

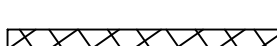
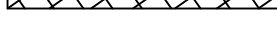
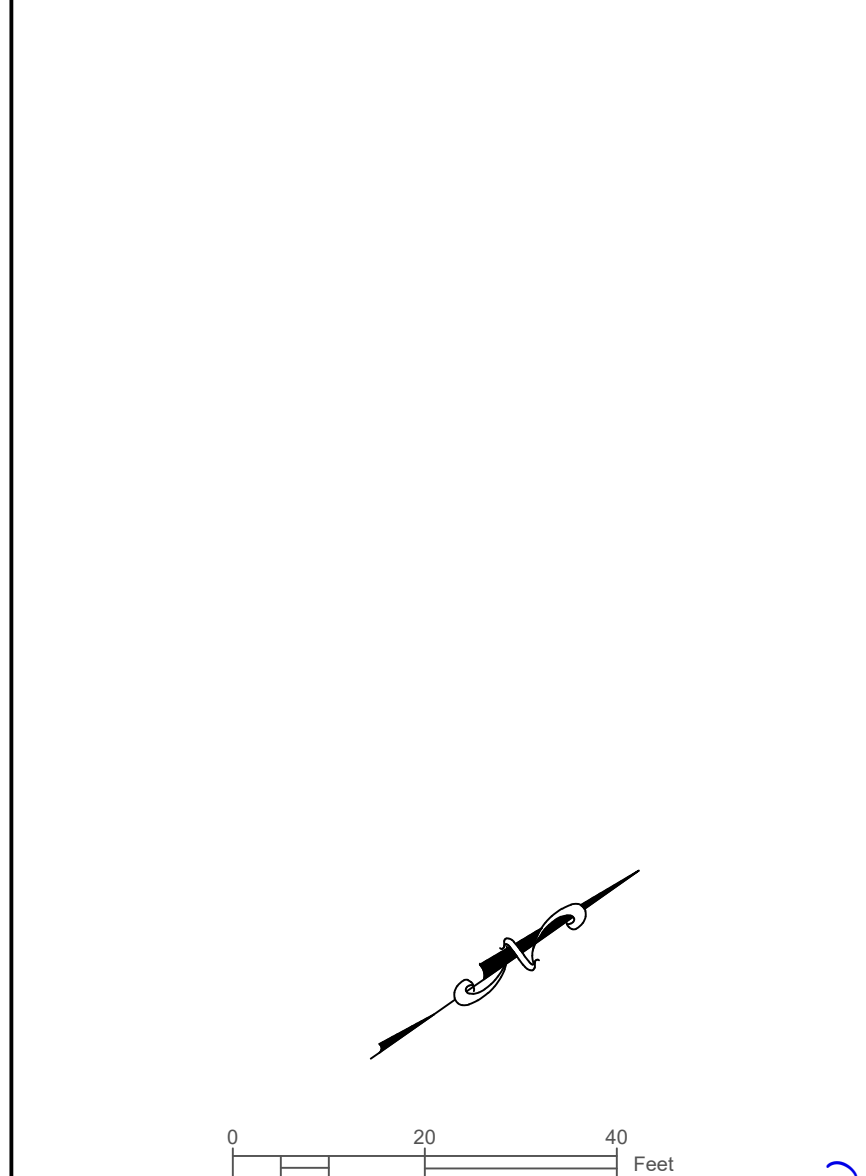
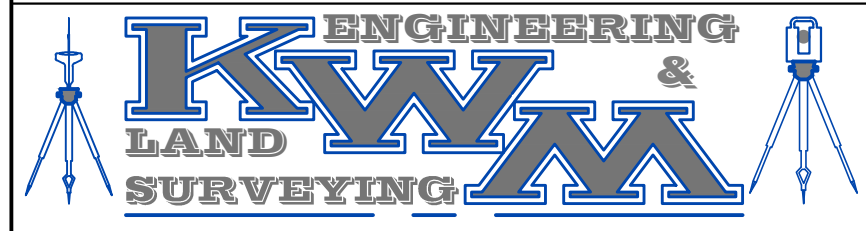


- SURVEY NOTES:**
1. THIS SURVEY IS SUBJECT TO ANY AND ALL LEGAL EASEMENTS & RIGHT OF WAYS, RECORDED OR UNRECORDED, AND ANY AND ALL FACTS THAT MAY BE DISCLOSED BY A FULL & ACCURATE TITLE SEARCH.
  2. THE PROPERTY SHOWN IS ADDRESSED AS 675 NORTH WALLACE WILKINSON BLVD, LIBERTY, KY 42539.
  3. THE UTILITIES SHOWN HEREON ARE BASED ON FOUND VISIBLE EVIDENCE FOUND DURING THE COURSE OF THIS SURVEY OR AS MARKED BY THEIR OWNERS & NO GUARANTEE IS EXPRESSED OR IMPLIED AS TO THE LOCATION OR EXISTENCE OF SAID UTILITIES. OTHER UTILITIES MAY EXIST ON OR NEAR THE PROPERTY SHOWN HEREON.  
THE UTILITIES SHOWN HEREON ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS AND DEPTHS PRIOR TO ANY CONSTRUCTION OR DEMOLITION WORK.  
THE CONTRACTOR IS TO NOTIFY KY 811 AND OTHER UTILITIES NOT ON THE KY 811 SYSTEM NO LESS THAN 3 DAYS PRIOR TO ANY WORK.
  4. ANY ZONING INFORMATION SHOWN HEREON IS BASED ON ZONING MAPS AND/OR AS PROVIDED BY THE LOCAL PLANNING & ZONING OFFICE. VERIFY ALL ZONING INFORMATION AND SETBACKS WITH THE LOCAL P&Z OFFICE.
  5. APPROXIMATE LOCATION AS POINTED OUT BY CITY OF LIBERTY UTILITY REPRESENTATIVE. NO VISIBLE EVIDENCE FOUND.
  6. ASPHALT, CONCRETE, AND CURB & GUTTER SHALL BE SAW CUT AT THE POINTS FOR SMOOTH, STRAIGHT EDGES. WHERE PROPOSED CONCRETE TIES TO EXISTING CONCRETE, 1/2" X 12" DOWELS SHALL BE INSTALLED 12" O.C.
  7. REMOVAL OF BUILDINGS SHALL INCLUDE, BUT NOT LIMITED TO REMOVAL OF STRUCTURE, FOOTERS, UTILITY CONNECTIONS, ETC.
  8. OTHER ITEMS MAY EXIST WITHIN THE PROJECT LIMITS THAT WERE NOT VISIBLE AT THE TIME OF SURVEY. THE CONTRACTOR SHALL REMOVE ANY AND ALL ITEMS NECESSARY TO CARRY OUT THE INTENT OF THE CONSTRUCTION AND/OR ARCHITECTURAL PLANS.
  9. ASPHALT AREAS WITH SIGNIFICANT CRACKING, AREAS THAT RUT DURING CONSTRUCTION ACTIVITIES, OR AREAS SHOWING SIGNS OF SUBGRADE FAILURE MAY ALSO NEED TO BE REMOVED AND REPLACED AT DIRECTION OF OWNER AND/OR ENGINEER.

-  = SIDEWALK REMOVAL
-  = CONCRETE ENTRANCE REMOVAL INCLUDES CURB & GUTTER
-  = BUILDING REMOVAL
-  = ASPHALT REMOVAL



**NEWCOMB OIL CO., LLC**  
 951 WITHROW CT.  
 BARDSTOWN, KY 40004



**LEBANON OFFICE:**  
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 LEBANON, KY 40033

**NATHAN ALLAN KING**  
 P.E. #24283 P.L.S. #3831  
 BUSINESS: (270) 692-0089  
 MOBILE: (270) 590-4603  
 Nathan@nkywm.net

REVISIONS:	DATE:

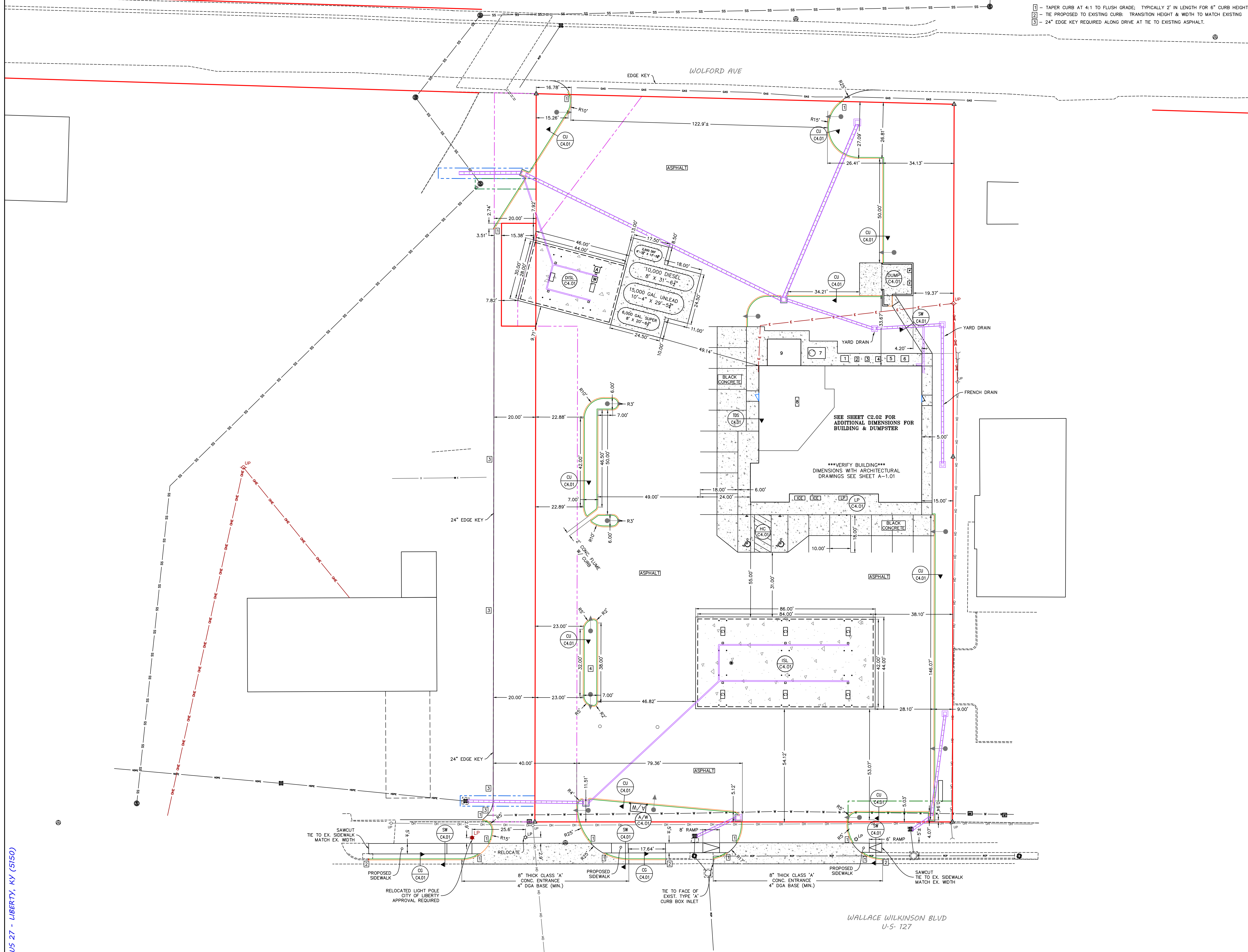
SCALE: 1" = 20'      DATE: 10-20-2020

SHEET: EXISTING CONDITIONS & DEMO      **CO.01**

US 27 - LIBERTY, KY (S150)

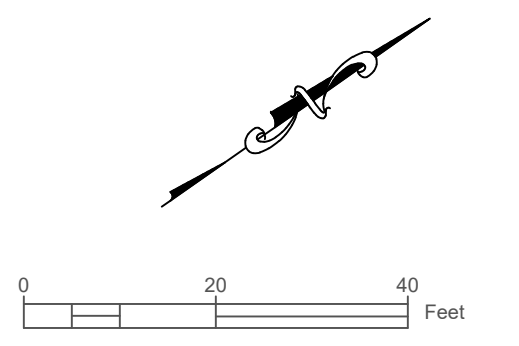
US 27 - LIBERTY, KY (S150)



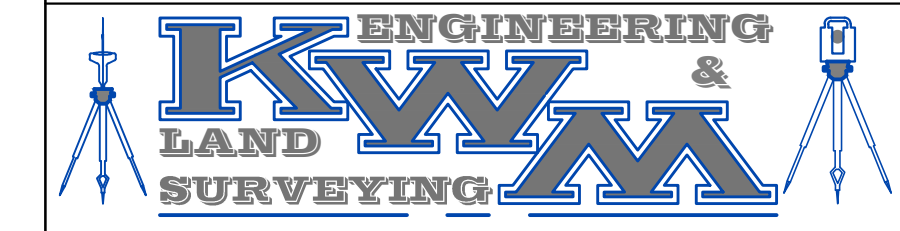


- NOTES:**
1. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION SHALL BEGIN PRIOR TO THE CONTRACTOR RECEIVING AND REVIEWING THE REQUIRED PERMITS AND APPROVALS.
  2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD 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 (SEE SHEET C3.01).
  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 DIMENSIONS AND COORDINATES SHOWN HEREON ARE TO THE EDGE OF THE RIGID CONCRETE, EDGE OF ASPHALT, FACE OF CURB, OR OUTSIDE FACE OF BUILDINGS/STRUCTURES.
  6. ALL RIGID PAVEMENT AND STONE SHALL MEET THE MATERIALS, EQUIPMENT, CONSTRUCTION, & TESTING REQUIREMENTS OF THESE DRAWINGS AND/OR THE KENTUCKY TRANSPORTATION CABINET STANDARD SPECIFICATIONS.
  7. ALL SETBACKS SHALL BE IN ACCORDANCE WITH THE LOCAL ZONING ORDINANCE.
  8. 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).
  9. ALL PAVEMENT MARKINGS WITHIN THE DEVELOPMENT SHALL BE PAINTED. ALL PAVEMENT MARKING ON CITY OR STATE R/W SHALL CONFORM TO THE REGULATIONS OF THEIR RESPECTIVE OWNER.
  10. ANY WORK WITHIN THE KYTC R/W WILL REQUIRE AN ENCROACHMENT PERMIT.

