TAGGED NOTES TAGGED NOTES U6 PROVIDE 2-4" AND 1-1 1/2" CONDUITS FROM EXISTING POWER POLE LOCATION AND FROM SITE SIGN, RESPECTIVELY, U39 NEW UTILITY TRANSFORMER. COORDINATE WITH PEPCO UTILITY COMPANY FOR EXACT LOCATION. SEE "PEPCO (POTOMAC ELECTRIC POWER COMPANY) COMPANY UTILITY EQUIPMENT CLEARANCES ON DRAWING EU103. PROVIDE A CONCRETE PAD FOR UTILITY TRANSFORMER. REFER TO UTILITY COMPANY'S BUILDING MANUAL FOR EXACT U7 PROVIDE 1 1/2" CONDUIT TO TELECOM CLOSET 144A FOR SIGN COMMUNICATIONS CABLING. REQUIREMENTS FOR PAD AND TO SHEET EU-200. U9 PROVIDE 2-4" CONDUITS FROM EXISTING POWER POLE LOCATION INTO TELECOM CLOSET 144A FOR VERIZON CABLING. U40 REFER TO DETAIL ON SHEET EU-200 FOR TRANSFORMER PAD AND GROUNDING REQUIREMENTS. U15 PROVIDE 2-4" CONDUITS FOR FUTURE USE FROM ELECTRICAL HANDHOLE ON SITE TO ELECTRICAL SERVICE ROOM U41 REFER TO STRUCTURAL BUILDING DRAWINGS FOR FOOTER LOCATIONS. WHEN ROUTING BELOW SLAB DUCTBANKS, 167A. STUB CONDUITS UP INTO PANEL 1HDP. CONTRACTOR SHALL AVOID FOOTERS AND ZONE OF INFLUENCE AS OUTLINED ON STRUCTURAL DRAWINGS. U17 BID ALTERNATE #2: PROVIDE A SINGLE 2" CONDUIT WITH PULL WIRE FOR FUTURE SOLAR CABLING TO EACH CANOPY U42 PROVIDE POWER TO GENERATOR BATTERY CHARGER SHOWN. TERMINATE IN ELECTRICAL SERVICE ROOM 167A ON EAST WALL AT LOCATION RESERVED FOR FUTURE SOLAR EQUIPMENT. AT CANOPY, STUB CONDUIT UP AND CAP AT INSIDE LEG OF CANOPY SUPPORT U43 PROVIDE POWER TO GENERATOR HEATER U18 BID ALTERNATE #2: PROVIDE CANOPY LIGHTING AND POWER CIRCUIT SHOWN. REMOVE P4 FIXTURE SHOWN IN U44 PROVIDE 2 - 1" CONDUITS TO BUILDING FOR GENERATOR CONTROL WIRING CANOPY FOOTPRINT FROM SCOPE OF WORK IF ALTERNATE IS TAKEN. U46 PROVIDE FLAGPOLE DIRECTIONAL LIGHTS ON OPPOSITE SIDES OF FLAGPOLE. MOUNT ON STANCHION ON CONCRETE U20 PROVIDE 2" CONDUIT STUB-OUT FOR FUTURE BUS CHARGING AND TERMINATE IN HANDHOLE ON SITE. U47 INSTALL 4" 4-WAY CONDUITS AT PAD LOCATION FROM PRIMARY COMPARTMENT AND STUB OUT 5' BEYOND U21 PROVIDE 2" CONDUIT FROM HANDHOLE AND STUB UP INTO PANEL 1RP5 FOR FUTURE ELECTRIC VEHICLE PARKING TRANSFORMER. THEN ROUTE 4" 2-WAY CONDUITS PER PRIMARY TRENCHING DETAIL ON SHEET EU-103 TO SPLICE BOX U25 PROVIDE CONNECTION TO DUPLEX RECEPTACLE AND LIGHTS SERVING STORAGE SHED. CONNECT TO SHED EXTERIOR DUPLEX RECEPTACLE ON DEDICATED CIRCUIT. U48 EXISTING POWER AND FIBER OPTIC FEED TO SITE SIGN TO BE INTERRUPTED BY SITEWORK IN EARLY PHASES OF U26 MOUNT DUPLEX RECEPTACLE TO UNISTRUT BASE ON FENCE INTERIOR. CIRCUIT TO BE 2-#4, #4 GND IN 3/4" CONDUIT. CONSTRUCTION. CONTRACTOR SHALL REFEED SITE SIGN AT THE BEGINNING OF CONSTRUCTION WITH NEW U27 PROVIDE 1-4" CONDUIT BETWEEN TELECOM CLOSET 144A AND TELECOM HANDHOLE SHOWN FOR FUTURE DATA FOR POWER/FIBER OPTIC DUCTBANK FROM EXISTING BUILDING. ASSUME 3#8, #10G FOR POWER CONDUCTORS AND ONE 6 STRAND SINGLE MODE FIBER OPTIC CABLE FOR COMMUNICATIONS. NEW TEMPORARY PATH SHALL AVOID THE U32 PROVIDE 2-#8, #10 GND IN 1-1/2" CONDUIT TO NEW SITE SIGNAGE FROM PANEL 1RP5 IN HP ROOM 117A; REFER TO FOOTPRINT OF THE NEW BUILDING. LATER IN CONSTRUCTION, THIS SITE SIGN WILL BE RELOCATED TO THE EAST OF FLOOR PLANS, AREA A FOR HP ROOM LOCATION. COORDINATE INSTALLATION WITH SIGNAGE MANUFACTURER PRIOR THE NEW VEHICLE ENTRANCE. REFER TO SHEET NOTE U32. TO CONDUIT/BRANCH CIRCUIT BURIAL. REFER TO ARCHITECTURAL SITE PLAN AND SITE DEVELOPMENT PLANS FOR U49 PROVIDE 1-2" CONDUIT WITH ONE 6 STRAND MULTIMODE OPTIC CABLE TO FEED SITE SIGN. TERMINATE CONDUIT IN FINAL SIGN LOCATION AND ADDITIONAL INFORMATION. TELECOM CLOSET 101H. U34 PROVIDE SECONDARY CONDUITS FROM GENERATOR TO ELECTRICAL SERVICE ROOM 167A. REFER TO ONE-LINE DIAGRAM FOR SIZE AND QUANTITIES. U35 PROVIDE SECONDARY DUCTBANK BETWEEN TRANSFORMER AND ELECTRICAL SERVICE ROOM 167A. REFER TO ONE-LINE DIAGRAM FOR SIZE AND QUANTITIES. REFER TO STRUCTURAL DETAILS AND COORDINATE WITH STRUCTURAL ENGINEER PRIOR TO FINAL INSTALLATION. U36 MULTIPLE STORM WATER MANAGEMENT PONDS AND STRUCTURES EXISTING IN PARKING AREAS. AVOID ROUTING

