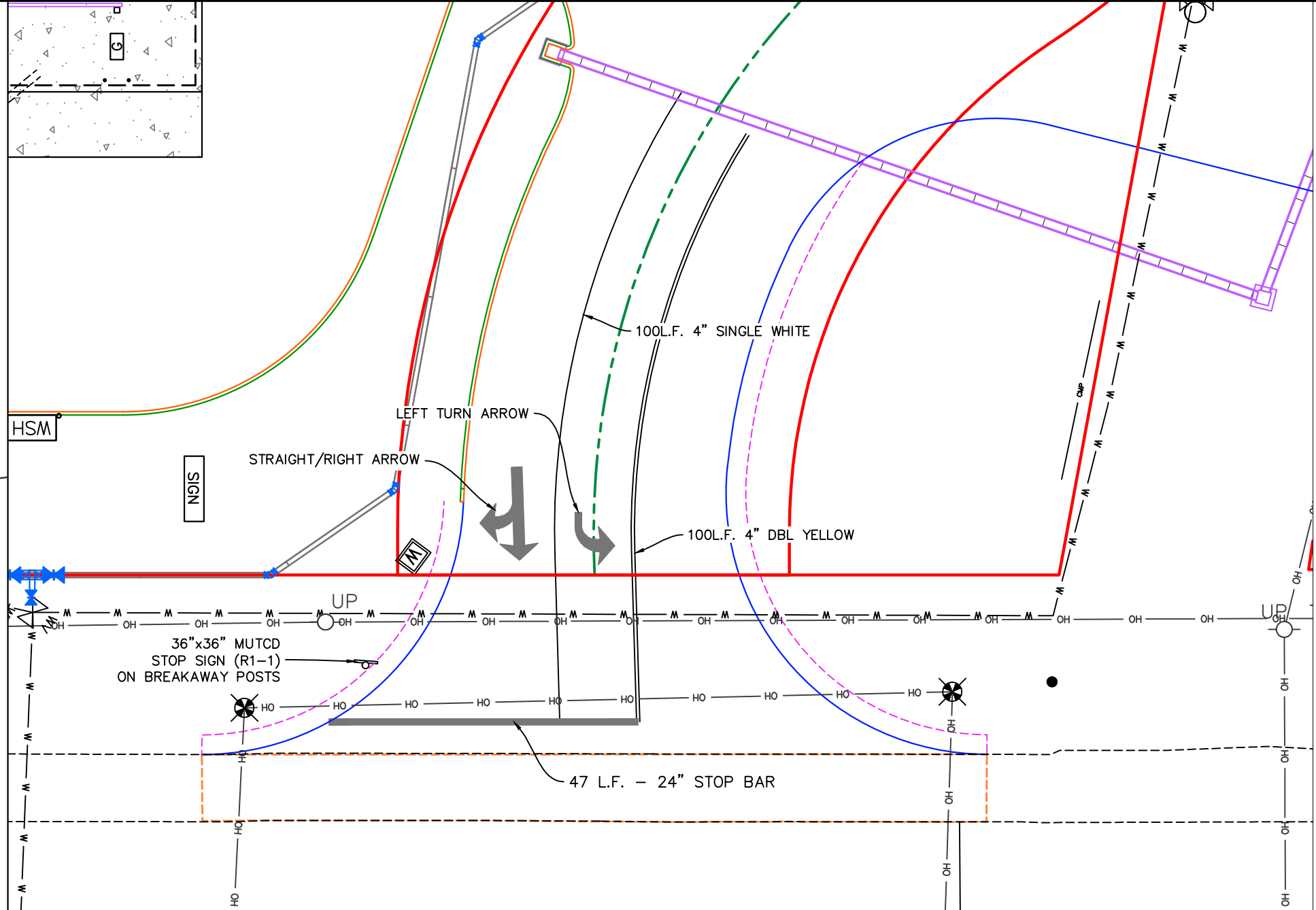
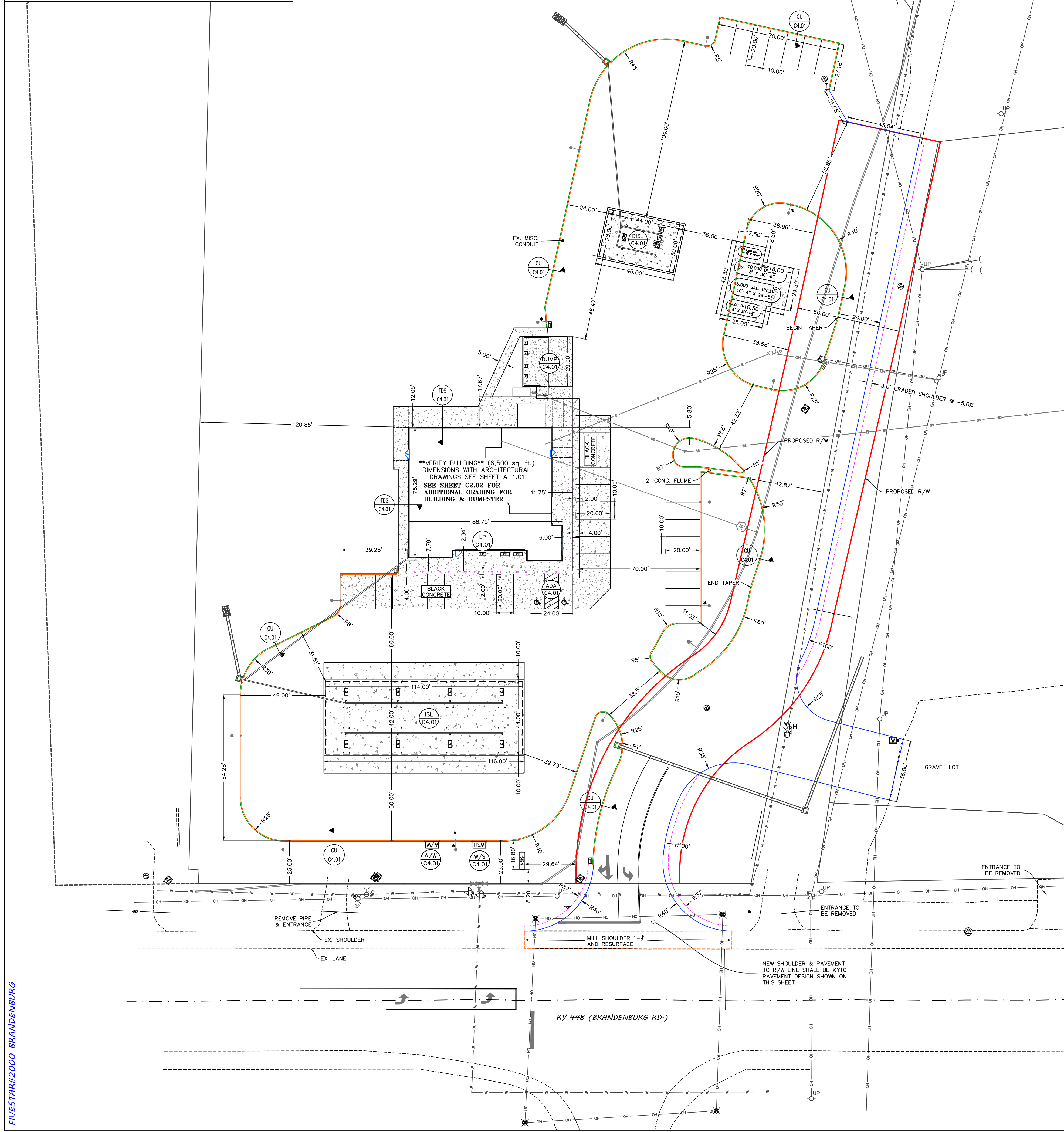
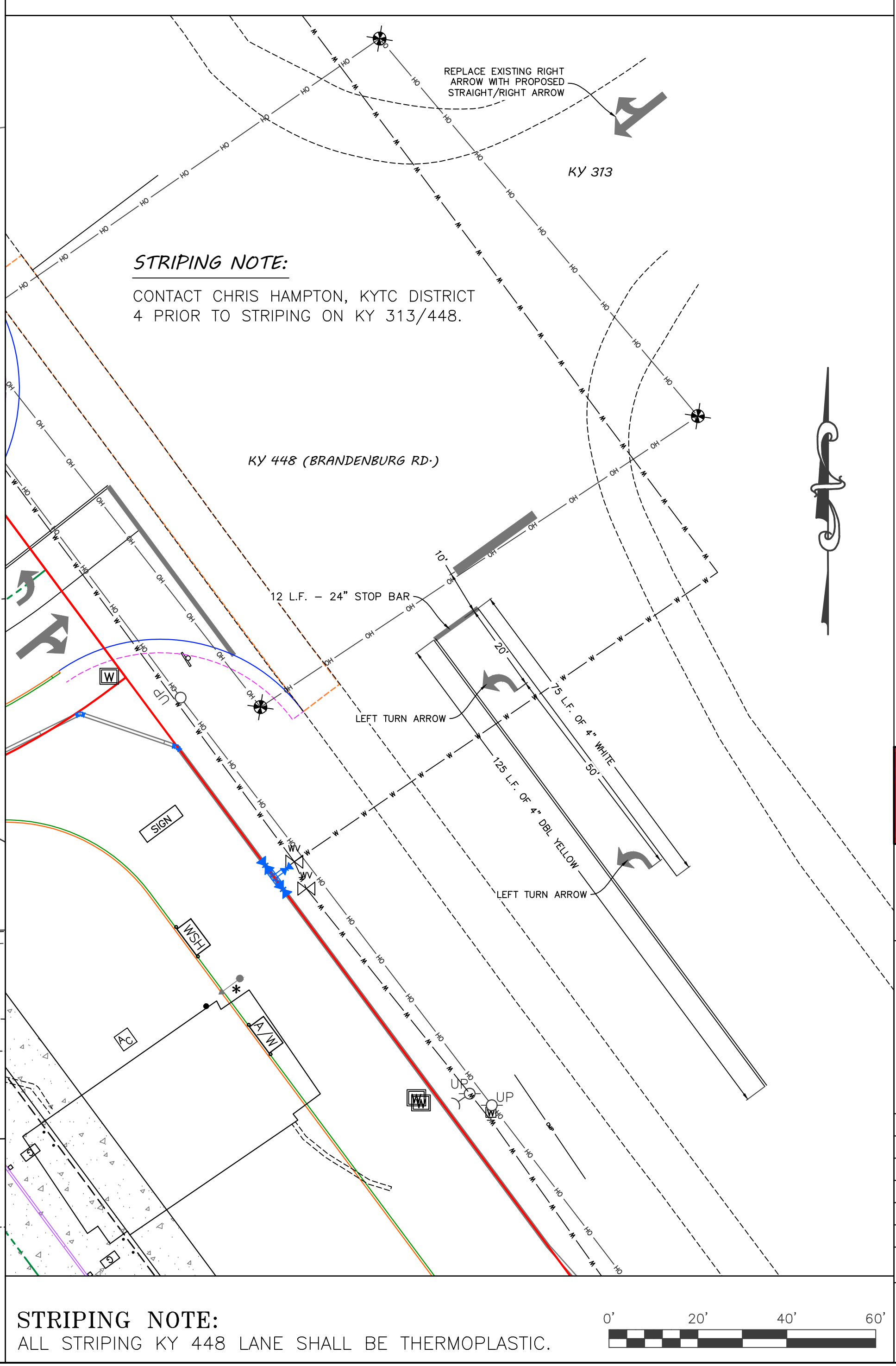


- ▬ - TAPER CURB AT 4:1 TO FLUSH GRADE; TYPICALLY 2' IN LENGTH FOR 6" CURB HEIGHT
- ⊠ - N/A
- ⊡ - N/A
- ⊣ - N/A
- ⊤ - N/A
- ⊥ - N/A

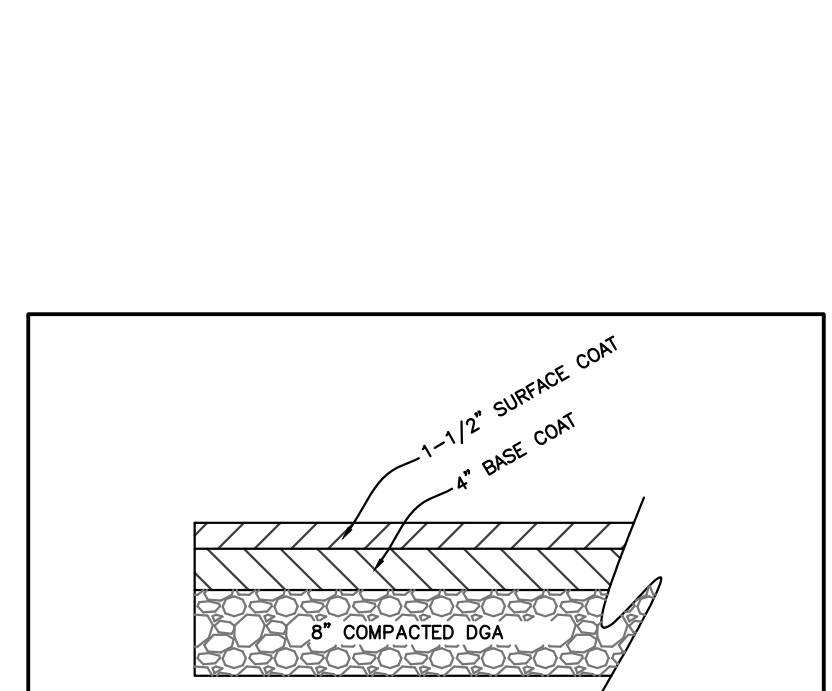


STRIPING NOTE:
ALL STRIPING NELSON LANE SHALL BE THERMOPLASTIC.



