8" VCP **GENERAL NOTES:** SHEET NOTES: 1. TWO 4" SCH. 40 PVC CONDUITS IN TRENCH. MINIMUM BURY SHALL BE 42". 14. PROVIDE AND INSTALL NEW 800A/3P/240V/SERVICE ENTRANCE RATED 1. ALL NEW UNDERGROUND PRIMARY ELECTRIC CONDUITS SHALL BE RUN WITH LONG, GRADUAL BENDS TO AVOID REQUIREMENT OF INTERMEDIATE PULL CONDUITS SHALL HAVE LONG SWEEP SCH. 80 ELBOWS. INSTALL 200 LB PULL DISCONNECT IN STORAGE ROOM. PROVIDE #2/0 GND. PER NEC. STRING IN EACH CONDUIT. CAP ONE CONDUIT AT BASE OF UTILITY POLE 15. ROUTE TWO PARALLEL RUNS OF 3?"C. WITH 4-500 MCM AND 1#3 GND. IN BOXES. COORDINATE INSTALLATION WITH KU COMPANY. IF INTERMEDIATE / DISCONNECT, REMOVE, AND PROPERLY DISPOSE OF EXISTING PULL BOXES ARE REQUIRED, THEY SHALL BE FLUSH TO GRADE SURFACE WITH FOR A SPARE AND MAST OTHER UP POLE PER KENTUCKY UTILITY CO. EACH CONDUIT CONCEALED ABOVE CEILING TO EXISTING SWITCHGEAR. 600A/3P/208V SERVICE DISCONNECT. PROVIDE AND INSTALL REQUIREMENTS. TERMINATE BOTH CONDUITS IN PRIMARY SECTION OF DRIVE-OVER LIDS AND SHALL MEET ALL KU REQUIREMENTS. 16. ROUTE CONDUITS AS HIGH AS POSSIBLE ACROSS CORRIDOR. CONSTRUCT A A NEW 800A/3P/208V/SERVICE ENTRANCE RATED DISCONNECT UTILITY POLE . AFTER WORK, PATCH ALL PARKING AREAS, DRIVES, PAVED AREAS, FLOORS, TRANSFORMER PER KU REQUIREMENTS. METAL STUD AND ?" GYPSUM BOARD SOFFIT TO CONCEAL NEW CONDUITS IN THE SAME LOCATION AND CONNECT TO NEW SECONDARIES ETC. TO MATCH EXISTING ADJACENT SURFACES. SEE STREET AND ROADS 2. TWO 6" SCH. 40 PVC CONDUITS IN TRENCH. MINIMUM BURY SHALL BE 42". ACROSS CEILING. AND TO EXISTING LOAD-SIDE FEEDERS. PAVING REPLACEMENT DETAIL ON SHEET E-2. CONDUITS SHALL HAVE LONG SWEEP SCH. 80 ELBOWS. INSTALL 200 LB PULL 17. ROUTE CONDUITS ABOVE EXISTING CEILING. REMOVE ONLY WIDTH OF STRING IN EACH CONDUIT. CAP ONE CONDUIT AT BASE OF UTILITY POLE CEILING AS REQUIRED FOR INSTALLATION OF NEW CONDUITS. PATCH AND 3. AFTER WORK, SEED ALL DISTURBED SOILS IN GRASSY AREAS TO MATCH ASPHALT REPAIR CEILING AFTER CONDUIT INSTALLATION TO MATCH EXISTING ADJACENT AREAS. COVER WITH STRAW FOR PROTECTION. FOR A SPARE AND MAST OTHER UP POLE PER KENTUCKY UTILITY CO. 4. SEE SHEET E-2 FOR ADDITIONAL DETAILS AND INFORMATION. REQUIREMENTS. TERMINATE BOTH CONDUITS IN PRIMARY SECTION OF ADJACENT CEILING SURFACE. 5. CONTRACTOR SHALL VERIFY EXISTING CONDUIT SIZES WHERE CONDUITS SHALL TRANSFORMER PER KU REQUIREMENTS. 18. ROUTE CONDUITS DOWN WALL TO AN ELEVATION WHERE A WALL PENETRATION CAN BE MADE. THEN PENETRATE WALL AND ROUTE CONDUITS/CONDUCTORS TO BE REUSED PRIOR TO PURCHASING CONDUCTORS. 3. NEW TRANSFORMER FOR S.C.A.P.A. SHALL BE SET ON SAME PAD AS EXISTING 6. CONTRACTOR SHALL VERIFY EXISTING SWITCHGEAR LUG SIZES AND MODIFY/ TRANSFORMER. RECONNECT EXISTING SECONDARY CONDUCTORS TO NEW EXISTING SWITCHGEAR AND CONNECT. PATCH WALL. REPLACE AS REQUIRED TO ACCEPT NEW SECONDARY CONDUCTORS. TRANSFORMER. REWORK SECONDARY CONDUITS/CONDUCTORS, AS REQUIRED. 