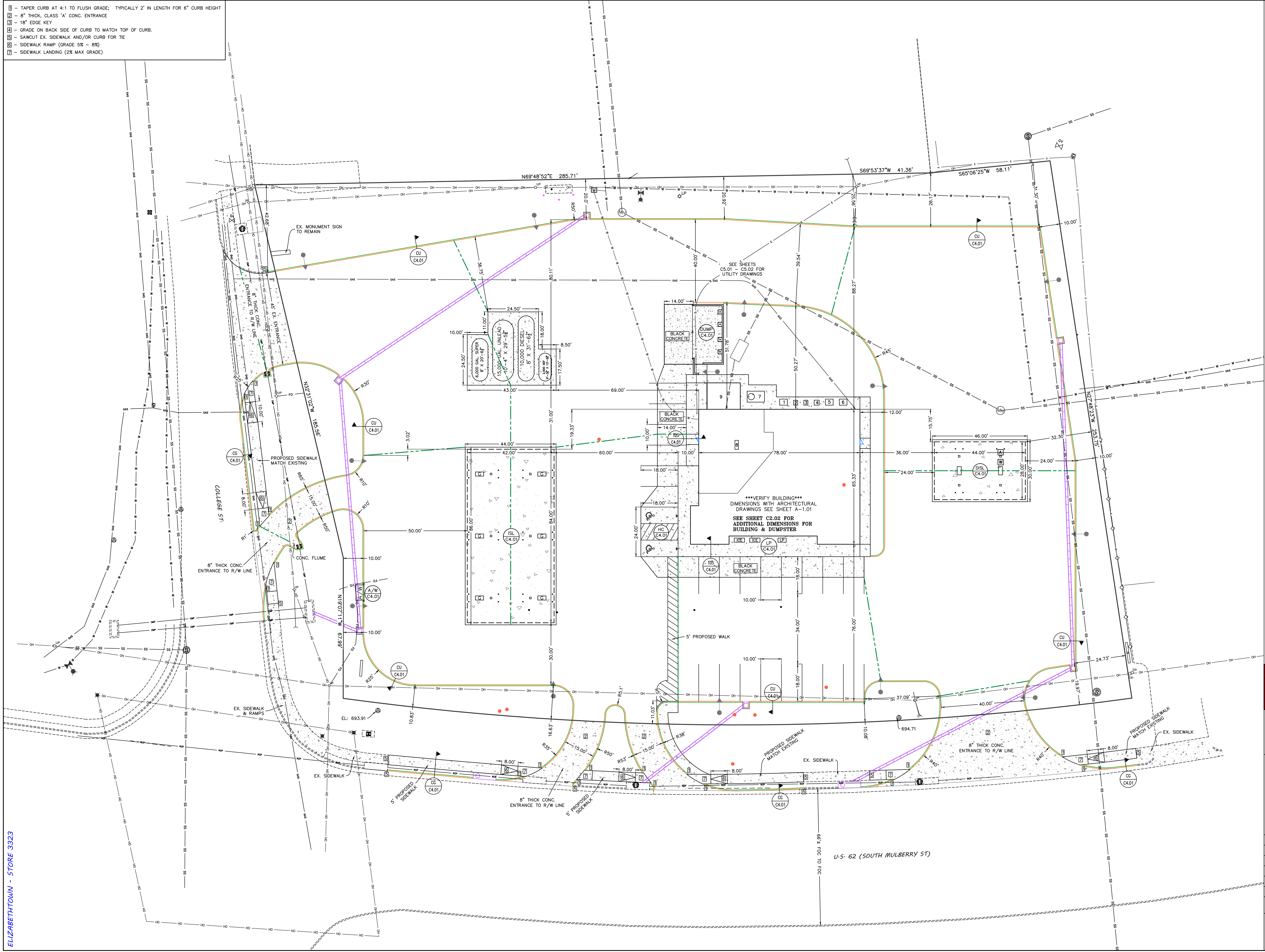
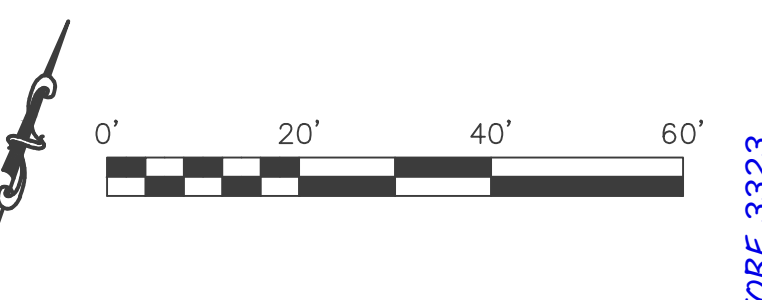


- - TAPER CURB AT 4:1 TO FLUSH GRADE; TYPICALLY 2" IN LENGTH FOR 6" CURB HEIGHT
- ▢ - 8" THICK, CLASS 'A' CONC. ENTRANCE
- ▣ - 18" EDGE KEY
- ▤ - GRADE ON BACK SIDE OF CURB TO MATCH TOP OF CURB.
- ▥ - SAWCUT EX. SIDEWALK AND/OR CURB FOR TIE
- ▦ - SIDEWALK RAMP (GRADE 5% - 8%)
- ▧ - SIDEWALK LANDING (2% MAX GRADE)

