

**GENERAL NOTES**

- UNLESS SHOWN OR STATED OTHERWISE ON THESE DRAWINGS, MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF WICHITA STANDARD SPECIFICATIONS & SPECIAL PROVISIONS.
- THE CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF SEVENTY-TWO (72) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:

KANSAS ONE-CALL 1-800-344-7233  
OR (LOCAL WICHITA) 687-2470

THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:

AT&T 1-800-246-8464  
BLACK HILLS ENERGY (GAS) 1-800-694-8989  
CITY OF WICHITA WATER & SEWER 1-316-219-8921  
CITY OF WICHITA STORMWATER 1-316-268-4090  
CITY OF WICHITA TRAFFIC 1-316-268-4034  
COX COMMUNICATIONS 1-888-249-3530  
KANSAS GAS SERVICE 1-888-482-4950  
EVERGY 1-800-544-4857

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR WILL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.
- EXISTING UTILITIES AND THEIR LOCATIONS, AS SHOWN ON THE PLANS REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORD DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED.
- RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR. THESE SITES SHALL BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE AND SITE LOCATION. LOCATIONS THAT, IN THE OPINION OF THE ENGINEER, WILL LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED. ALL DISPOSAL SITES MUST BE APPROVED BY THE KANSAS DEPARTMENT OF HEALTH AND FLOOD PLAIN WOULD REQUIRE A KANSAS STATE BOARD OF AGRICULTURE PERMIT. ANY MATERIAL DUMPED IN WATERS OF THE UNITED STATES OR WETLANDS IS SUBJECT TO U.S. CORPS OF ENGINEERS PERMITTING REGULATIONS. ANY MATERIAL BURIED OR STOCKPILED BEYOND APPROVED CONSTRUCTION LIMITS WOULD REQUIRE ADDITIONAL ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.
- ALL EARTHWORK COMPACTION SHALL BE 95% STANDARD DENSITY IN ACCORDANCE WITH ASTM D-698. BERM COMPACTION SHALL BE AT 90% STANDARD DENSITY. CONTRACTOR SHALL CORRECT ANY AREAS THAT DO NOT MEET COMPACTION REQUIREMENTS, INCLUDING AREAS TESTED BY THE CITY.
- OTHER CONSTRUCTION MAY BE UNDER WAY SIMULTANEOUSLY WITH THIS PROJECT. THE CONTRACTOR SHALL COORDINATE WITH ANY CONTRACTORS CONSTRUCTING OTHER PORTIONS OF THE PROJECT.
- EXCESS EXCAVATION SHALL BE HAULED OFFSITE.
- COMPACTION DENSITY TESTING, WITHIN PUBLIC RIGHT-OF-WAY, WILL BE PROVIDED BY THE CITY OF WICHITA.
- COMPACTION TESTING SHALL BE PROVIDED BY THE CONTRACTOR, OUTSIDE OF THE PUBLIC RIGHT-OF-WAY. TESTING SHALL BE PERFORMED UNDER THE DIRECTION OF A CERTIFIED ENGINEERING TECHNICIAN OR PROFESSIONAL ENGINEER. ALL TESTING METHODS AND EQUIPMENT SHALL BE BASED ON CURRENT ASTM AND/OR AASHTO REQUIREMENTS. ONE NUCLEAR DENSITY TEST SHALL BE PROVIDED FOR EVERY LOT PER EACH FOOT OF FILL MATERIAL PLACED.

**TESTING GUIDELINES:**

- GENERAL EARTHWORK OUTSIDE OF PAVEMENT
  - ONE NUCLEAR DENSITY TEST PER 8" LIFT PER 2,000 SY (MINIMUM OF 2 PER LOT PER LIFT).

- PROPOSED GRADES IN THESE DRAWINGS REFLECT THE TOP OF ROADWAY AND TOP OF SURFACE ELEVATIONS. IT'S THE CONTRACTOR'S RESPONSIBILITY TO ADJUST THE ELEVATIONS TO REFLECT THE PAVEMENT THICKNESS. REFER TO PAVING DETAILS IN PAVING PLANS FOR TYPICAL ROADWAY CROSS-SECTIONS.