STRIPING NOTE:
ALL STRIPING KY 448 LANE SHALL BE THERMOPLASTIC.

- LAYOUT 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. IN THE EVENT OF A CONFLICT BETWEEN THIS DRAWING AND ANY OTHER DRAWING AND/OR SPECIFICATION, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY FOR CLARIFICATION.
 4. 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.
 5. ALL RIGID 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.
 6. ALL SETBACKS SHALL BE IN ACCORDANCE WITH THE LOCAL ZONING ORDINANCE.
 7. 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.
 8. 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).
 9. 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.
 10. ALL CURB STOPS AND CURB CUTS ABUTTING TRAVELED WAYS SHALL TAPER TO ASPHALT GRADE AT A MIN. 4:1 SLOPE.



STRIPING NOTE:
CONTACT CHRIS HAMPTON, KYTC DISTRICT 4 PRIOR TO STRIPING ON KY 313/448.

- SITE LEGEND**
- ⊠ = LIGHT POLES/SECURITY LIGHT
 - ⊡ = BENCHMARK - IRON PIN W/ BLUE CAP
 - ▬ = PROPOSED STORM PIPE
 - ▬ = CONCRETE AREA
 - ▬ = PROPERTY LINES

0' 30' 60' 90' scale bar

Kentucky 811

FIVESTAR logo

Newcomb OIL CO. logo

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

KWM & SURVEYING

LEBANON OFFICE: NATHAN ALLAN KING
 P.E. #24283 P.L.S. #3831
 335 N. WOODLAWN AVE. BUSINESS: (270) 692-0089
 LEBANON, KY 40033 MOBILE: (270) 590-4603
 Nathan@kwm.net

REVISIONS:	DATE:
REVISE GAS & DIESEL CANOPIES	07-24-24
ADDED SIGN LOCATION	07-26-24

SCALE: 1" = 30' DATE: 5-21-22

SHEET: **C1.01**

LAYOUT

FIVESTAR#2000 BRANDENBURG

FIVESTAR#2000 BRANDENBURG

STRUCTURE TABLE			
NAME	DETAILS	TYPE	GRATE
STR#1	T.G. = 594.92 INV IN = 590.92 (ROOF & CANOPY) INV OUT = 588.92 (LINE A)	24" X 24" STD. DBI DROP BOX INLET OR EQUIV.	JBS 7514 OR APPROVED EQUIV.
STR#2	T.G. = 600.89 INV OUT = 596.89 (LINE B)	24" X 24" STD. DBI DROP BOX INLET OR EQUIV.	JBS 7514 OR APPROVED EQUIV.
STR#3	T.G. = 600.00 INV IN = 592.96 (LINE B) INV OUT = 592.96 (LINE C)	24" X 24" STD. DBI DROP BOX INLET OR EQUIV.	JBS 7514 OR APPROVED EQUIV.
STR#4	T.G. = 591.09 INV OUT = 585.09 (LINE D)	24" X 24" STD. DBI DROP BOX INLET OR EQUIV.	JBS 7514 OR APPROVED EQUIV.

ALL PIPE TO BE N12 (WATER TIGHT) PIPE, EXCEPT WHERE OTHERWISE NOTED ON PLANS. EQUIVALENT PIPE MAY BE UTILIZED WITH ENGINEER'S APPROVAL.
ROOF & CANOPY DRAIN CUTOUTS SHALL BE SIZED AT 12" DIAMETER IF SIZE UNKNOWN. CONTRACTOR SHALL USE NON SHRINK GROUT TO SEAL PIPE IN PLACE.

PIPE TABLE

NAME	SIZE (INCHES)	LENGTH (FT)	SLOPE (%)	COMMENTS
LINE A	15	36	13.2±	
LINE B	12	113	3.5±	
LINE C	12	94	3.6±	
LINE D	15	32	26.6±	

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

- DRAIN & GRADE NOTES:**
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 - NO DISTURBANCE TO THE NATURAL GROUND SHALL TAKE PLACE PRIOR TO HAVING THE PROPOSED EROSION CONTROL PLAN APPROVED AND IN PLACE.
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 - UNLESS NOTED OTHERWISE, THE SPOT ELEVATIONS SHOWN ARE TO THE BOTTOM FACE OF CURB OR SIDEWALK.
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 - 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.
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SITE LEGEND

- = LIGHT POLES/SECURITY LIGHT
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- +690.001 = INDICATES TOP OF CURB/SIDEWALK
- +690.00 = EXISTING GRADE SPOT SHOT
- ▨ = PROPOSED STORM PIPE
- ▭ = CONCRETE AREA
- = PROPERTY LINES
- 690 — = EXISTING CONTOURS
- 690 — = PROPOSED CONTOURS
- - - = DISTURB LIMITS

0' 30' 60' 90'

Kentucky 811

FIVESTAR#2000 BRANDENBURG

FIVESTAR

Newcomb OIL CO.

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

KWM
LAND SURVEYING & ENGINEERING

LEBANON OFFICE: NATHAN ALLAN KING
335 N. WOODLAWN AVE. P.E. #24283 P.L.S. #3831
LEBANON, KY 40033 BUSINESS: (270) 692-0089
MOBILE: (270) 590-4603
Nathan@kwm.net

REVISIONS:	DATE:
REVISE GAS & DIESEL CANOPIES	07-24-24

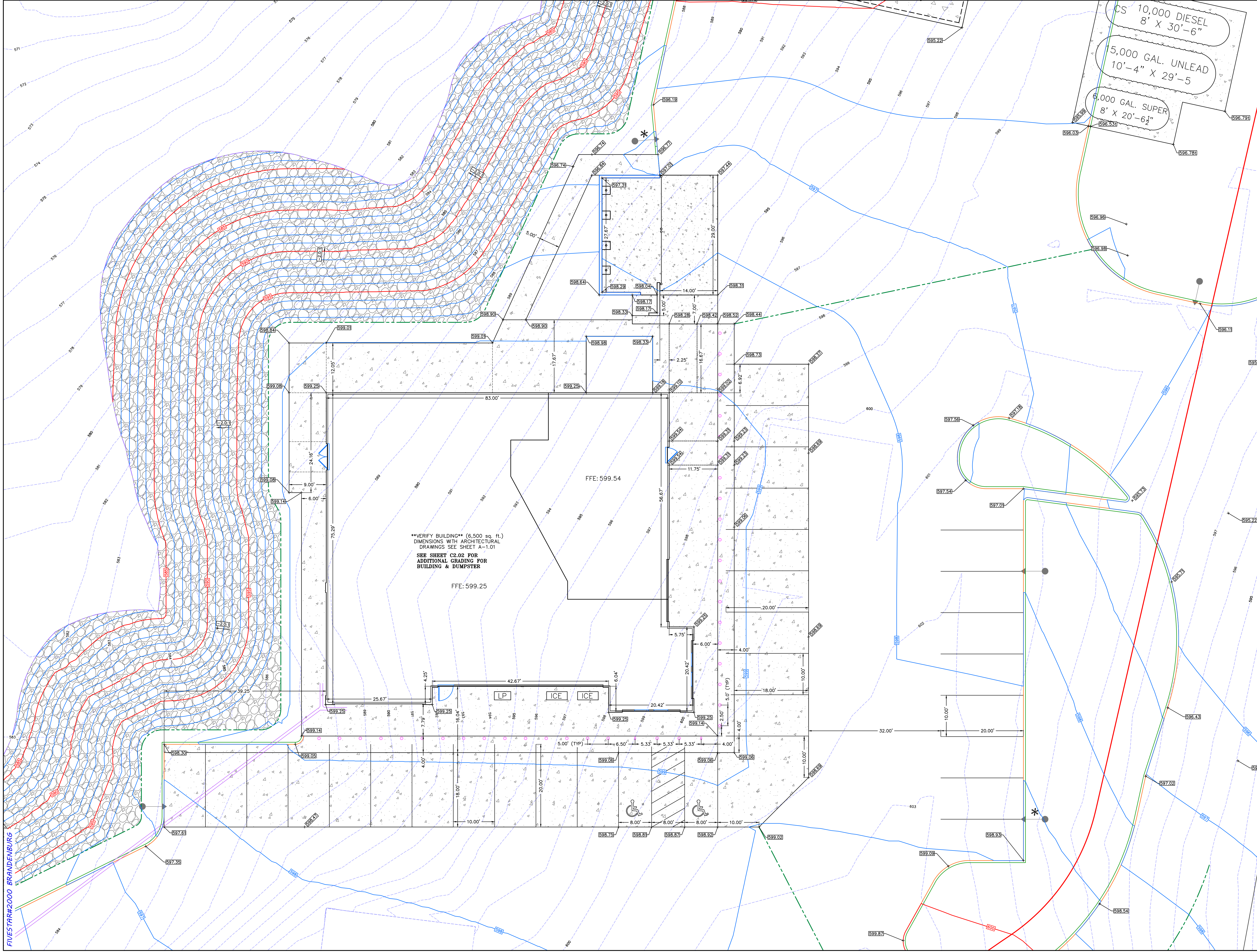
SCALE: 1" = 30'	DATE: 5-21-22
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PROPOSED GRADE & DRAIN **C2.01**

FIVESTAR#2000 BRANDENBURG

FIVESTAR#2000 BRANDENBURG





VERIFY BUILDING (6,500 sq. ft.)
DIMENSIONS WITH ARCHITECTURAL
DRAWINGS SEE SHEET A-1.01
SEE SHEET C2.02 FOR
ADDITIONAL GRADING FOR
BUILDING & DUMPSTER

- CS 10,000 DIESEL
8' X 30'-6"
- 5,000 GAL. UNLEAD
10'-4" X 29'-5"
- 6,000 GAL. SUPER
8' X 20'-6 1/2"

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- ▨ = CONCRETE AREA
- = PROPERTY LINES
- 690 = EXISTING CONTOURS
- 690 = PROPOSED CONTOURS
- - - = DISTURB LIMITS

0' 10' 20' 30'

Kentucky 811

FIVESTAR **Newcomb OIL CO.**

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

KWM
ENGINEERING & SURVEYING

LEBANON OFFICE: 335 N. WOODLAWN AVE. LEBANON, KY 40033
NATHAN ALLAN KING P.E. #24283 P.L.S. #3831 BUSINESS: (270) 692-0089 MOBILE: (270) 590-4603 Nathan@nkykm.net

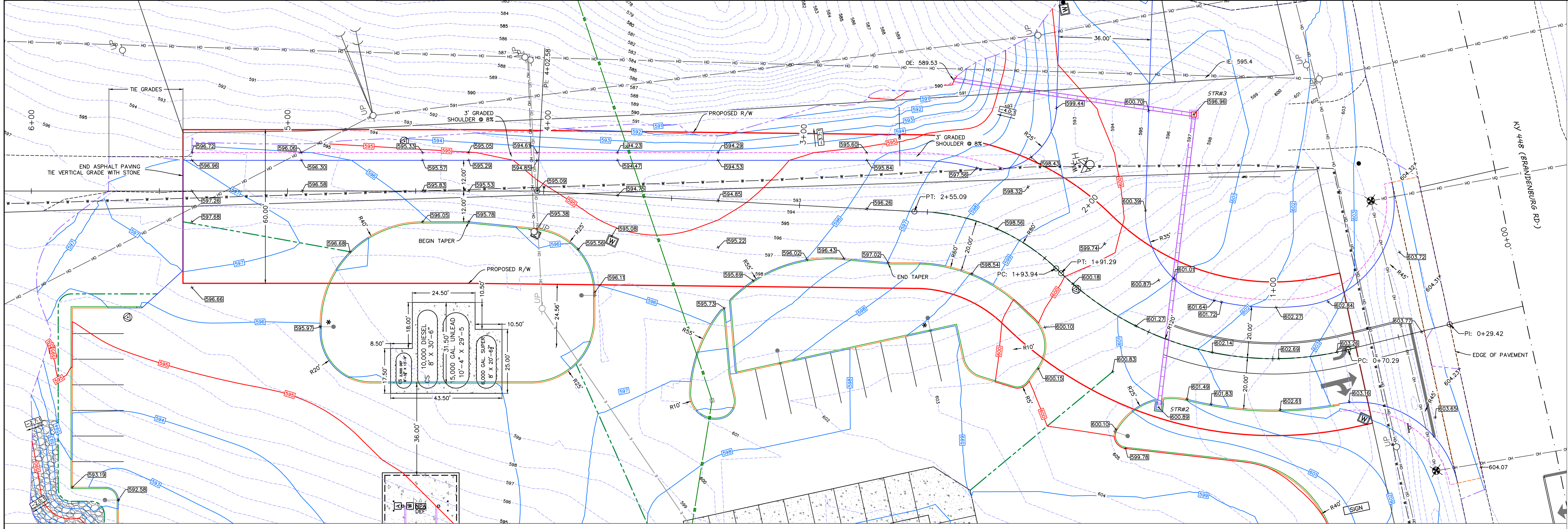
REVISIONS:	DATE:
REVISE GAS & DIESEL CANOPIES	07-24-24