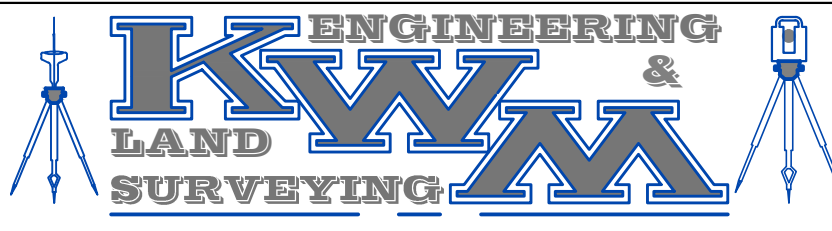


- LAYOUT NOTES:**
- PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION SHALL BEGIN PRIOR TO THE CONTRACTOR RECEIVING AND REVIEWING THE REQUIRED PERMITS AND APPROVALS.
  - PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DRAINAGE AND UTILITY CONNECTIONS TO ENSURE THEY CAN BE PROPERLY CONNECTED.
  - IN THE EVENT OF A CONFLICT BETWEEN THIS DRAWING AND ANY OTHER DRAWING AND/OR SPECIFICATION, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY FOR CLARIFICATION.
  - UNLESS NOTED OTHERWISE, THE DIMENSIONS AND COORDINATES SHOWN HEREON ARE TO THE EDGE OF THE ROAD CONCRETE, EDGE OF ASPHALT, FACE OF CURB, OR OUTSIDE FACE OF BUILDINGS/STRUCTURES.
  - ALL ROAD AND/OR FLEXIBLE PAVEMENT AND STONE SHALL MEET THE MATERIALS, EQUIPMENT, CONSTRUCTION & TESTING REQUIREMENTS OF THESE DRAWINGS AND/OR THE KENTUCKY TRANSPORTATION CABINET STANDARD SPECIFICATIONS.
  - ALL SETBACKS SHALL BE IN ACCORDANCE WITH THE LOCAL ZONING ORDINANCE.
  - ALL PAVEMENT MARKINGS WITHIN THE DEVELOPMENT SHALL BE PAINTED. ALL PAVEMENT MARKINGS ON CITY OR STATE R/W SHALL CONFORM TO THE REGULATIONS OF THEIR RESPECTIVE OWNER.
  - ANY WORK WITHIN THE KYTC R/W WILL REQUIRE AN ENCROACHMENT PERMIT. ALL DISTURBED PORTIONS OF THE RIGHT OF WAY SHALL BE RESTORED TO GRASS AS PER KENTUCKY DEPARTMENT OF HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION).
  - THE LOCATIONS OF THE EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BY COORDINATING WITH THE RESPECTIVE UTILITY COMPANIES INVOLVED. PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD THE EXISTING UTILITIES FROM DAMAGE DURING THE CONSTRUCTION OF THIS PROJECT.
  - ALL CURB STOPS AND CURB CUTS ABUTTING TRAVELED WAYS SHALL TAPER TO ASPHALT GRADE AT A MIN. 4:1 SLOPE.

- SITE LEGEND**
- = LIGHT POLES/SECURITY LIGHT
  - ⊙ = BENCHMARK - IRON PIN W/ BLUE CAP
  - ▬ (dashed) = PROPOSED STORM PIPE
  - ▭ (stippled) = CONCRETE AREA
  - ▭ (solid) = PROPERTY LINES



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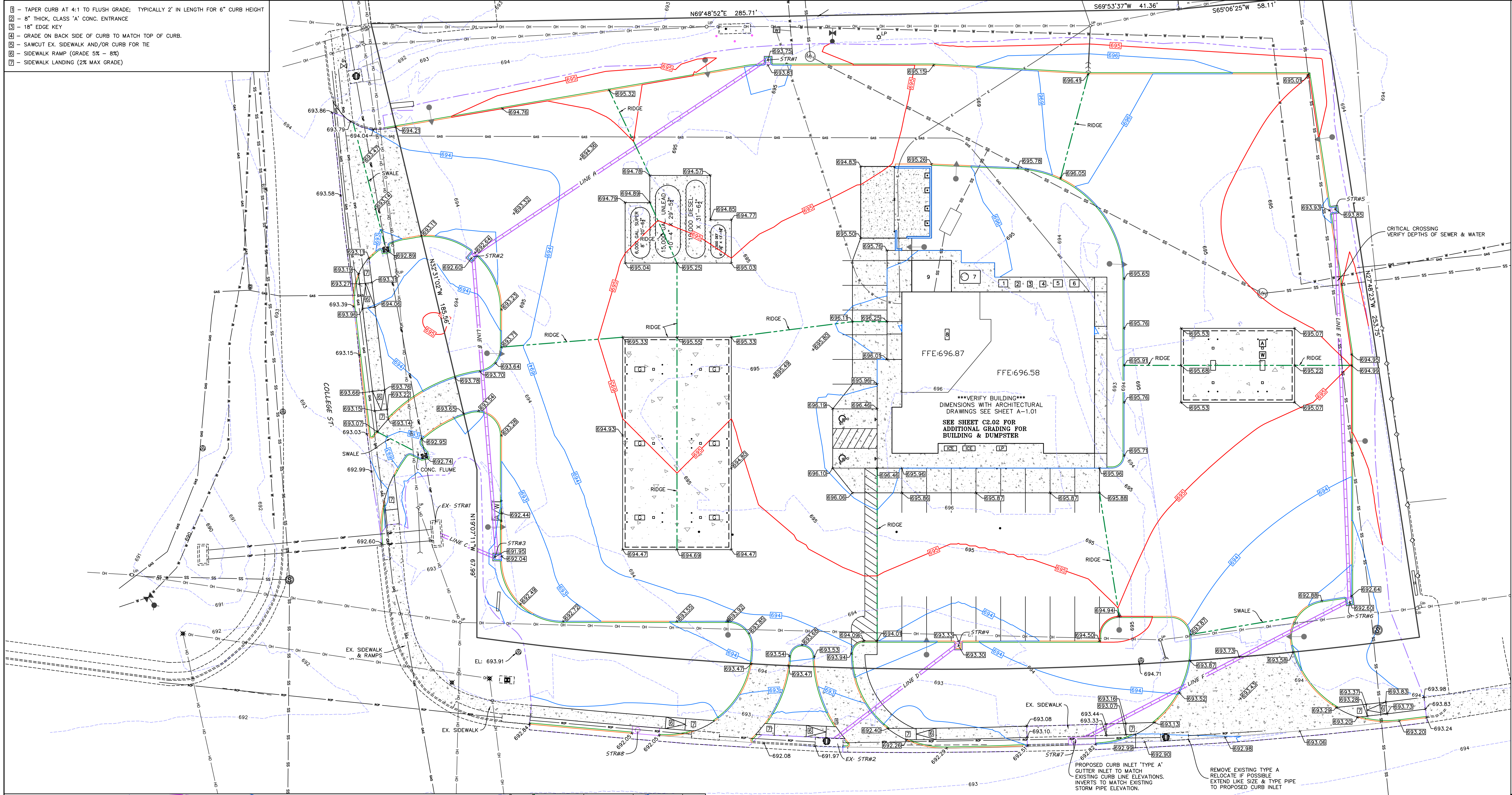
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SCALE: 1" = 20'	DATE: 10-4-2021
SHEET: <b>PROPOSED LAYOUT</b>	<b>C1.01</b>