- SITE LEGEND**
- = LIGHT POLES/SECURITY LIGHT
  - BM = BENCHMARK
  - = PROPOSED STORM PIPE
  - ▨ = CONCRETE AREA
  - = PROPERTY LINES



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 Nathan@nkywm.net

REVISIONS:	DATE:
ADJUSTED REAR ENTRANCE, ASSOCIATED DRAINAGE	02-11-2021
DIMENSIONED RELOCATED LIGHT POLE	03-10-2021

SCALE: 1" = 20' DATE: 10-20-2020

SHEET: LAYOUT C1.01

US 27 - LIBERTY, KY (S150)

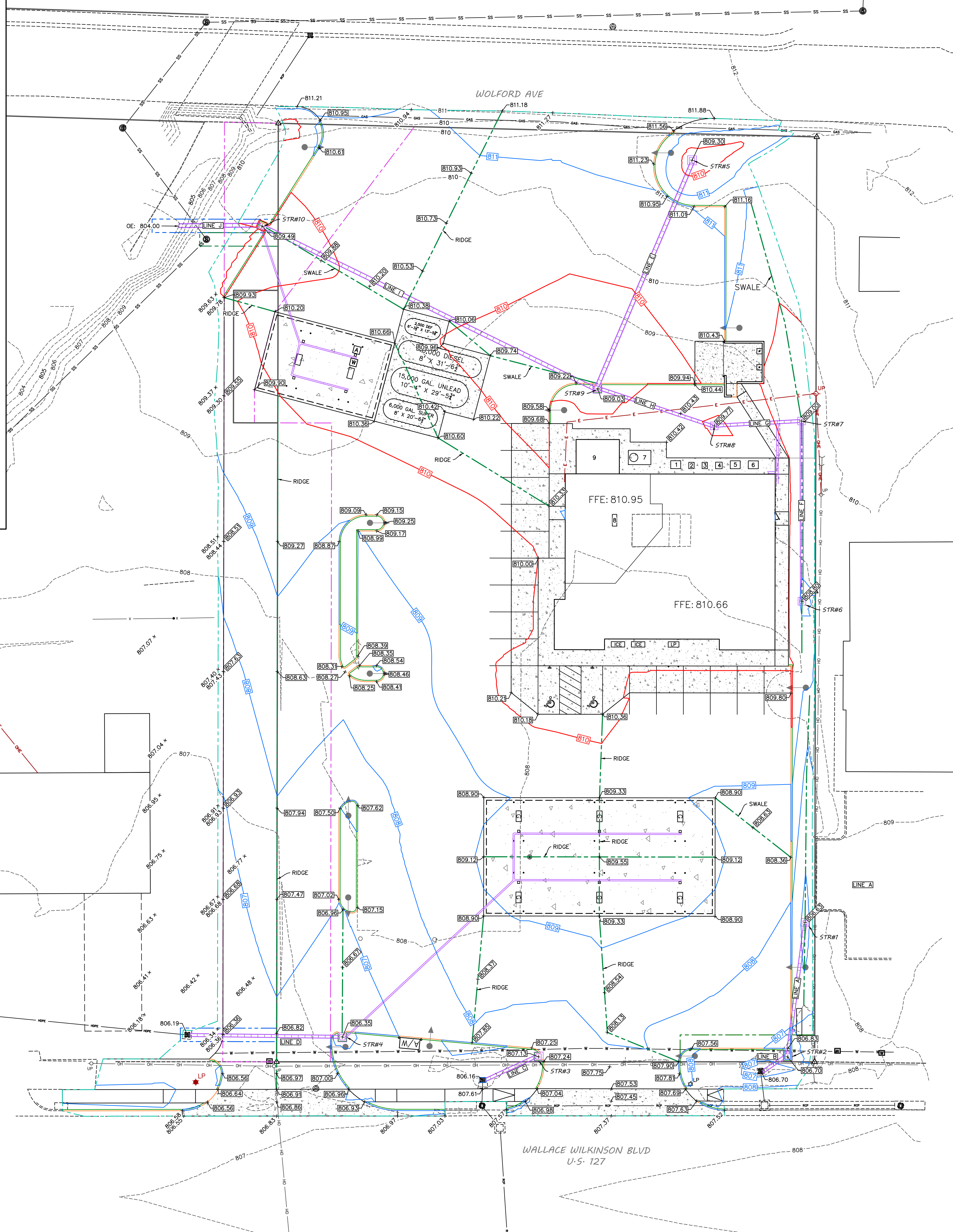
US 27 - LIBERTY, KY (S150)



PIPE TABLE				
NAME	SIZE (INCHES)	LENGTH (FT)	SLOPE (%)	COMMENTS
LINE A	12	49	1.0±	
LINE B	12	11	1.0±	CONNECT TO EXISTING DBI - INV: 804.25
LINE C	12	22	3.0±	CONNECT TO EXISTING DBI - INV: 803.46
LINE D	12	56	1.0±	CONNECT TO EXISTING DBI - INV: 802.27
LINE E	15	91	1.0±	
LINE F	12	66	0.8±	FRENCH DRAIN - SEE DETAILS SHEET C4.01
LINE G	12	31	0.8±	
LINE H	12	45	0.8±	
LINE I	15	137	1.0±	
LINE J	15	31	1.0±	DOWNSTREAM OUTLET, 4'X8' RIPRAP OUTLET PROTECTION

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.

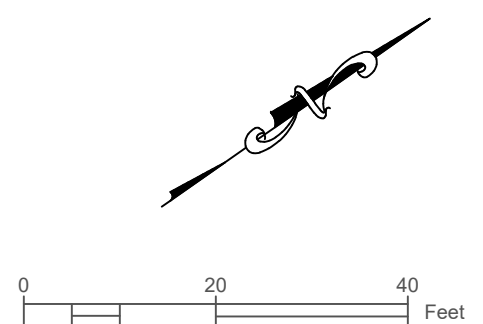
STRUCTURE TABLE			
NAME	DETAILS	TYPE	GRATE
STR#1	T.G. = 806.63 INV OUT = 804.85 (LINE A)	18" X 18" STD. DBI DROP BOX INLET OR EQUIV.	JBS 7509 OR APPROVED EQUIV.
STR#2	T.G. = 806.70 INV IN = 804.36 (LINE A) INV OUT = 804.36 (LINE B)	24" X 24" STD. DBI DROP BOX INLET OR EQUIV.	JBS 4075 OR APPROVED EQUIV.
STR#3	T.G. = 807.13 INV OUT = 804.13 (LINE C)	24" X 24" STD. DBI DROP BOX INLET OR EQUIV.	JBS 4075 OR APPROVED EQUIV.
STR#4	T.G. = 806.35 INV OUT = 803.85 (LINE D)	24" X 24" STD. DBI DROP BOX INLET OR EQUIV.	JBS 4075 OR APPROVED EQUIV.
STR#5	T.G. = 809.30 INV OUT = 806.60 (LINE E)	24" X 24" STD. DBI DROP BOX INLET OR EQUIV.	JBS 7514 OR APPROVED EQUIV.
STR#6	T.G. = 808.80 INV OUT = 806.80 (LINE F)	18" X 18" STD. DBI DROP BOX INLET OR EQUIV.	JBS 7509 OR APPROVED EQUIV.
STR#7	T.G. = 809.00 INV IN = 806.29 (LINE F) INV OUT = 806.29 (LINE G)	18" X 18" STD. DBI DROP BOX INLET OR EQUIV.	JBS 7509 OR APPROVED EQUIV.
STR#8	T.G. = 809.77 INV IN = 806.04 (LINE G) INV OUT = 806.04 (LINE H)	18" X 18" STD. DBI DROP BOX INLET OR EQUIV.	JBS 7509 OR APPROVED EQUIV.
STR#9	T.G. = 809.03 INV IN = 805.69 (LINE E) INV IN = 805.69 (LINE H) INV OUT = 805.69 (LINE I)	24" X 24" STD. DBI DROP BOX INLET OR EQUIV.	JBS 7514 OR APPROVED EQUIV.
STR#10	T.G. = 809.49 INV IN = 804.31 (LINE I) INV OUT = 804.31 (LINE J)	24" X 24" STD. DBI DROP BOX INLET OR EQUIV.	JBS 7514 OR APPROVED EQUIV.



- NOTES:**
- PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED 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.
  - NO DISTURBANCE TO THE NATURAL GROUND SHALL TAKE PLACE PRIOR TO HAVING THE PROPOSED EROSION CONTROL PLAN APPROVED AND IN PLACE.
  - 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 SPOT ELEVATIONS SHOWN ARE TO THE BOTTOM FACE OF CURB OR SIDEWALK.
  - THE APPROPRIATE 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.
  - ALL SETBACKS SHALL BE IN ACCORDANCE WITH THE LOCAL ZONING ORDINANCE.
  - 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.
  - THE CONTRACTOR SHALL VERIFY POSITIVE FLOW FOR ALL STORM SEWER PIPE. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
  - ALL DISTURBED AREAS OUTSIDE THE PROJECT LIMITS, INCLUDING ADJOINING PROPERTIES AND/OR RIGHT-OF-WAY SHALL BE REPAIRED, SEEDED, AND STRAWED.
  - 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
- +690.00 = PROPOSED GRADE SPOT SHOT
- +690.001 = INDICATES TOP OF CURB/SIDEWALK
- +690.00 = EXISTING GRADE SPOT SHOT
- = PROPOSED STORM PIPE
- = CONCRETE AREA
- = PROPERTY LINES
- = EXISTING CONTOURS
- = PROPOSED CONTOURS
- = DISTURB LIMITS



US 27 - LIBERTY, KY (S150)

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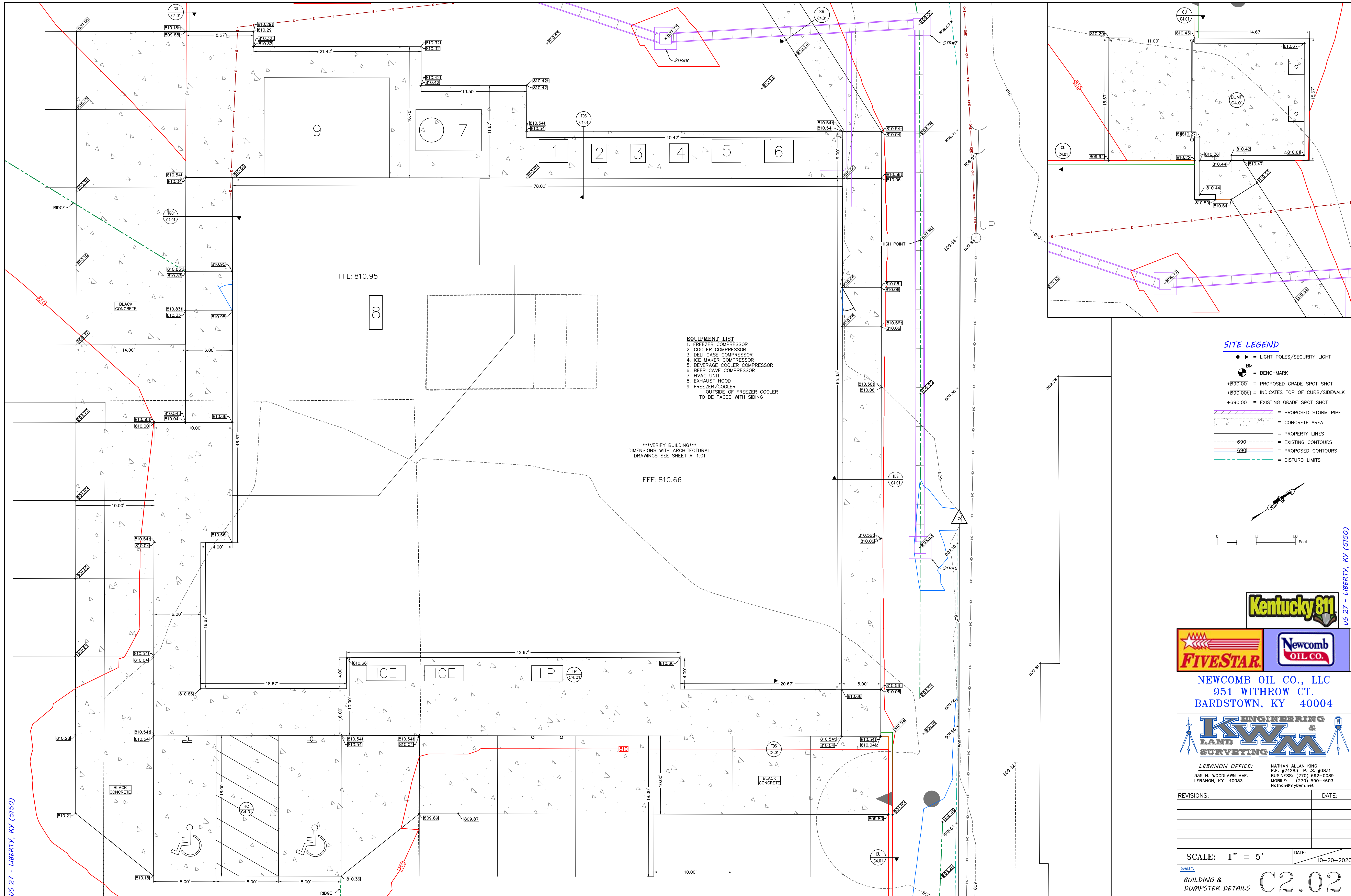
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REVISIONS:	DATE:
ADJUSTED REAR ENTRANCE, ASSOCIATED DRAINAGE	02-11-2021

SCALE: 1" = 20' DATE: 10-20-2020

SHEET: GRADING & DRAINAGE **C2.01**



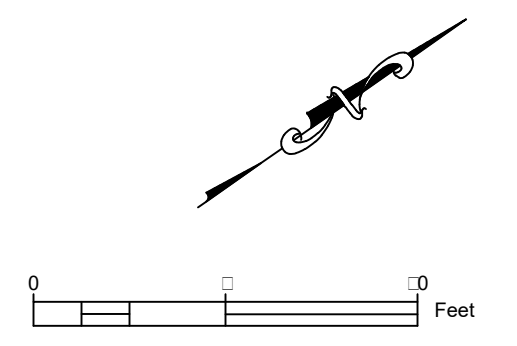


- EQUIPMENT LIST**
1. FREEZER COMPRESSOR
  2. COOLER COMPRESSOR
  3. DELI CASE COMPRESSOR
  4. ICE MAKER COMPRESSOR
  5. BEVERAGE COOLER COMPRESSOR
  6. BEER CASE COMPRESSOR
  7. HVAC UNIT
  8. EXHAUST HOOD
  9. FREEZER/COOLER  
— OUTSIDE OF FREEZER COOLER  
TO BE FACED WITH SIDING

