

INDEX TO DRAWINGS

NEW SPENCER COUNTY ELEMENTARY SCHOOL EARLY SITE PACKAGE

C-0	BOUNDARY AND TOPOGRAPHIC SURVEY
C-1	SITE GENERAL NOTES
C-2	SITE DEMOLITION PLAN
C-3	SITE LAYOUT PLAN
C-4	SITE LAYOUT PLAN WITH DIMENSIONS
C-5A	SITE GRADING PLAN
C-5B	SITE ROAD PROFILES
C-6	SITE STORM DRAINAGE PLAN

NEW SPENCER COUNTY
ELEMENTARY SCHOOL

BG#15-310

EARLY SITE PACKAGE DRAWINGS
SEPTEMBER 28, 2015

SPENCER COUNTY PUBLIC SCHOOLS
TAYLORSVILLE, KENTUCKY

CHUCK ADAMS - SUPERINTENDENT
DEBBIE HERNDON - BOARD CHAIR
JANET BONHAM - VICE CHAIR
BART STARK - MEMBER
LYNN SHELburn - MEMBER
SANDY CLEVenger - MEMBER

VICINITY MAP

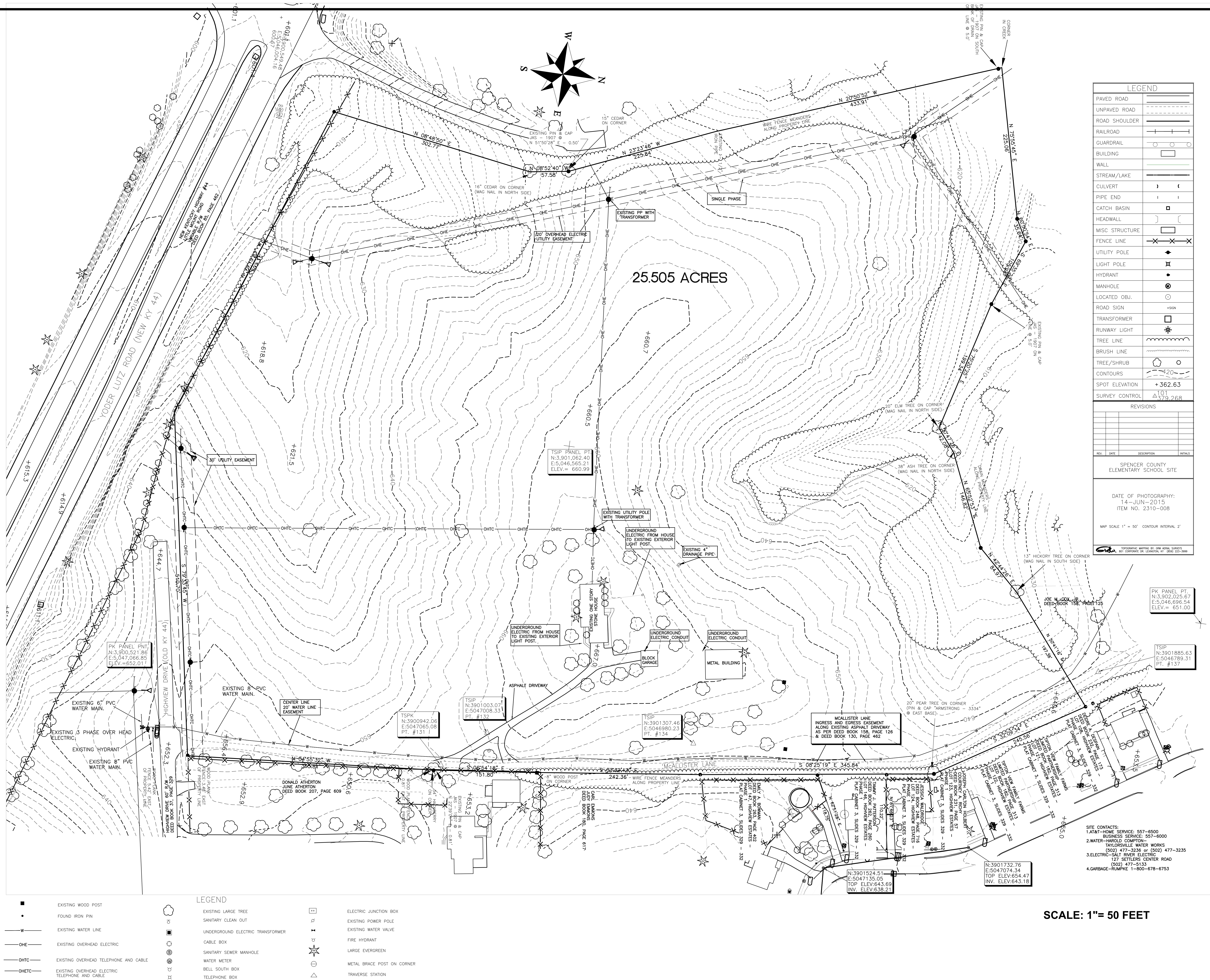


100 MALLARD CREEK ROAD, SUITE 151
LOUISVILLE, KY 40207-5133
PHONE: 502.721.6100
FAX: 502.721.6111

CIVIL ENGINEER
HAWKINS ENGINEERING
504 HIGHLAND AVE.
VINE GROVE, KY 40175
P (270) 877-8273 F (270) 877-8273

STRUCTURAL ENGINEER
SHERMAN CARTER BARNHART
101 MALLARD CREEK, SUITE 151
LOUISVILLE, KY 40207
P (502) 721-6100 F (502) 721-6111

MECHANICAL/ELECTRICAL ENGINEER
SHROUT TATE WILSON
628 WINCHESTER ROAD
LEXINGTON, KY 40505
P (859) 277-8177 F (859) 277-8372



SCALE: 1"= 50 FEET

BENCHMARKS ARE SHOWN ON VARIOUS PLANS. SHOULD THE CONTRACTOR HAVE ANY QUESTION REGARDING THE EXACT LOCATION OF ANY BENCHMARK CONSULT THE ENGINEER.

- 1) CONTRACTORS SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO ANY WORK.
- 2) ANY ROAD CLOSURES OR PLACEMENT OF TRAFFIC CONTROL DEVICES SHALL NOT OCCUR UNTIL A PLAN IS SUBMITTED TO THE OWNER AND KDOT AND APPROVAL GRANTED.
- 3) THE CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT AND RECORD DRAWINGS. THIS WORK SHALL BE COMPLETED UNDER THE DIRECTION OF A KENTUCKY LICENSED SURVEYOR. THE RECORD DRAWINGS SHALL BE VERTICAL CONTROL PROVIDED, AT ALL LOCATIONS WHERE UTILITIES CROSS, THE RECORD DRAWINGS SHALL NOTE WHICH UTILITY IS ABOVE AND BELOW AND THE VERTICAL SEPARATION.
- 4) CONTRACTOR SHALL CONSULT ARCHITECTURAL PLANS TO VERIFY BUILDING DIMENSIONS AND UTILITY SERVICE CONNECTIONS.
- 5) RECORD DRAWINGS SHALL INCLUDE ALL UNDERGROUND UTILITIES.
- 6) CONTRACTOR SHALL CONSULT AND COMPLY WITH THE GEOTECHNICAL EXPLORATION REPORT BY J. M. AMERSON ENGINEERS, INC. ET AL.
- 7) CONTRACTOR SHALL NOT ORDER OR PURCHASE ANY MATERIAL UNTIL APPROVED SUBMITTALS ARE RECEIVED FROM THE ENGINEER.
- 8) ALL EXCAVATION FOR MASS GRADING AND UTILITY CONSTRUCTION IS UNCLASSIFIED.
- 9) THE BUILDING PAD SHALL BE CONSTRUCTED WITHIN ~~XX~~ 90 DAYS OF NOTICE TO PROCEED. ALL EROSION CONTROL SHALL BE IN PLACE PRIOR TO ANY CONSTRUCTION.
- 10) ALL CONSTRUCTION TRAFFIC SHALL USE HIGHWAY GRIDE AND THE BUS ACCESS ROAD.
- 11) CONCRETE FISH-OUT AREA SHALL BE CONTAINED AS NOT TO ALLOW WASH TO LEAVE THE SITE.
- 12) CONTRACTOR TO PROVIDE 6" OF TEMPORARY STONE FOR CONSTRUCTION ACCESS ROAD AND STAGING AREA. TEMPORARY STONE SHALL BE 4" OF KY #4, 4" STONE AND CAPPED WITH 2" OF 1/2" S10 STONE. FINISH TEMPORARY STONE GRADE TO BE AT SUBGRADE OF FINAL PAVEMENT GRADE TO ALLOW FULL PAVEMENT SECTION IN FUTURE BID PACKAGE.
- 13) CONSTRUCTION ACCESS ROAD & STAGING AREA TO BE AT GRADE WITH TEMPORARY STONE 60 DAYS FROM CONSTRUCTION START DATE.
- 14) A PORTION OF BROWN GRASS TEMPORARY STONE, ALL CLEARING ON THIS SITE MUST TAKE PLACE BETWEEN OCTOBER 15TH AND APRIL 1ST UNLESS A PERMIT IS OBTAINED.