19. DISCONNECT, REMOVE, AND PROPERLY DISPOSE OF EXISTING SECONDARY CONC DOCK CONDUCTORS. DISCONNECT, REMOVE, AND PROPERLY DISPOSE OF ANY . CONTRACTOR SHALL LAY CONDUIT IN TRENCH AND BACK FILL TRENCH AS THIS TRANSFORMER FEEDS TWO SECONDARIES. ONE CONSISTS OF FOUR WORK PROCEEDS TO MINIMIZE LENGTH OF OPEN TRENCH AT ANY ONE TIME. PARALLEL RUNS OF 3-600 MCM AND 1-200 MCM IN 3?"C. SECOND SECONDARY EXPOSED ABANDONED SECONDARY CONDUITS INSIDE THE BUILDING. ALL OPEN TRENCH MUST BE FENCED, COVERED, OR OTHERWISE PROTECTED 20. NEW UNDERGROUND SECONDARY TO FEED EXISTING 800A/480V/3Ø SERVICE. CONSISTS OF 4#2 IN 1?"C. RECONNECT BOTH SECONDARIES AND PROVIDE TO PROTECT THE SAFETY OF PEOPLE AT THE SITE. METERING AND GROUNDING FOR EACH SERVICE PER DETAIL ON SHEET E-2. ROUTE TWO PARALLEL RUNS OF 3"C. WITH 4-500 MCM IN EACH CONDUIT FROM 8. NO ELECTRICAL SERVICE SHALL BE SHUT DOWN EXCEPT DURING NIGHTS 4. NEW TRANSFORMER TO BE SET ON NEW PAD. PROVIDE METERING AND NEW TRANSFORMER LOCATION TO EXISTING SWITCHGEAR AND RECONNECT. AND WEEKENDS. ALL OUTAGES MUST BE SCHEDULED WITH OWNER/ENGINEER MINIMUM BURY SHALL BE 30". REPLACE LUGS IN EXISTING SWITCHGEAR AS - APPROXIMATE LOCATION GROUNDING PER DETAIL ON SHEET E-2. EXISTING 120/208V/3Ø AT LEAST SEVEN DAYS AHEAD OF TIME. NO ELECTRICAL SERVICE SHALL 5. NEW UNDERGROUND SECONDARY TO FEED EXISTING 2000A/480V/3ø SERVICE. REQUIRED TO ACCEPT NEW CONDUCTORS. BE SHUT DOWN UNTIL ALL MATERIAL AND EQUIPMENT IS IN PLACE FOR ROUTE FIVE PARALLEL RUNS OF 4"C. WITH 4-600 MCM IN EACH CONDUIT 21. NEW UNDERGROUND SECONDARY TO FEED EXISTING 1000A/480V/3Ø SERVICE. SERVICE DISCONNECT IN FROM NEW TRANSFORMER LOCATION TO EXISTING SWITCHGEAR AND RECONNECT. UTILITY POL BASEMENT. FIELD VERIFY WORK THAT MUST BE PERFORMED DURING OUTAGE. ROUTE THREE 3"C. WITH 4-500 MCM IN EACH CONDUIT FROM NEW TRANSFORMER LOCATION TO EXISTING SWITCHGEAR AND RECONNECT. 9. CONTRACTOR IS RESPONSIBLE FOR SWITCHING HIGH VOLTAGE SYSTEM MINIMUM BURY SHALL BE 30". 2 STORY CB BUILDING OFF AND ON FOR ALL REQUIRED OUTAGES. NEITHER THE OWNER NOR 6. REMOVE EXISTING SECONDARY CONDUCTORS FROM EXISTING CONDUITS. REUSE MINIMUM BURY SHALL BE 30". KU WILL PROVIDE SWITCHING OF HIGH VOLTAGE SYSTEM AS REQUIRED. EXISTING CONDUITS TO ROUTE NEW SECONDARY CONDUCTORS INTO EXISTING 22. NEW UNDERGROUND SECONDARY TO FEED EXISTING 208V/3Ø SERVICE. ROUTE SANITARY MANHOLE 10. KU WILL NOT COORDINATE PHASING AT TRANSFORMER WITH EXISTING SWITCHGEAR AND RECONNECT. THREE 4"C. WITH 4-600 MCM IN EACH CONDUIT FROM NEW TRANSFORMER VOCATIONAL MOTORS. CONTRACTOR IS RESPONSIBLE FOR VERIFYING PROPER PHASING 7. ROUTE NEW UNDERGROUND SECONDARY BELOW GRADE THROUGH BREEZEWAY. LOCATION TO EXISTING SWITCHGEAR AND RECONNECT. MINIMUM BURY SHALL T/R = 975.07TEMPORARILY REMOVE MULLION FROM DOORS TO ALLOW TRENCHING AND FOR EXISTING MOTORS AND ARRANGING SECONDARY CONDUCTOR 1NV. = 967.46TERMINATIONS AS REQUIRED. THIS INCLUDES SERVICES WHERE A NEW REINSTALL MULLION WHEN WORK IS COMPLETE. 