WATER POLLUTION PREVENTION PLAN BASED ON ACTUAL CONSTRUCTION PRACTICES ANTICIPATED. AN EXAMPLE IS INCLUDED IN THIS SET OF DRAWINGS BUT IS NOT TO BE USED FOR THE LAND DISTURBANCE PERMIT APPLICATION WITH THE CITY OF WEBSTER GROVES.

EARTHWORK QUANTITIES

CUT = --- CUBIC YARDS
FILL = --- CUBIC YARDS

HAUL ROUTE INFORMATION

TOTAL CUBIC YARDS TO BE HAULED ---

THE INFORMATION REGARDING HAULING ROUTES, VOLUMES, ETC. BELOW WAS PROVIDED BY THE CONTRACTOR AND PLACED ON THIS DRAWING PER THE REQUIREMENTS OF -----, IF THE CONTRACTOR DEVIATES FROM WHAT HAS BEEN DESCRIBED BELOW HE/SHE MUST FIRST GET APPROVAL FROM ----- BEFORE HAND, THE ENGINEER IS NOT RESPONSIBLE FOR IT'S ACCURACY AND VERIFICATION IF REQUIRED IS THE RESPONSIBILITY OF -----.

NUMBER OF TRUCKS PER DAY ---
CUBIC YARDS PER TRUCK ---

ROADS TRAVELED,

HAUL FROM SITE ROUTE: START AT JOBSITE ADDRESS OF 8274 BIG BEND, WEBSTER GROVES, MO 63119.

HAUL TO SITE ROUTE: -----

DURATION OF HAUL OPERATION -----

"TRUCKS SHALL NOT EXCEED POSTED WEIGHT LIMITS FOR ST. LOUIS COUNTY BRIDGES DURING HAUL OPERATIONS."



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State Law requires 2 days advance notice. "The law in the State of Missouri defines emergency excavation as one preventing danger to life, health, or property."

MISSOURI ONE-CALL SYSTEM INC.
10223 NORTHEAST DR.
JEFFERSON CITY, MO 65109

GENERAL NOTES

SITE ADDRESS: 8274 BIG BEND, WEBSTER GROVES, MO 63119

OWNER: WEBSTER UNIVERSITY

LOCATOR ID 23K521443

MSD BASEMAP: 23K2

FIRM MAP: 29189CD329K

THE SITE LIES IN FLOOD ZONE "X", ZONE "X" IS DESCRIBED AS AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

BENCHMARK:

ST. LOUIS COUNTY BENCHMARK 14-488

CUT "L" ON TOP SOUTHEAST CORNER OF THE 3'x4' RAISED CONCRETE BASE FOR METAL TRAFFIC SIGNAL CONTROL BOX SITUATED IN A GRASSY AREA EAST OF THE SIDEWALK ALONG THE EAST SIDE OF THE RIGHT TURN LANE FROM NORTHBOUND EDGAR ROAD ONTO EASTBOUND BIG BEND BOULEVARD AND WEST OF A DECORATIVE STUCCO WALL OR FENCE, 70 FEET MORE OR LESS SOUTHEAST OF THE CENTERLINE OF BIG BEND BOULEVARD, AND 35 FEET MORE OR LESS NORTHEAST OF THE SOUTHERN BULL NOSE END OF A CONCRETE TRAFFIC ISLAND WITHIN EDGAR ROAD.

ELEVATION: 562.73 (NAVD 1988 DATUM) (USED FOR SURVEY)

563.07 (NGVD 1929 DATUM)

PAR - ISB DATUM ADJUSTMENT NOTE:

THE EAB PROJECT HAD BEEN SURVEYED AND DESIGNED BASED ON THE 1929 VERTICAL DATUM. THE ISB PROJECT DEPICTED IN THESE PLANS WAS SURVEYED AND DESIGNED BASED ON THE 1988 VERTICAL DATUM. THE CONVERSION BETWEEN THE 1929 DATUM AND THE 1988 DATUM IS 0.36 FEET. ADDING 0.36 FEET TO THE ISB PLAN ELEVATIONS (1988 DATUM) CONVERTS ELEVATIONS TO THE EAB PLAN ELEVATIONS.

SHEET

TITLE

C100	GENERAL NOTES
C101	GENERAL NOTES
C102	GENERAL NOTES
C200	EXISTING CONDITIONS
C300	DEMOLITION PLAN
C400	SITE IMPROVEMENT PLAN
C500	SITE GRADING PLAN
C600	SEWER PROFILES
C601	SEWER PROFILES
C602	BASIN SECTIONS
C700	CIVIL DETAILS
C701	CIVIL DETAILS
C702	CIVIL DETAILS
C800	EROSION CONTROL DETAILS
C801	EROSION CONTROL DETAILS
C802	EROSION CONTROL DETAILS
C803	EROSION CONTROL DETAILS
C804	INTERIM STORMWATER POLLUTION PREVENTION PLAN
C805	FINAL STORMWATER POLLUTION PREVENTION PLAN
C1000	BMP DAM A1 AND A2 EXISTING CONDITION TOTAL DISTURBED AREA
C1001	BMP DAM PROPOSED CONDITION TOTAL DISTURBED AREA
C1002	BMP DAM A3 EXISTING CONDITION DISTURBED AREA OVERLAP
C1003	BMP DAM POST 28874-00 AND PRE 28874-01 (A4) & A5
C1004	STORM SEWER DRAINAGE AREA MAP
C1005	STORM SEWER FLOW RATE AND DESIGN TABLES
A0102.EB	EXTERIOR - LEVEL 02 AREA B FLOOR PLAN
A0400	EXTERIOR ASSEMBLIES
A0423	EXTERIOR PLAN DETAILS
L155	BMP PLANTING PLAN
L510	PLANTING DETAILS
P0010	LEVEL 0 AREA A UNDER FLOOR PLAN - PLUMBING
P0011	LEVEL 01 AREA A/B UNDER FLOOR PLAN - PLUMBING
P0101.A	LEVEL 01 AREA A FLOOR PLAN - PLUMBING
P0101.B	LEVEL 01 AREA B FLOOR PLAN - PLUMBING
P0402	RISERS - PLUMBING
P0501	DETAILS - PLUMBING
S0003	TYPICAL DETAILS



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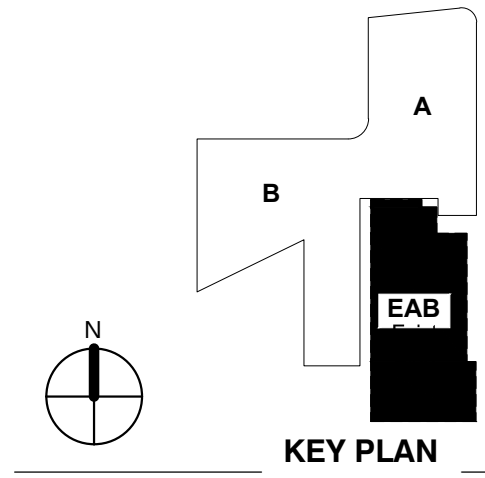
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3	ADDENDUM 1-12	16 JUN 2016
2	ADDENDUM 1-10	5 MAY 2016
1	ADDENDUM 1-1	29 JAN 2016
-	ISSUED FOR CONSTRUCTION (BP1)	15 JAN 2016

No.	Description	Date
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Drawing Title:

GENERAL NOTES

Project No.: 04561.00 Checked by:

C100