SCALE: 1" = 10' DATE: 5-21-22

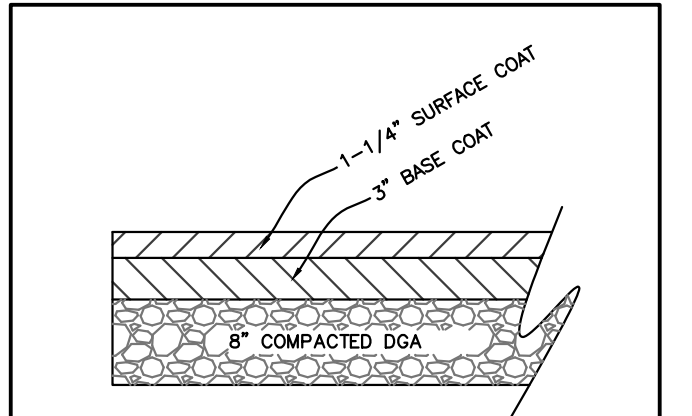
SHEET: BUILDING GRADING & LAYOUT **C2.02**

FIVESTAR#2000 BRANDENBURG

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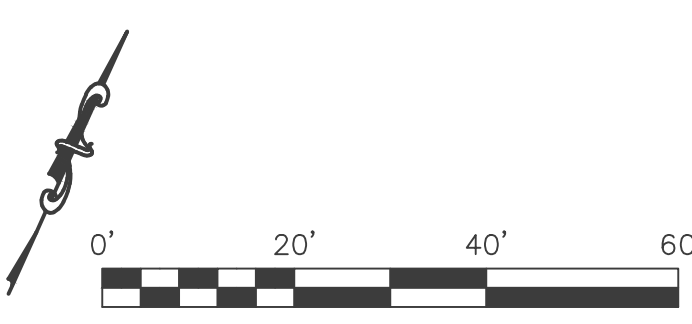


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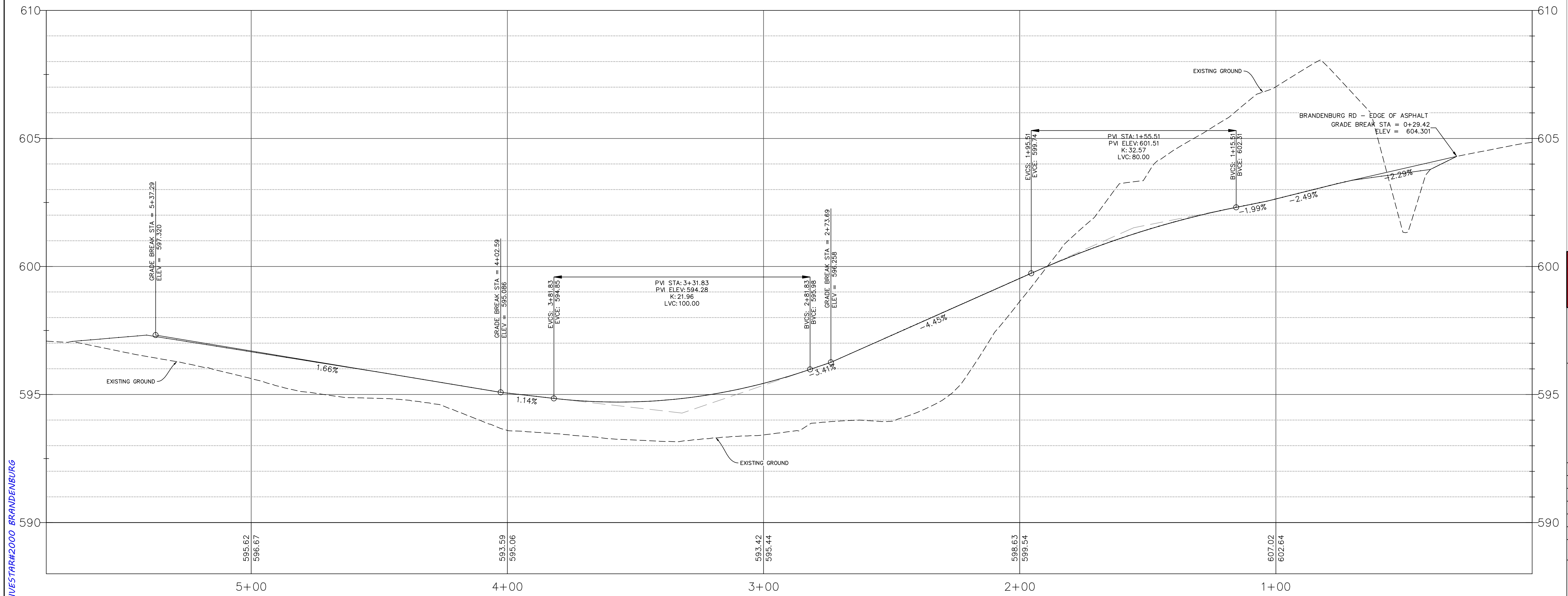


ASPHALT PAVEMENT SCHEDULE

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 - 690 --- = EXISTING CONTOURS
 - 690 --- = PROPOSED CONTOURS
 - = DISTURB LIMITS



Nelson Lane Profile



FIVESTAR#2000 BRANDENBURG

FIVESTAR#2000 BRANDENBURG

Kentucky 811

FIVESTAR

Newcomb OIL CO.

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

KWM & LAND SURVEYING

LEBANON OFFICE:
 335 N. WOODLAWN AVE.
 LEBANON, KY 40033

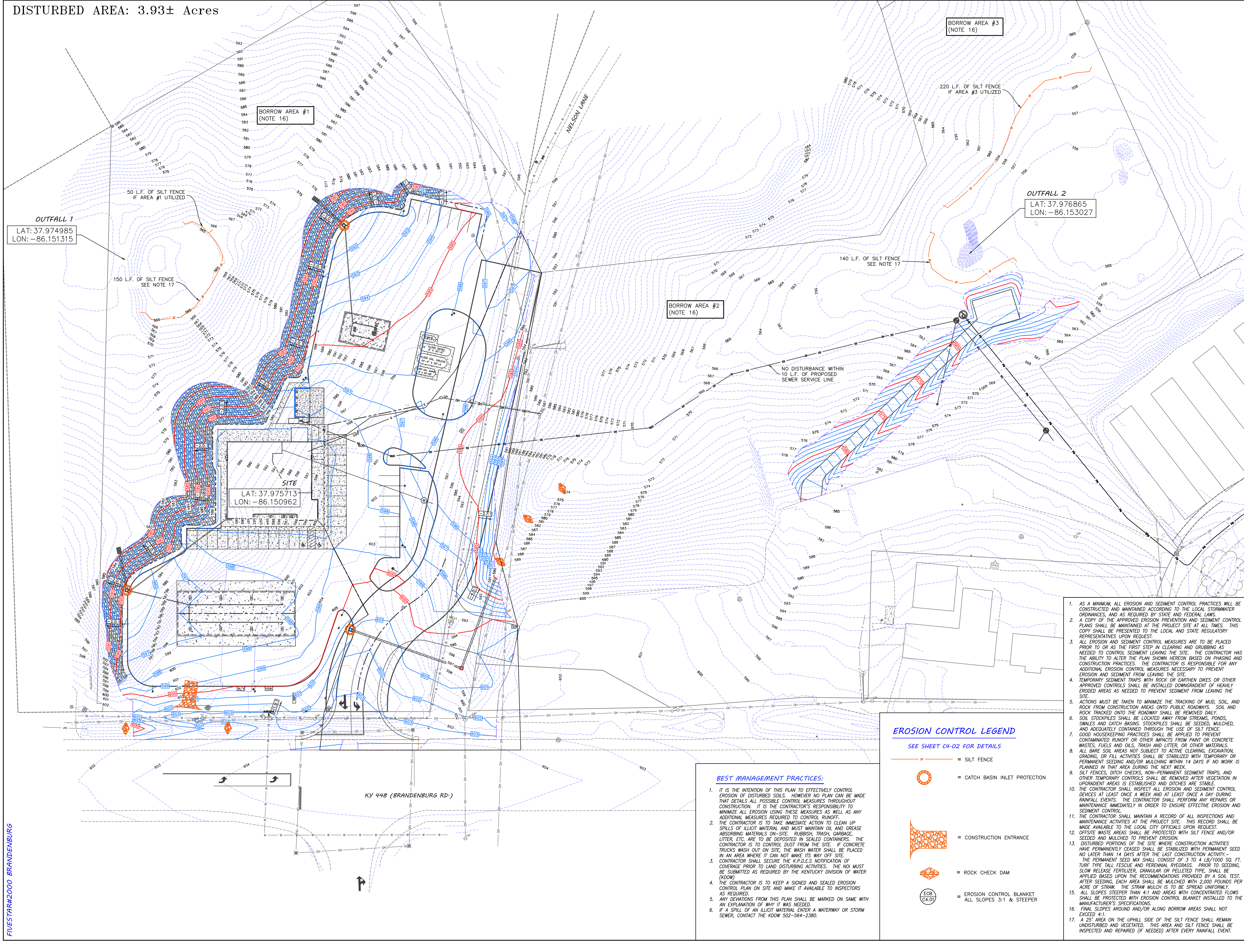
NATHAN ALLAN KING
 P.E. #24283 P.L.S. #3831
 BUSINESS: (270) 692-0089
 MOBILE: (270) 590-4603
 Nathan@mkwm.net

REVISIONS:	DATE:
REVISE GAS & DIESEL CANOPIES	07-24-24

SCALE: 1" = 20' DATE: 5-21-22

SHEET: **C2.03**

DISTURBED AREA: 3.93± Acres



FIVESTAR#2000 BRANDENBURG

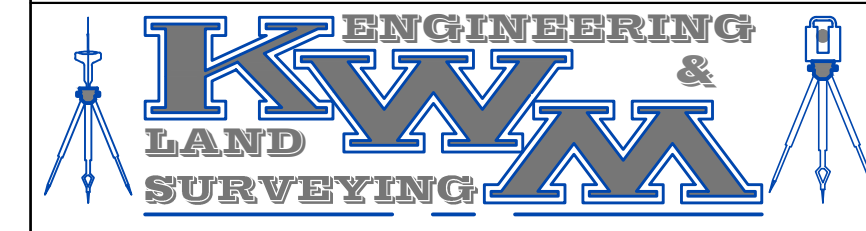
FIVESTAR#2000 BRANDENBURG

SITE LEGEND

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



NEWCOMB OIL CO., LLC
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REVISIONS:	DATE:
REVISE GAS & DIESEL CANOPIES	07-24-24

SCALE: 1" = 40'	DATE: 5-21-22
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PROPOSED EROSION & SEDIMENT CONTROL PLAN