\*\*\*VERIFY BUILDING\*\*\*  
DIMENSIONS WITH ARCHITECTURAL  
DRAWINGS SEE SHEET A-1.01

**SITE LEGEND**

- = LIGHT POLES/SECURITY LIGHT
- ⊙ = BENCHMARK
- +890.00 = PROPOSED GRADE SPOT SHOT
- +890.0001 = INDICATES TOP OF CURB/SIDEWALK
- +690.00 = EXISTING GRADE SPOT SHOT
- ▨ = PROPOSED STORM PIPE
- ▭ = CONCRETE AREA
- = PROPERTY LINES
- - - = EXISTING CONTOURS
- = PROPOSED CONTOURS
- - - = DISTURB LIMITS



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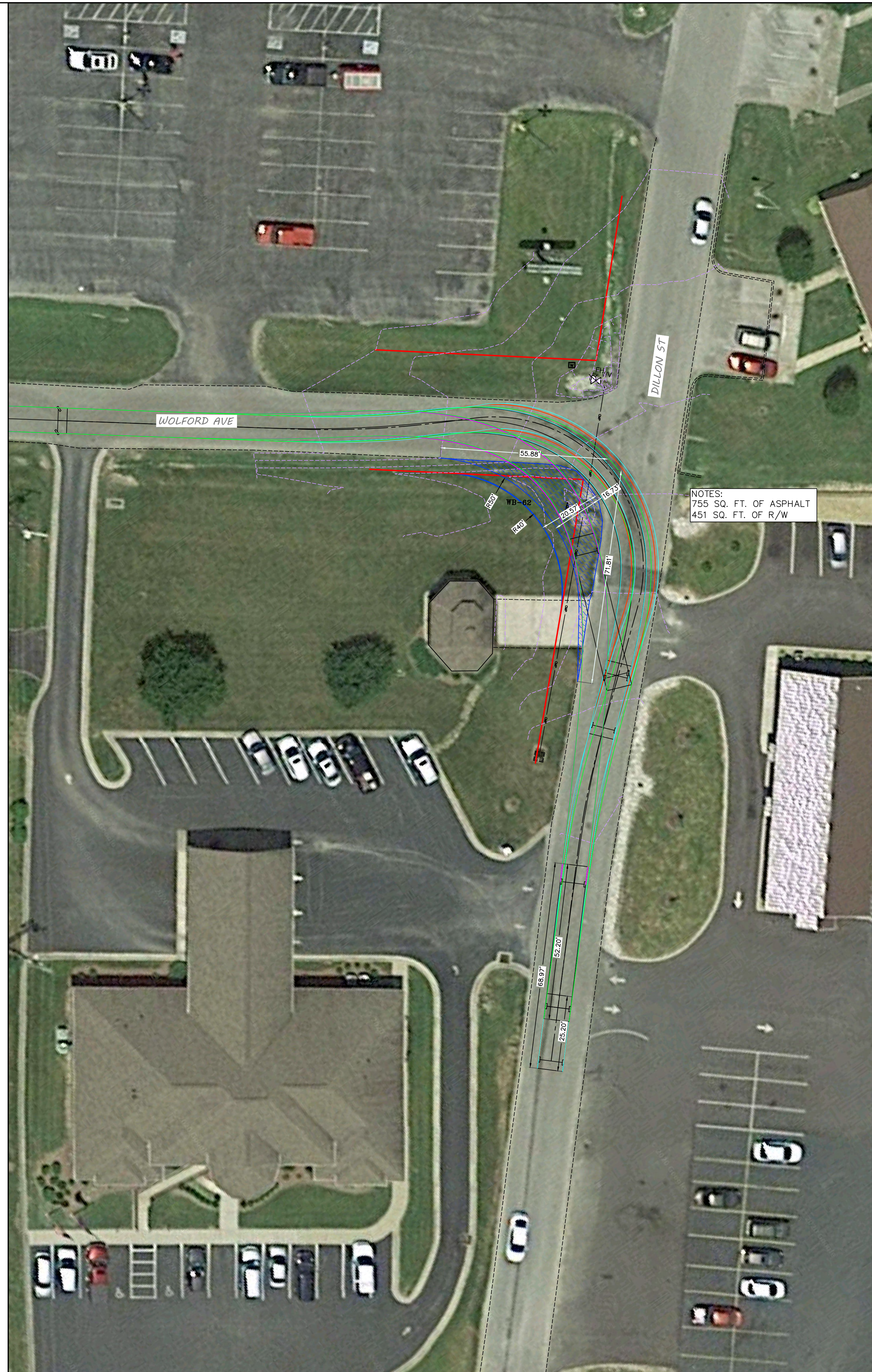
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SHEET: BUILDING & DUMPSTER DETAILS **C2.02**

US 27 - LIBERTY, KY (S150)

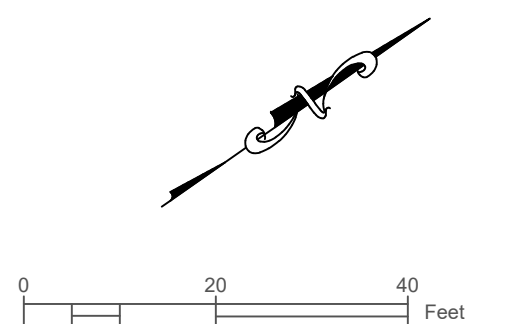
US 27 - LIBERTY, KY (S150)



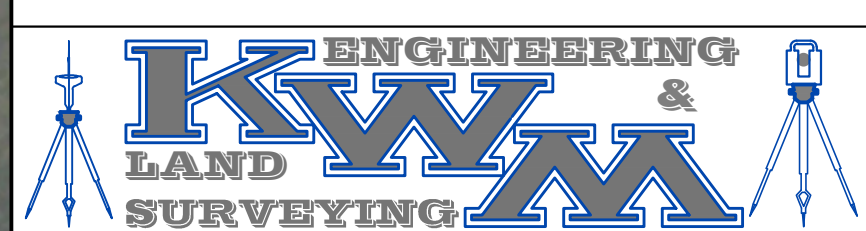


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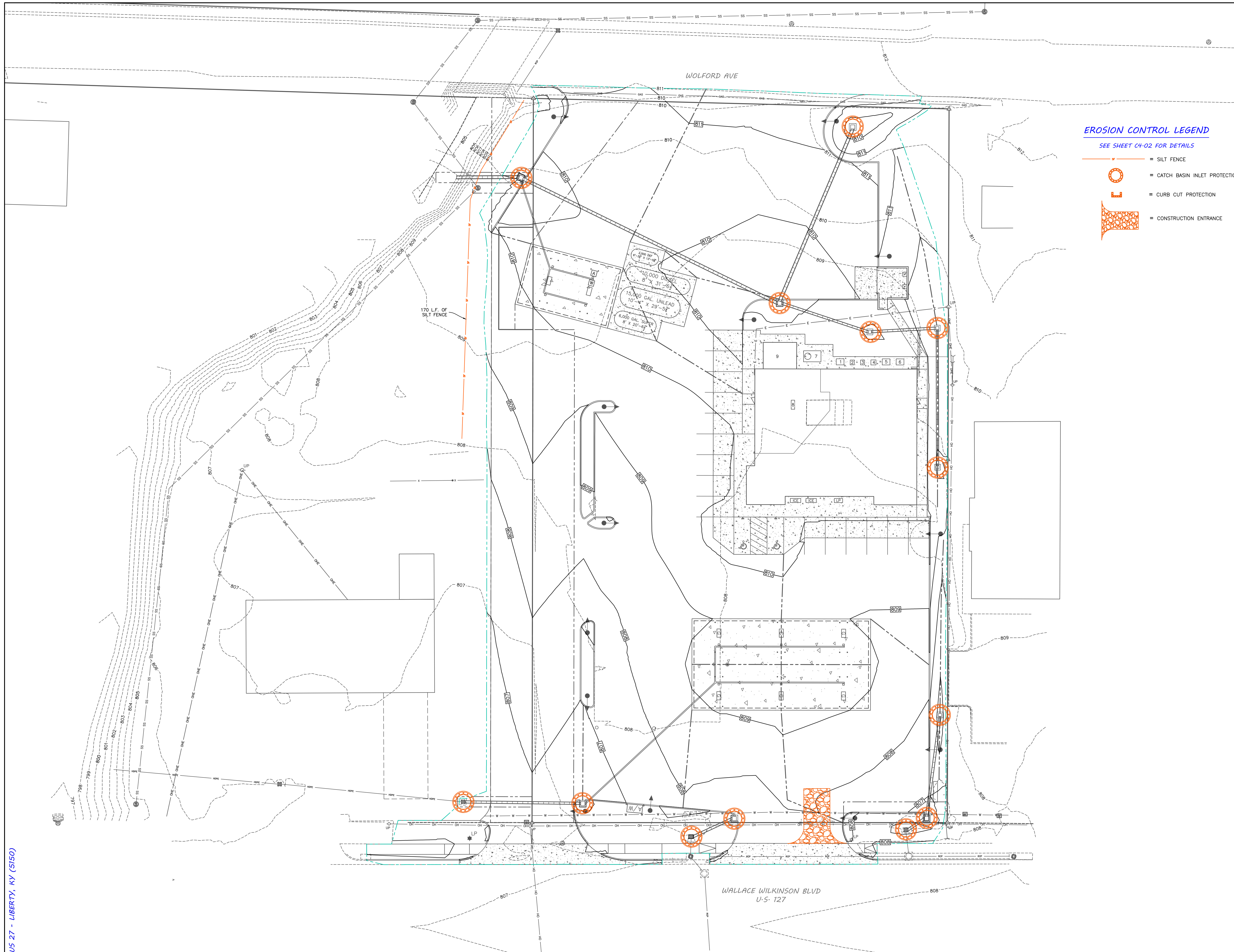
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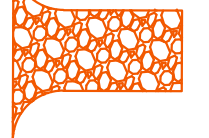
SCALE: 1" = 20' DATE: 10-20-2020

SHEET: INTERSECTION UPGRADES C2.03





**EROSION CONTROL LEGEND**  
SEE SHEET C4-02 FOR DETAILS

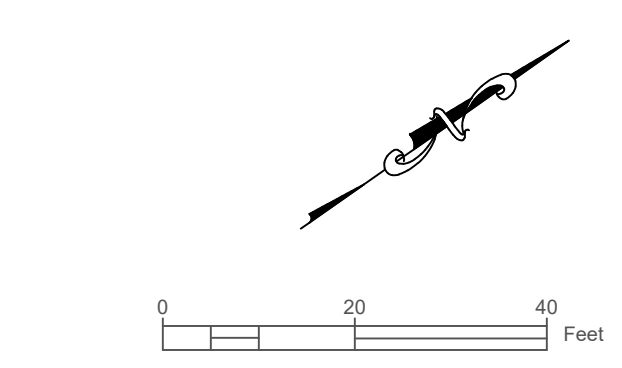
-  = SILT FENCE
-  = CATCH BASIN INLET PROTECTION
-  = CURB CUT PROTECTION
-  = CONSTRUCTION ENTRANCE

**BEST MANAGEMENT PRACTICES:**

1. 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.
2. THE CONTRACTOR IS TO TAKE IMMEDIATE ACTION TO CLEAN UP SPILLS OF ILLUOT 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.
3. CONTRACTOR SHALL SECURE THE K.P.D.E.S NOTIFICATION OF COVERAGE PRIOR TO LAND DISTURBING ACTIVITIES. THE NOI MUST BE SUBMITTED AS REQUIRED BY THE KENTUCKY DIVISION OF WATER (KDOW).
4. THE CONTRACTOR IS TO KEEP A SIGNED AND SEALED EROSION CONTROL PLAN ON SITE AND MAKE IT AVAILABLE TO INSPECTORS AS REQUIRED.
5. ANY DEVIATIONS FROM THIS PLAN SHALL BE MARKED ON SAME WITH AN EXPLANATION OF WHY IT WAS NEEDED.
6. IF A SPILL OF AN ILLUOT MATERIAL ENTER A WATERWAY OR STORM SEWER, CONTACT THE KDOW 502-564-2380.

**EROSION CONTROL NOTES:**

1. 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.
2. 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 HEREIN 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. OFFSITE WASTE AREAS SHALL BE PROTECTED WITH SILT FENCE AND/OR SEEDED AND MULCHED TO PREVENT EROSION.