- 1) THIS SITE PREPARATION PACKAGE SHALL INCLUDE ALL WORK SHOWN ON THESE CONSTRUCTION DOCUMENTS WITH THE FOLLOWING EXCLUSIONS: FULL SECTION DEPTH OF ALL LIGHT DUTY ASPHALT PAVEMENT, HEAVY DUTY ASPHALT PAVEMENT, HEAVY DUTY CONCRETE PAVEMENT, CURBING, SIDEWALKS, GAVEMENT STRIPING, FENCING, STORM SEWER SERVICE LINES, SANITARY SEWER SERVICE LINES AND GRAPE TRAP, FIRE AND DOMESTIC WATER VAULTS AND SERVICE TO BUILDING.
- 2) THIS SITE PREPARATION PACKAGE WILL INCLUDE PREPARATION OF STORM SEWER, SANITARY SEWER, AND WATER LINE STRUCTURES FOR FUTURE CONNECTION TO SERVICE LINES SERVING THE NEW IRVINGTON ELEMENTARY SCHOOL.
- 3) LIMITS OF CONSTRUCTION OF THE VARIOUS UTILITIES ARE SHOWN ON SHEETS: STORM SEWER, C-6; SANITARY SEWER, C-8; WATER LINE, C-9.
- 4) ANY WORK INCLUDED IN THIS PREPARATION BID PACKAGE THAT IS DAMAGED OR DESTROYED BY WORK PERFORMED AS PART OF A FUTURE BID PACKAGE SHALL BE THE RESPONSIBILITY OF THE FUTURE BID PACKAGE CONTRACTOR.

- 2) PRIOR TO MASS GRADING THE EROSION CONTROL PLAN SHALL BE IMPLEMENTED.
- 3) CONTRACTOR IS RESPONSIBLE FOR ALL EROSION CONTROL.
- 4) THE OWNER SHALL BE RESPONSIBLE FOR TESTING ALL COMPACTED FILLS.
- 5) THE CONTRACTOR SHALL PROVIDE ROLL AS REQUESTED AND COOPERATE WITH THE TESTING.
- 6) ANY RE-TESTING OF FILLED AREAS SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- 7) THE BUILDING SHALL BE CONSIDERED TO BE 10 FEET OUTSIDE THE OUTER EDGE OF BUILDING FOUNDATION. THE COMPACTON SHALL BE AS STATED IN THE SOILS REPORT.
- 8) LIFTS IN FILL AREAS SHALL NOT EXCEED 8 INCHES.
- 9) SHOULD ANY CONTRACTOR ELECT TO BACKFILL UTILITIES WITH SELECTED EARTH, THE COMPACTON STANDARDS SHALL BE AS STATED ABOVE. THE FREQUENCY IS STATED IN THE SPECIFICATIONS.
- 10) CONTRACTOR SHALL PROVIDE SLOPE PREVENTION FOR FUELING EQUIPMENT AS WELL AS CONTROLLING OIL AND GREASE SPILLAGE. ON SITE FUEL STORAGE SHALL HAVE SECOND CONTAINMENT. PROVIDE EARTH BERMS SURROUNDING EQUIPMENT MAINTENANCE, REPAIR, AND FUELING AREA.
- 11) CONSULT SOILS REPORT TO DETERMINE THE TYPE OF MATERIAL TO BE ENCOUNTERED.
- 12) THERE SHALL BE NO ADDITIONAL PAYMENT FOR SPECIAL CARE OF SOIL WHEN DISCLOSED IN THE SOILS REPORT.
- 13) SEE SOILS REPORT FOR ANTICIPATED TOPSOIL STRIPPING DEPTH.
- 14) TOPSOIL REPLACEMENT SHALL BE 8" FOR LAWN AREAS AND 12" FOR LANDSCAPE BEDS.
- 15) ONCE THE CONTRACTOR BEGINS PLACING SOIL, HE ACCEPTS THE GRADE
- 16) AND THE STABILITY OF THE SLOPE.
- 17) ALL VOIDS BELOW FINISHED GRADE THAT ARE CREATED BY THE DEMOLITION PROCESS SHALL BE REFILLED WITH SELECT COMPACTED SOIL.

- 1) 6" STEEL POST LOCATOR TO BE PLACED AT THE END OF THE SERVICE LINE AND THE POST IS TO BE DRIVEN 3' ABOVE THE NEW GRADE AND PAINTED BLUE.
- 2) ALL WATER LINES IN PAVED AREAS TO BE COVERED WITH 12" SELECTED EARTH BACKFILL THEN THE REMAINDER TO THE SUBGRADE SHALL BE FULL DEPTH STONE OR SELECTED EARTH.
- 3) DOMESTIC SERVICE TO BE TYPE K COPPER, OR AS SPECIFIED ON THE PLANS.
- 4) ALL WATER MAINS SHALL BE C900 DR-18.
- 5) ALL FITTINGS TO BE DUCTILE IRON. (250 PSI)
- 6) WATER LINES ARE TO HAVE A 36" MINIMUM COVER.
- 7) CONTRACTOR SHALL PLACE A COAT OF PAINT AT THE END OF EACH SERVICE LEAD AND PROVIDE THE ENGINEER WITH 2 DETAILED RECORD DRAWINGS FOR LOCATING SERVICES (HORIZONTAL AND VERTICAL). MYLAR RECORD DRAWINGS AND ELECTRONIC FILE PREPARED BY A KENTUCKY REGISTERED LAND SURVEYOR ARE REQUIRED FOR FINAL PAYMENT.
- 8) CONTRACTOR SHALL INCREASE COVER AS REQUIRED TO AVOID CONFLICT WITH SANITARY AND STORM SEWERS AND OTHER UTILITIES.
- 9) HYDRANTS TO BE LOCATED AS SHOWN. KENNEDY MODEL K-81-D OR EQUAL.
- 10) THE VALVE FOR THE FIRE HYDRANTS SHALL BE LOCATED NO CLOSER THAN 24" TO THE CURB, BUT IN NO CASE WITHIN ANY PAVED SURFACE.
- 11) CONTRACTOR SHALL FULLY COMPLY WITH ALL LOCAL, STATE, AND FEDERAL SAFETY REGULATIONS GOVERNING UTILITY CONSTRUCTION.
- 12) CONTRACTOR SHALL COMPLY WITH ALL CITY OF TAYLORSVILLE WATER AND SEWER STANDARD SPECIFICATIONS GOVERNING WATERLINE INSTALLATION.
- 13) ALL WATER MAINS SHALL BE DISINFECTED WITH A CHLORINE SOLUTION IN SUCH AMOUNTS AS TO PRODUCE A CONCENTRATION OF AT LEAST 50 ppm AND A RESIDUAL OF AT LEAST 25 ppm AT THE END OF A 24 HOUR PERIOD AND FOLLOWED BY FLUSHING THE LINE.
- 14) ALL WATER MAINS SHALL BE HYDROSTATICALLY PRESSURE TESTED TO 250% OF THE NORMAL SYSTEM OPERATING PRESSURE OR 150% OF THE RATED WORKING PRESSURE OF THE INSTALLED WATER MAIN, WHICH EVER IS GREATER.
- 15) ALL NEW WATER MAINS SHALL BE INSTALLED AND TESTED PRIOR TO SCHEDULING THE CONNECTION TO THE EXISTING SYSTEM.
- 16) WHEN USING PVC PIPING, CONTRACTOR SHALL PLACE A NO. 12 GAUGE COPPER WIRE ALONG THE TOP OF THE WATERLINE FOR IDENTIFICATION. TRACER WIRE SHALL BE SECURED TO THE TOP OF THE PIPE BY DUCT TAPE, SPACED 4' O.C. THE WIRE IS TO EXTEND TO THE SURFACE AT VALVES AND FIRE HYDRANTS.
- 17) CONTRACTOR SHALL INSTALL 3" WIDE METALLIC UTILITY DETECTION WARNING TAPE, MANUFACTURED BY SETON ((877)-627-9264) OR EQUAL, INSTALLED 1 FOOT BELOW FINISHED GRADE FOR ALL MAIN LINES AND SERVICE LINES. TAPE SHALL BE BLUE AND READ "CAUTION BURIED WATER LINE BELOW".