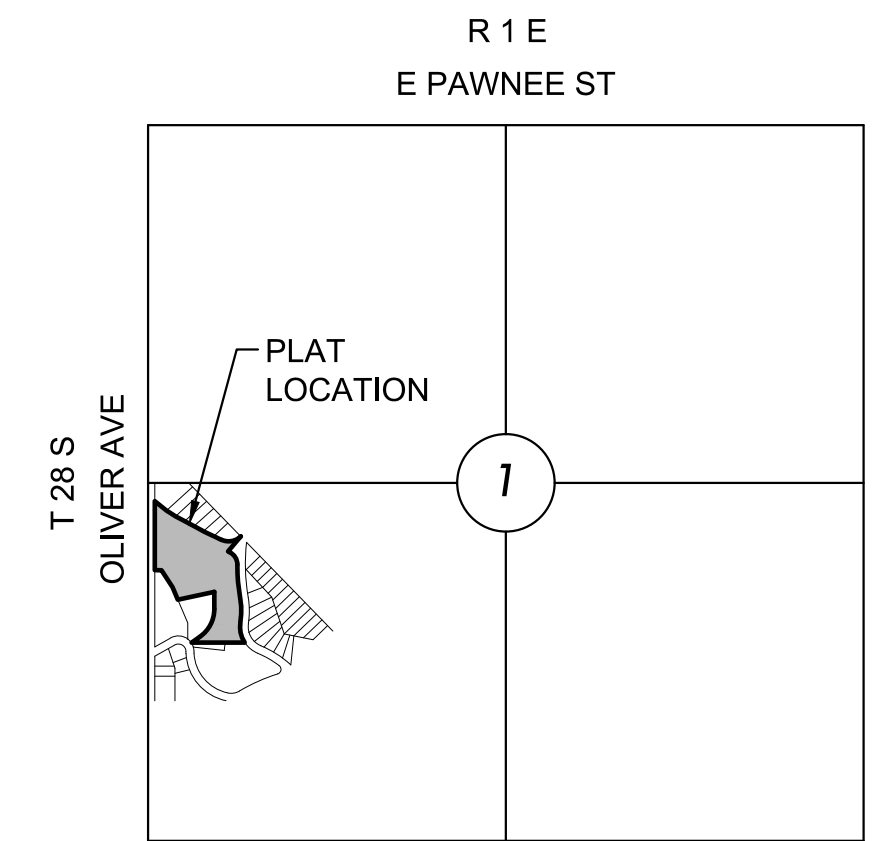
**GENERAL GRADING NOTES**

- THIS IS DESIGN GRADING. ALL GRADES SHALL BE CONTOURED SMOOTHLY WITH GENTLE ROUNDING/SHAPING OF ALL AFFECTED LAND SURFACES. ABRUPT TRANSITIONS AT THE TOP OF SLOPES WHERE PROPOSED GRADES MEET EXISTING ARE NOT ACCEPTABLE. SURVEY STAKES FOR POND GRADING ARE FOR GENERAL GRADING PURPOSES ONLY. NOT ALL SLOPES ARE CONSTANT AND THEREFORE THE GRADING PLANS SHALL BE REFERRED TO FOR FINAL GRADE SHAPING. ALL BERMS & POND EDGES SHALL BE FINAL GRADED/SHAPED WITH A TRACK DOZER, NOT A BLADE. THE GRADING SHALL BE APPROVED BY MKEC'S LANDSCAPE ARCHITECT PRIOR TO THE ADDITION OF THE TOPSOIL LAYER.
- EXISTING NATURAL AREAS (TREES & PASTURE) OUTSIDE OF THE NOTED LIMITS OF GRADING SHALL BE PRESERVED & SHALL BE OFF LIMITS TO ANY TYPE OF CONSTRUCTION ACTIVITY.
- A 6" MIN. LAYER OF TOPSOIL SHALL BE STRIPPED IN ALL AREAS OF CUT AND FILL AND SAVED BACK FOR REPLACEMENT IN AREAS INDICATED. ANY EXCESS TOPSOIL SHALL BE SEPARATELY STOCK PILED ON-SITE AT AN APPROVED LOCATION. NO TOPSOIL SHALL BE PLACED WITHIN STREET R/W UNLESS SPECIFICALLY NOTED.
- TOPSOIL SHALL BE REPLACED AT A MINIMUM DEPTH OF 6" IN ALL RESERVE AREAS, 4" ON LOTS, & 12" FOR BERMS. THE FINISHED GRADE SHOWN ON THE PLANS INDICATES THE SURFACE ELEVATION AFTER THE TOPSOIL LAYER HAS BEEN PLACED.
- CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE ON HAUL ROAD ROUTES, IF OTHER THAN THOSE INDICATED ON THE PLANS.
- REMOVAL OF EXISTING DRIVES, PAVEMENT, STRUCTURES, AND DEBRIS SHALL BE SUBSIDIARY TO SITE CLEARING AND RESTORATION. DEBRIS IF CRUSHED INTO SMALL PIECES MAY BE WASTED ON SITE UNDER THE PROPOSED BERMS. THERE SHALL BE A MINIMUM OF 3' OF SOIL COVER. CONCRETE DEBRIS MAY ALSO BE WASTED ON SITE IN PROPOSED PONDS AS FISH HABITATS. COORDINATE WITH OWNER'S REPRESENTATIVE.
- AS THE PROJECT NEARS COMPLETION, THE CONTRACTOR SHALL RIP (SCARIFY) ALL HAUL ROADS WITH AN AGRICULTURAL IMPLEMENT INTENDED FOR SUCH PURPOSES TO A DEPTH OF 18". MULTIPLE PASSES MAY BE NECESSARY TO THOROUGHLY ALLEVIATE COMPACTION.

STORM WATER DRAIN #529 PLANS FOR

**BUNKER HILL ADDITION**

THE CITY OF WICHITA, KANSAS  
PAUL GUNZELMAN, P.E. - CITY ENGINEER  
PROJECT NO. 458-2024-085574  
ORG CODE 47313824  
MUNIS NO. E4076