C3.01

EROSION CONTROL LEGEND

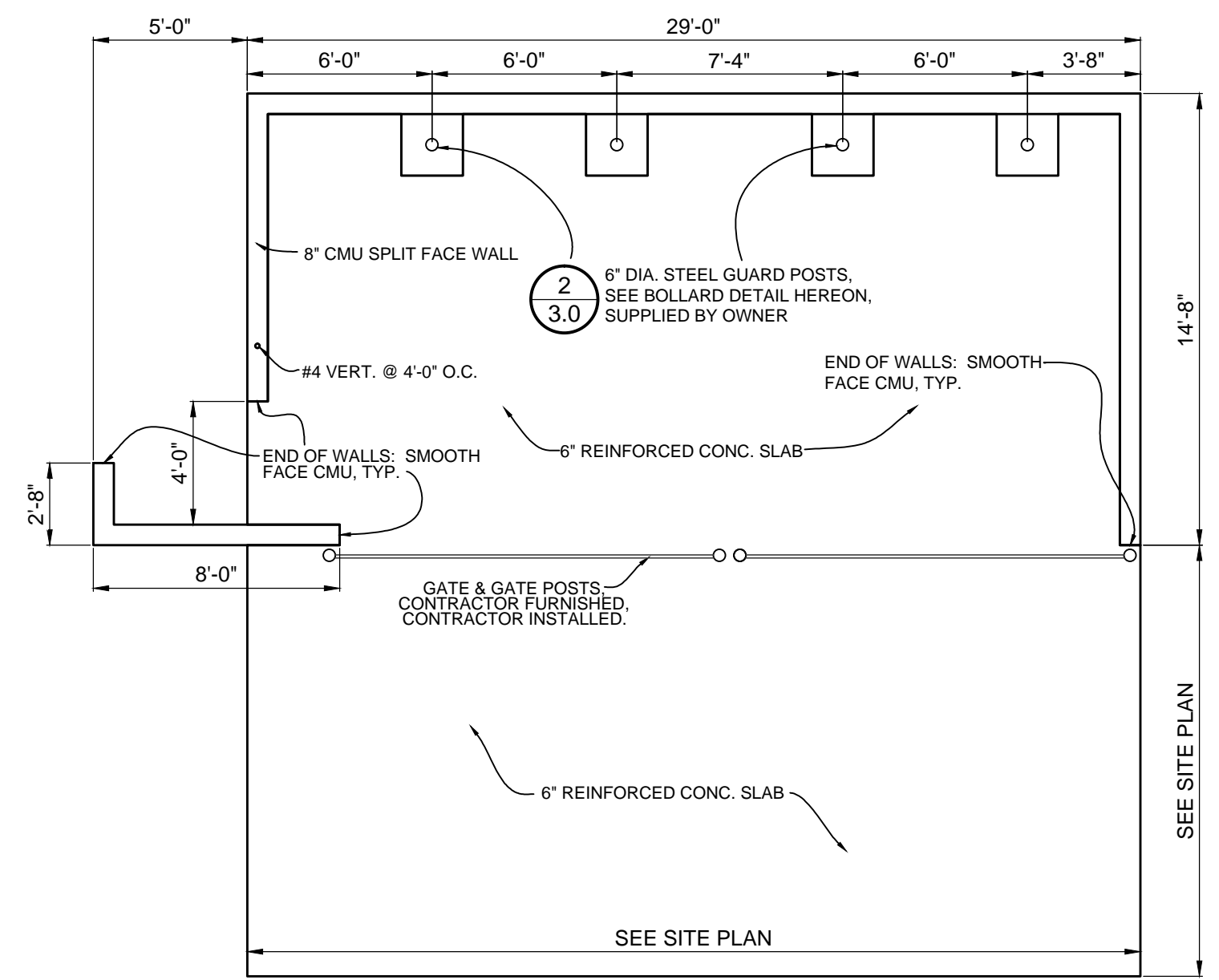
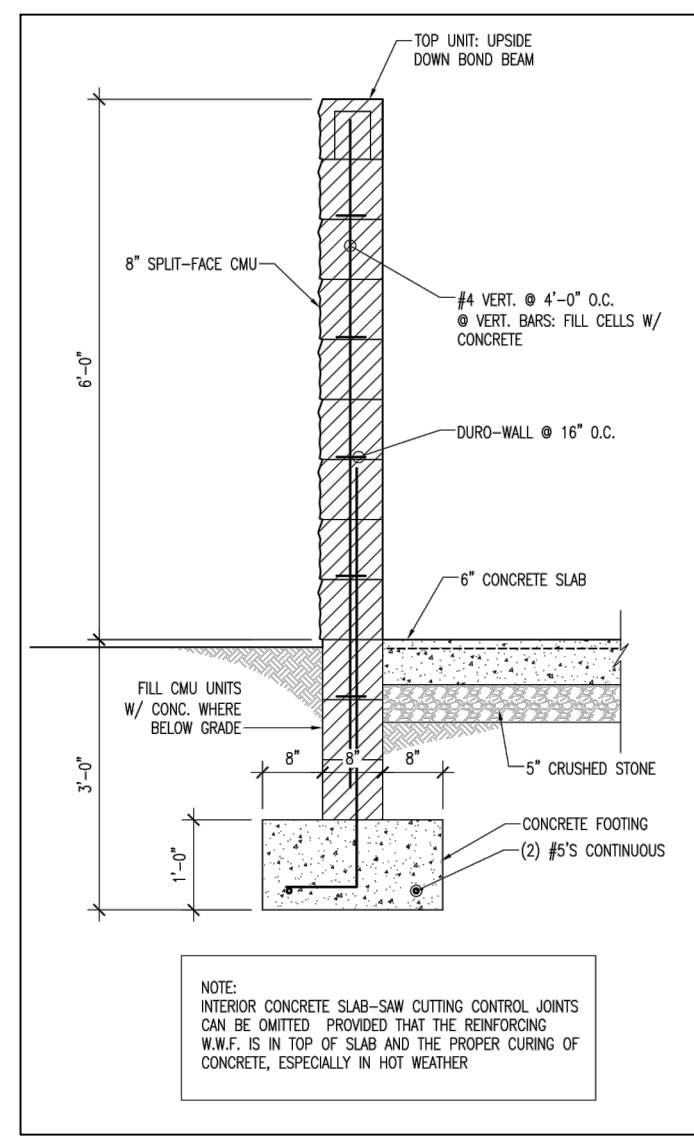
SEE SHEET C4-02 FOR DETAILS

- = SILT FENCE
- = CATCH BASIN INLET PROTECTION
- = CONSTRUCTION ENTRANCE
- = ROCK CHECK DAM
- = EROSION CONTROL BLANKET ALL SLOPES 3:1 & STEEPER

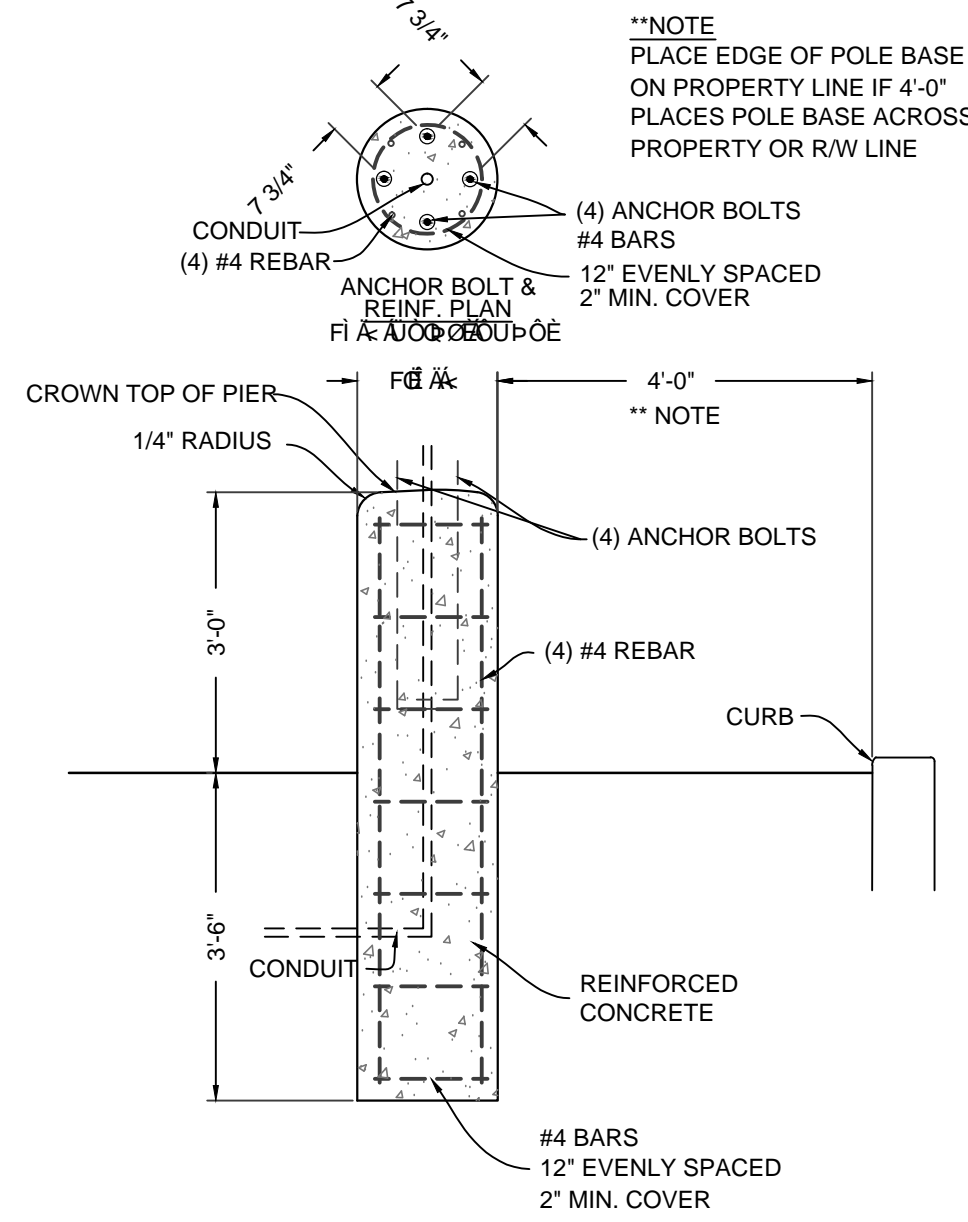
BEST MANAGEMENT PRACTICES:

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 ILLICIT 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 WAY 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 (KDW).
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 ILLICIT MATERIAL ENTER A WATERWAY OR STORM SEWER, CONTACT THE KDW 502-564-2380.

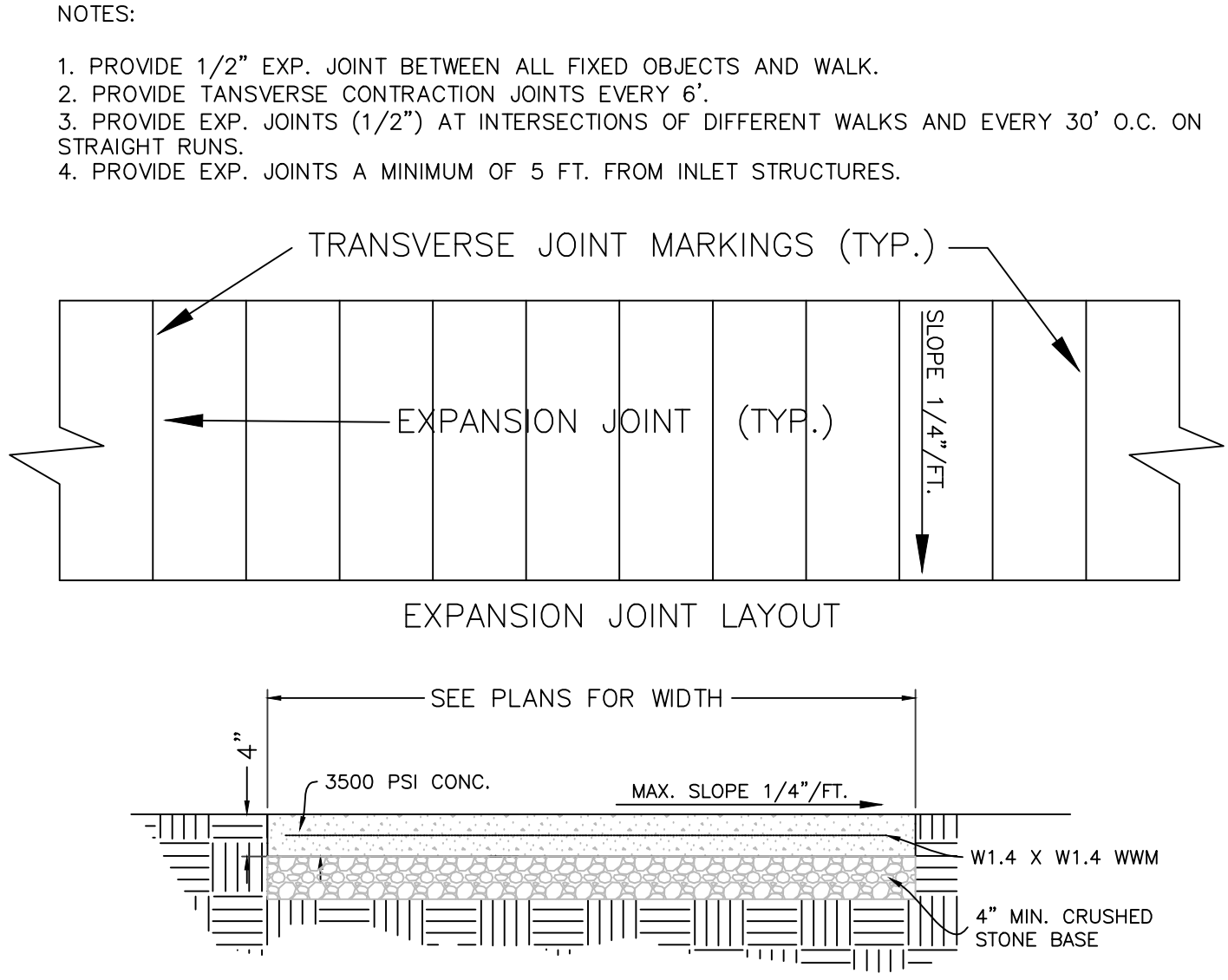
KY 448 (BRANDENBURG RD.)



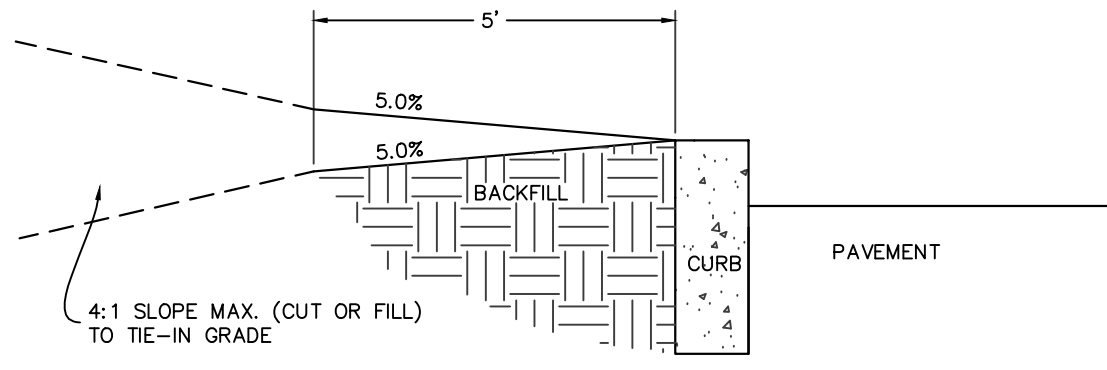
DUMPSTER DETAIL
DUMP C4.01 N.T.S.