- 1) CONTRACTOR SHALL RING ALL STORM INLETS AS SPECIFIED ON THE EROSION CONTROL DETAIL SHEET.
- 2) WHEN SLOPES SUCH AS DETENTION WALLS ARE CONSTRUCTED THE CONTRACTOR SHALL PLACE SILT FENCING AT THE TOE AND SEED AS SPECIFIED. IF THE FINAL SEEDING WILL BE DAMAGED PRIOR TO PROJECT COMPLETION THEN THE CONTRACTOR SHALL COVER WITH RYE AND MAINTAIN UNTIL PERMANENT SEEDING IS PRACTICAL, AND IS NO LONGER IN DANGER OF DAMAGE DUE TO OTHER CONSTRUCTION PHASES.
- 3) ALL CONTRACTORS ON SITE ARE RESPONSIBLE FOR ANY EROSION OR ENVIRONMENTAL CONCERNS THEY CREATE. THE EARTH CONTRACTOR IS RESPONSIBLE FOR EROSION CONTROL DEVICES AS PART OF THEIR CONTRACT.
- 4) CONTRACTOR SHALL INSPECT & REPAIR ALL EROSION CONTROL DEVICES AFTER EVERY RAIN EVENT.
- 5) ALL SEEDED SLOPED AREAS SHALL BE BLANKETED BY LANDLOCK CS2 EROSION CONTROL, BLANKETS OR EQUAL, IN LIEU OF STRAW. THESE BLANKETS CONSIST OF 70% WHEAT STRAW AND 30% MATTRESS GRADE COCONUT FIBER MECHANICALLY BOUNDED AND COVERED ON BOTH SIDES BY NETTING.
- 6) ANY DISTURBED AREA WHICH IS NOT TO BE WORKED FOR 21 CONSECUTIVE DAYS, SHALL RECEIVE TEMPORARY SEEDING.
- 7) AREAS THAT ARE TO RECEIVE RIP-RAP SHALL BE INSTALLED ON DENITT WEED BARRIER FABRIC (A1.02) OR EQUAL.
- 8) CONTRACTOR SHALL SUBMIT A BMP FOR EROSION CONTROL TO THE ENGINEER FOR APPROVAL. AFTER APPROVAL, CONTRACTOR SHALL IMPLEMENT AND KEEP A COPY OF THE BMP ON SITE.
- 9) ALL AREAS OF THIS SITE NOT DISTURBED BY NEW CONSTRUCTION SHALL BE SPRAYED FOR WEEDS, TILLED, FINE-GRADED, SEEDED AND RE-VEGETATED PER THE PERMANENT SEED SPECIFICATIONS TO CREATE A SMOOTH LAWN AREA. ADDITIONAL SEEDING AND SODDING DETAILS CAN BE FOUND IN THE SPECIFICATIONS IN SECTION 02330, AND ON THE EROSION CONTROL DETAIL SHEET.
- 10) ALL AREAS TO BE SODDED ARE SHOWN ON THE SITE RESTORATION PLAN.
- 11) ALL EROSION CONTROL DEVICES SHALL ONLY BE REMOVED ONCE ALL CONSTRUCTION, INCLUDING BUILDING, IS COMPLETE AND THE AREA IT PROTECTS IS RE-VEGETATED.

- 1) ALL OPEN TRENCHES SHALL BE FILLED AT THE END OF EACH WORK DAY. IF A TRENCH MUST BE LEFT OPEN, IT SHALL HAVE THE MACHINERY SET ACROSS THE DITCH AND SHALL BE SURROUNDED WITH SAFETY FENCING. THIS OPERATION SHALL BE FOLLOWED AT THE END OF EACH WORK DAY THROUGHOUT THE PROJECT.
- 2) ALL MACHINERY SHALL BE LOCATED AS FAR AWAY AS POSSIBLE FROM PUBLIC TRAFFIC AT THE END OF EACH WORK DAY.
- 3) BLASTING IS NOT ANTICIPATED ON THIS PROJECT. IF ROCK IS ENCOUNTERED THAT REQUIRES BLASTING, A BLASTING PLAN MUST BE SUBMITTED AND APPROVED.
- 4) IF TRUCKS BEGIN TO TRACK MUD INTO HIGHWAY DRIVE, THE CONTRACTOR SHALL IMMEDIATELY PROVIDE ADDITIONAL ROCK AT THE ENTRANCE AND PROVIDE A WASHING STATION FOR THE TRUCKS TO BE CLEANED PRIOR TO ENTERING THE RIGHT OF WAY.
- 5) IMMEDIATELY AFTER THE INSTALLATION OF A DRAINAGE OR SANITARY SEWER STRUCTURE, THE CONTRACTOR SHALL SET ALL BARRELS ON TOP AND PLACE CASTING OVER STRUCTURE. IF CASTING IS NOT SUPPLIED, THE CONTRACTOR SHALL PLACE A PIECE OF FLYWOOD OVER HOLE AND SET CASTING ON TOP OF WOOD.
- 6) THE CONTRACTOR SHALL PROVIDE FENCING AT ANY LOCATION WHERE CONSTRUCTION MANDATES A TRENCH OR OTHER HOLE REMAIN OPEN OVER NIGHT.