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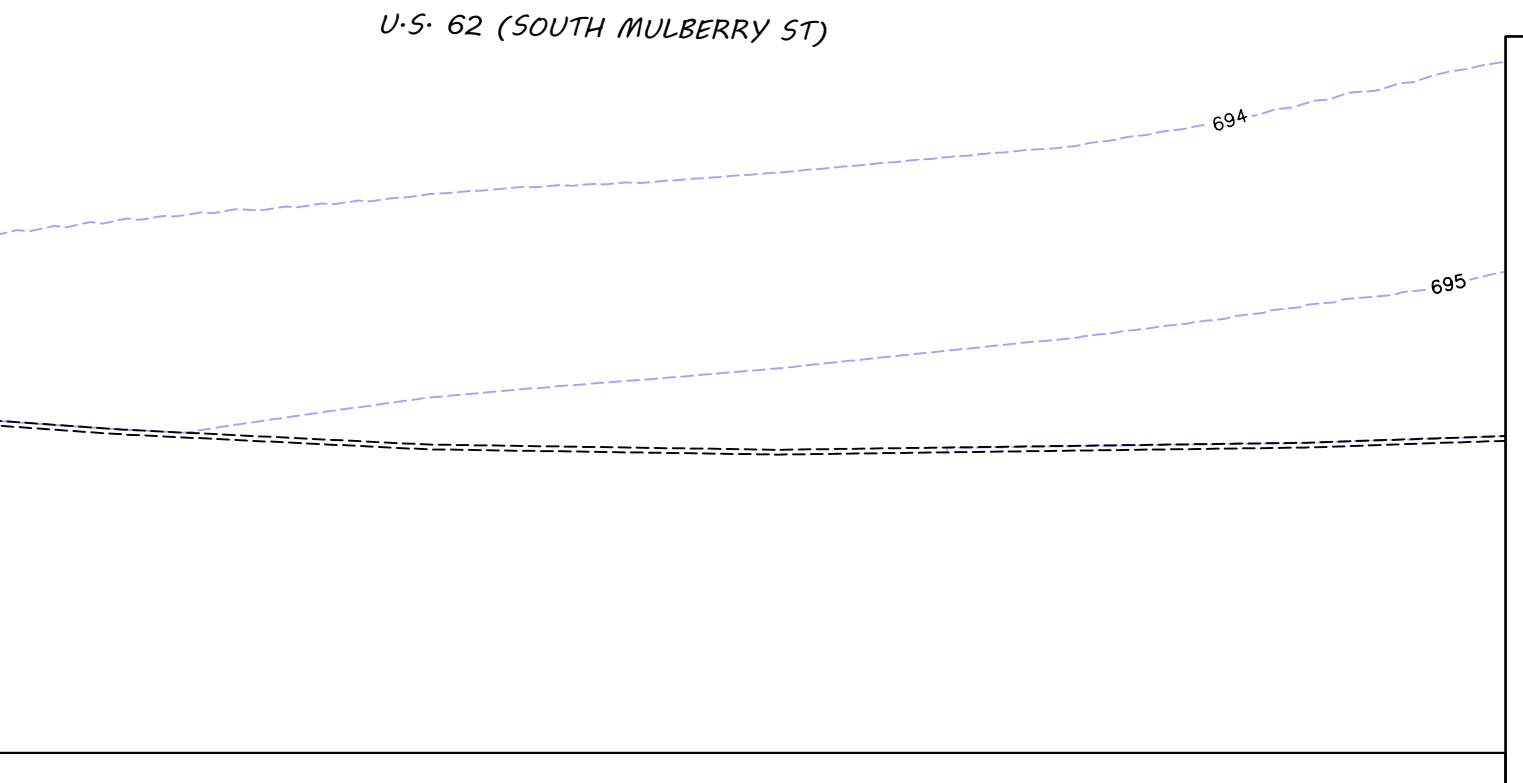
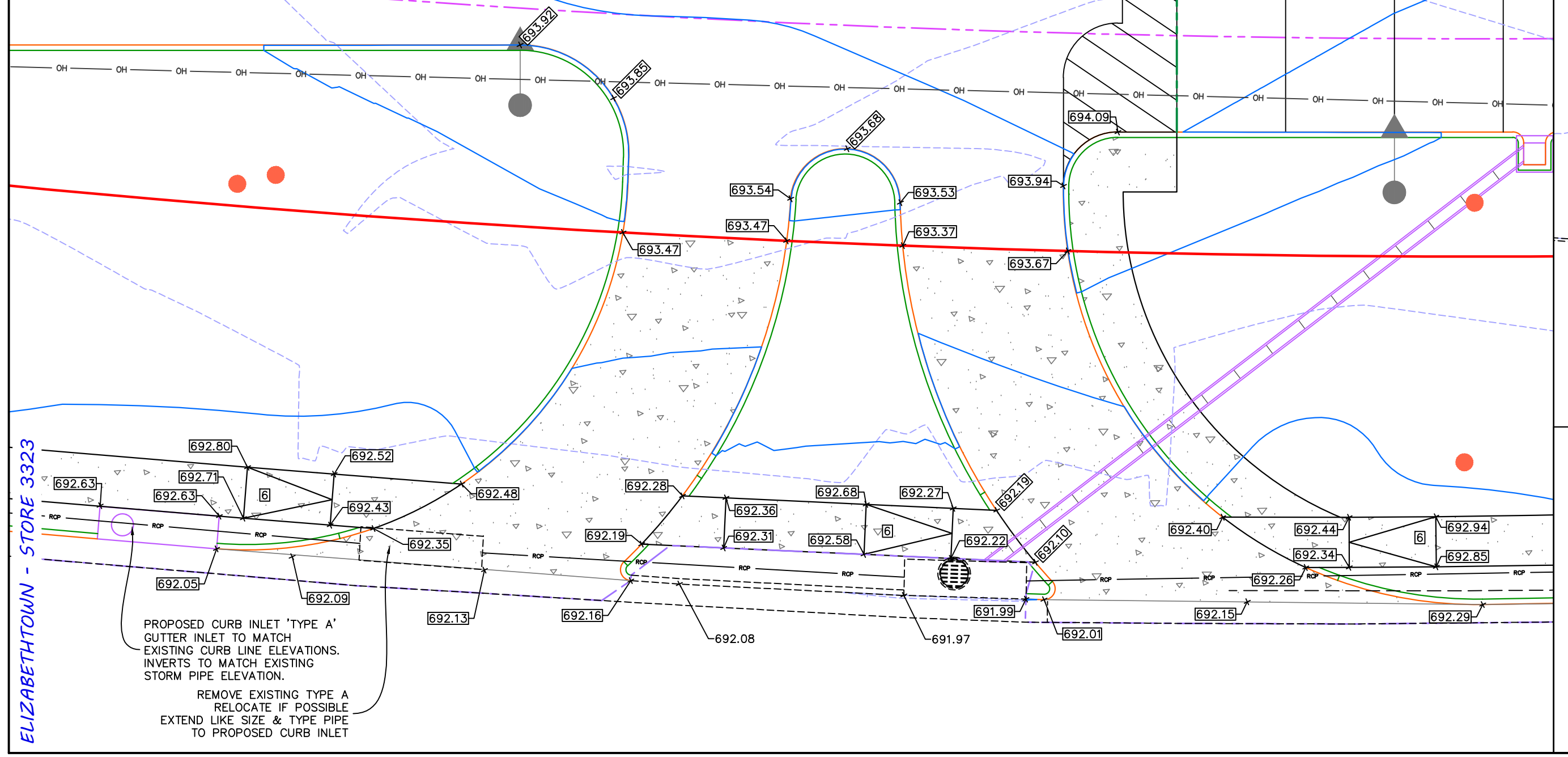
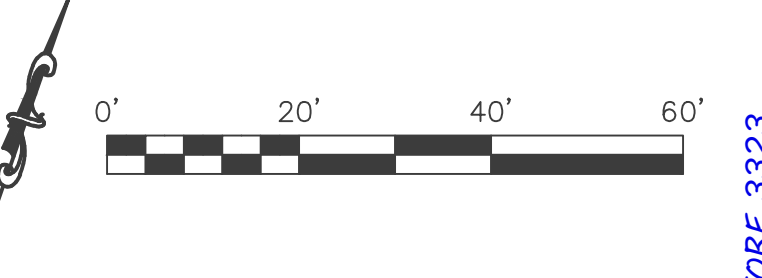
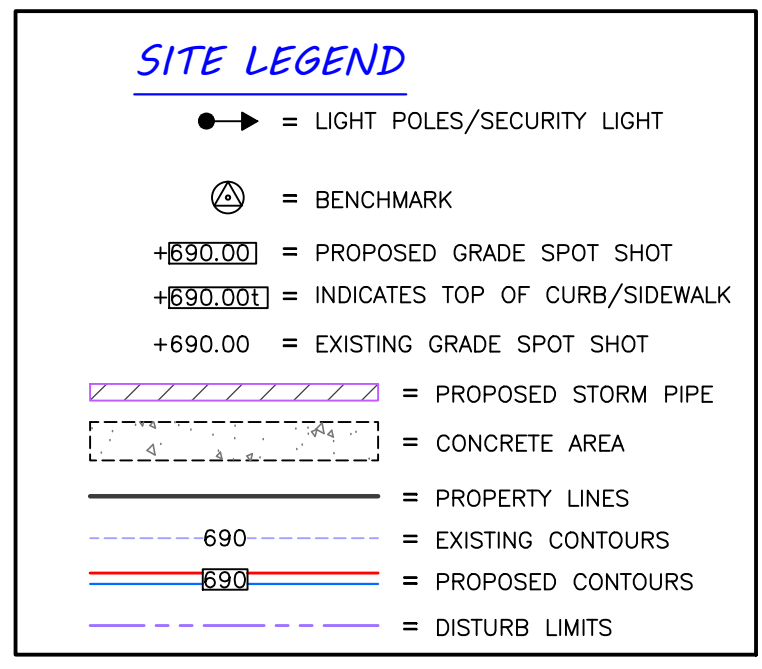
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- 1 - TAPER CURB AT 4:1 TO FLUSH GRADE; TYPICALLY 2' IN LENGTH FOR 6" CURB HEIGHT
- 2 - 8" THICK, CLASS 'A' CONC. ENTRANCE
- 3 - 18" EDGE KEY
- 4 - GRADE ON BACK SIDE OF CURB TO MATCH TOP OF CURB.
- 5 - SAWCUT EX. SIDEWALK AND/OR CURB FOR TIE
- 6 - SIDEWALK RAMP (GRADE 5% - 8%)
- 7 - SIDEWALK LANDING (2% MAX GRADE)