SECONDARY CONDUITS THROUGH THESE AREAS. REFER TO CIVIL PLANS PRIOR TO SECONDARY ROUTING TO

SCHEDULE 40 CONDUITS TO THE MDF. HANDHOLES SHALL BE LOCATED NEAR THE UTILITY POLE WITH SERVICE

SITE ELECTRICAL NEW WORK PLAN

U38 (2) HANDHOLES; (1) DEDICATED FOR VERIZON & (1) DEDICATED FOR COMCAST/DOT. EACH SHALL HAVE (2) 4" PVC

PROVIDER PRESENT.

SPACE RESERVED FOR COUNTY APPROVAL STAMP

ENLARGED STORAGE SHED PLAN

ELEC - SUPPLY/INSTALL MATERIAL SERVICE LATERAL (PRIMARY UTILITY TRENCH / BACKFILL / CONDUIT RISER POLE MATERIAL UTILITY TRANSFORMER FOUNDATION CONNECTORS @ SOURCE UTILITY CURRENT TRANSFORMERS METERING CONDUIT TRANSFORMER RATED METER UTILITY SOCKET METER

> PRE-CONSTRUCTION INSPECTION AND FINAL INSPECTION CONDUIT INSPECTOR FOR MONTGOMERY COUNTY WAYNE JOSEY: OFFICE: 301-670-8808 CELL: 202-702-3605 EMAIL: WJOSEYSR@OUTLOOK.COM

B REFER ALSO TO ALL OTHER PLANS AND THE SPECIFICATION, BUT SUPPLIED BY INSTALLED BY CONTRACTOR CONTRACTOR SERVICE ENTRANCE (SECONDARY) CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR UTILITY CONNECTORS @ METER SOCKET | CONTRACTOR | CONTRACTOR CURRENT TRANSFORMER CABINET CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR UTILITY UTILITY

PLANNED OR OCCURS ACCIDENTALLY, THE CONTRACTOR(S) SHALL WORK CONTINUOUSLY AS NEEDED TO RESTORE SAME PROVIDING PREMIUM TIME AS NEEDED AT NO INCREASE IN THE CONTRACT F LOCATIONS, DEPTHS, MATERIAL TYPES, ELEVATIONS, ETC. OF ALL APPURTENANCES, LINES, BUILDINGS, ETC. INDICATED ON THESE DRAWINGS WERE TAKEN FROM VARIOUS SOURCES, ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO SUBSTANTIAL VARIATION FROM EXISTING CONDITIONS, EXISTING UTILITIES LOCATIONS MAY VARY. CONSEQUENTLY ALL CONTRACTORS SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO ENSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SCALE : 1/8" = 1'-0" SERVICE. FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL