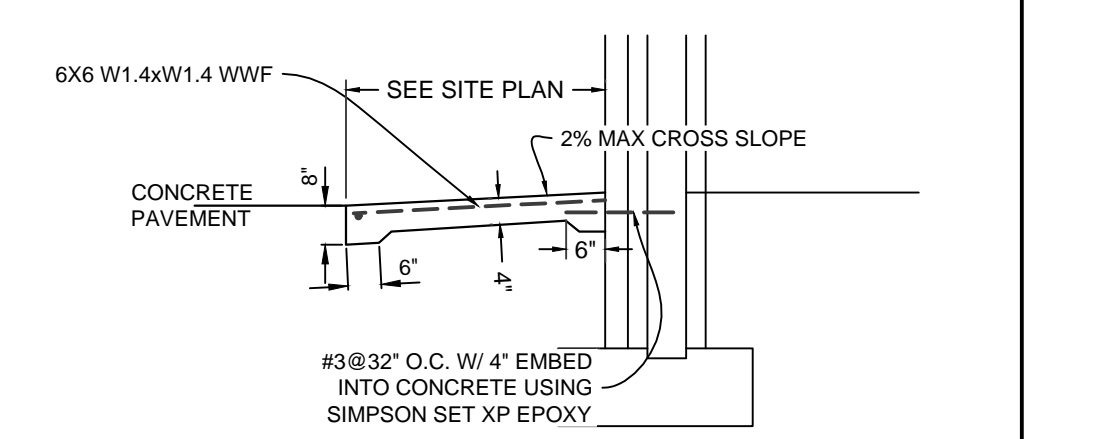
LIGHT POLE BASE DETAIL
N.T.S.



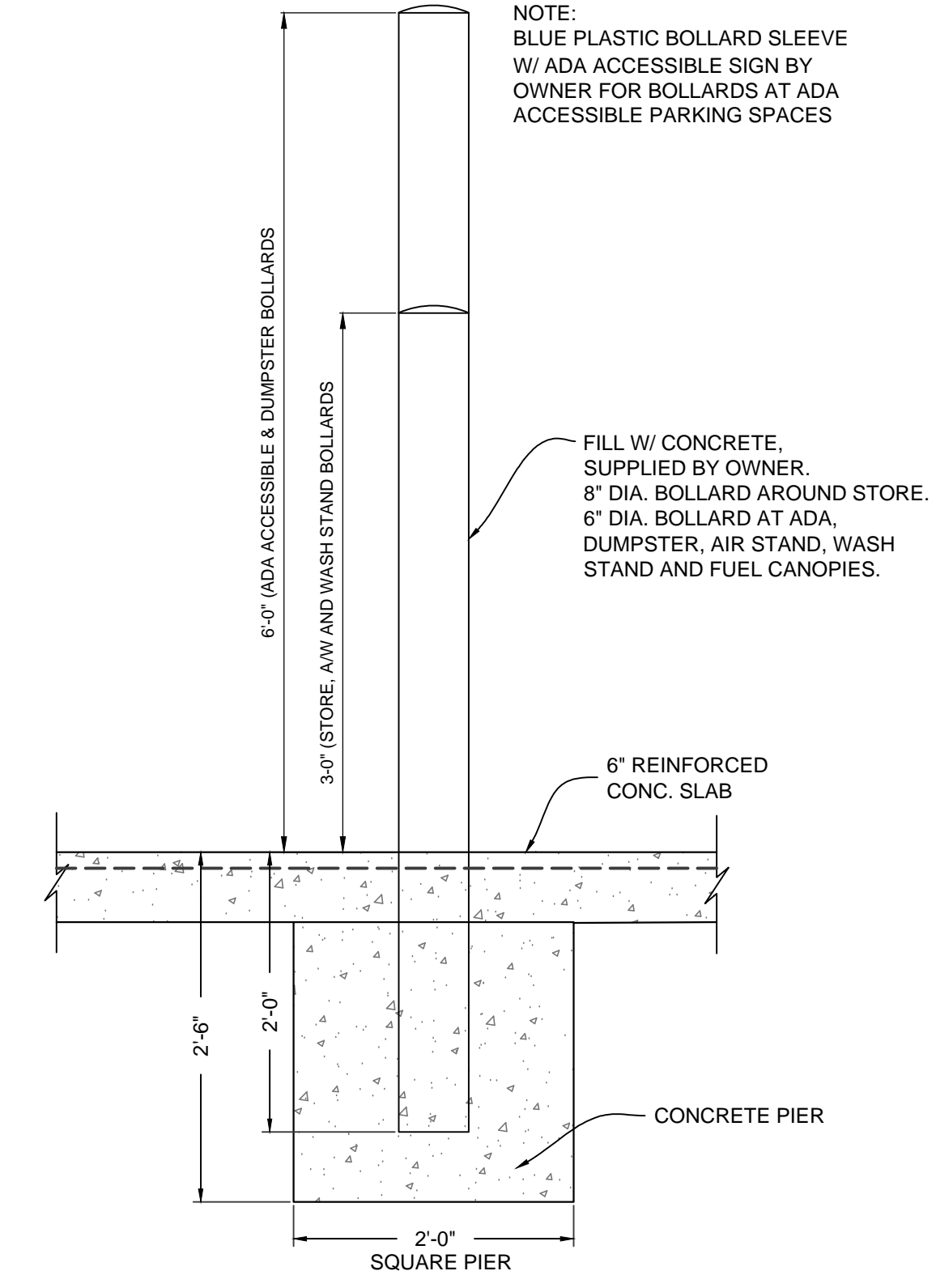
CONCRETE SIDEWALK
SW C4.01 N.T.S.



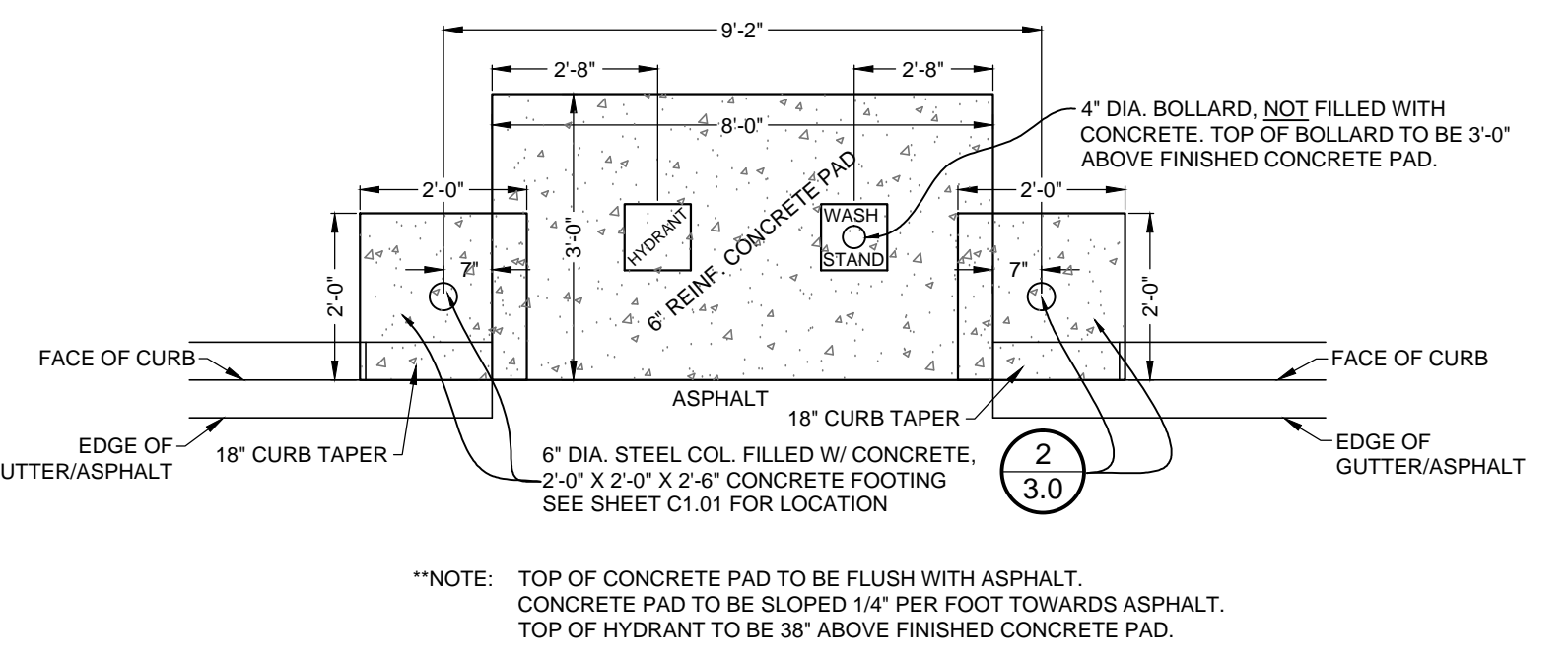
CURB BACKFILL DETAIL
N.T.S. (UNLESS OTHERWISE NOTED ON PLANS)



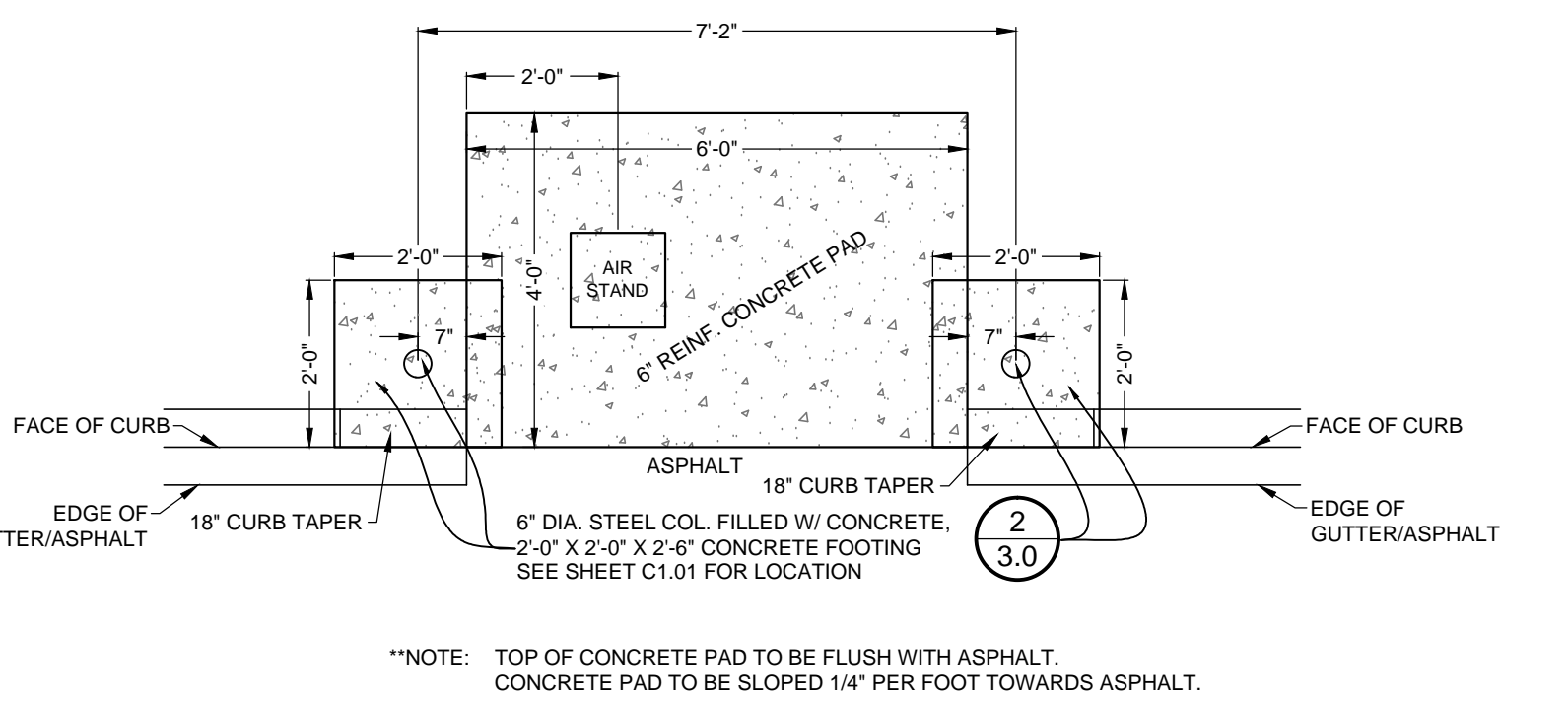
TURNDOWN SIDEWALK DETAIL
TDS C4.01 N.T.S.