- 1) THE SITE CONTRACTOR SHALL CLEAN ALL STORM INLETS AND PIPING FROM MUD AND DEBRIS PRIOR TO ASPHALT BEING PLACED.
- 2) ALL GRATES SHALL BE SECURED SO NOT TO ROCK WHEN VEHICLES PASS OVER THEM.
- 3) FRAME AND LIDS SHALL BE TILTED TO MATCH PAVEMENT GRADE UNLESS INLET IS TO RECEIVE STREET WATER.
- 4) THE ENGINEER MAY REQUIRE A CONCRETE COLLAR WHEN THE DROP INLET WALL BETWEEN PIPES BECOMES SMALL AND UNABLE TO SUPPORT HEAVY TRAFFIC.
- 5) CONTRACTOR SHALL PROVIDE THE ENGINEER WITH 2 DETAILED RECORD DRAWINGS FOR LOCATING THE STORM DRAINAGE (HORIZONTAL AND VERTICAL). MYLAR RECORD DRAWINGS & ELECTRONIC FILE PREPARED BY A KENTUCKY REGISTERED LAND SURVEYOR ARE REQUIRED FOR FINAL PAYMENT.
- 6) PROVIDE STEEL BARS AT ALL HEADWALL OUTLETS FOR SAFETY. INSTALLATION SHALL ALLOW REMOVAL BY MAINTENANCE PERSONNEL ONLY.
- 7) ALL STORM DRAINAGE PIPING WITH A DEPTH OF COVER OF 15' OR GREATER TO THE FLOW LINE SHALL BE CLASS IV AND BEDDED FROM 6" BELOW THE BELL OF THE PIPE TO 12" ABOVE THE PIPE. ALL OTHER BEDDED CONCRETE STORM DRAINAGE PIPE SHALL BE CLASS III PIPE AND BEDDED TO THE TOP OF THE PIPE.
- 8) WHERE THE DRAINAGE STRUCTURES EXCEED 6" IN DEPTH AND THE PIPE SIZES AND ALIGNMENT REQUIRES THE BASE TO BE GREATER THAN A 4" BARREL, THE CONTRACTOR CAN PROVIDE A SMOKE STACK STRUCTURE. THE STACK SHALL HAVE DIMENSIONS LARGE ENOUGH FOR ENTRY AND MAINTENANCE. THE STACK SHALL ALIGN WITH THE BASE SO THE STEPS WILL LEAD TO THE WAY TO THE FLOOR OF THE STRUCTURE. THE ENGINEER SHALL APPROVE STACK STRUCTURES.
- 9) ALL PIPING FOR STORM, LESS THAN 15", SHALL BE SMOOTH INTERIOR WALL BLACK PLASTIC PIPE (N-12). THE CONTRACTOR SHALL BACKFILL PER MANUFACTURERS RECOMMENDATION. USE EXTREME CARE TRAVELING OVER NEW PIPE WHERE DEPTH TO FLOW LINE IS LESS THAN 48". ALL DRAINAGE PIPING SHALL BE N-12 UNLESS SHOWN AS RCP.
- 10) ALL LEADS TO DOWNSPOUT LOCATIONS SHALL BE N-12 PIPING. THE SITE CONTRACTOR SHALL EXTEND TO BUILDING WALL AND TURN UP WITH CAST IRON FITTINGS AND EXTEND TO A POINT 18" ABOVE FINISHED GRADE BY MEANS OF J.R. HOE CAST IRON BOOT #A-6636C OR EQUAL, PRIME AND FIELD PAINT. COLOR AND FINISH SHALL BE COORDINATED WITH THE ARCHITECT.
- 11) LEADS TO SERVE A SINGLE 5" X 5" DOWNSPOUT SHALL BE 6" N-12 PIPING.
- 12) CONTRACTOR SHALL CONSULT ARCHITECTURAL PLANS TO VERIFY EXACT LOCATIONS FOR DOWNSPOUTS AND ALL UTILITY SERVICE LOCATIONS, DOCKS, HANDICAP, RAMPS, ETC.,
- 13) ALL CURB INLET CASTING SHALL BE STAMPED "DUMP NO WASTE" AND THE FISH IMAGE.
- 14) THE CONTRACTOR SHALL INSTALL ALL STORM DRAINAGE CLEANOUTS SHOWN ON THE DRAINAGE PLAN. CLEANOUTS SHALL BE JAY R. SMITH 4237 SERIES OR EQUAL WITH VANDAL PROOF CENTER SECURING SCREW FOR 2 1/2" O.D. SIZE 6" AND 8" CLEANOUTS SHALL BE JAY R. SMITH 4237 OR EQUAL WITH THE SAME CENTER SCREW. TOP TO BE STAMPED "STORM".
- 15) CONTRACTOR SHALL INSTALL A 3" ZINC METALLIC UTILITY DETECTION WARNING TAPE, MANUFACTURED BY SETON ((877)-627-9264) OR EQUAL, 1 FOOT BELOW FINISHED GRADE FOR ALL LINES. TAPE SHALL BE ORANGE AND READ "CAUTION BURIED STORM LINE BELOW".

THE FOLLOWING CONSTRUCTION NOTES OVERRIDE AND SUPERSEDE PLANS AND SPECIFICATIONS.

- 1) WHEN INSTALLING GRAVITY SEWER MAINS FROM 0' UP TO 8' OF DEPTH, THE MATERIAL SHALL BE SDR 26 WITH THE BEDDING STONE EXTENDING TO 12" OVER THE PIPE.
- 2) WHEN INSTALLING GRAVITY SEWER MAINS AND THE DEPTH IS GREATER THAN 8.01' BUT LESS THAN 12', THE MATERIAL SHALL BE SDR 26 WITH THE BEDDING STONE EXTENDING TO 24" OVER THE PIPE.
- 3) WHEN INSTALLING GRAVITY SEWER MAINS AND THE DEPTH EXCEEDS 12.01', THE MATERIAL SHALL BE SDR 26 WITH THE BEDDING STONE EXTENDING TO 24" OVER THE PIPE UNLESS DUCTILE IRON PIPE IS SPECIFIED ON PLANS AND PROFILE.
- 4) IF AT ANY TIME A GRAVITY SEWER MAIN IS LAID IN A SOLID ROCK CUT, THE BEDDING STONE SHALL EXTEND TO 24" OVER THE TOP OF THE PIPE REGARDLESS OF THE DEPTH.
- 5) ALL SERVICE LINES SHALL BE 4" SDR 26 UNLESS SHOWN OTHERWISE.
- 6) ROCK EXCAVATION SHALL BE A MINIMUM 12" BELOW INVERT. THE WIDTH SHALL BE THE MAXIMUM BELL O.D. + 24" TO THE TOP OF ROCK.
- 7) CONTRACTOR SHALL COMPLY WITH FEDERAL, STATE AND LOCAL SAFETY REGULATIONS.
- 8) ALL CONSTRUCTION AND MATERIAL SHALL FULLY COMPLY WITH THE DETAILS & SPECIFICATIONS.
- 9) ALL STREET CROSSINGS SHALL BE FULL DEPTH STONE BACKFILL OR COMPACTED SETTLED EARTH.
- 10) ALL PIPING SHALL BE SDR-26 UNLESS OTHERWISE SHOWN.
- 11) CONTRACTOR SHALL PLACE A LOCATOR AT THE END OF EACH SERVICE LEAD AND PROVIDE THE LOCATOR WITH 2 DETECTOR BACKLOG DRAWINGS FOR LOCATING SERVICES (HORIZONTAL AND VERTICAL). MYLAR AND ELECTRONIC FILE RECORD DRAWINGS PREPARED BY A KENTUCKY REGISTERED LAND SURVEYOR ARE REQUIRED FOR FINAL PAYMENT.
- 12) SERVICES SHALL BE SIZE INDICATED.
- 13) SERVICES SHALL BE Laid AT 1.0% MINIMUM GRADE. LEADS TO AND FROM GREASE TRAPS, OIL-WATER SEPARATORS OR ANY TYPE SEPARATOR SHALL BE LAID AT THE NECESSARY SLOPE TO ENSURE 12" MINIMUM COVER, BUT IN NO CASE GREATER THAN 24" EARTH COVER OVER THE TOP OF THE PIPE OR SEPARATOR.
- 14) ALL SEWERS SHALL BE SMOKE TESTED AND LOW PRESSURE AIR TESTED. A DEFLECTION TEST SHALL BE PERFORMED ON ALL FLEXIBLE PIPE. THE TEST SHALL BE CONDUCTED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 30 DAYS. NO PIPE SHALL EXCEED A DEFLECTION OF 5%: IF THE DEFLECTION TEST IS TO BE COMPLETED USING A RIGID BALL OR SHAFT, IT SHALL HAVE A DIAMETER EQUAL TO 50% OF THE INSIDE DIAMETER OF THE PIPE. THE TEST SHALL BE PERFORMED WITHOUT MECHANICAL PULLING DEVICES.
- 15) CONTRACTOR SHALL PROVIDE 4" RETURN VENT BACK TO THE BUILDING FOR VENTING THROUGH THE ROOF FOR ALL GREASE TRAPS, SEPARATORS, AND DILUTION TANKS.
- 16) CONTRACTOR SHALL INSTALL 3" WIDE METALLIC UTILITY DETECTION WARNING TAPE, MANUFACTURED BY SETON ((877)-822-9264) OR EQUAL, INSTALLED 1' FOOT BELOW FINISHED GRADE FOR ALL MAIN LINES AND SERVICE LINES. TAPE SHALL BE GREEN AND READ "CAUTION BURIED SEWER LINE BELOW".
- 17) PROVIDE CHIMNEY SEALS FOR ALL NEW SANITARY MANHOLES, AS MANUFACTURED BY CRETEX OR EQUAL.
- 18) ALL NEW MANHOLES SHALL BE VACUUM TESTED.