23. INDICATED CONDUIT SHALL BE A SPARE FOR FUTURE USE. LOUIE MAC BUILDING SECONDARY IS TO BE INSTALL AND SERVICES THAT WILL USE EXISTING 8. DISCONNECT AND REMOVE EXISTING TRANSFORMER. TRANSFORMER SHALL BE 24. NEW UNDERGROUND SECONDARY TO FEED EXISTING 208V/3Ø SERVICE. ROUTE MOVED BY CONTRACTOR TO A LOCATION ON THE CAMPUS AS DESIGNATED BY TWO 3?"C. WITH 4-500 MCM IN EACH CONDUIT FROM NEW TRANSFORMER LOCATION TO EXISTING SWITCHGEAR AND RECONNECT. MINIMUM BURY SHALL . TRENCHES SHALL BE OPEN FOR MINIMAL AMOUNT OF TIME DUE TO SAFETY THE OWNER. DEMOLISH AND REMOVE TRANSFORMER PAD. PATCH/REPAIR BE 30". ISSUES. CONTRACTOR WILL BE ASKED TO CONCENTRATE TRENCHING CONCRETE AT PAD OPENINGS. WHERE PAD RESTS ON SOIL, BACKFILL WITH WORK AT ONE TIME TO MINIMIZE LENGTH OF TIME TRENCHES WILL BE 25. ONE 4" SCH. 40 PVC CONDUIT IN TRENCH. MINIMUM BURY SHALL BE 42". TOP SOIL TO LEVEL GRADE AND SEED AND STRAW. NITARY MANHOLE 9. EXISTING PRIMARY CONDUCTORS TO BE REMOVED BY KU COMPANY. CONDUIT SHALL HAVE LONG SWEEP SCH. 80 ELBOWS. INSTALL 200 LB PULL 2. WORK IN THE PARKING LOT BETWEEN THE LOUIE MAC BUILDING AND 10. EXISTING MANHOLE WILL BE ABANDONED BY KU COMPANY. ONCE MANHOLE IS STRING IN CONDUIT. MAST CONDUIT UP INDICATED UTILITY POLE. T/R=973.29 26. CONTRACTOR SHALL BUILD PROTECTION WALL AROUND TRANSFORMER(S) PER LAFAYETTE HIGH SCHOOL IS TO BE COMPLETED FIRST TO CLEAR ROOM COMPLETELY ABANDONED, FILL WITH CRUSHED STONE. 1NV. = 966.74IN THE PARKING LOT FOR BAND PRACTICE IN JULY. 11. ONE 4" SCH. 40 PVC CONDUIT IN TRENCH. MINIMUM BURY SHALL BE 42". DETAIL ON SHEET E-2. AT THE ONE LOCATION WHERE THE WALL ENCLOSES TWO TRANSFORMERS, WALL SHALL EXTEND TO AN ELEVATION OF 6' ABOVE CONDUIT SHALL HAVE LONG SWEEP SCH. 80 ELBOWS. INSTALL 200 LB PULL SECOND FLOOR OF ADJACENT BUILDING. STRING IN CONDUIT. MAST UP UTILITY POLE PER KU CO. STANDARDS. ROUTE TO PRIMARY SECTION OF TRANSFORMER PER KU REQUIREMENTS. 27. THERE EXISTING ONE 120V CIRCUIT FROM A PANELBOARD IN INDICATED ELECTRIC TRANSFORMER 12. ONE 4" SCH. 40 PVC CONDUIT IN TRENCH. MINIMUM BURY SHALL BE 42". TRANSFORMER TO A SUMP PUMP IN ADJACENT MANHOLE. WHEN MANHOLE IS UTILITY POLE UTILITY POLE ABANDONED, DISCONNECT AND REMOVE CONDUCTORS FROM THIS ENTIRE CONDUIT SHALL HAVE SCH. 80 LONG SWEEP ELBOWS. INSTALL 200 LB PULL 10 ELECTRIC MANHOLE (NEW PRIMARY METER) STRING IN CONDUIT. ROUTE CONDUIT FROM PRIMARY SECTION OF ONE CIRCUIT. REMOVE ABANDONED CONDUIT. TRANSFORMER TO PRIMARY SECTION OF NEXT TRANSFORMER PER KU 28. PRIME AND PAINT (TWO COATS OF PAINT) NEW SOFFIT AND PATCHED CEILING REQUIREMENTS. AREA. PAINT COLOR WILL BE PROVIDED DURING SHOP DRAWING PHASE. 