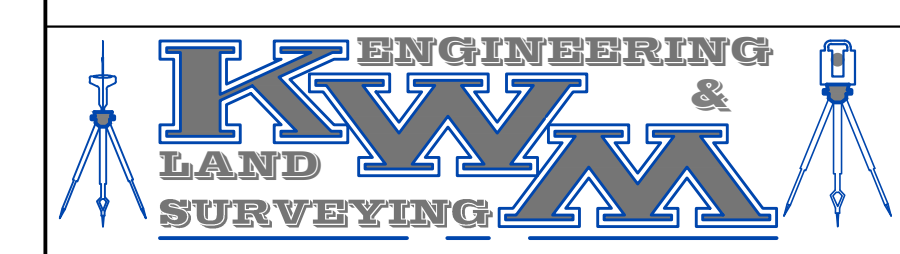


US 27 - LIBERTY, KY (5150)

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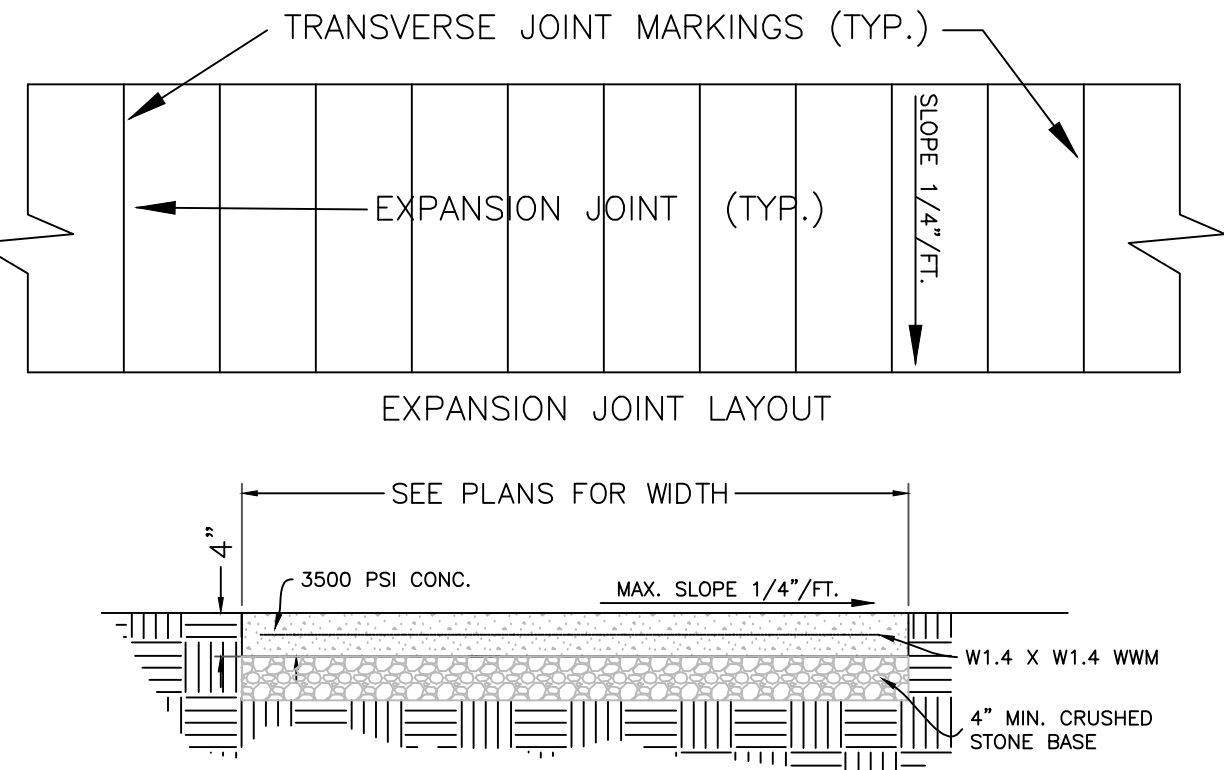
REVISIONS:	DATE:
ADJUSTED REAR ENTRANCE, ASSOCIATED DRAINAGE	02-11-2021

SCALE: 1" = 20'      DATE: 10-20-2020

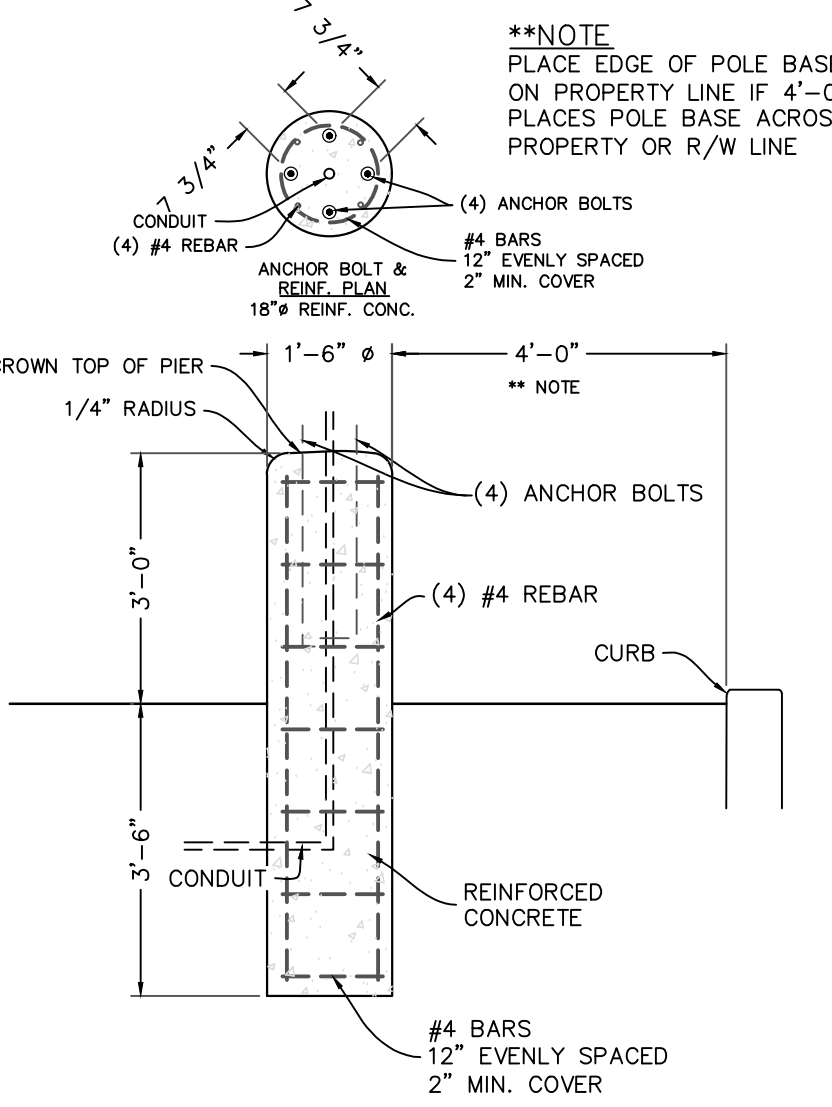
SHEET: **EROSION & SEDIMENT CONTROL C3.01**



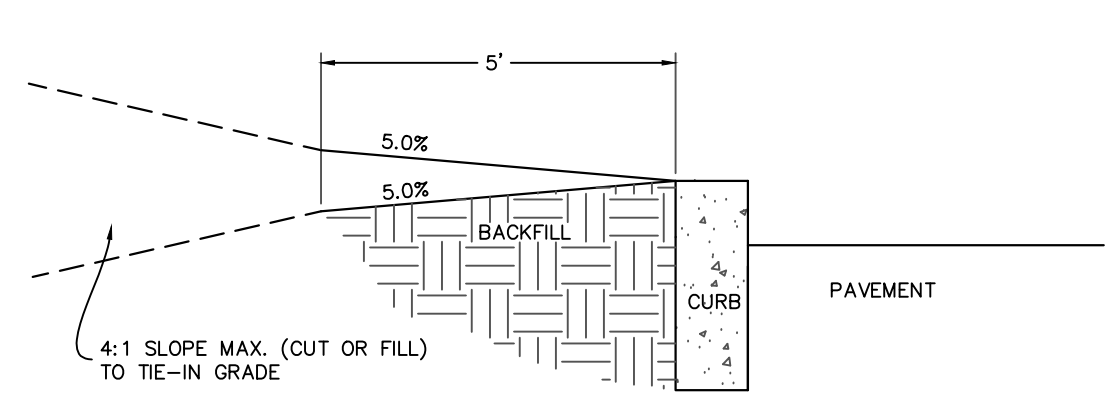
NOTES:  
 1. PROVIDE 1/2" EXP. JOINT BETWEEN ALL FIXED OBJECTS AND WALK.  
 2. PROVIDE TRANSVERSE CONTRACTION JOINTS EVERY 6'.  
 3. PROVIDE EXP. JOINTS (1/2") AT INTERSECTIONS OF DIFFERENT WALKS AND EVERY 30' O.C. ON STRAIGHT RUNS.  
 4. PROVIDE EXP. JOINTS A MINIMUM OF 5 FT. FROM INLET STRUCTURES.



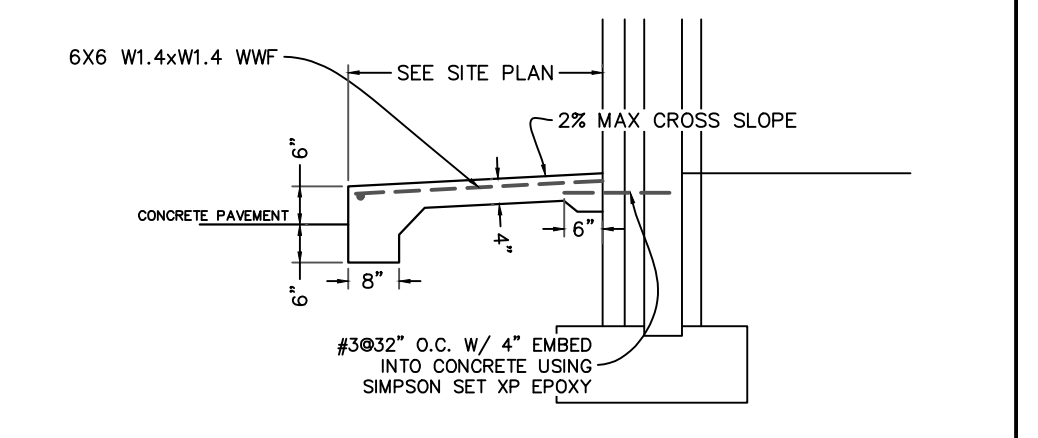
**SW CONCRETE SIDEWALK**  
 C4.01 N.T.S.



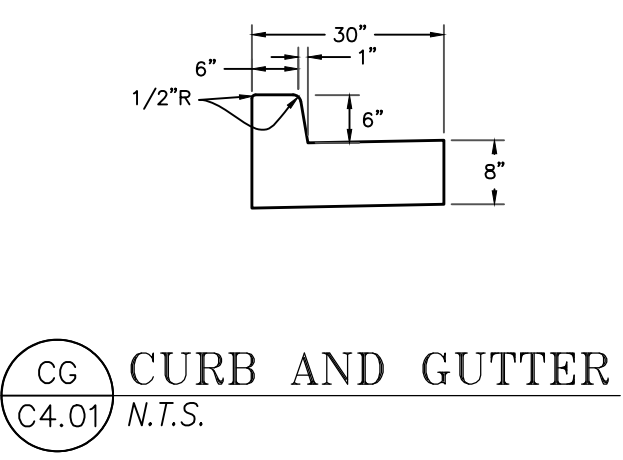
**LIGHT POLE BASE DETAIL**  
 N.T.S.



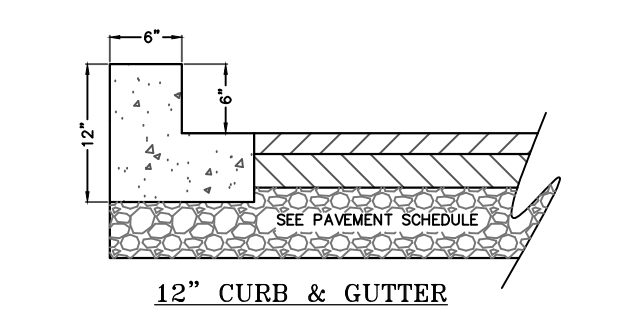
**CURB BACKFILL DETAIL**  
 N.T.S. (UNLESS OTHERWISE NOTED ON PLANS)