- 1) UNLESS OTHERWISE SPECIFIED, EXTERIOR CONCRETE SHALL BE BROOM FINISHED PERPENDICULAR TO THE DIRECTION OF TRAFFIC.
- 2) ALL EXTERIOR CONCRETE SHALL BE 4000 PSI EXCEPT FOR FENCE ANCHORS WHICH SHALL BE 3500 PSI.
- 3) ALL FINISHES AND SCORING FOR HANDICAP RAMPS AND CURB CUTS SHALL FULLY COMPLY WITH ADA. INDICATED DOTS ARE TO BE USED WHERE A HANDICAP RAMP MEETS A DRIVE LANE OR A PARKING LOT. COORDINATE THE COLOR OF THE DOMES WITH THE OWNER.
- 4) PLACE EXPANSION JOINTS AND TOOLED CONNECTION JOINTS AS EXPLAINED IN THE SPECIFICATIONS.
- 5) CONCRETE PAD ADJACENT TO DUMPSTER AND LOADING DOCK SHALL BE HEAVY DUTY CONCRETE.
- 6) ONCE THE CONTRACTOR BEGINS PLACING STONE HE ACCEPTS THE GRADE AND THE STABILITY OF THE SUBGRADE.
- 7) ALL DIMENSIONS ARE TO EDGE OF ASPHALT UNLESS OTHERWISE INDICATED.
- 8) ALL STRIPING AND SIGNAGE SHALL COMPLY WITH DETAILS. SIGN SIZE SHALL COMPLY WITH STANDARD HIGHWAY SIGNS AS PUBLISHED BY THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- 9) PARKING SPACES TO BE 10' x 20' (4" WHITE STRIPING) EXCEPT FOR HANDICAP WHICH SHALL BE 13' x 20' AND HANDICAP VAN ACCESSIBLE WHICH SHALL BE 16' x 20' AND PAINTED BLUE.
- 10) ALL NEW UTILITIES AND CROSSINGS LOCATED UNDER A PAVED SURFACE, CURBING OR SIDEWALK SHALL BE FILLED WITH COMPACTED DGA.
- 11) THE CONTRACTOR SHALL BE REQUIRED TO PLACE 6" OF TEMPORARY STONE ON CONSTRUCTION ACCESS ROAD AND STAGING AREA. TEMPORARY STONE SHALL BE 4" OF KY NO. 4 STONE AND CAPPED WITH 2" OF KY NO. 610 STONE. FINISHED TEMPORARY STONE GRADE SHALL BE AT SUBGRADE OF FINAL PAVEMENT GRADE TO ALLOW FILL PAVEMENT SECTION TO BE COMPLETED IN FUTURE BID PACKAGE.
- 12) ALL STRIPING SHALL BE REFACTORIZED HIGHWAY PAINT. ALL STRIPING SHALL BE STRIPED TWICE. SECOND STRIPING SHALL OCCUR 90 DAYS (OR LONGER IF REQUESTED) AFTER INITIAL STRIPING.
- 13) ALL STRIPING TO BE 4" WIDE UNLESS NOTED OTHERWISE.
- 14) ALL PAVEMENT SMOOTHNESS SHALL OCCUR TWICE. FIRST TIME FOR CONSTRUCTION AND THE SECOND TIME TO OBTAIN STRAIGHT LINE PATCHING. IRREGULAR EDGES WILL NOT BE ACCEPTED.
- 15) THERE SHALL BE NO ABRUPT CHANGE IN THE VERTICAL ALIGNMENT OF CURB AND GUTTER OR SIDEWALKS. CONTRACTOR SHALL PROVIDE 50' VERTICAL CURVES AT ALL HIGH AND LOW POINTS.

- 1) NON-PRIME MATERIAL SHALL NOT BE USED.
- 2) LINE POST SIZE: TO 6 FOOT---2", SS40
8-12'---- 2 1/2", SS40
OVER 12'-3", SS40
- 3) TERMINAL, PULL, AND GATE POST: TO 6'----- 3", SS40
8'-12'----- 3", SS40
OVER 12'-4" SCHEDULE 40
- 4) CONCRETE ANCHOR: A) ALL LINE POST TO BE 12" DIA.
B) ALL TERMINAL ETC.. TO BE 16" DIA.
C) DEPTH TO BE AS FOLLOWS:
1) TO 8' HIGH= 36"
2) 10' HIGH= 40"
3) OVER 10' HIGH= 48"
- 5) FABRIC: ALL FABRIC TO BE 9 GAUGE, 0.40 OUNCE ALUMINIZED,
BOTTOM OF FABRIC TO BE PLACED 2 INCHES ABOVE DIRT
GRADE, COORDINATE WITH ENGINEER AS TO SIDE OF POST TO
PLACE FABRIC. ROUGH FINISH SHALL BE PLACED FACING
POST.
- 6) SELVAGE: ALL FENCING TO BE K & K, EXCEPT PERMETER FENCE
SHALL BE K & T WITH KNUCKLE TO GROUND.
- 7) TENSION: WIRE TO BE 7 MINIMIZED WAY WIRE.
- 8) TIES: SHALL BE 1/4 ALUMINIZED WIRE.
- 9) RAILS: TOP, INTERMEDIATE, AND BOTTOM RAILS TO BE 1 5/8", SS40.
LOOP CAP: TO BE SEMI-STEEL.
- 10) CAP: USE ACOERN STYLE ALUMINUM POST CAP FOR ALL POST EXCEPT 4" POST AND
LARGER THE DOME STYLE MAY BE USED.
- 12) TENSION BAND AND BRACE BAND: SHALL BE STANDARD GALV. PRESSED STEEL.
- 13) RAIL CAPS: SHALL BE SEMI-STEEL GALVANIZED.
- 14) HORIZONTAL AND TRUSS ROD BRACING: SHALL BE PLACED AT CORNERS ENDS, AND EVERY
300' FOR STRAIGHT RUNS.
- 15) ALL GATES SHALL HAVE A KEEPER. KEEPER SHALL BE HOLDBACK DUCKBILL, HEAVY DUTY.
- 16) HINGES: SHALL BE 180 DEGREE, GALVANIZED MALLEABLE.
- 17) GATE FRAMES: SHALL BE ALL WELDED CONNECTIONS USING 2", SS40.
- 18) SEE PLAN SHEETS FOR FENCE AND GATE LOCATIONS.