- DRAIN & GRADE NOTES:**
1. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION SHALL BEGIN PRIOR TO THE CONTRACTOR VERIFYING AND REVIEWING THE REQUIRED PERMITS AND APPROVALS.
  2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DRAINAGE AND UTILITY CONNECTIONS TO ENSURE THEY CAN BE PROPERLY CONNECTED.
  3. NO DISTURBANCE TO THE NATURAL GROUND SHALL TAKE PLACE PRIOR TO HAVING THE PROPOSED EROSION CONTROL PLAN APPROVED AND IN PLACE.
  4. IN THE EVENT OF A CONFLICT BETWEEN THIS DRAWING AND ANY OTHER DRAWING AND/OR SPECIFICATION, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY FOR CLARIFICATION.
  5. UNLESS NOTED OTHERWISE, THE SPOT ELEVATIONS SHOWN ARE TO THE BOTTOM FACE OF CURB OR SIDEWALK.
  6. THE AGGREGATE BASE & ASPHALT COURSES SHALL MEET THE MATERIALS, EQUIPMENT, CONSTRUCTION, & TESTING REQUIREMENTS OF THESE DRAWINGS AND THE CURRENT EDITION OF THE KENTUCKY TRANSPORTATION CABINET STANDARD SPECIFICATIONS.
  7. ALL SETBACKS SHALL BE IN ACCORDANCE WITH THE LOCAL ZONING ORDINANCE.
  8. THE LOCATIONS OF THE EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BY COORDINATING WITH THE RESPECTIVE UTILITY COMPANIES INVOLVED. PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD THE EXISTING UTILITIES FROM DAMAGE DURING THE CONSTRUCTION OF THIS PROJECT.
  9. THE CONTRACTOR SHALL VERIFY POSITIVE FLOW FOR ALL STORM SEWER PIPE. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
  10. ALL DISTURBED AREAS OUTSIDE THE PROJECT LIMITS, INCLUDING ADJOINING PROPERTIES AND/OR RIGHT-OF-WAY SHALL BE REPAIRED, SEED, AND STRAWED.
  11. ALL CURB STOPS AND CURB CUTS ABUTTING TRAVELED WAYS SHALL TAPER TO ASPHALT GRADE AT A MIN. 4:1 SLOPE.



