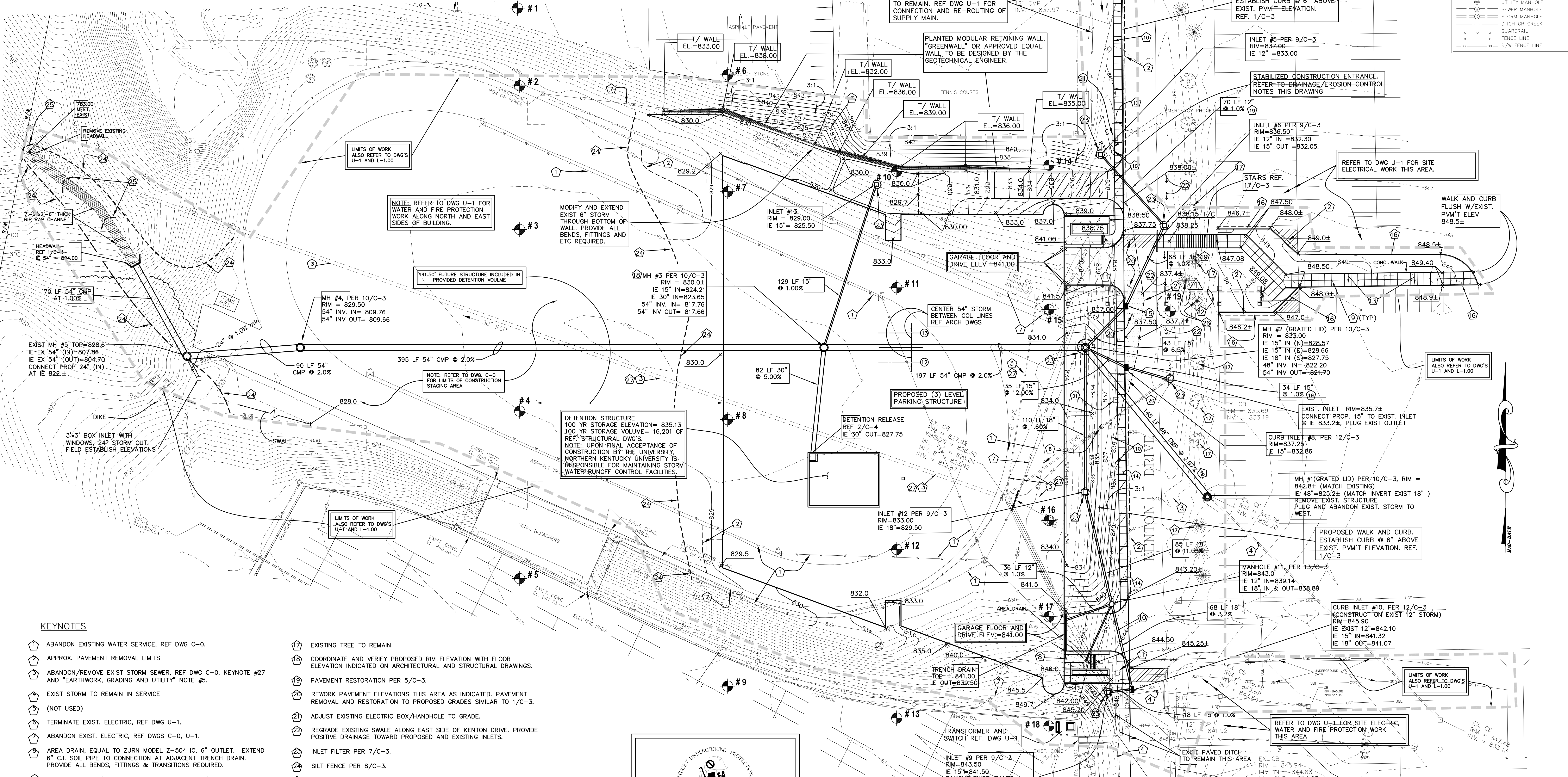


EARTHWORK, GRADING AND UTILITY NOTES:

- PERFORM ALL EARTHWORK AND EXCAVATION OPERATIONS PER THE REQUIREMENTS SET FORTH IN SPECIFICATION SECTION 02300 AND THE "GEO TECHNICAL REPORT" PREPARED FOR THIS PROJECT BY THELEN ASSOCIATES INC.
- DO NOT PLACE FILL OR CONSTRUCT IMPROVEMENTS ON SUBGRADES THAT ARE MUDDY, FROZEN OR REQUIRING ADDITIONAL COMPACTION.
- COORDINATE GRADING AND STORM SEWER WORK WITH EXISTING AND PROPOSED UTILITIES. REFER TO DRAWING U-1 FOR ADDITIONAL SITE UTILITIES.
- COORDINATE ALL WORK WITH OTHER NEW AND EXISTING UTILITIES, STORM SEWER SYSTEM. PROVIDE ALL BENDS, OFFSETS, FITTINGS AND TRANSITIONS REQUIRED DUE TO COORDINATION WHETHER INDICATED ON DWGS OR NOT.
- MAINTAIN STORM DRAINAGE THROUGH SITE AT ALL TIMES DURING CONSTRUCTION USING EXISTING AND PROPOSED STORM SEWERS. PROVIDE ANY TEMPORARY PIPING AND DITCHING REQUIRED TO MAINTAIN DRAINAGE THROUGH SITE. ALL EXISTING STORM SEWERS ABANDONED IN PLACE TO BE PLUGGED SOLIDLY WITH CONCRETE.