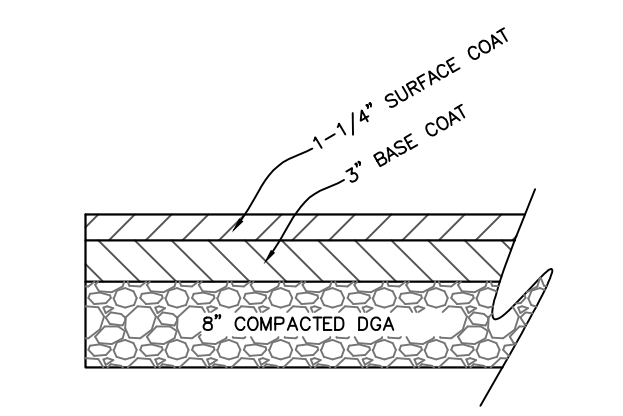
**TDS TURNDOWN SIDEWALK DETAIL**  
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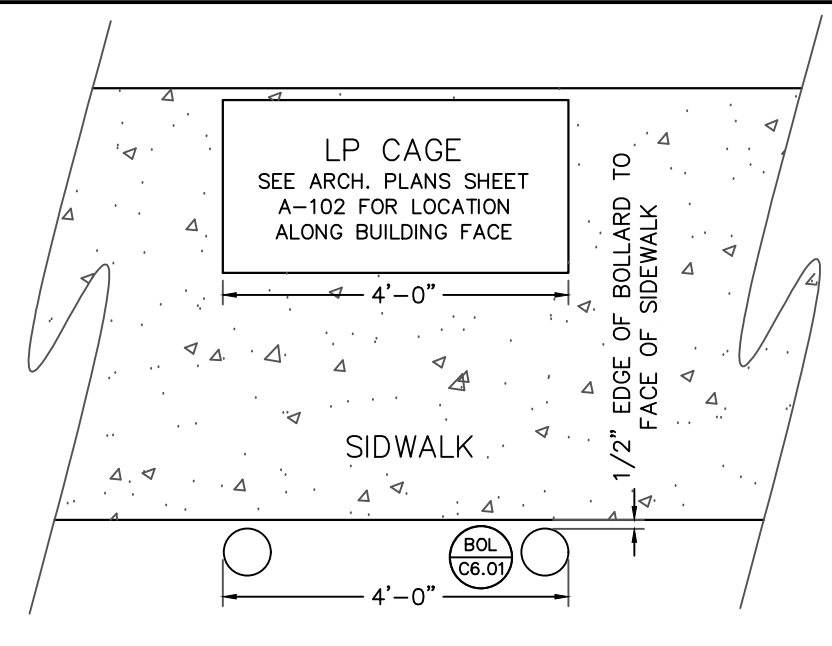
**CG CURB AND GUTTER**  
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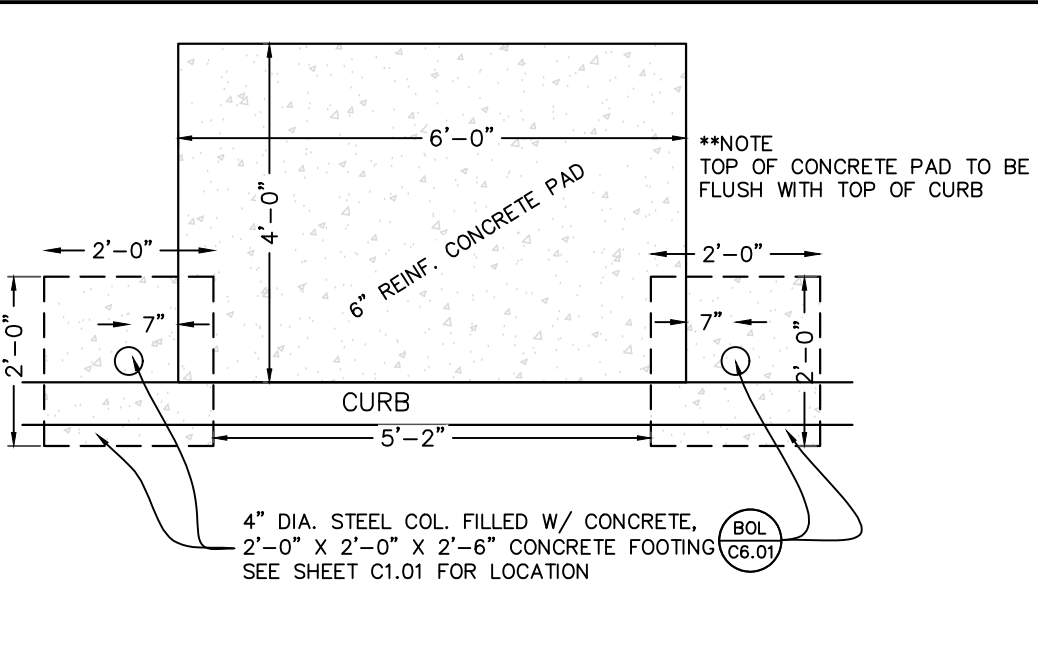
**CU CURB DETAIL**  
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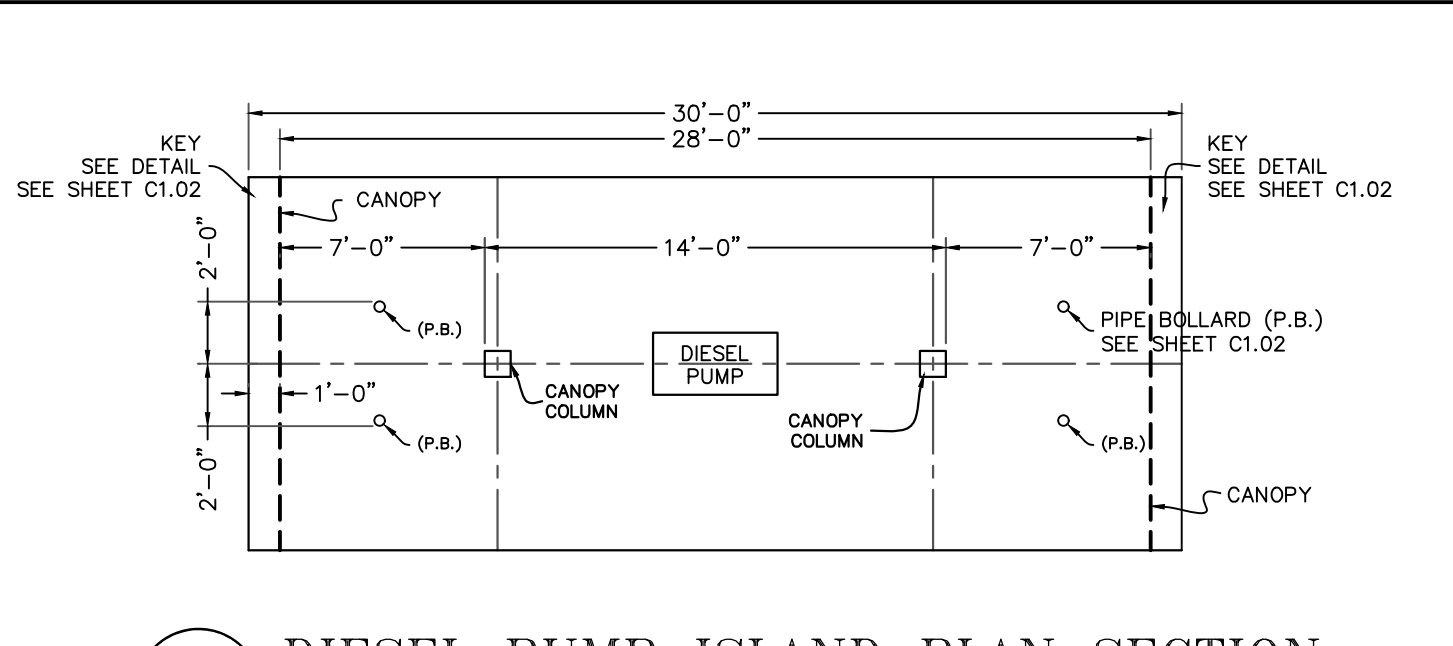
**ASPHALT PAVEMENT SCHEDULE FOR PRIVATE PAVED AREAS**



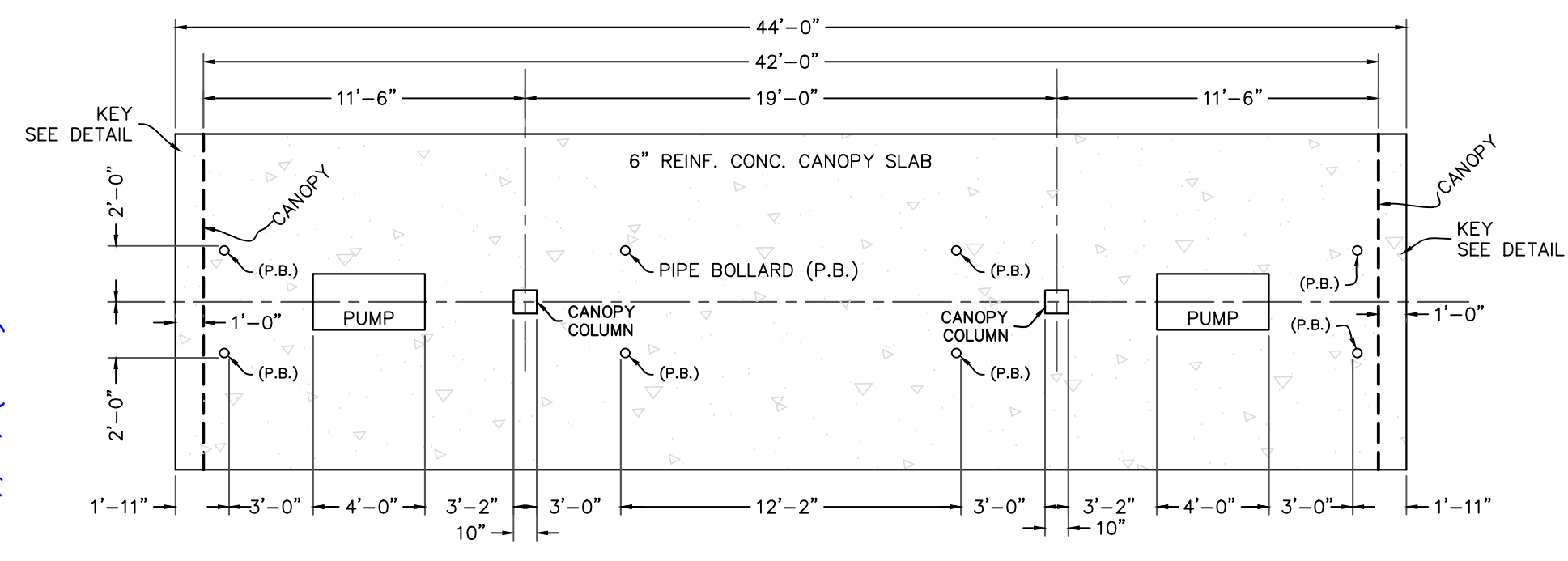
**LP LP CAGE DETAIL**  
 C4.01 N.T.S.



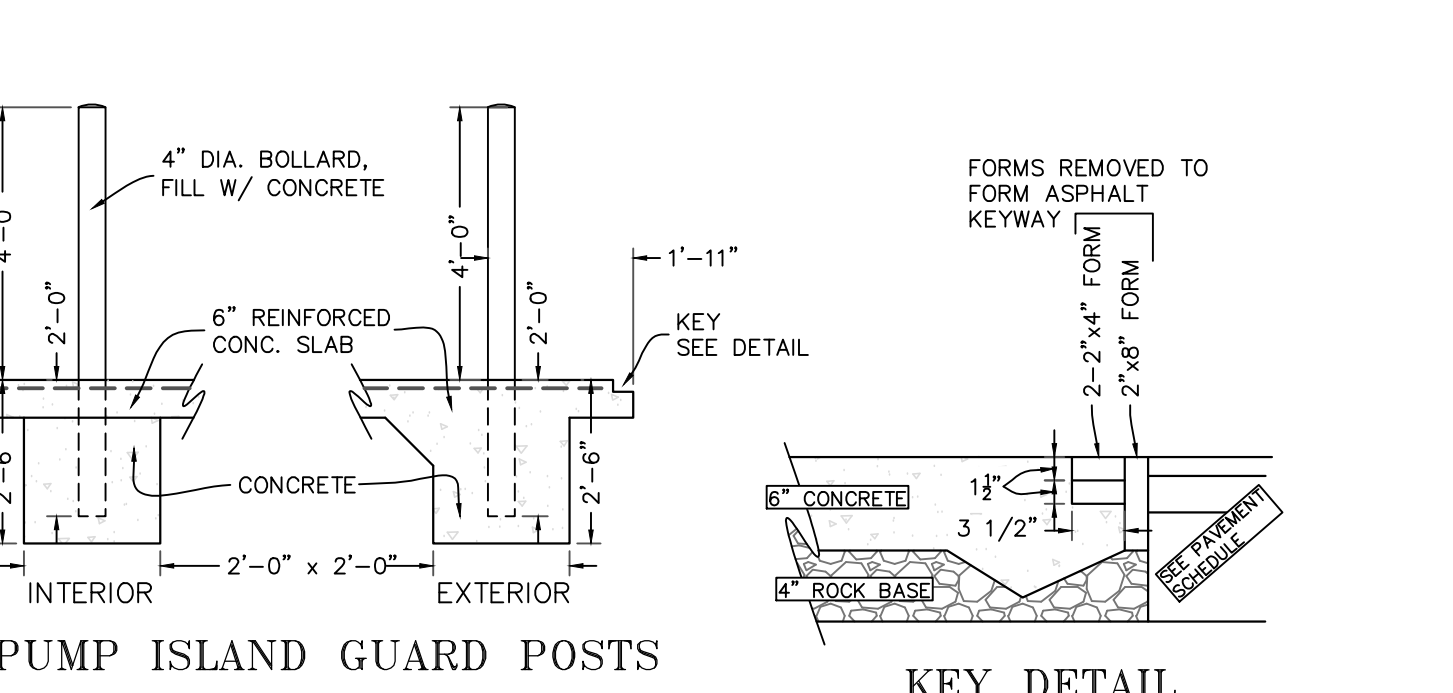
**A/W AIR & WATER CONC. PAD**  
 C4.01 N.T.S.



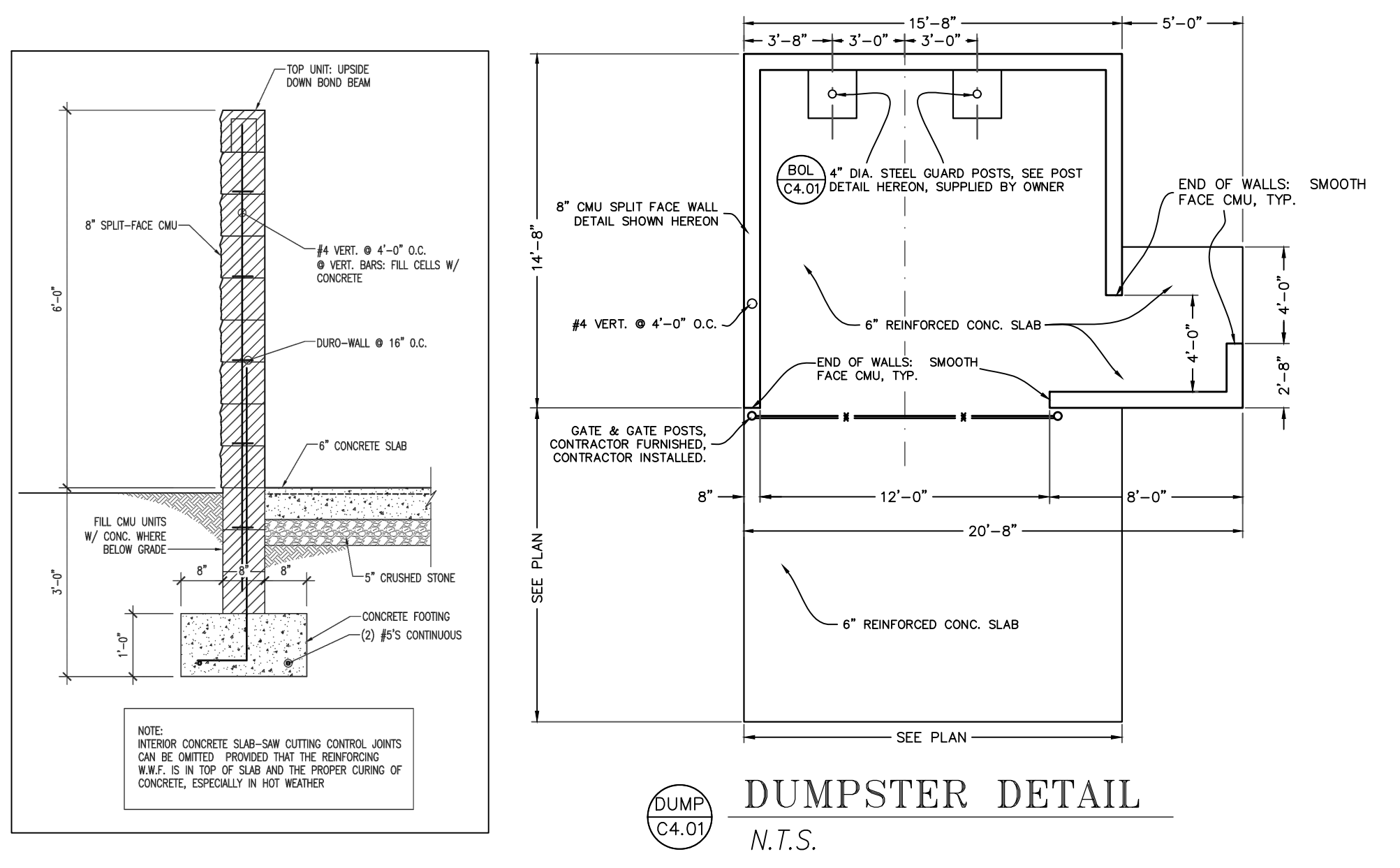
**DISL DIESEL PUMP ISLAND PLAN SECTION**  
 C4.01 N.T.S.