13. NEW UNDERGROUND SECONDARY TO FEED EXISTING 208V/3Ø SERVICE. ROUTE PAINT SHALL BE FLAT LATEX WITH COLOR PROVIDED BY OWNER. SCHOOL UPGRADE THREE PARALLEL RUNS OF 4"C. WITH 4-500 MCM IN EACH CONDUIT FROM 29. PROVIDE AND INSTALL TWO BOLLARDS IN FRONT OF TRANSFORMERS. BOLLARDS NEW TRANSFORMER LOCATION TO EXISTING SWITCHGEAR AND RECONNECT. SHALL BE 6" PIPE FILLED WITH CONCRETE, SET 42" BELOW GRADE IN MIN. 225 KVA MINIMUM BURY SHALL BE 30". 12" ROUND CONCRETE BASE, AND EXTENDING MIN. 42" ABOVE GRADE. TRANSFORMER COORDINATE EXACT LOCATION FOR ALL BOLLARDS WITH KU. 5 ASPHALT SANITARY MANHOLE ASPHALT T/R=976.49 EXERCISE EXTREME CAUTION LAFAYET ECTRICAL 1 NV. = 968.14EXCAVATING THIS AREA - 4" PVC TELEPHONE SERVICE ENTRANCE ELEV.=981.77 PROVIDE AND INSTALL SPARE 4" CONDUIT FROM UTILITY POLE CONDUITS. ELECTRIC MANHOLE TO STORAGE ROOM THAT WILL CONTAIN NEW SERVICE DISCONNECT CONDUIT IS TO BE STUBBED UP AT POLE AND CAPPED. INSTALL T/R = 979.90200 POUND PULL STRINGIN CONDUIT. CONDUIT IS FOR FUTURE FIBER OPTIC SERVICE TO BUILDING. SANITARY MANHOLE SANITARY MANHOLE T/R=976.89 T/R = 976.18INV.=NO ACCESS 1NV. = 973.88TRANSFORMER _______ METAL SHED FINISHED FLOOR SANITARY MANHOLE T/R=977 ELEV.=976.92 **◆** T/R = 978.57SANITARY MANHOLE 1NV. = 970.84T/R = 978.871NV. = 969.14 $\dot{N}V.=973.27$ ELECTRIC - CATCH BASIN COOLING TRANSFORMER TOWER DRAIN. 25° MIN. BRICK BUILDING 300 KVA
TRANSFORMER TRANSFORMER TRANSFORMER -6" DRAIN ∠APPROXIMATE LOCATION OF EXISTING 120/208V/30 STORM MANHOL SWITCHGEAR. FIELD VERIFY PULL BOXES T/R = 979.75APPROXIMATE LOCATION OF ----1NV. = 974.4EXISTING 277/480V/3ø SWITCHGEAR. FIELD VERIFY APPROXIMATE LOCATION OF -EXISTING 120/208V/3ø SWITCHGEAR. FIELD VERIFY COVERED APPROXIMATE LOCATION OF EXISTING 120/208V/3ø SANITARY MANHOLE SWITCHGEAR. FIELD VERIFY R = 978.53\SANITARY MANHOLE 2 STORY BRICK BUILDING APPROXIMATE LOCATION OF EXISTING 277/480V/3ø INV.= FULL OF WATER T/R = 979.01SWITCHGEAR. FIELD VERIFY INV=SILTED HIGH SCHOOL Drawn CADD
Check WAT
Scale AS NOTED STORM INLET SANITARY MANHOLE T/G = 977.88T/R=978.99 4/2007 INV.=SILTED INV=SILTED Job No. **07010** ELECTRICAL SITE PLAN BG. No. 07-207 CAFETERIA & GYM RECORD DRAWINGS CORRECTED PER CONTRACTOR'S MARKED UP SET. Sheet Scale 1" = 20' SANITARY MANHOLE STORM INLET T/R=977.67 INV.=971.67 T/G=977.78 DATE: 11/5/2007 SIGNATURE: ÍNV.=SILTED S:\KTA Archives\Drawings\...\rchDwgs - Don't save to this folder!\2007\0710-AB\AB 0710E-1 dwg_8/13/2021 10:27:21 AM Blueboam PDE