**PIPE TABLE**

NAME	SIZE (INCHES)	LENGTH (FT)	SLOPE (%)	COMMENTS
LINE A	12	143	1.04	
LINE B	12	121	1.04	
LINE C	12	24	3.6±	
LINE D	12	63	2.1±	
LINE E	12	157	1.0±	
LINE F	12	121	1.9±	

ALL PIPE TO BE HDPE WITH WATERTIGHT CONNECTIONS.  
 ALL PIPE TO BE N12 (WATER TIGHT) PIPE, EXCEPT WHERE OTHERWISE NOTED ON PLANS.  
 EQUIVALENT PIPE MAY BE UTILIZED WITH ENGINEER'S APPROVAL.  
 \* CUTOUTS FOR ROOF DRAINS SHALL BE FOR 12" PIPE. ACTUAL SIZE DEPENDENT ON PLUMBING LAYOUT.

**STRUCTURE TABLE**

NAME	DETAILS	TYPE	GRATE	OLDCASTLE FLO-GARD FILTER
STR#1	T.G. = 693.75 INV OUT = 690.75 (LINE A)	24" X 24" STD. DBI DROP BOX INLET OR EQUIV.	JBS 7514 OR APPROVED EQUIV.	FGP-24F
STR#2	T.G. = 692.60 INV IN = 689.30 (LINE A) INV OUT = 689.30 (LINE B)	24" X 24" STD. DBI DROP BOX INLET OR EQUIV.	JBS 7514 OR APPROVED EQUIV.	FGP-24F
STR#3	T.G. = 691.95 INV IN = 688.10 (LINE B) INV OUT = 688.10 (LINE C) EXIST T.G. = 692.61 INV IN TO BE CORED TO EX. BOX INV OUT = 685.26 (EX. PIPE)	24" X 24" STD. DBI DROP BOX INLET OR EQUIV.	JBS 7514 OR APPROVED EQUIV.	FGP-24F
EX. STR#1	INV IN = 687.25 (LINE C) INV IN TO BE CORED TO EX. BOX INV OUT = 685.26 (EX. PIPE)	EXISTING	EXISTING	N/A
STR#4	T.G. = 693.30 INV OUT = 690.30 (LINE D)	24" X 24" STD. DBI DROP BOX INLET OR EQUIV.	JBS 7514 OR APPROVED EQUIV.	FGP-24F
EX. STR#2	EXIST T.G. = 691.98± GUTTER F.L. INV IN = 688.00 (LINE D) INV IN TO BE CORED TO EX. BOX INV OUT = 686.55 (EX. PIPE)	EXISTING	EXISTING	N/A
STR#5	T.G. = 693.85 INV OUT = 691.27 (LINE E)	24" X 24" STD. DBI DROP BOX INLET OR EQUIV.	JBS 7514 OR APPROVED EQUIV.	FGP-24F
STR#6	T.G. = 692.60 INV IN = 689.709 (LINE E) INV IN TO BE CORED TO EX. BOX INV OUT = 689.70 (LINE F)	24" X 24" STD. DBI DROP BOX INLET OR EQUIV.	JBS 4075 OR APPROVED EQUIV.	FGP-24F
STR#7	F.L. = 692.82± (GUTTER LINE) INV IN = 687.50 (LINE F) INV OUT = 687.1± (EX. PIPE)	KYTC CBI 'TYPE A'	N/A	N/A