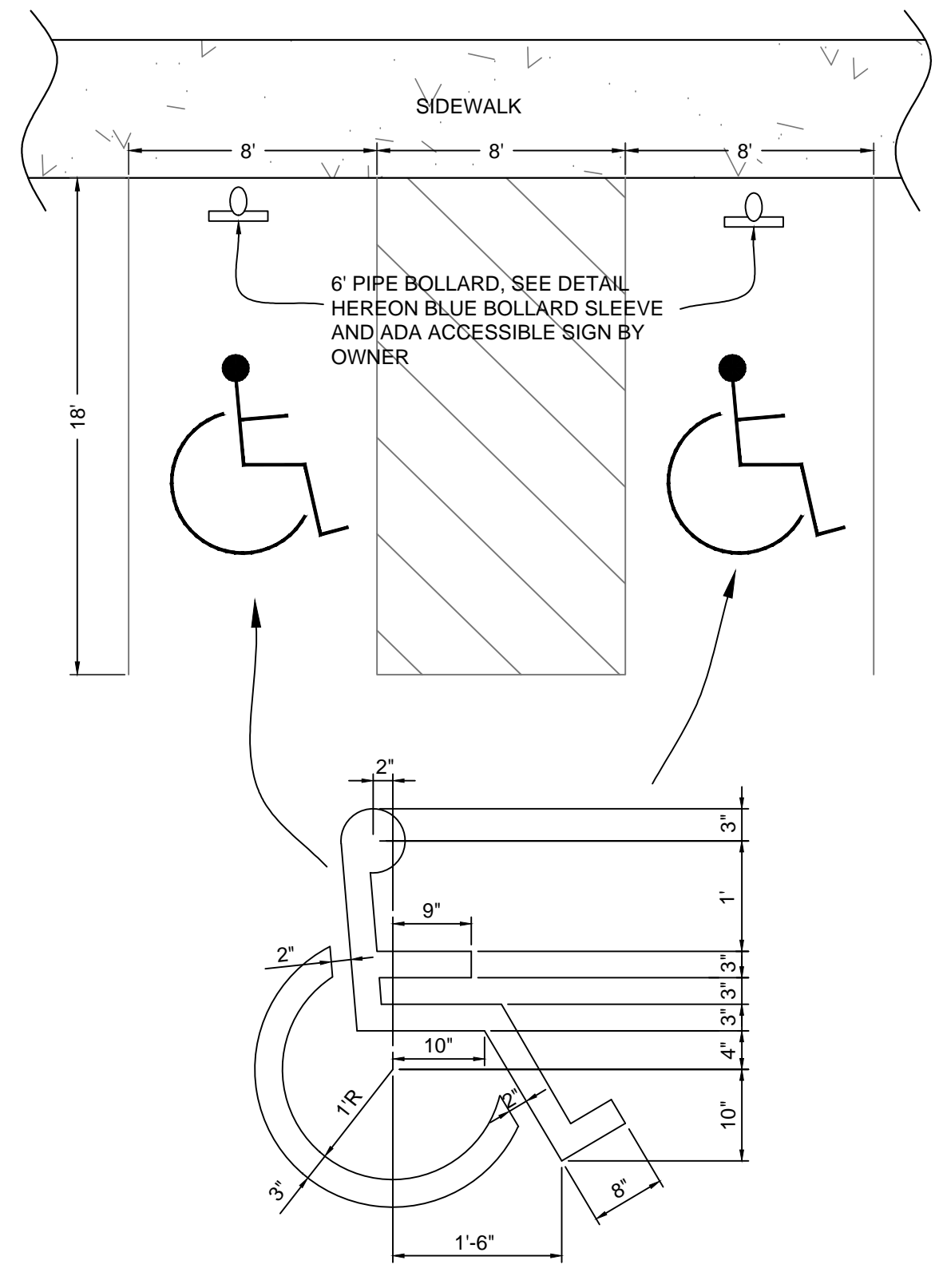
PIPE BOLLARD DETAIL
BOL C4.01 N.T.S.



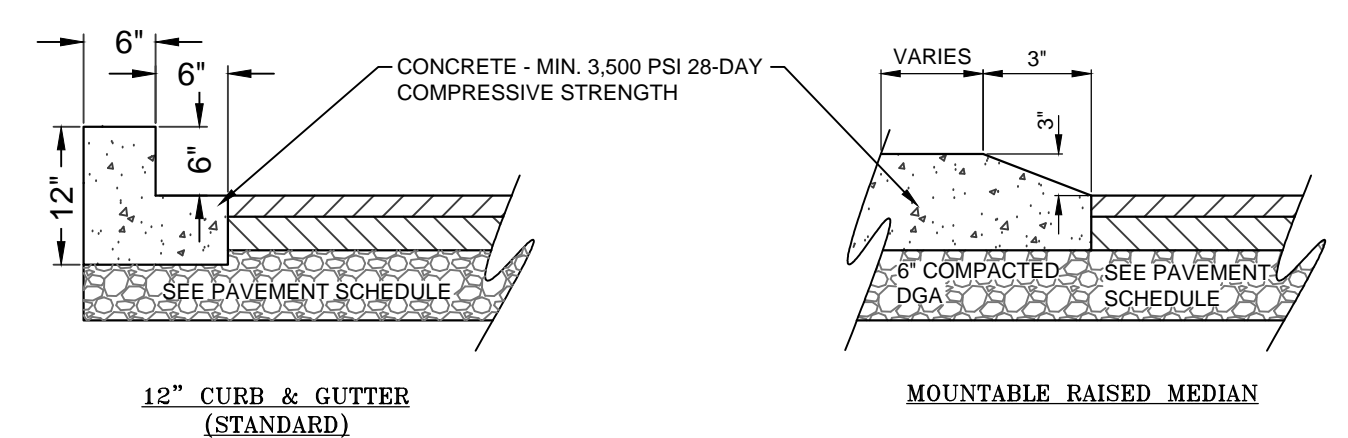
WASH STATION CONC. PAD
W/S C4.01 N.T.S.



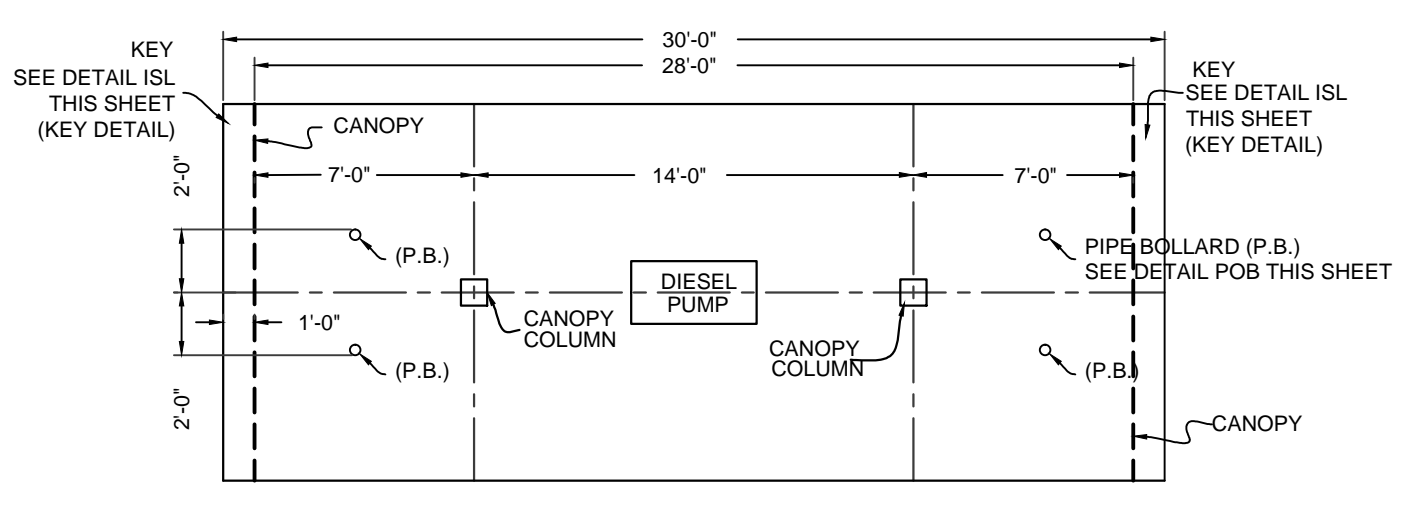
AIR STAND CONC. PAD
A/W C4.01 N.T.S.



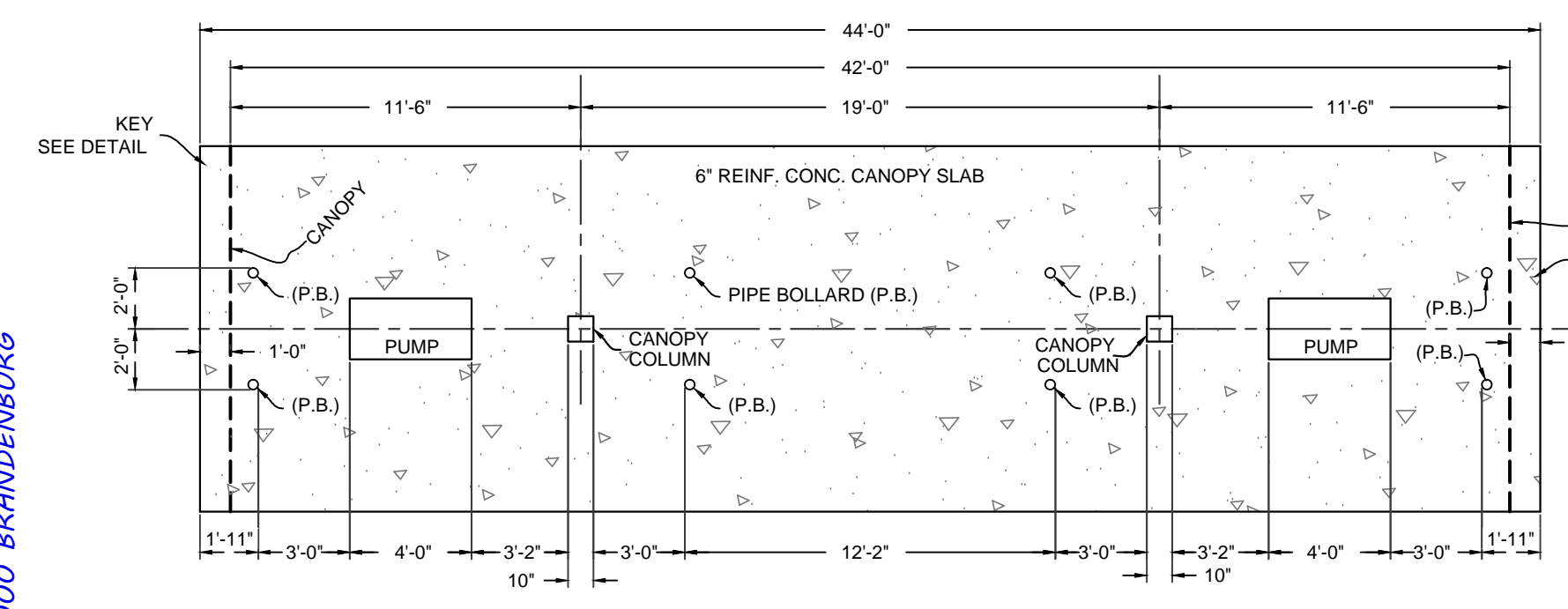
ADA ACCESSIBLE SPACE DETAIL
HC C4.01 N.T.S.



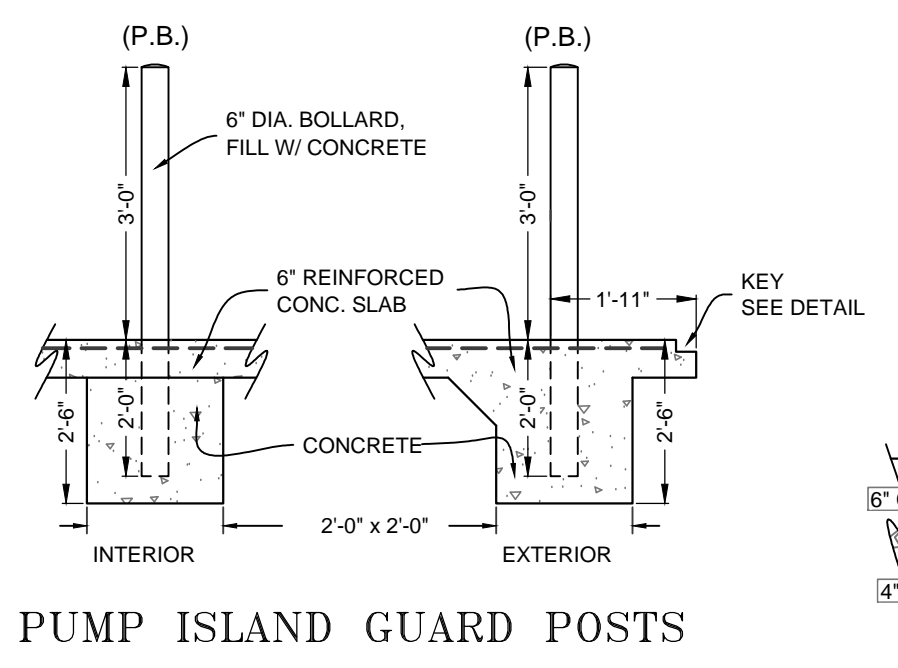
CURB DETAIL
CU C4.01 N.T.S.



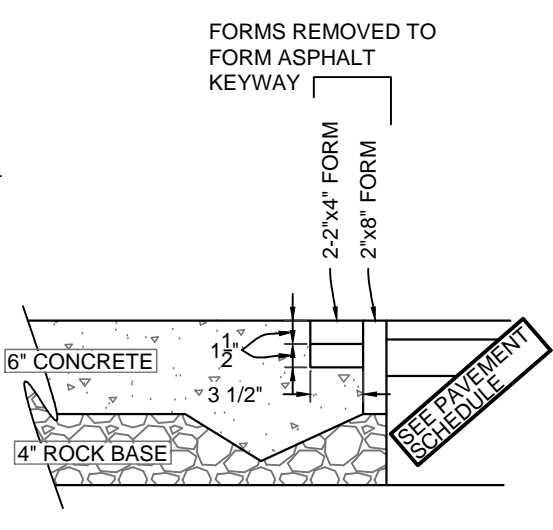
DIESEL PUMP ISLAND PLAN SECTION
DISL C4.01 N.T.S.