THESE STANDARD SYMBOLS WILL BE USED
IN ALL INCLUDED CIVIL ENGINEERING DRAWINGS

- - Set Steel Stake 18" #4 Rebar with Plastic Cap Stamped DABNEY 331 Unless Otherwise Noted
- - Steel Stake monument found
- - Steel Stake monument found with Plastic Cap Stamped MILLER
- - Meander Point Along Hay R/W
- - Steel Stake Witness Monument; see

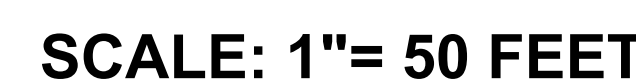
-  — UTILITY POLE
 — PROPOSED STORM SEWER CLEANOUT
 — JR HISE A-5532C CAST IRON ROOF
 — CONTROL MONUMENT
 — SANITARY SEWER MANHOLE
 — WATER METER
 — DO NOT ENTER SIGN
 — STOP SIGN (SEE DETAILS)
 — 18" STOP BAR AND STOP PAINTED ON PAVEMENT SURFACE WITH WHITE REFLECTIVE PAINT
 — PROPOSED BOLLARD WITH VINYL SLEEVE
 — PROPOSED 2-WAY SEWER CLEANOUT
 — PROPOSED CURB INLET
 — PROPOSED CATCH BASIN
 — CASE #2 REFLECTOR SIGN
 — HATCHED AREA = LIGHT DUTY PAVEMENT
 — PROPOSED STORM JUNCTION BOX
 — TRUNCATED DOME
 — INLET PROTECTION (SEE DETAILS)
 — STONE CHECK (SEE DETAILS)
 — FIRE HYDRANT AND VALVE ASSEMBLY
 — GATE VALVE
 — PROPOSED SPOT ELEVATION
 — TOP OF CURB ELEVATION
 BOTTOM OF GUTTER INTERSECTION
 N: XXXXXXXX
 E: XXXXXXXX — COORDINATES FOR LOCATION OF NE CORNER
 W ————— W ————— = WATER LINE - EXISTING
 CHU ————— CHU ————— = OPENING UTILITY LINE
 OHE ————— OHE ————— = DESTING ON ELECTRICAL LINE
 ———— 8" V ———— 8" V ———— = PROPOSED 8" WATER MAIN
 —SAN — SAN — SAN — SAN — SAN — SAN — PROPOSED SANITARY SEWER
 G ————— G ————— = BURIED GAS LINE
 ———— □ ———— □ ———— = GUARDRAIL
 ———— E ———— E ———— = UNDERGROUND ELECTRICAL
 ———— □ ———— □ ———— = PROPOSED TYPE III CATCH BASIN
 F.D. ————— F.D. ————— = PROPOSED FRENCH DRAIN

C-0	BOUNDARY AND TOPOGRAPHIC SURVEY
C-1	SITE GENERAL NOTES
C-2	SITE DEMOLITION PLAN
C-3	SITE LAYOUT PLAN
C-4	SITE LAYOUT PLAN WITH DIMENSIONS
C-5A	SITE GRADING PLAN
C-5B	SITE ROAD PROFILES
C-6	SITE STORM DRAINAGE PLAN
C-7	SITE PAVING AND TRAFFIC CONTROL PLAN
C-8	SITE SANITARY SEWER PLAN
C-9	SITE WATER LINE PLAN
C-10	SITE EROSION CONTROL PLAN
C-10A	SITE RESTORATION PLAN
C-11	SITE STORM DRAINAGE DETAILS
C-12	SITE SANITARY SEWER DETAILS
C-13	SITE WATER LINE DETAILS
C-14	SITE PAVING AND TRAFFIC CONTROL DETAILS
C-15	SITE EROSION CONTROL DETAILS

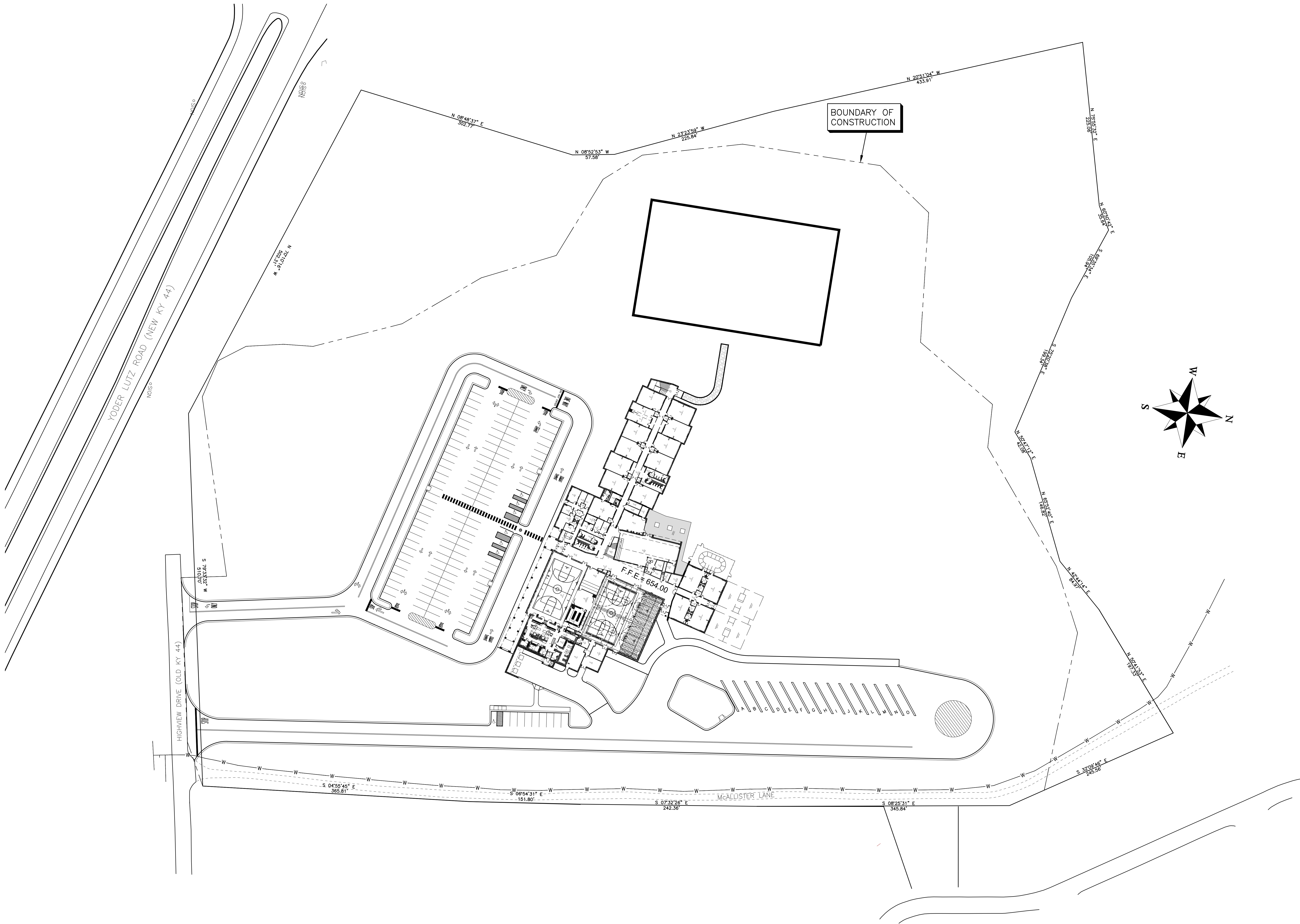
[illegible]