12/22/2021 BUILDING PERMIT SE 02/25/2022 ISSUED FOR BID

STANDARDS AND SAFETY REQUIREMENTS. G PROVIDE LONG RADIUS ELBOWS FOR UNDERGROUND CONDUIT BENDS. WHERE SERVING A UTILITY OWNED TRANSFORMER, THE UTILTY STANDARDS SHALL TAKE PRECEDENCE. H UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE

LINES. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL FEDERAL, STATE, AND/OR LOCAL RULES, REGULATIONS,

ELECTRICAL SITE NOTES

CIVIL DRAWINGS AND SURVEYS.

PRIOR TO SUBMISSION OF BIDS.

EXCEEDED BY THIS DESIGN.

A DO NOT SCALE FROM MECHANICAL AND ELECTRICAL DRAWINGS.

FIELD VERIFY REQUIRED DIMENSIONS AND COORDINATE WITH

ESPECIALLY TO: THE SITE SURVEY, THE ARCHITECTURAL SITE

PLAN, THE SITE GRADING PLAN, THE PLANTING PLAN (WHERE

ARE CONFLICTS AMONG THESE PLANS AND/OR RELATED

ALL FEES AND ANY OTHER COSTS TO UTILITY COMPANIES,

TO BE INCLUDED AS A PART OF THIS CONTRACT.

AVAILABLE), FOUNDATION PLAN(S), APPROPRIATE MECHANICAL &

ELECTRICAL FLOOR PLANS FOR SERVICE CONTINUATIONS, THE

SITE UTILITY PLAN - MECHANICAL & ELECTRICAL. WHERE THERE

SPECIFICATIONS, ADVISE THESE ENGINEERS AT LEAST TEN DAYS

MUNICIPALITIES, INSPECTORS, REVIEWING AGENCIES, ETC. ARE

CODES, RULES, REGULATIONS AND REQUIREMENTS APPLY UNLESS

D FEDERAL, STATE, LOCAL, MUNICIPALITY AND UTILITY COMPANY

WHEN INTERRUPTION OF AN EXISTING UTILITY OR SERVICE IS

APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY. IF ANY VARIATION OCCURS, CONSULT THE ENGINEER. CONTRACTOR SHALL VISIT THE SITE AND FIELD VERIFY THE ROUTING OF ALL UTILITIES NEW AND EXISTING PRIOR TO SUBMISSION OF BIDS. SUBMISSION OF A BID PROPOSAL INDICATES THAT THE CONTRACTOR IS FULLY AWARE OF ALL OBSTRUCTIONS AND WILL INSTALL ALL OF THE NEW UTILITIES WITHOUT REQUESTS FOR ANY ADDITIONAL CHANGES. I PROVIDE GALVANIZED RIGID CONDUIT FOR EXTERIOR

UNDERGROUND TRANSITIONS TO ABOVE GRADE; EXTEND CONDUIT A MINIMUM OF 6" ABOVE GRADE. J CONTRACTOR SHALL PERFORM A SMOKE TEST ON ALL CONDUITS INSTALLED ON SITE AND SHALL TAKE ALL NECESSARY CORRECTIVE ACTION IF NOT FOUND IN COMPLIANCE WITH FACILITY STANDARDS.

K CONTRACTOR SHALL CONTACT ENGINEER FOR INSPECTION OF TRENCHES PRIOR TO INSTALLATION OF CONDUITS OR RACEWAYS. PROVIDE PHOTOS UPON REQUEST.

L CONTRACTOR SHALL CUT AND PATCH ALL PAVEMENT, CURBING, ETC. AS REQUIRED FOR WORK. CONTRACTOR SHALL REPAIR ALL LANDSCAPING THAT IS DAMAGED FOR WORK. FINISH GRADE, SEED AND STRAW ALL DISTURBED GREEN SPACES. ALL PATCH AND REPAIR WORK SHALL BE IN ACCORDANCE WITH BOTH CIVIL AND LANDSCAPE DRAWINGS AND SPECIFICATIONS. M COORDINATE UNDERGROUND ELECTRICAL WITH ALL LANDSCAPING

AND FENCING, ADJUST ELECTRICAL LINES TO AVOID CONFLICTS. REFER TO LANDSCAPING PLANS FOR FURTHER INFORMATION. AVOID ROUTING UNDERGROUND CONDUITS UNDER ROADWAYS OR PARKING LOTS, CROSS ROADWAYS WITH UNDERGROUND CONDUITS AT 90 ANGLES WHERE POSSIBLE. N PLANNED INTERRUPTION OF ANY SERVICE SHALL BE COORDINATED