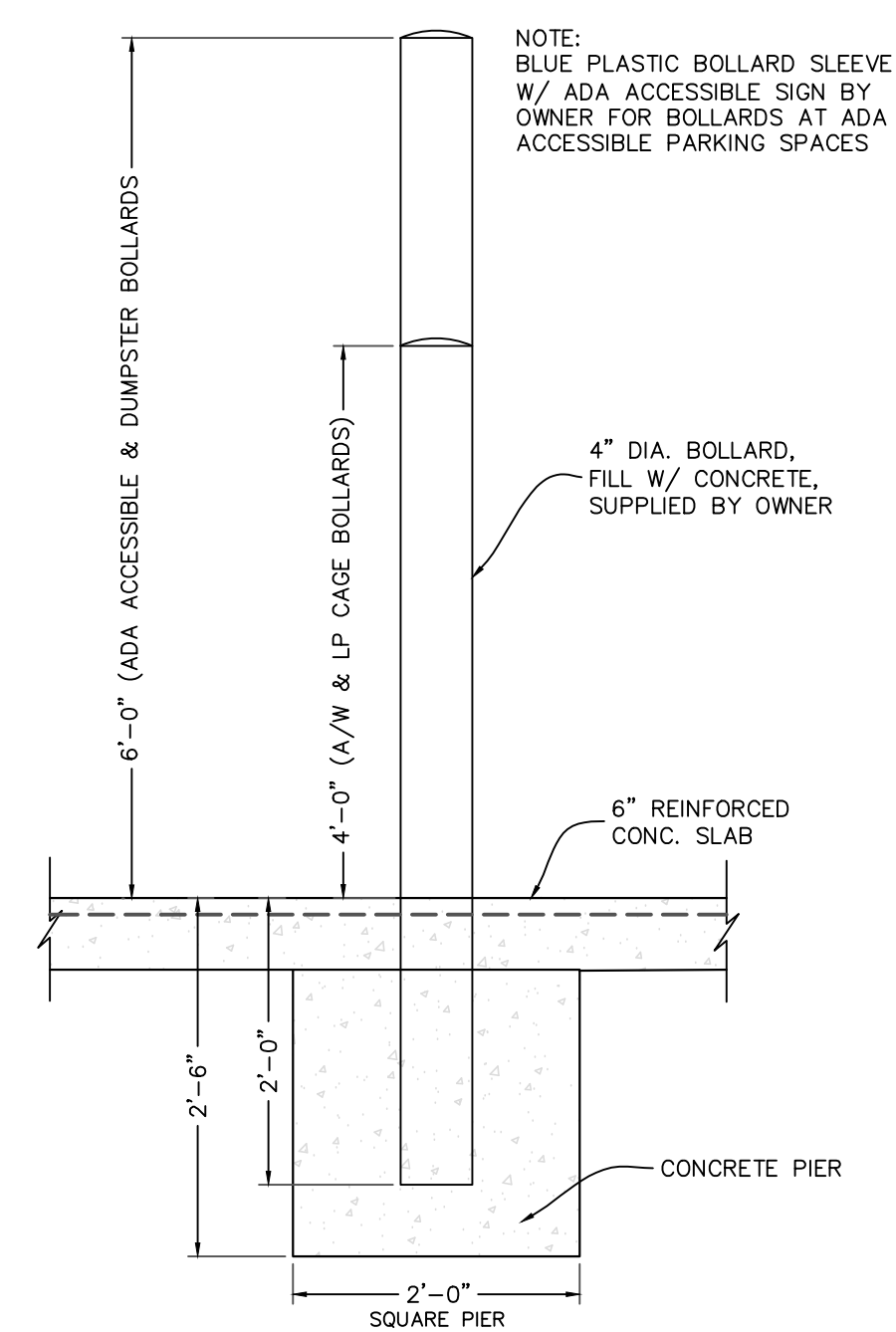
**ISL PUMP ISLAND PLAN SECTION**  
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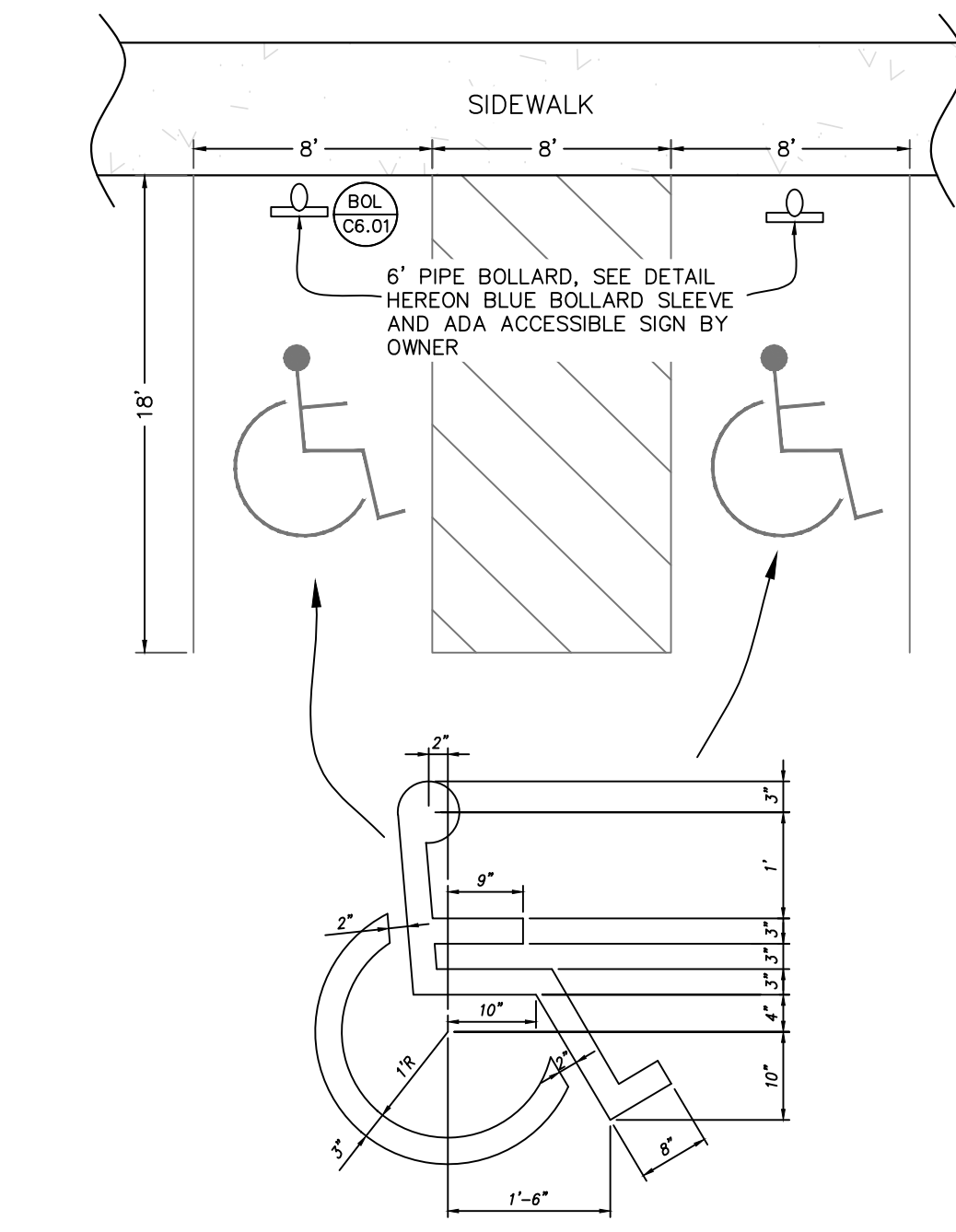
**PUMP ISLAND GUARD POSTS**  
 KEY DETAIL



**DUMPSTER DETAIL**  
 C4.01 N.T.S.



**BOL PIPE BOLLARD DETAIL**  
 C4.01 N.T.S.



**HC ADA ACCESSIBLE SPACE DETAIL**  
 C4.01 N.T.S.

US 27 - LIBERTY, KY (S150)

US 27 - LIBERTY, KY (S150)

**Kentucky 811**

**FIVE STAR** **Newcomb OIL CO.**

**NEWCOMB OIL CO., LLC**  
 951 WITHROW CT.  
 BARDSTOWN, KY 40004

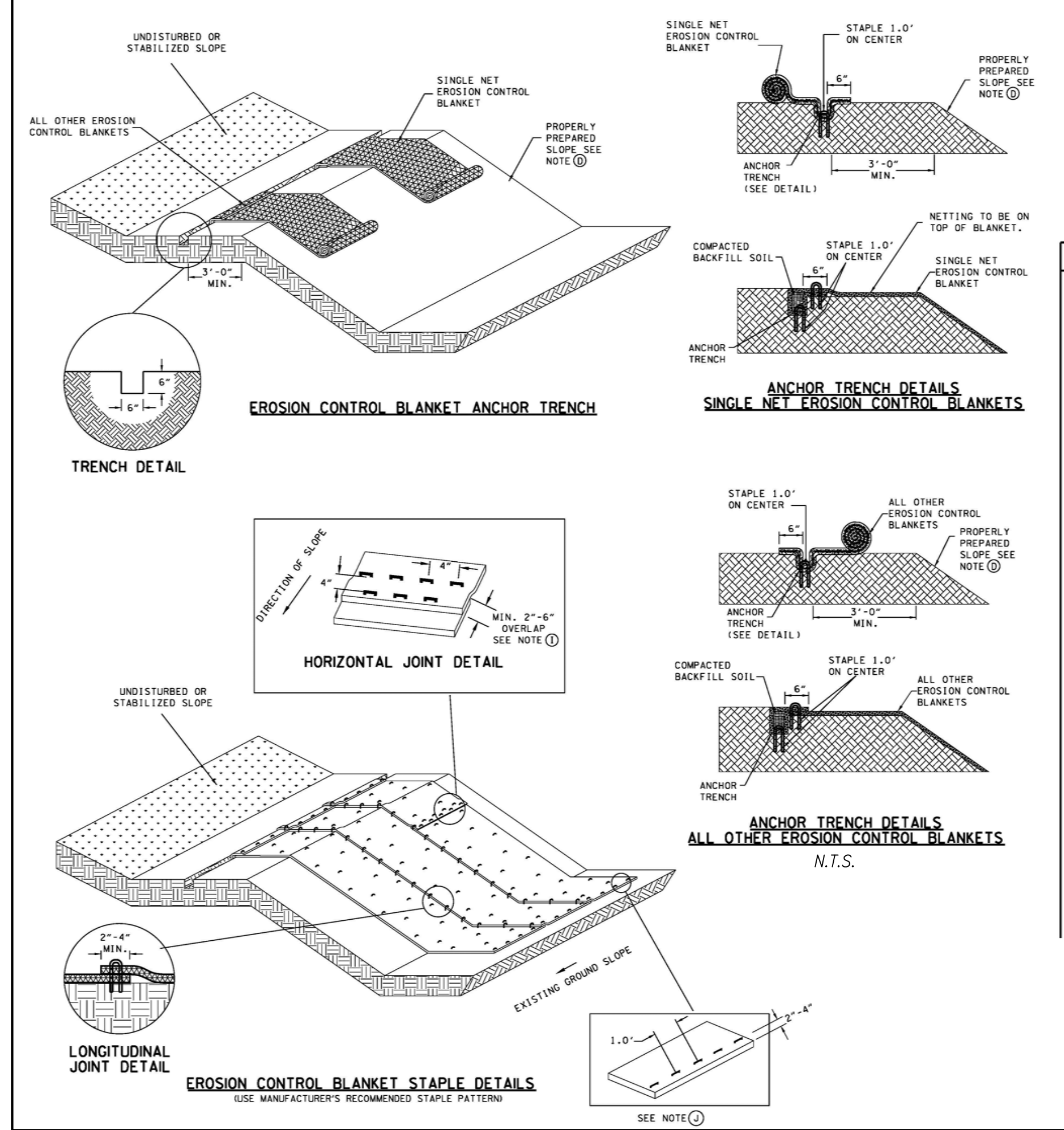
**KW ENGINEERING & LAND SURVEYING**

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 335 N. WOODLAWN AVE.  
 LEBANON, KY 40033

NATHAN ALLAN KING  
 P.E. #24283 P.L.S. #3831  
 BUSINESS: (270) 692-0089  
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 Nathan@nykw.com