SHEET

C-1

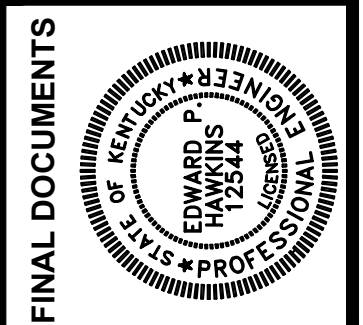


U:\s\000009\WORK\SHERMAN-CARTER\SPENCER COUNTY\DESIGN\3 SITE LAYOUT PLAN.dwg
Date: 09/28/2015 15:56:00
User: jh
Sheet Layout: C-3



SCALE: 1"= 50 FEET

SHERMAN
CARTER
BARNHART
ARCHITECTS



HAWKINS ENGINEERING
504 HIGHLAND AVE.
VINE GROVE, KY 40175
(270) 877-8273



NEW SPENCER COUNTY
ELEMENTARY SCHOOL
SITE PREPARATION PACKAGE
SPENCER COUNTY PUBLIC SCHOOLS

SITE LAYOUT PLAN

JOB NO.	1257
DATE	09/28/2015
DRAWN	TWS
CHECKED	EPH

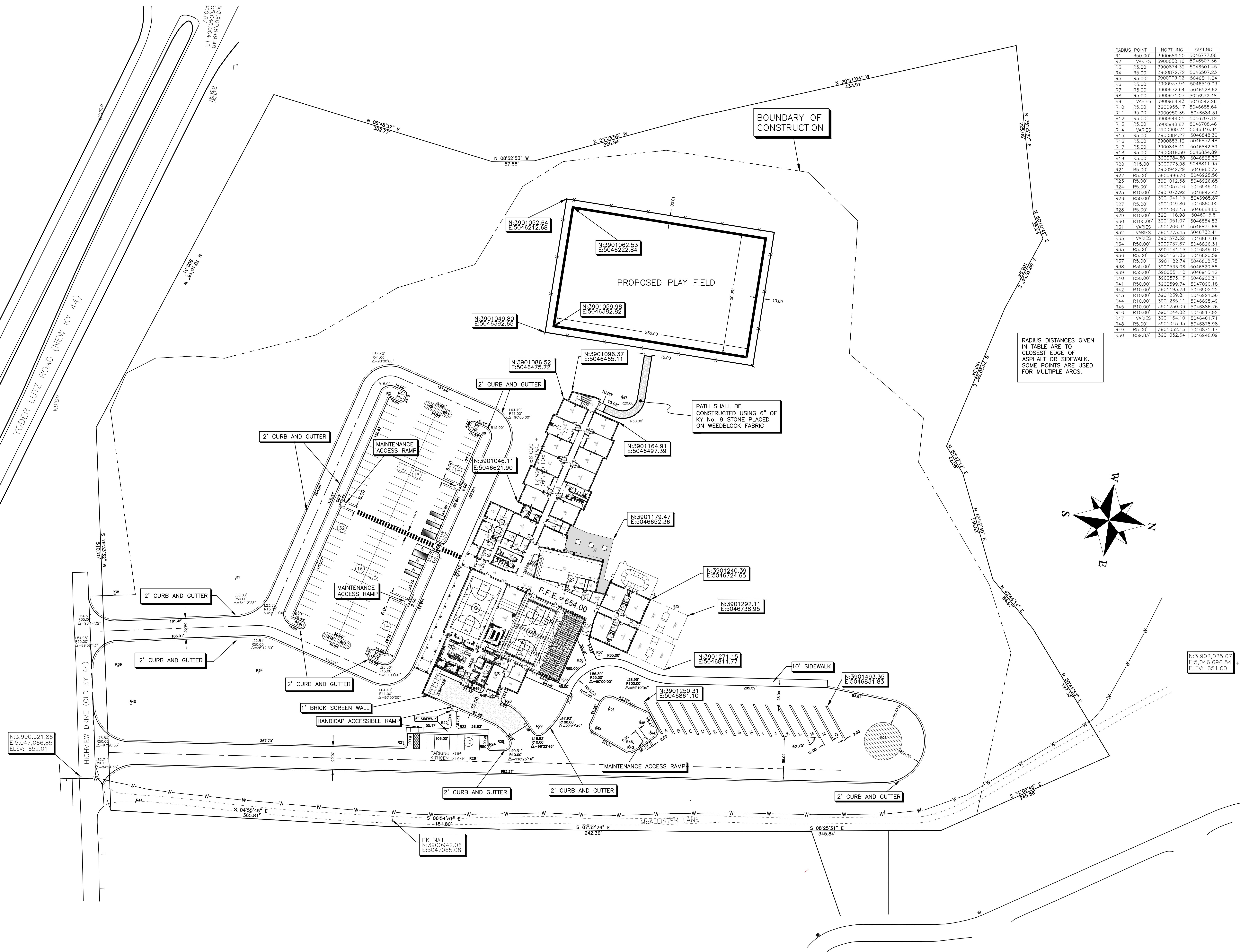
COPYRIGHT © 2015
SHERMAN CARTER
BARNHART ARCHITECTS, PLLC

REVISIONS		
No.	Description	Date

SHEET

C-3

U:\s\200\WORKS\SHERMAN\CARTER\SPENCER COUNTY\DESIGN\1 SITE LAYOUT PLAN WITH DIMENSIONS.dwg
Day & Time: Sep 25, 2015 1:07pm
Sheet Layout: C-4 LAYOUT



SCALE: 1"= 50 FEET

SHERMAN
CARTER
BARNHART
ARCHITECTS

FINAL DOCUMENTS

HAWKINS ENGINEERING
504 HIGHLAND AVE.
VINE GROVE, KY 40175
(270) 877-8273

NEW SPENCER COUNTY
ELEMENTARY SCHOOL
SITE PREPARATION PACKAGE
SPENCER COUNTY PUBLIC SCHOOLS

SITE LAYOUT PLAN
WITH DIMENSIONS

JOB NO. 1257
DATE 09/28/2015
DRAWN TWS
CHECKED EPH
COPYRIGHT © 2015
SHERMAN CARTER
BARNHART ARCHITECTS, PLLC
REVISIONS
No. Description Date
SHEET
C-4