**VICINITY MAP**

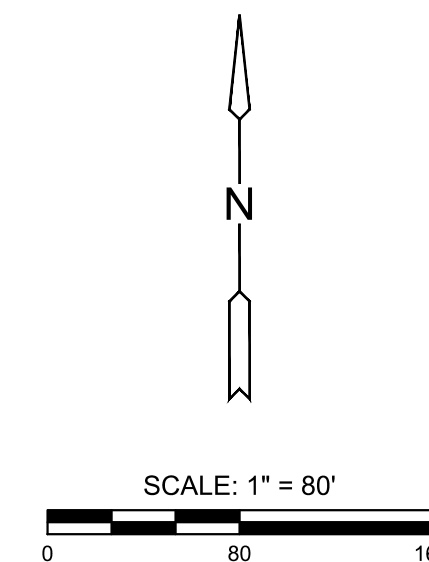
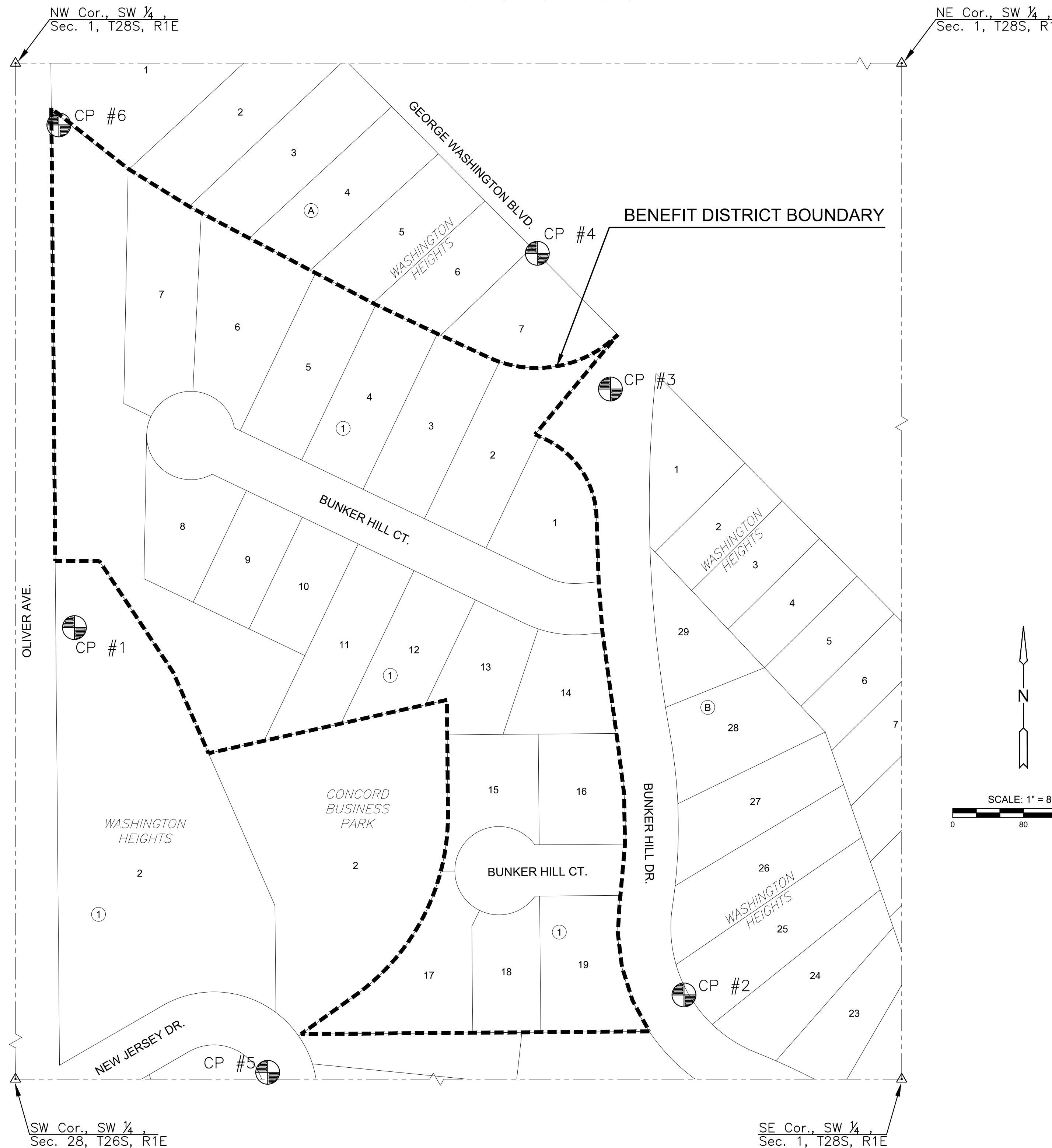
No Scale

**INDEX TO DRAWINGS**

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06	EROSION CONTROL PLAN
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**BENCHMARKS/CONTROL**

SEE SHEET CG105 FOR BENCH MARK/CONTROL POINT INFORMATION.



**EARTHWORK SUMMARY**

EXCAVATION	7,810 C.Y.
*COMPACTED FILL (95%)	7,380 C.Y.
EXCAVATION (PIPE SPOILS)	230 C.Y.
* 10% SHRINK/SWELL FACTOR ADDED	

**Stormwater Certification:**

New Development  Redevelopment (Circle One)

Stormwater Permit # \_\_\_\_\_

NOI Permit # \_\_\_\_\_

These construction plans were prepared in accordance with the current Stormwater management Regulations as set forth in the City of Wichita's Stormwater Management Ordinance 16.32 and the policies/guidelines presented in the Wichita/Sedgwick County Stormwater Manual.

Site Area (Acres) = 8.6

Disturbed Area (Acres) = 6.3

Water Quality Treatment: Offsite BMP Program

Downstream Channel Protection: N/A

Detention: N/A

The BMP used for this development is Offsite BMP Program



STORM WATER DRAIN #529 PLANS FOR  
**BUNKER HILL ADDITION**  
WICHITA, KANSAS

**TITLE SHEET**

PROJECT NO.  
458-2024-085574

SCALE  
1" = 80'

DRAWN	DESIGNED	CHECKED
BWS	DFL	SPE

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	07/18/24

SHEET NO.  
**CG001**  
01 OF 14