REVISIONS:	DATE:
EDITS PER REVIEW	09/10/2020
NOT TO SCALE	DATE: 10-20-2020
SHEET:	
LAYOUT DETAILS	<b>C4.01</b>

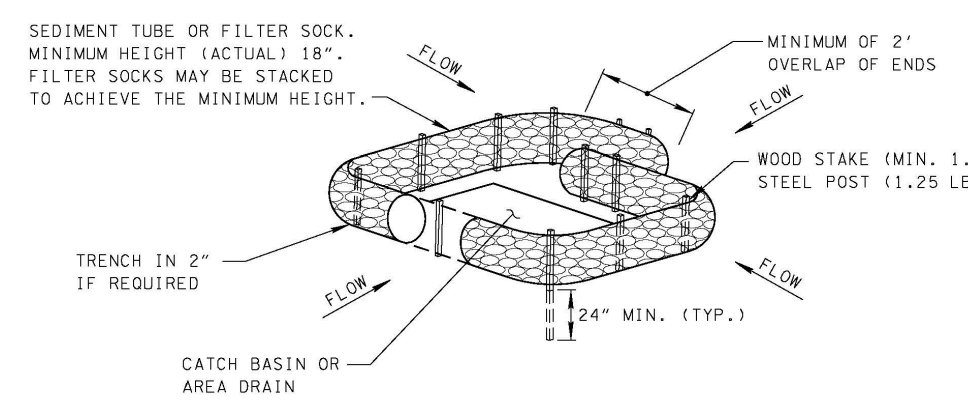




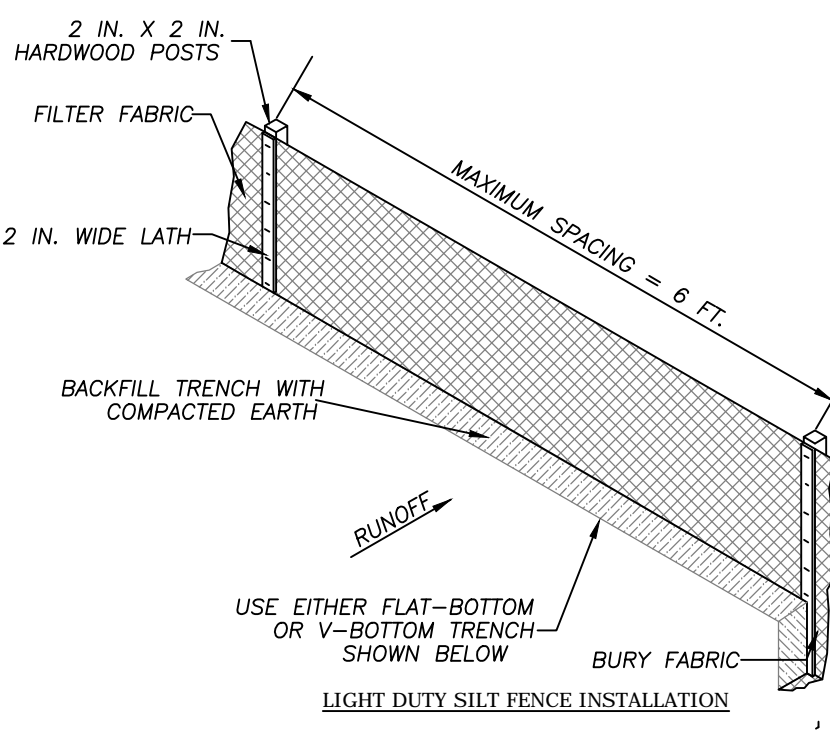
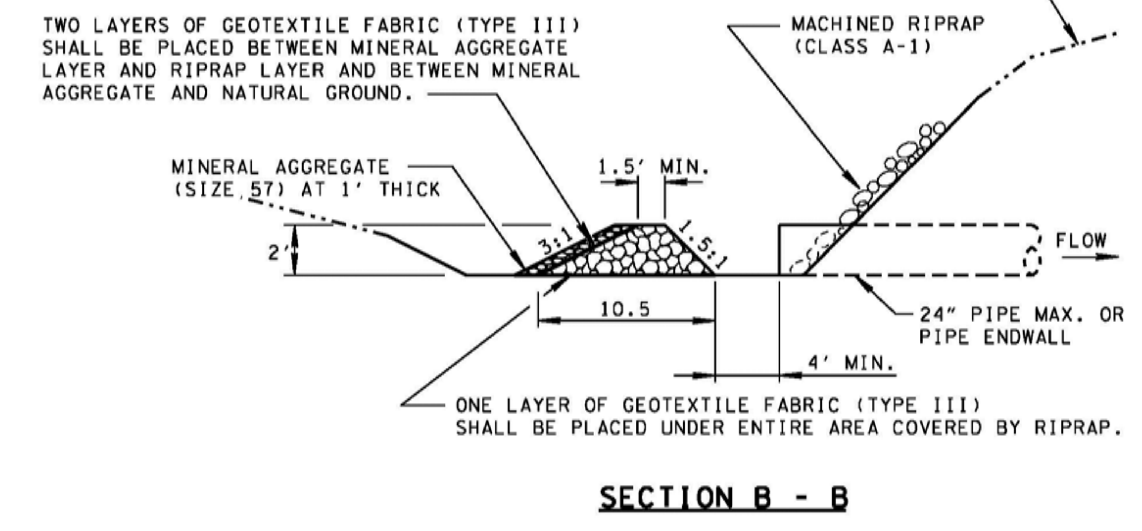
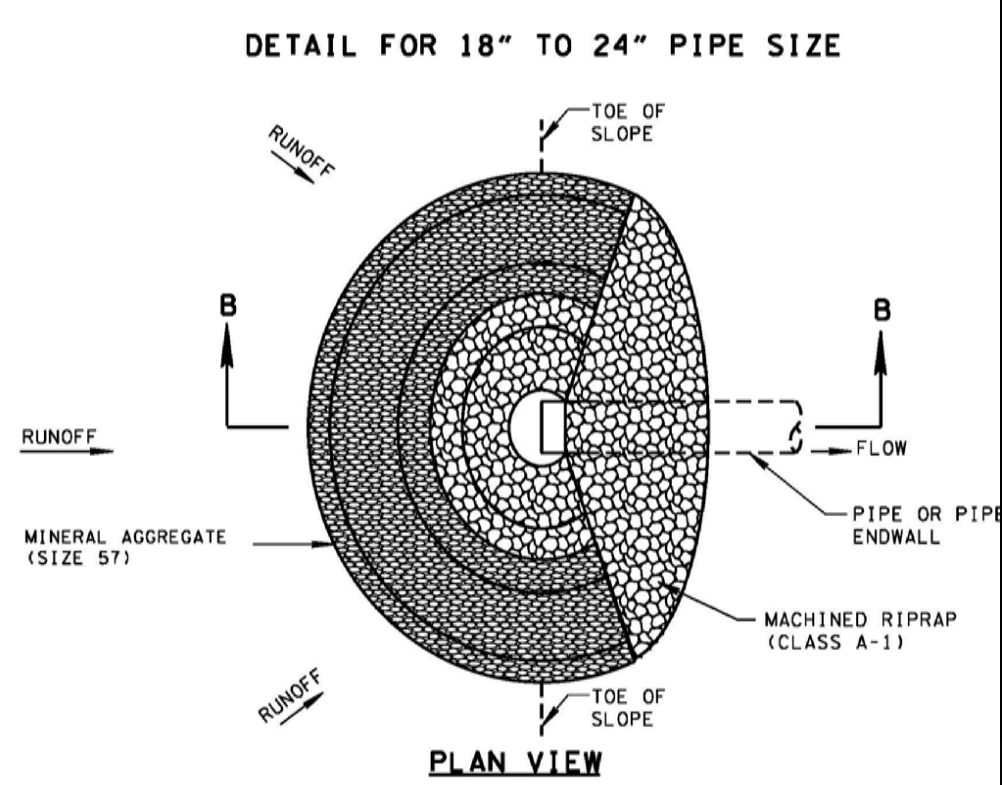
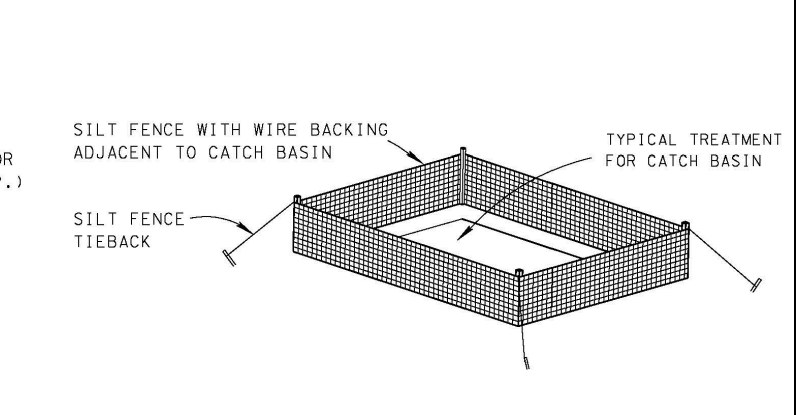
**EROSION CONTROL BLANKET SLOPE INSTALLATION GENERAL NOTES**

- EROSION CONTROL BLANKETS ARE INTENDED TO BE USED AS AN IMMEDIATE MULCH COVER FOR DISTURBED SLOPES THAT HAVE BEEN TEMPORARILY OR PERMANENTLY SEEDED.
- EROSION CONTROL BLANKETS MAY ALSO BE USED AS CHANNEL LINERS WHERE THE ANTICIPATED MAXIMUM SHEAR STRESS IS LOW. REFER TO EC-STP-36 FOR INSTALLATION DETAILS.
- EROSION CONTROL BLANKETS SHALL BE INSTALLED ACCORDING TO MANUFACTURERS SPECIFICATIONS. WHEN NOT AVAILABLE, INSTALL ACCORDING TO NOTES D THRU J.
- STEP ONE - SITE PREPARATION**  
THE SITE SHOULD BE FINE GRADED TO A SMOOTH PROFILE AND RELATIVELY FREE FROM ALL WEEDS, CLODS, STONES, ROOTS, STICKS, RIVULETS, GULLIES, CRUSTING AND CAIKING. FILL ANY VOIDS AND MAKE SURE THE SLOPE IS COMPACTED PROPERLY.
- STEP TWO - SEEDING**  
SEEDING WITHOUT MULCH SHOULD BE APPLIED TO THE AREA TO BE VEGETATED.
- STEP THREE - PREPARE THE ANCHOR TRENCH**  
AT THE TOP OF THE SLOPE EXCAVATE AN ANCHOR TRENCH 6 INCHES DEEP BY 6 INCHES WIDE. THE EROSION CONTROL BLANKET WILL BE ANCHORED INTO THE TRENCH BY STAPLES. ALLOW A MINIMUM OF 3 FEET FROM THE CREST OF THE SLOPE TO THE ANCHOR TRENCH.
- STEP FOUR - SECURE THE EROSION CONTROL BLANKET IN THE ANCHOR TRENCH**  
BEGIN EROSION CONTROL BLANKET PLACEMENT 30 INCHES ABOVE THE ANCHOR TRENCH. RUN THE EROSION CONTROL BLANKET INTO THE ANCHOR TRENCH. ANCHOR THE EROSION CONTROL BLANKET WITH STAPLES ONE FOOT ON CENTER IN THE ANCHOR TRENCH. BE SURE TO DRIVE STAPLES OR STAKES FLUSH WITH THE SOIL SURFACE. BACKFILL THE ANCHOR TRENCH AND COMPACT THE SOIL. PLACE SEED OVER THE COMPACTED SOIL. COVER THE COMPACTED SOIL WITH THE REMAINING 12 INCHES OF THE TERMINAL END OF THE EROSION CONTROL BLANKET. STAPLE OR STAKE TERMINAL END DOWN SLOPE OF THE ANCHOR TRENCH ON ONE FOOT CENTERS.
- STEP FIVE - EROSION CONTROL BLANKET DEPLOYMENT**  
STARTING AT THE CREST OF THE SLOPE, ROLL THE EROSION CONTROL BLANKET DOWN THE SLOPE IN A CONTROLLED MANNER. APPROXIMATELY EVERY 20-25 FEET PULL THE EROSION CONTROL BLANKET TO TAKE OUT ANY EXCESS SLACK. THE GOAL IS TO HAVE THE EROSION CONTROL BLANKET CONTOUR AND INITIATE CONTACT WITH THE SOIL.
- STEP SIX - STAPLE OR STAKE THE EROSION CONTROL BLANKET**  
SECURE THE OVERLAP OR THE EDGES WITH STAPLES. THE TYPICAL INSTALLATION WILL REQUIRE ONE STAPLE PLACED AT THREE TO FIVE FEET INTERVALS ALONG THE VERTICAL LENGTH OF THE EROSION CONTROL BLANKET. STAPLES SHOULD BE STAGGERED EVERY 18 TO 24 INCHES HORIZONTALLY ACROSS THE EROSION CONTROL BLANKET. IF THE EROSION CONTROL BLANKET NEEDS TO BE SPLICED IN THE MIDDLE OF A SLOPE BE SURE THE EROSION CONTROL BLANKET IS "SHINGLED" WITH UP-SLOPE EROSION CONTROL BLANKET OVERLAPPING THE DOWN-SLOPE EROSION CONTROL BLANKET. THERE SHOULD BE A MINIMUM OF 4-INCHES OF OVERLAP IN A SPLICE. USE A STAPLE CHECK SLOT TO SECURE THE OVERLAP. A STAPLE CHECK SLOT IS MADE BY PLACING A ROW OF STAPLES 4-INCHES ON CENTER AND THEN PLACING A SECOND ROW OF STAPLES 4-INCHES ON CENTER, STAGGERED FROM THE FIRST ROW.
- STEP SEVEN - SECURING THE EROSION CONTROL BLANKET AT THE TOE OF SLOPE**  
ROLL THE EROSION CONTROL BLANKET 24-INCHES PAST THE TOE OF THE SLOPE. STAPLE OR STAKE TERMINAL END OF THE EROSION CONTROL BLANKET ON ONE FOOT CENTERS.