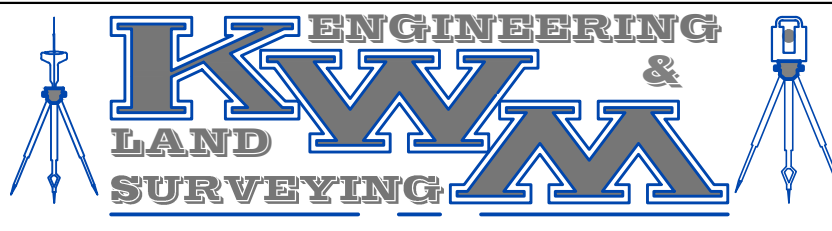
ALL PIPE TO BE N12 (WATER TIGHT) PIPE, EXCEPT WHERE OTHERWISE NOTED ON PLANS. EQUIVALENT PIPE MAY BE UTILIZED WITH ENGINEER'S APPROVAL.

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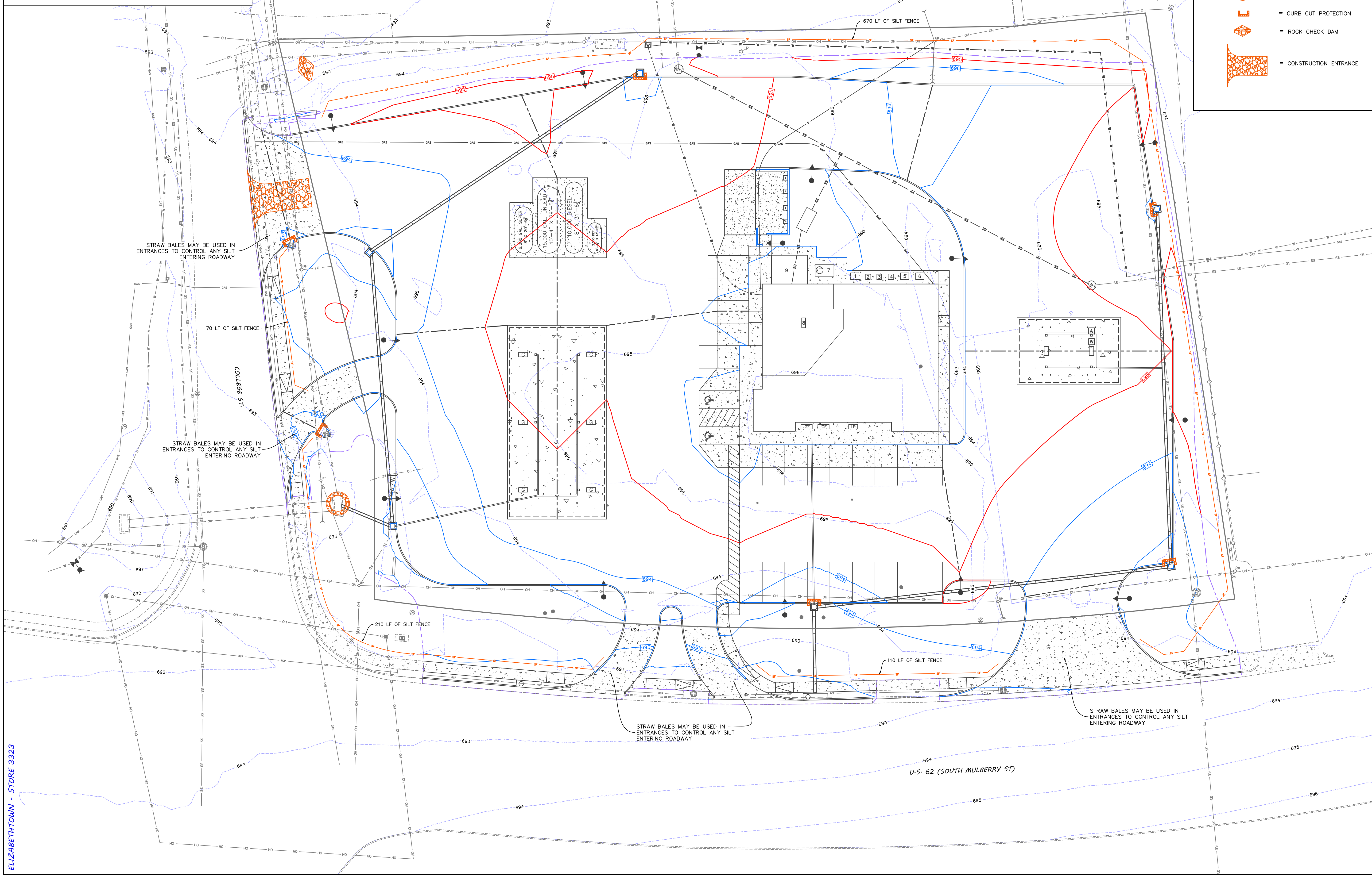
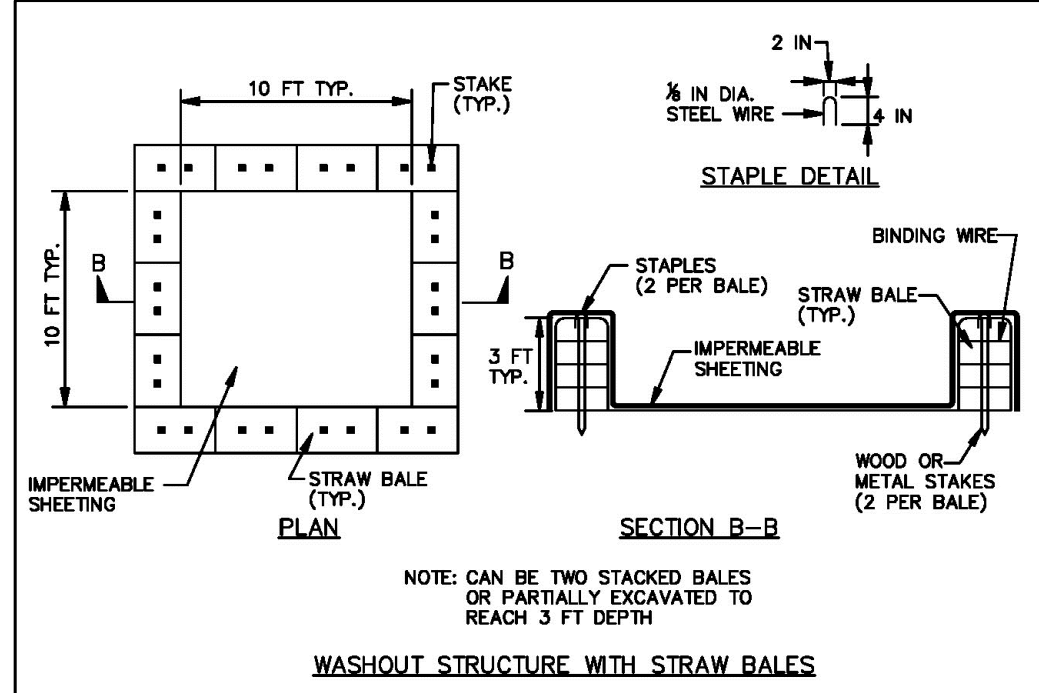
NO.	DATE	DESCRIPTION