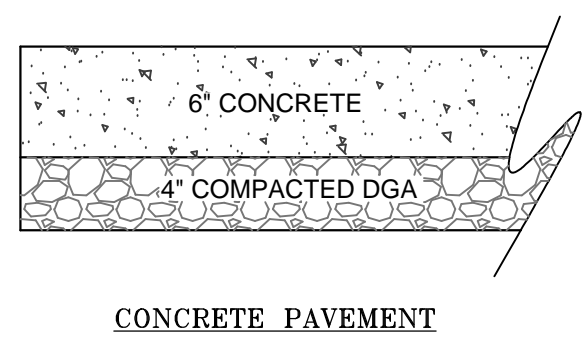
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ISL C4.01 N.T.S.



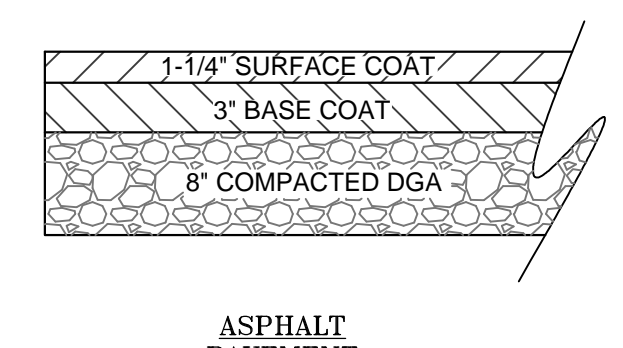
PUMP ISLAND GUARD POSTS



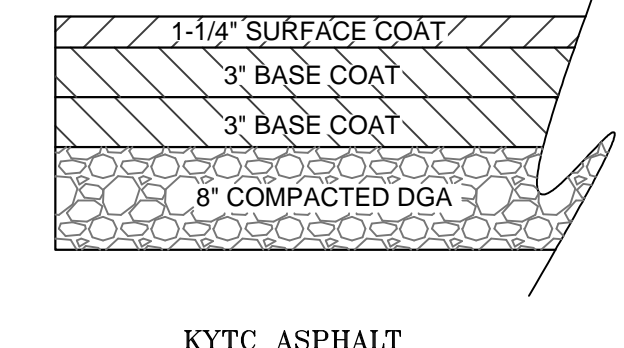
KEY DETAIL



CONCRETE PAVEMENT



ASPHALT PAVEMENT (STANDARD)



KYTC ASPHALT PAVEMENT

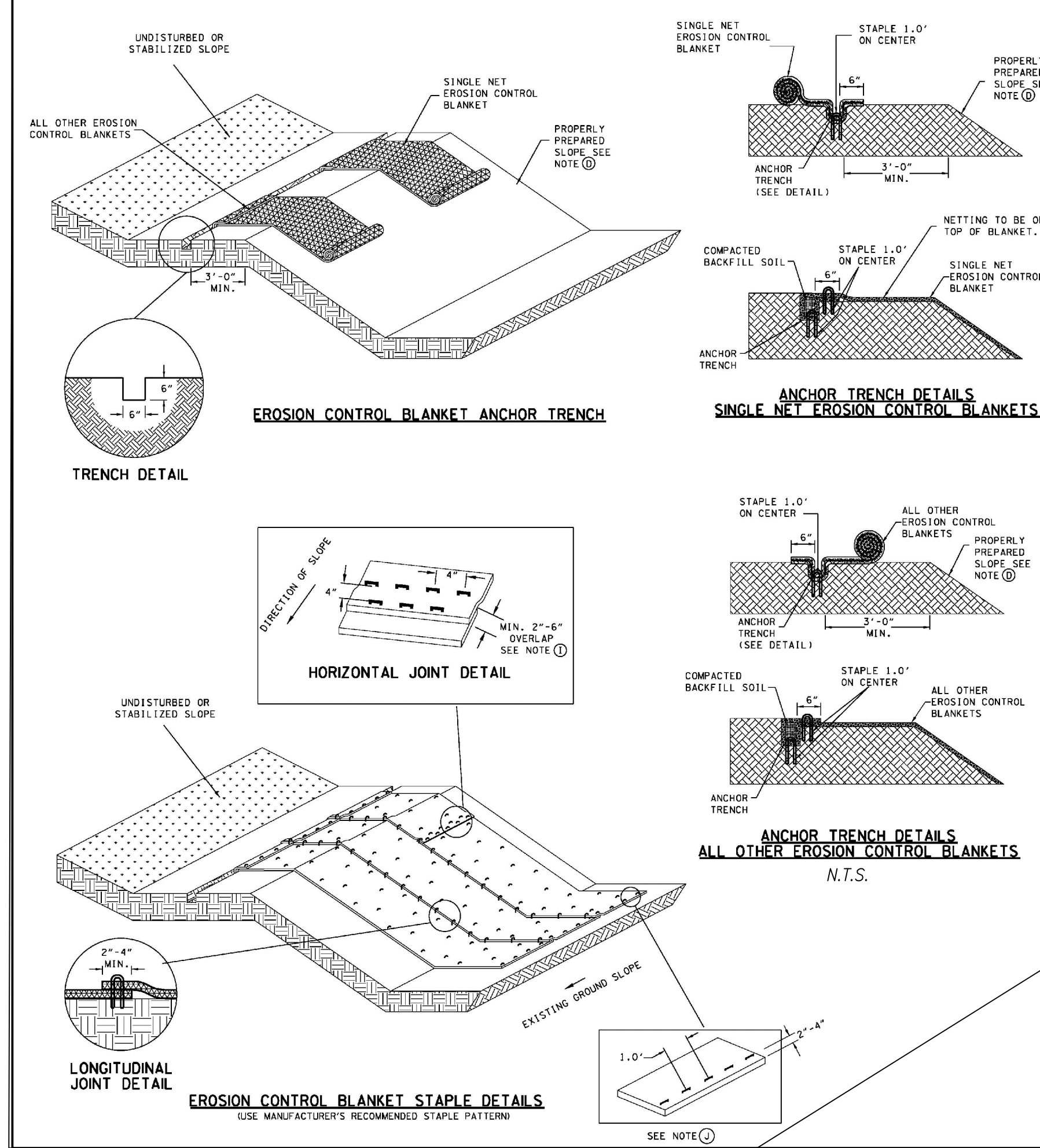
Kentucky 811
FIVE STAR
Newcomb OIL CO.
NEWCOMB OIL CO., LLC
951 WITHROW CT.
BARDSTOWN, KY 40004

K&W ENGINEERING & LAND SURVEYING
LEBANON OFFICE:
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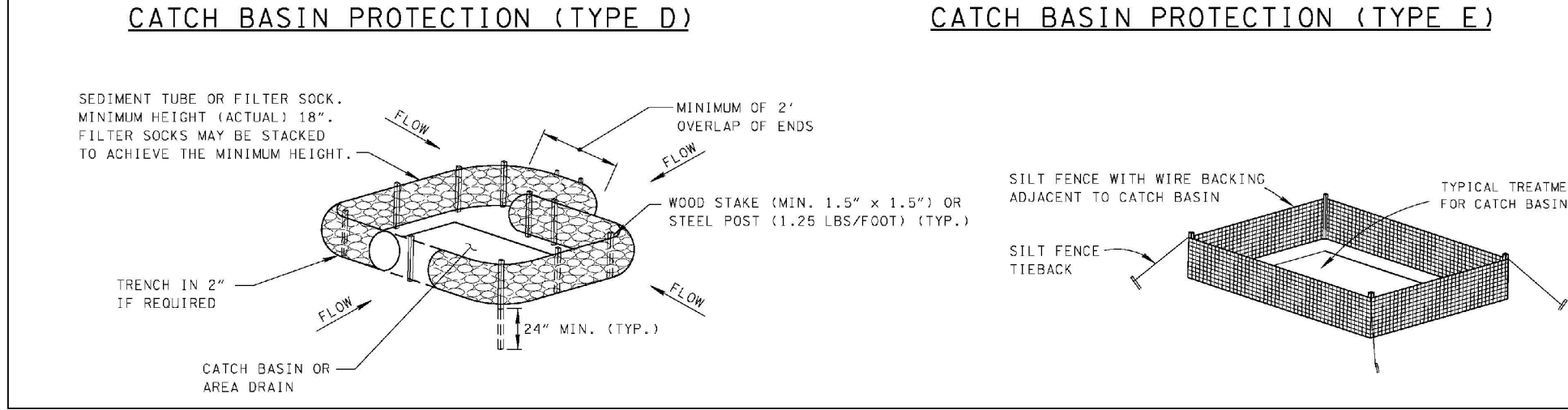
REVISIONS:	DATE:
FIRST PRINTING	04-05-2022
REVISED SITE DETAILS	07-26-2024
NOT TO SCALE	
SHEET:	DATE: 5-21-22
LAYOUT DETAILS	C4.01

FIVESTAR#2000 BRANDENBURG

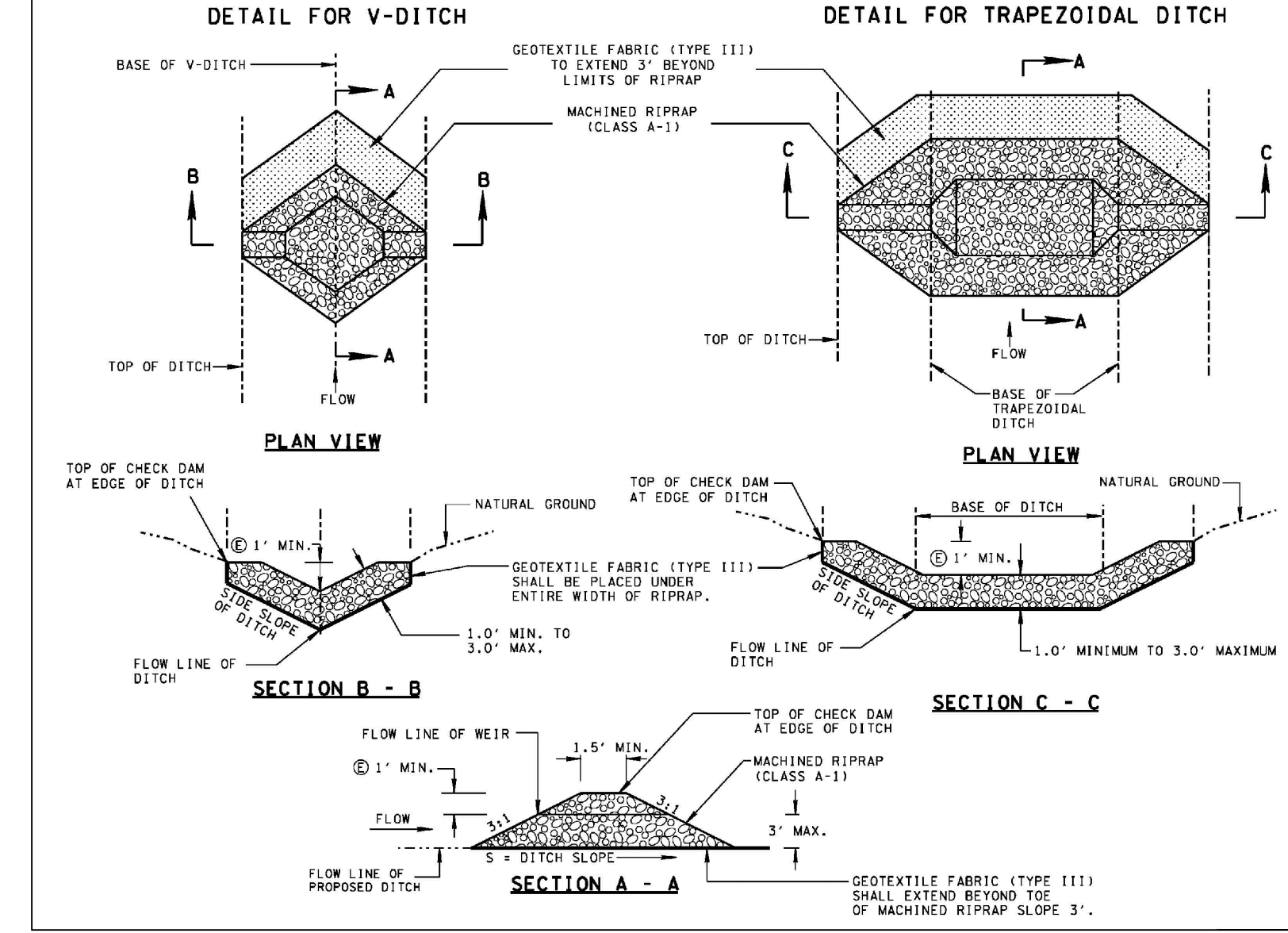
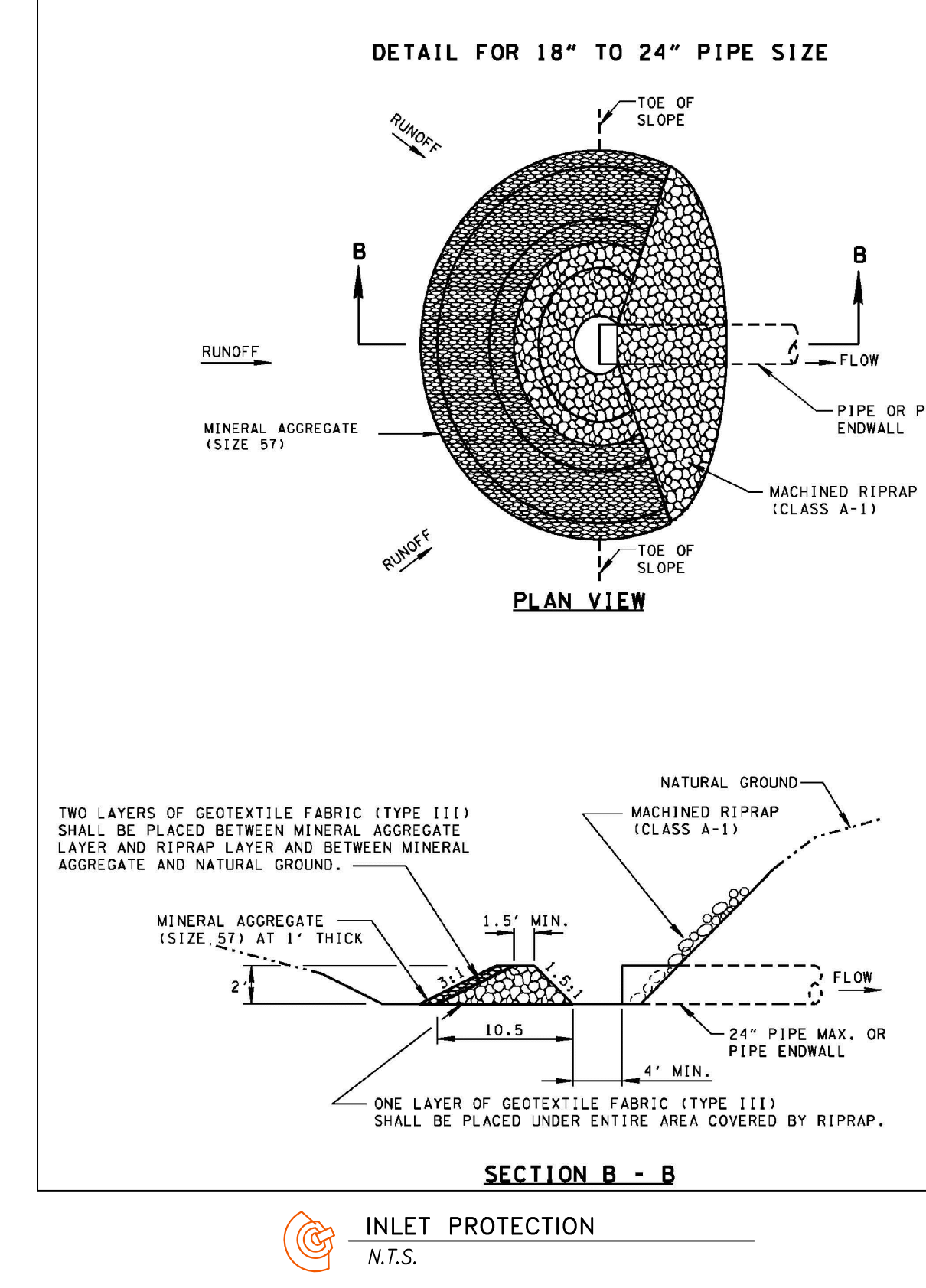
FIVESTAR#2000 BRANDENBURG