DRAINAGE/EROSION CONTROL NOTES:

- SOIL DISTURBING ACTIVITIES WILL INCLUDE:** CLEARING AND GRUBBING; INSTALLING A STABILIZED CONSTRUCTION ENTRANCE, PERIMETER AND OTHER EROSION/SEDIMENT CONTROL MEASURES; GRADING AS SHOWN ON THE PLANS;
- THE ORDER OF ACTIVITIES WILL BE:** INSTALL STABILIZED CONSTRUCTION ENTRANCE, CLEARING AND GRUBBING THE PROPOSED CONSTRUCTION AREA; INSTALL SILT FENCING AND STRAW BALES AS INDICATED ON THE SITE PLAN; GRADING AND CONSTRUCTION.
- TEMPORARY STABILIZATION** - TOPSOIL STOCKPILES AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR AT LEAST 21 DAYS WILL BE STABILIZED WITH TEMPORARY SEED AND MULCH NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY IN THAT AREA. THE TEMPORARY SEED SHALL BE 70% KENTUCKY 31 AND 30% PERMANENT RYE. PRIOR TO SEEDING, 2,000 POUNDS OF GROUND AGRICULTURAL LIMESTONE AND 1,000 POUNDS OF 12-12-12 FERTILIZER SHALL BE APPLIED TO EACH ACRE TO BE STABILIZED. AFTER SEEDING, EACH ACRE SHALL BE MULCHED WITH HAY, STRAW, OR OTHER NATURAL FIBER - SPREAD FOR A 75% OR GREATER GROUND COVERAGE. AREAS OF THE SITE, WHICH ARE TO BE PAVED, WILL BE TEMPORARILY STABILIZED BY APPLYING GEOTEXTILE AND STONE SUB-BASE UNTIL BITUMINOUS PAVEMENT CAN BE APPLIED.
- PERMANENT STABILIZATION** - DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASES SHALL HAVE PERMANENT LANDSCAPING INSTALLED OR BE STABILIZED WITH PERMANENT SEED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY. THE PERMANENT SEED MIX SHALL CONSIST OF 70% KENTUCKY 31 AND 30% PERMANENT RYE. PRIOR TO SEEDING, 4,000 POUNDS OF GROUND AGRICULTURAL LIMESTONE AND 2,000 POUNDS OF 10-10-10 FERTILIZER SHALL BE APPLIED TO EACH ACRE TO BE STABILIZED. AFTER SEEDING, EACH ACRE SHALL BE MULCHED WITH HAY, STRAW, OR OTHER NATURAL FIBER - SPREAD FOR A 75% OR GREATER GROUND COVERAGE. THE STRAW MULCH IS TO BE TACKED INTO PLACE BY A DISK WITH BLADES SET NEARLY STRAIGHT.
- OFFSITE VEHICLE TRAFFIC** - A STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE SHALL BE SWEEPED DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE SHALL BE COVERED WITH A TARPULIN. STABILIZED CONSTRUCTION ENTRANCE TO BE CONSTRUCTED OF 8" THICK, NO. 2 STONE OVER A GEOTEXTILE BASE, MINIMUM SIZE = 20/40.



LEGEND

—○—	OVERHEAD ELECTRIC
—□—	UNDERGROUND ELECTRIC
—○—	ELECTRIC BOX
—○—	ELECTRIC MANHOLE
—○—	ANCHOR POLE
—○—	LIGHT POLE
—○—	UTILITY POLE
—○—	GROUND LIGHT
—○—	OVERHEAD TELEPHONE
—○—	UNDERGROUND TELEPHONE
—○—	TELEPHONE BOX
—○—	TELEPHONE MANHOLE
—○—	BOLLARDS
—○—	SIGN
—○—	MAIL BOX
—○—	WATER LINE
—○—	WATER VALVE
—○—	FIRE HYDRANT
—○—	WATER METER
—○—	WATER VALVE BOX
—○—	WATER VALVE MANHOLE
—○—	POST INDICATOR VALVE
—○—	GAS LINE
—○—	GAS METER
—○—	GAS VALVE
—○—	GAS VALVE BOX
—○—	UTILITY MANHOLE
—○—	SEWER MANHOLE
—○—	STORM MANHOLE
—○—	DITCH OR CREEK
—○—	GUARDRAIL
—○—	FENCE LINE
—○—	R/W FENCE LINE