WITH THE APPROPRIATE MUNICIPALITY OR UTILITY COMPANY, THE ARCHITECT, AND THE BUILDING OPERATORS AT LEASTE ONE WEEK IN ADVANCE OF ANTICIPATED INTERRUPTION. A SCHEDULE FOR THESE OUTAGES SHALL BE DEVELOPED AND AGREED UPON BETWEEN THE PARTIES MENTIONED TO AVOID UNNECESSARY INCONVENIENCE TO THE OWNER OR ANY AFFECTED PARTY. NOTIFY Owner: THE UTILITY COMPANY OF ANY ANTICIPATED SERVICES REQUIRED MONTGOMERY COUNTY PUBLIC SCHOOLS FROM THEM AT LEAST TWO WEEKS IN ADVANCE IN WRITING AND 45 WEST GUDE DRIVE, SUITE 4300 INSURE THAT THEY DO NOT DELAY WORK. O THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE DRAWINGS

ARE APPROXIMATE ONLY. P THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY EXCAVATION

WORK REQUIRED TO LOCATE UNDERGROUND UTILITIES. THE CONTRACTOR IS ALSO REQUIRED TO NOTIFY ANY OTHER AFFECTED UTILITY OWNERS PRIOR TO DIGGING. IN THE EVENT OF ACCIDENTAL INTERRUPTION OF SERVICE, CONTRACTOR WILL IMMEDIATELY NOTIFY THE OTHER UTILITY OWNERS. O THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE

MEASURES TO SAFEGUARD OTHER EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE OTHER UTILITIES. THE UTILITY WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT.

R CONTRACTOR SHALL PAY ALL TAP FEES, UTILITY COST, UTILITY CONNECTION COSTS, METER FEES, EXTENSION AND DEVELOPMENT CHARGES. REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

AND EASTING DATA AS REQUIRED OR SHOWN ON DRAWINGS. T REATTACH ALL TAPS AND TRANSFORMERS AS TO MAINTAIN EXISTING PHASE CONNECTIONS.

U CONTRACTOR RESPONSIBLE FOR MAINTAINING DOWNSTREAM SERVICE FROM REMOVED EQUIPMENT ON SITE. INCLUDING BUT NOT LIMITED TO SITE LIGHTING, TRANSFORMERS, ETC V WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS

INDICATED ON THE DRAWINGS: THE CONTRACTOR SHALL ENSURE

THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE-DEMOLITION" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN, BE SWITCHED TO OFF POSITION, AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.

W REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES/FIXTURES/ETC. BEING REMOVED (BACK POLYSONICS TO SOURCE), WHETHER INDICATED OR NOT (UON). X COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH OWNER. TURN OVER ITEMS REMOVED TO OWNER AT THEIR OPTION.

Y COORDINATE WITH OTHER TRADES FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL DEVICES AND CONNECTIONS ASSOCIATED WITH THEIR EQUIPMENT.

EASTMAN Washington, DC 20005 T. +1 202 861 1325 F. +1 202 861 1326

ROCKVILLE, MD 20850

Construction Manager: HENLEY CONSTRUCTION COMPANY, INC. 7940 QUEENAIR DR. GAITHERSBURG, MD 20879

ADTEK ENGINEERS 150 SOUTH EAST STREET, SUITE 201 FREDERICK, MD 21701

S THE UTILITY WILL PROVIDE STAKING DATA INCLUDING NORTHING YUN ASSOCIATES, LLC

1775 K ST. NW, SUITE 220 WASHINGTON, DC 20006

Mechanical, Plumbing, & Electrical: CMTA, INC 1220 N. FILMORE ST., SUITE 350 ARLINGTON, VA 22201

NYIKOS-GARCIA FOODSERVICE DESIGN, INC 18219-A FLOWER HILL WAY GAITHERSBURG, MD 20879

AV & Acoustical Consultant: 405 BELLE AIR LANE WARRENTON, VA 20186

Traffic Consultant:

PROJECT TITLE:

THE TRAFFIC GROUP, INC. 9900 FRANKLIN SQUARE DRIVE, SUITE H BALTIMORE, MD 21236 Specifications:

1899 PENNSYLVANIA AVE. NW, SUITE 220

WASHINGTON, DC 20006

HELLER & METZGER, PC

NEELSVILLE MIDDLE SCHOOL 11700 NEELSVILLE CHURCH RD. GERMANTOWN, MD 20876

PROJECT No: 85730.00

SITE ELECTRICAL **NEW WORK PLAN**

ISSUED FOR BID

EU-103

FEBRUARY 25, 2022