**CATCH BASIN PROTECTION (TYPE D)**

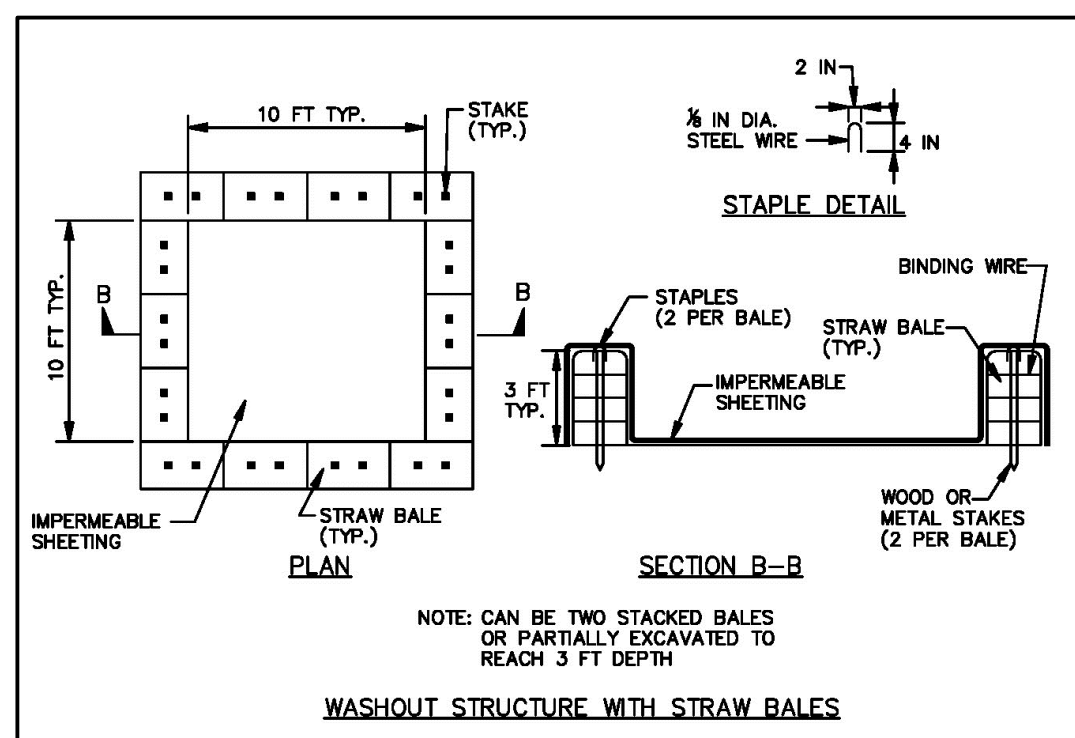
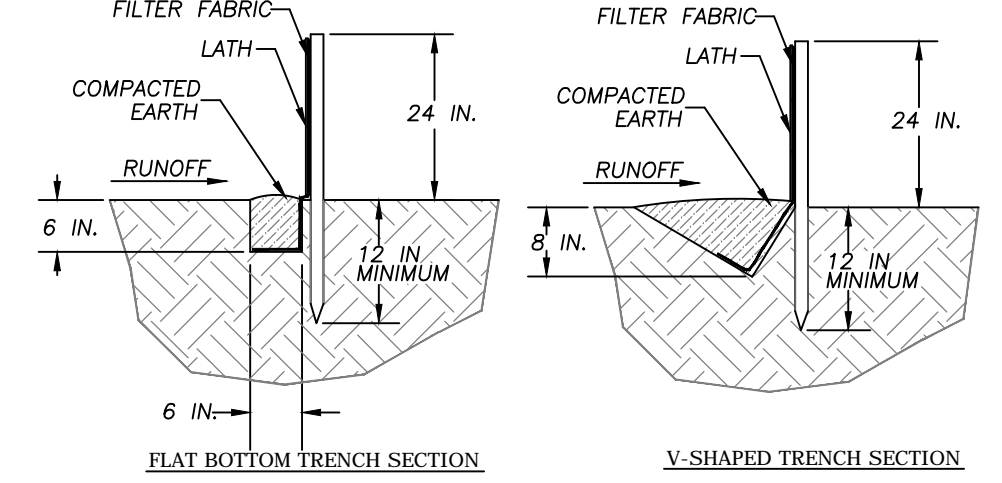


**CATCH BASIN PROTECTION (TYPE E)**

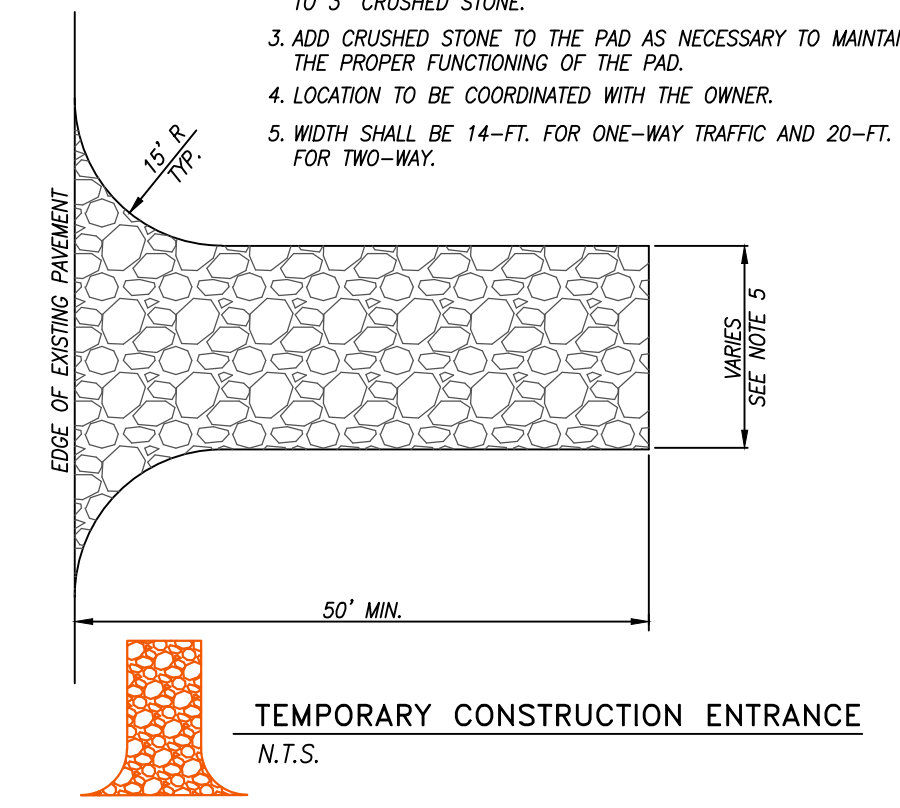


**MATERIAL SPECIFICATION**

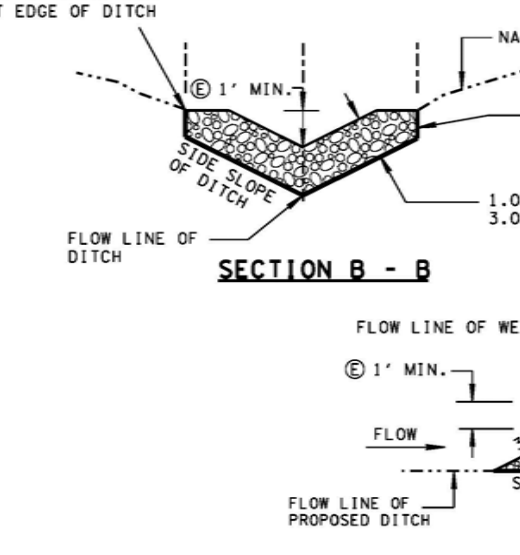
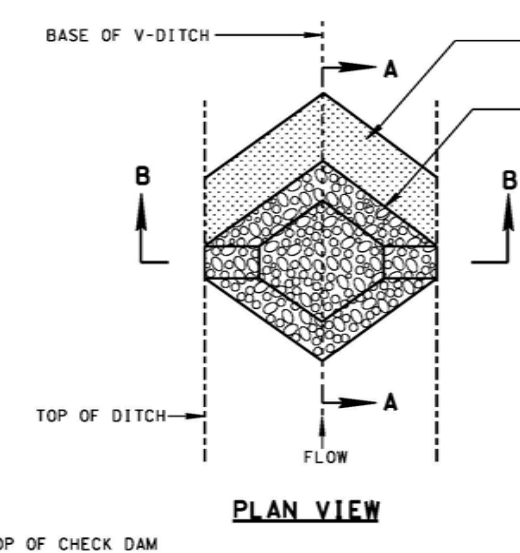
SPECIFICATION	LIGHT DUTY SILT FENCE (SF-LD)
MIN. TENSILE STRENGTH (LBS) ASTM D-4632	WARP -120 FILL - 100
MAX. ELONGATION (%) ASTM D-4632	40
APPARENT OPENING SIZE MAX. SIEVE SIZE (ASTM D-4753)	#30
MAX. FLOW RATE (GAL/MIN/SF) (DOT - 67)	25
ULTRAVIOLET STABILITY ASTM D-4632 AFTER 300 HOURS FOR ASTM D-4355	80
MIN. BURSTING STRESS (PSI) ASTM D-3786	WARP -120 FILL - 100
MIN. FABRIC WIDTH (IN)	36 IN.



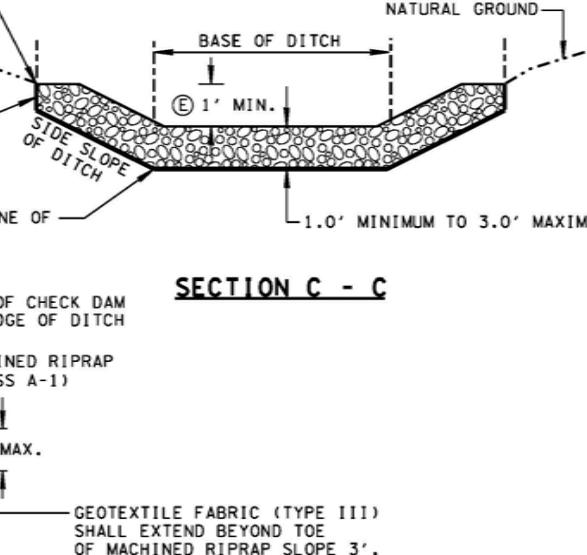
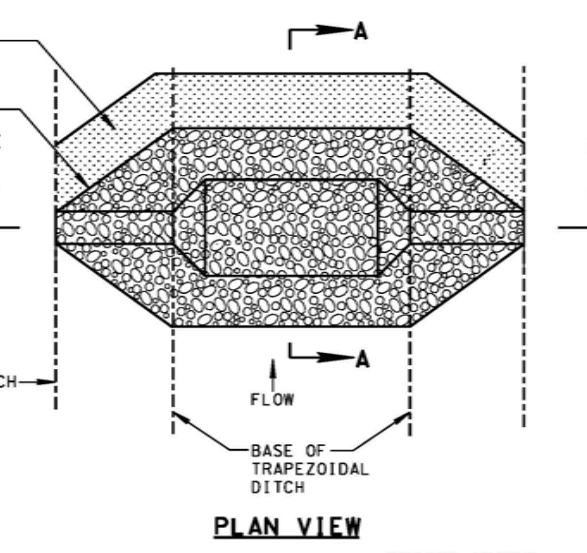
- NOTES:**
- THE PURPOSE OF THE STABILIZED CONSTRUCTION ENTRANCE IS TO AID THE CONTRACTOR IN ELIMINATING TRACKING OF SILT ONTO PUBLIC STREETS. THIS DETAIL DOES NOT LIMIT THIS RESPONSIBILITY. OTHER METHODS OF SEDIMENT REMOVAL SHALL BE IMPLEMENTED IF THIS DOES NOT ADEQUATELY REMOVE THE SILT.
  - CONSTRUCT THE PAD WITH A 6" (MIN.) THICKNESS OF 2" TO 3" CRUSHED STONE.
  - ADD CRUSHED STONE TO THE PAD AS NECESSARY TO MAINTAIN THE PROPER FUNCTIONING OF THE PAD.
  - LOCATION TO BE COORDINATED WITH THE OWNER.
  - WIDTH SHALL BE 14-FT. FOR ONE-WAY TRAFFIC AND 20-FT. FOR TWO-WAY.



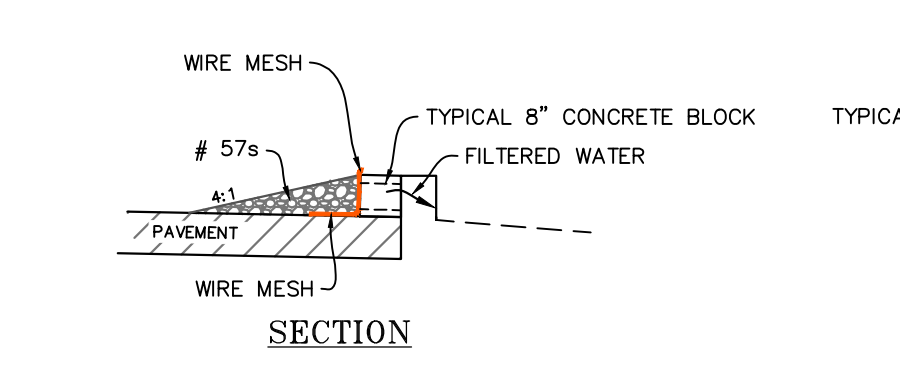
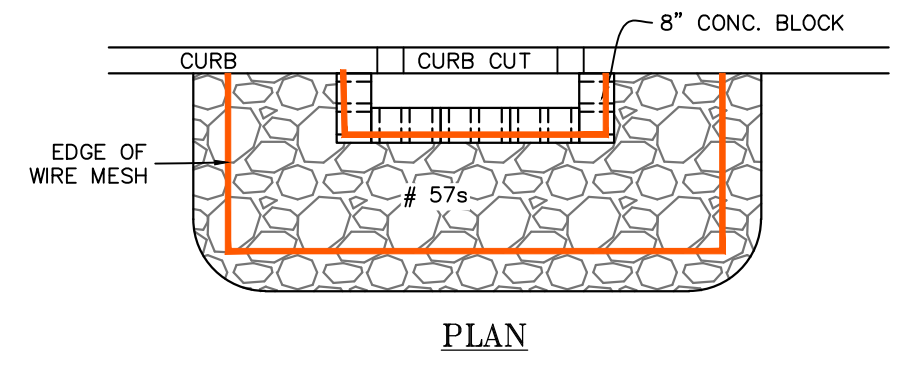
**DETAIL FOR V-DITCH**



**DETAIL FOR TRAPEZOIDAL DITCH**



**ROCK CHECK DAM**  
N.T.S.



**CURB CUT PROTECTION**  
N.T.S.

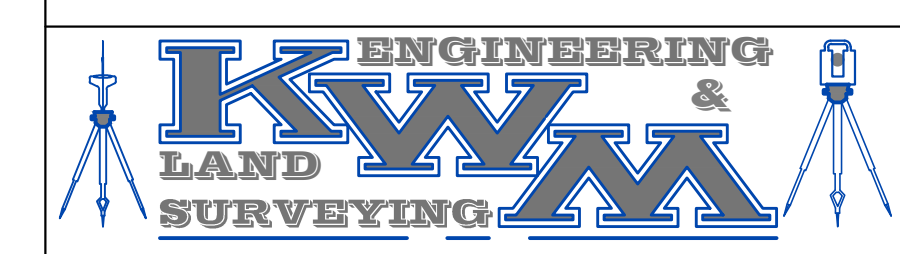


US 27 - LIBERTY, KY (5150)

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**NEWCOMB OIL CO., LLC**  
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