SCALE: 1" = 20'

DATE: 10-4-2021

**PROPOSED GRADE & DRAIN C2.01**





**SITE LEGEND**

- = PROPOSED STORM PIPE
- = CONCRETE AREA
- = PROPERTY LINES
- = EXISTING CONTOURS
- = PROPOSED CONTOURS
- = DISTURB LIMITS

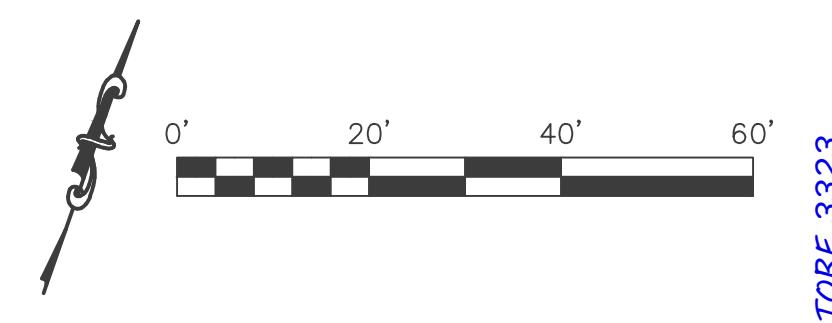
**EROSION CONTROL LEGEND**

SEE SHEET C4-02 FOR DETAILS

- = SILT FENCE
- = CATCH BASIN INLET PROTECTION
- = CURB CUT PROTECTION
- = ROCK CHECK DAM
- = CONSTRUCTION ENTRANCE

- NOTES:**
- AS A MINIMUM, ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO THE LOCAL STORMWATER ORDINANCES, AND AS REQUIRED BY STATE AND FEDERAL LAWS.
  - A COPY OF THE APPROVED EROSION PREVENTION AND SEDIMENT CONTROL PLANS SHALL BE MAINTAINED AT THE PROJECT SITE AT ALL TIMES. THIS COPY SHALL BE PRESENTED TO THE LOCAL AND STATE REGULATORY REPRESENTATIVES UPON REQUEST.
  - ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CLEARING AND GRUBBING AS NEEDED TO CONTROL SEDIMENT LEAVING THE SITE. THE CONTRACTOR HAS THE ABILITY TO ALTER THE PLAN SHOWN HEREON BASED ON PHASING AND CONSTRUCTION PRACTICES. THE CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENT FROM LEAVING THE SITE.
  - TEMPORARY SEDIMENT TRAPS WITH ROCK OR EARTHEN DIKES OR OTHER APPROVED CONTROLS SHALL BE INSTALLED DOWNGRADIENT OF HEAVILY ERODED AREAS AS NEEDED TO PREVENT SEDIMENT FROM LEAVING THE SITE.
  - ACTIONS MUST BE TAKEN TO MINIMIZE THE TRACKING OF MUD, SOIL, AND ROCK FROM CONSTRUCTION AREAS ONTO PUBLIC ROADWAYS. SOIL AND ROCK TRACKED ONTO THE ROADWAY SHALL BE REMOVED DAILY.
  - SOIL STOCKPILES SHALL BE LOCATED AWAY FROM STREAMS, PONDS, SWALES AND CATCH BASINS. STOCKPILES SHALL BE SEEDED, MULCHED, AND ADEQUATELY CONTAINED THROUGH THE USE OF SILT FENCE.
  - GOOD HOUSEKEEPING PRACTICES SHALL BE APPLIED TO PREVENT CONTAMINATED RUNOFF OR OTHER IMPACTS FROM PAINT OR CONCRETE WASTES, FUELS AND OILS, TRASH AND LITTER, OR OTHER MATERIALS.
  - GOOD HOUSEKEEPING PRACTICES SHALL BE APPLIED TO PREVENT CONTAMINATED RUNOFF OR OTHER IMPACTS FROM PAINT OR CONCRETE WASTES, FUELS AND OILS, TRASH AND LITTER, OR OTHER MATERIALS.
  - ALL BARE SOIL AREAS NOT SUBJECT TO ACTIVE CLEARING, EXCAVATION, GRADING, OR FILL ACTIVITIES SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT SEEDING AND/OR MULCHING WITHIN 14 DAYS IF NO WORK IS PLANNED IN THAT AREA DURING THE NEXT WEEK.
  - SILT FENCES, DITCH CHECKS, NON-PERMANENT SEDIMENT TRAPS, AND OTHER TEMPORARY CONTROLS SHALL BE REMOVED AFTER VEGETATION IN UPGRADEMENT AREAS IS ESTABLISHED AND DITCHES ARE STABLE.
  - THE CONTRACTOR SHALL INSPECT ALL EROSION AND SEDIMENT CONTROL DEVICES AT LEAST ONCE A WEEK AND AT LEAST ONCE A DAY DURING RAINFALL EVENTS. THE CONTRACTOR SHALL PERFORM ANY REPAIRS OR MAINTENANCE IMMEDIATELY IN ORDER TO ENSURE EFFECTIVE EROSION AND SEDIMENT CONTROL.
  - THE CONTRACTOR SHALL MAINTAIN A RECORD OF ALL INSPECTIONS AND MAINTENANCE ACTIVITIES AT THE PROJECT SITE. THIS RECORD SHALL BE MADE AVAILABLE TO THE LOCAL CITY OFFICIALS UPON REQUEST.
  - AT A MINIMUM, ALL SLOPES GREATER THAN 4:1 SHALL REQUIRE EROSION CONTROL BLANKET. OTHER SLOPES MAY ALSO NEED TO BE PROTECTED IN ORDER TO PREVENT ERODING.
  - EQUIPMENT AND SOIL STOCKPILE STORAGE AREAS MAY BE RELOCATED TO AN AREA OF CONTRACTOR'S CHOOSING BASED ON CONSTRUCTION PHASING.
  - OFFSITE WASTE AREAS SHALL BE PROTECTED WITH SILT FENCE AND/OR SEEDED AND MULCHED TO PREVENT EROSION.

- BEST MANAGEMENT PRACTICES:**
- IT IS THE INTENTION OF THIS PLAN TO EFFECTIVELY CONTROL EROSION OF DISTURBED SOILS. HOWEVER NO PLAN CAN BE MADE THAT DETAILS ALL POSSIBLE CONTROL MEASURES THROUGHOUT CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MINIMIZE ALL EROSION USING THESE MEASURES AS WELL AS ANY ADDITIONAL MEASURES REQUIRED TO CONTROL RUNOFF.
  - THE CONTRACTOR IS TO TAKE IMMEDIATE ACTION TO CLEAN UP SPILLS OF FLUID MATERIAL AND MUST MAINTAIN OIL AND GREASE ABSORBING MATERIALS ON-SITE. RUBBISH, TRASH, GARBAGE, LITTER, ETC. ARE TO BE DEPOSITED IN SEALED CONTAINERS. THE CONTRACTOR IS TO CONTROL DUST FROM THE SITE. IF CONCRETE TRUCKS WASH OUT ON SITE, THE WASH WATER SHALL BE PLACED IN AN AREA WHERE IT CAN NOT MAKE ITS OFF SITE.
  - CONTRACTOR SHALL SECURE THE K.P.D.E.S. NOTIFICATION OF COVERAGE PRIOR TO LAND DISTURBING ACTIVITIES. THE NOTIFICATION MUST BE SUBMITTED AS REQUIRED BY THE KENTUCKY DIVISION OF WATER (KDOW).
  - THE CONTRACTOR IS TO KEEP A SIGNED AND SEALED EROSION CONTROL PLAN ON SITE AND MAKE IT AVAILABLE TO INSPECTORS AS REQUIRED.
  - ANY DEVIATIONS FROM THIS PLAN SHALL BE MARKED ON SAME WITH AN EXPLANATION OF WHY IT WAS ALTERED.
  - IF A SPILL OF AN ILLICIT MATERIAL ENTER A WATERWAY OR STORM SEWER, CONTACT THE KDOW 502-564-2380.



ELIZABETHTOWN - STORE 3323

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**Kentucky 811**

**FIVESTAR**

**Newcomb OIL CO.**

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**ENGINEERING & SURVEYING**

**KWM**

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EROSION & SEDIMENT CONTROL **C3.01**