SITE GRADING PLAN

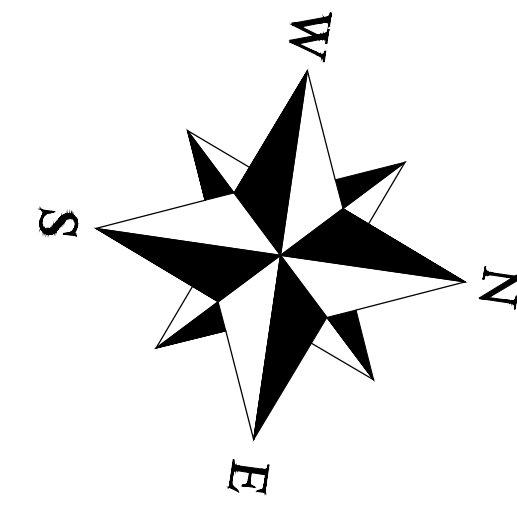
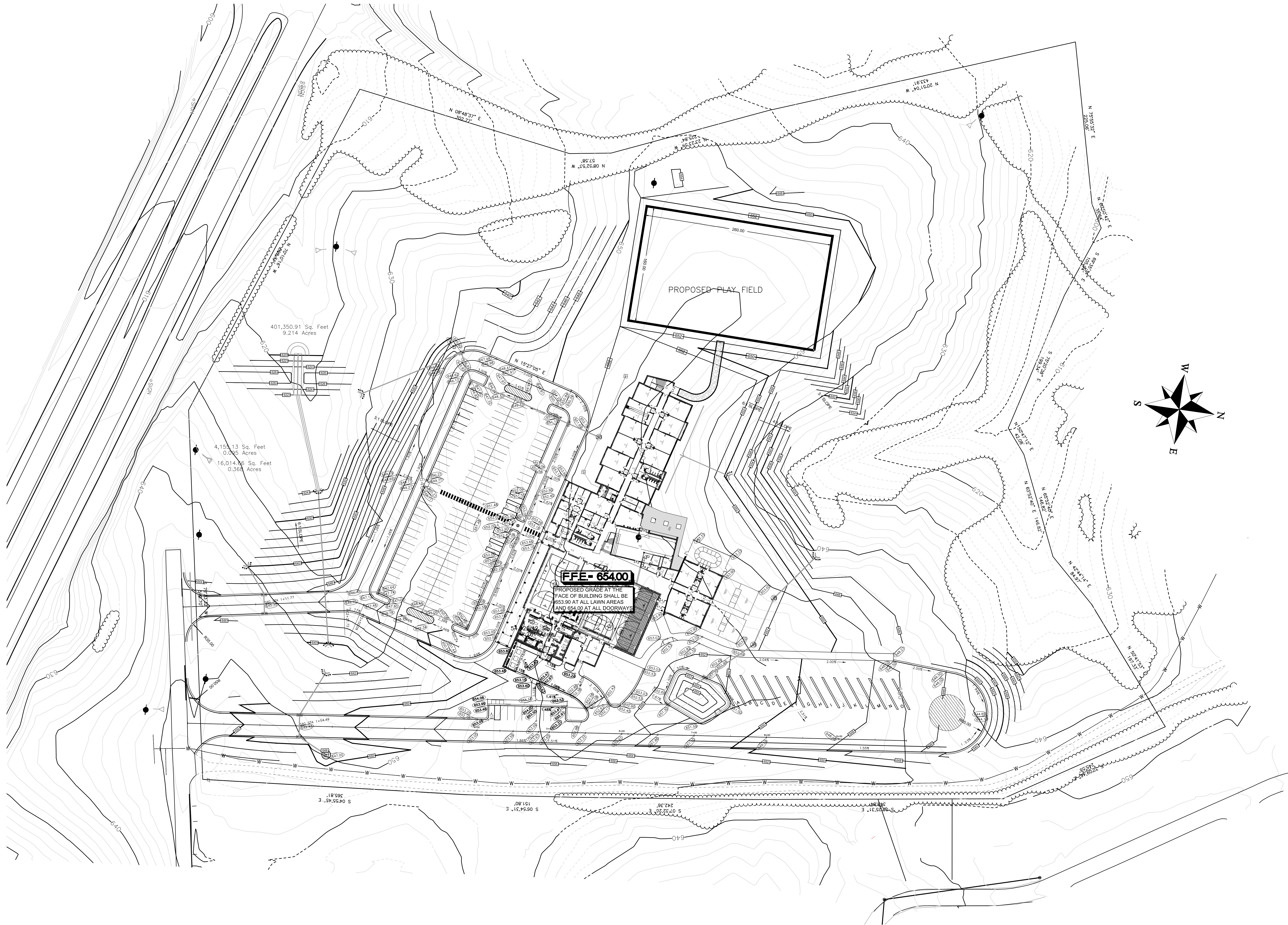
JOB NO.	1257
DATE	09/28/2015
DRAWN	TWS
CHECKED	EPH

COPYRIGHT © 2015
SHERMAN CARTER
BARNHART ARCHITECTS, PLLC

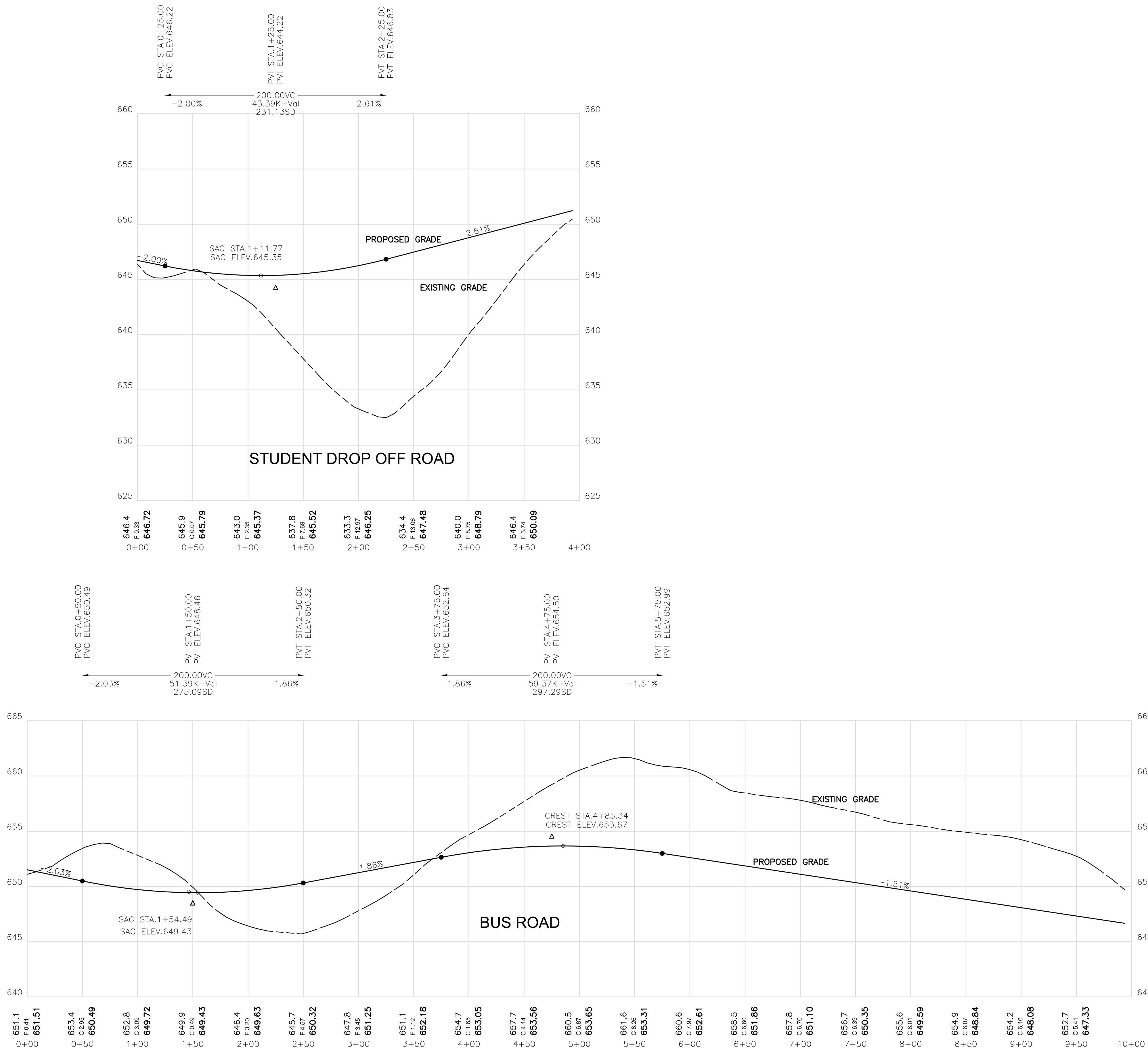
REVISIONS		
No.	Description	Date

SHEET

C-5A



SCALE: 1"= 50 FEET



JOB NO.	1257	
DATE	09/28/2015	
DRAWN	TWS	
CHECKED	EPH	
COPYRIGHT © 2015 SHERMAN CARTER BARNHART ARCHITECTS, PLLC		
REVISIONS		
No.	Description	Date
SHEET		