KEYNOTES

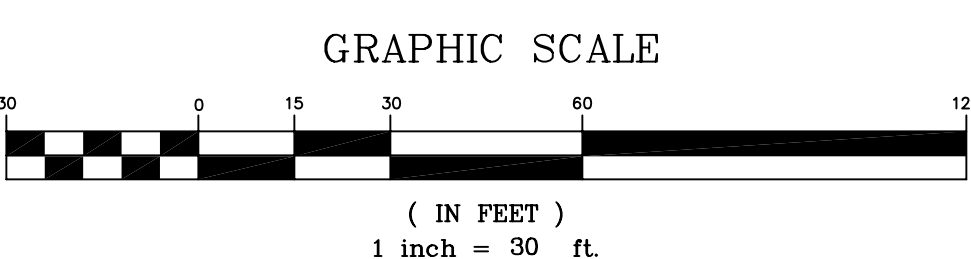
- ABANDON EXISTING WATER SERVICE, REF DWG C-0.
- APPROX. PAVEMENT REMOVAL LIMITS
- ABANDON/REMOVE EXIST STORM SEWER, REF DWG C-0, KEYNOTE #27 AND "EARTHWORK, GRADING AND UTILITY" NOTE #5.
- EXIST STORM TO REMAIN IN SERVICE
- (NOT USED)
- TERMINATE EXIST. ELECTRIC, REF DWG U-1.
- ABANDON EXIST. ELECTRIC, REF DWGS C-0, U-1.
- AREA DRAIN, EQUAL TO ZURN MODEL Z-504 IC, 6" OUTLET. EXTEND 6" C.I. SOIL PIPE TO CONNECTION AT ADJACENT TRENCH DRAIN. PROVIDE ALL BENDS, FITTINGS & TRANSITIONS REQUIRED.
- LIGHT BOLLARDS (REFER TO SITE ELECTRICAL DWGS)
- EXIST UNDERGROUND LIGHTING CIRCUIT TO REMAIN IN SERVICE. MAINTAIN AND PROTECT DURING CONSTRUCTION. REF. DWG. U-1
- EXISTING LIGHT TO BE RELOCATED. REF. DWG. U-1
- PEDESTRIAN BRIDGE (ADD ALTERNATE No 1)
- SLOPE WALK TOWARD CURB AT 1/8" / FT.
- SLOPE WALK AWAY FROM CURB AT 1/8" / FT.
- CURB INLET #7, PER 12/C-3, RIM=836.90 IE 15" IN & OUT = 831.37
- ESTABLISH CURB AT 6" ABOVE EXIST. P.W.M.T. ELEV.

- EXISTING TREE TO REMAIN.
- COORDINATE AND VERIFY PROPOSED RIM ELEVATION WITH FLOOR ELEVATION INDICATED ON ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- PAVEMENT RESTORATION PER 5/C-3.
- REWORK PAVEMENT ELEVATIONS THIS AREA AS INDICATED. PAVEMENT REMOVAL AND RESTORATION TO PROPOSED GRADES SIMILAR TO 1/C-3.
- ADJUST EXISTING ELECTRIC BOX/HANDHOLE TO GRADE.
- REGRADE EXISTING SWALE ALONG EAST SIDE OF KENTON DRIVE. PROVIDE POSITIVE DRAINAGE TOWARD PROPOSED AND EXISTING INLETS.
- INLET FILTER PER 7/C-3.
- SILT FENCE PER 8/C-3.
- DITCH CHECK PER 7/C-3.
- EXIST TREE TO REMAIN (BASE BID), EXIST TREE TO BE REMOVED (ADD ALTERNATE No 1)
- IN AREAS OF PROPOSED PIER/DRILLED SHAFT/CAISSON CONSTRUCTION, COMPLETELY REMOVE EXISTING STORM SEWERS AND/OR PLUG AND PROVIDE OTHER POSITIVE METHODS TO PREVENT CONCRETE BEING PLACED FROM ENTERING EXISTING STORM SEWERS.

1-800-752-6007

NOTE:
EXISTING UTILITIES ON AND ADJACENT TO PROJECT AREA ARE PRIVATE. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND MARKING EXISTING UTILITIES PRIOR TO AND DURING CONSTRUCTION.

RECORD DRAWING



REVISIONS	DATE	BID PACKAGE	ISSUED
1	ADDENDUM No. 2	12/29/03	
2	RECORD DWG.	4/29/06	
3			
4			
5			
6			
7			
8			

PARKING GARAGE NO. 2
NORTHERN KENTUCKY UNIVERSITY
HIGHLAND HEIGHTS, KENTUCKY

GRADING/UTILITY PLAN

COMMONWEALTH OF KENTUCKY
FINANCE AND ADMINISTRATION CABINET
DEPARTMENT FOR FACILITIES MANAGEMENT
DIVISION OF ENGINEERING
FRANKFORT, KENTUCKY

Champlin/Haupt Inc.
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Lawrenceburg, KY 40343
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DRAWING NO. **C-2**

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APPROVED FOR PROGRAM CONCEPT ONLY

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