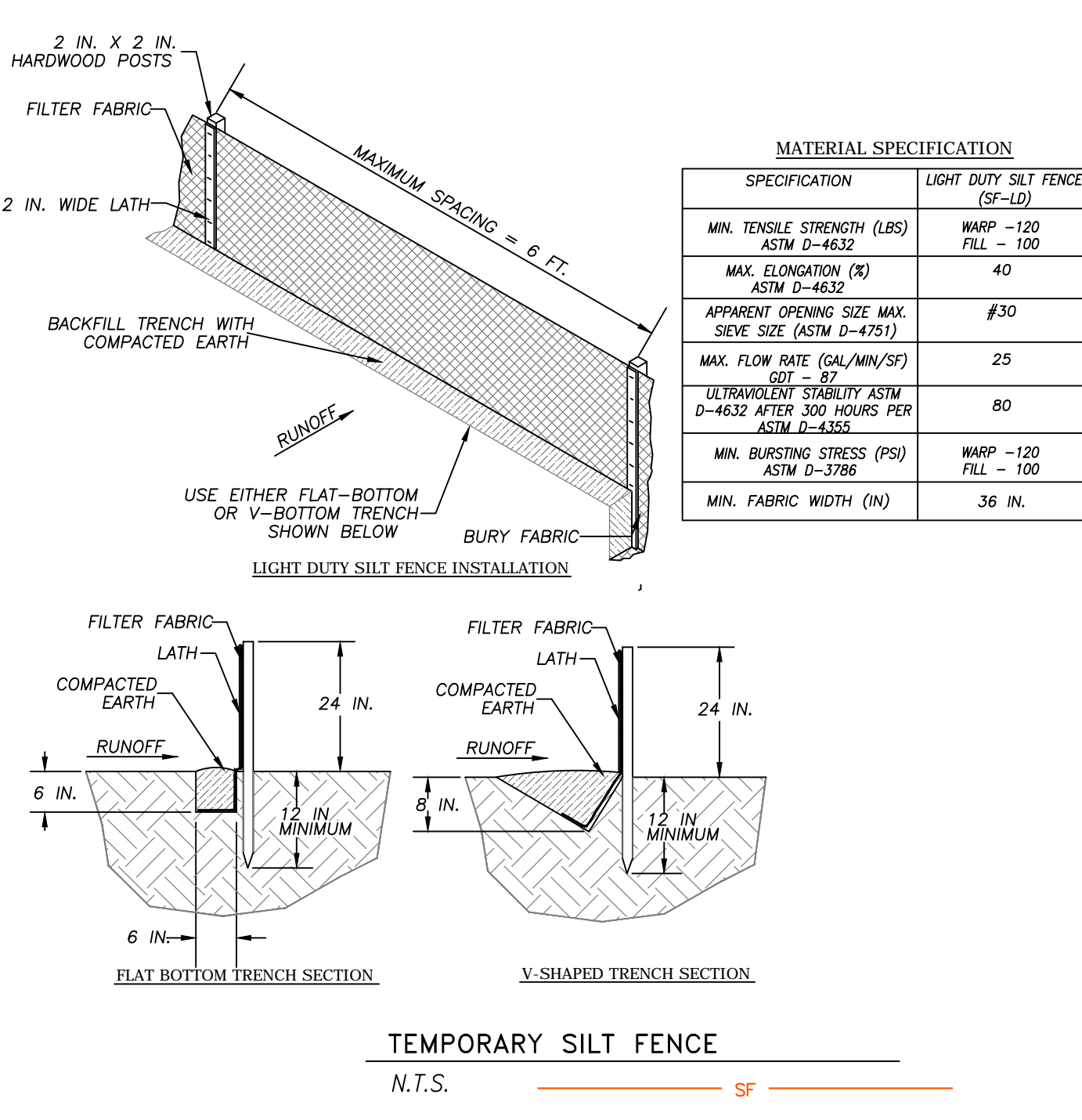
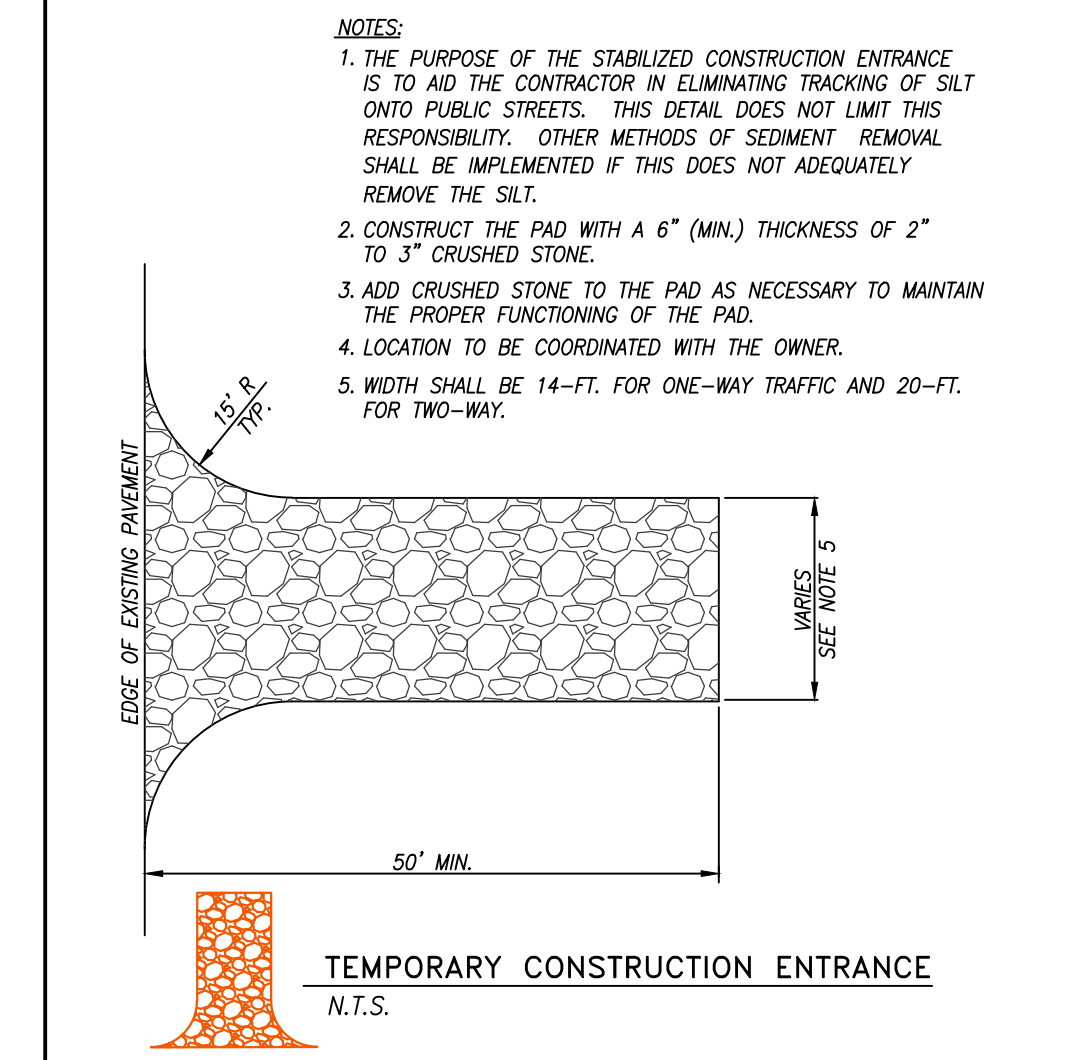
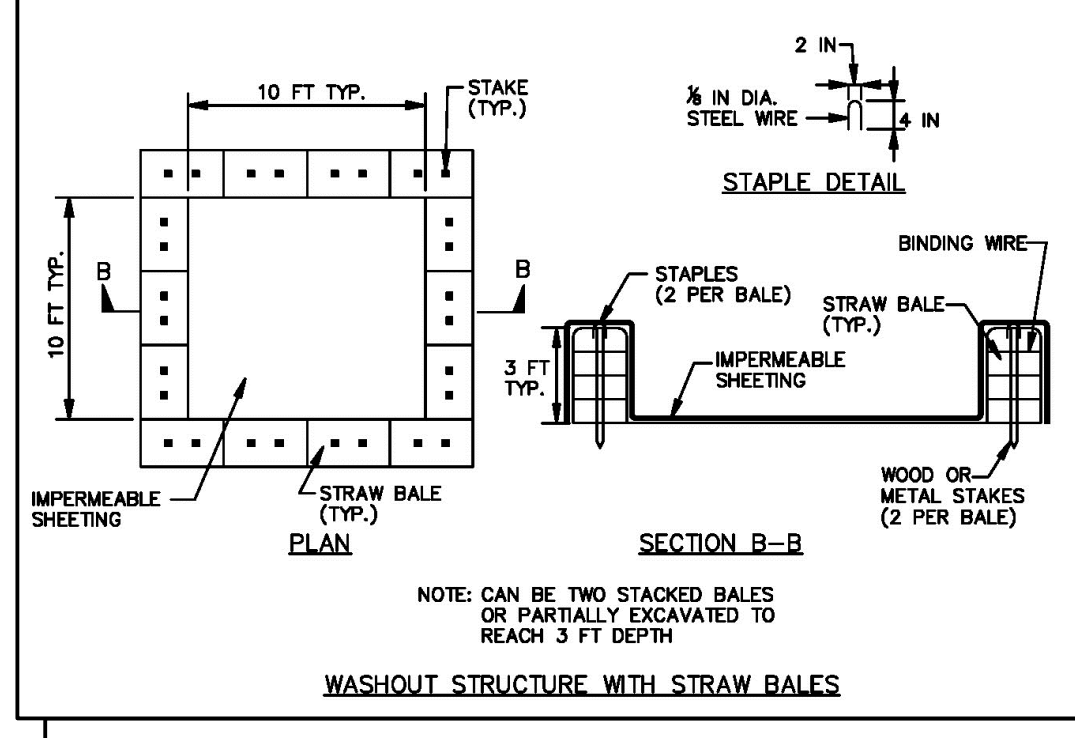
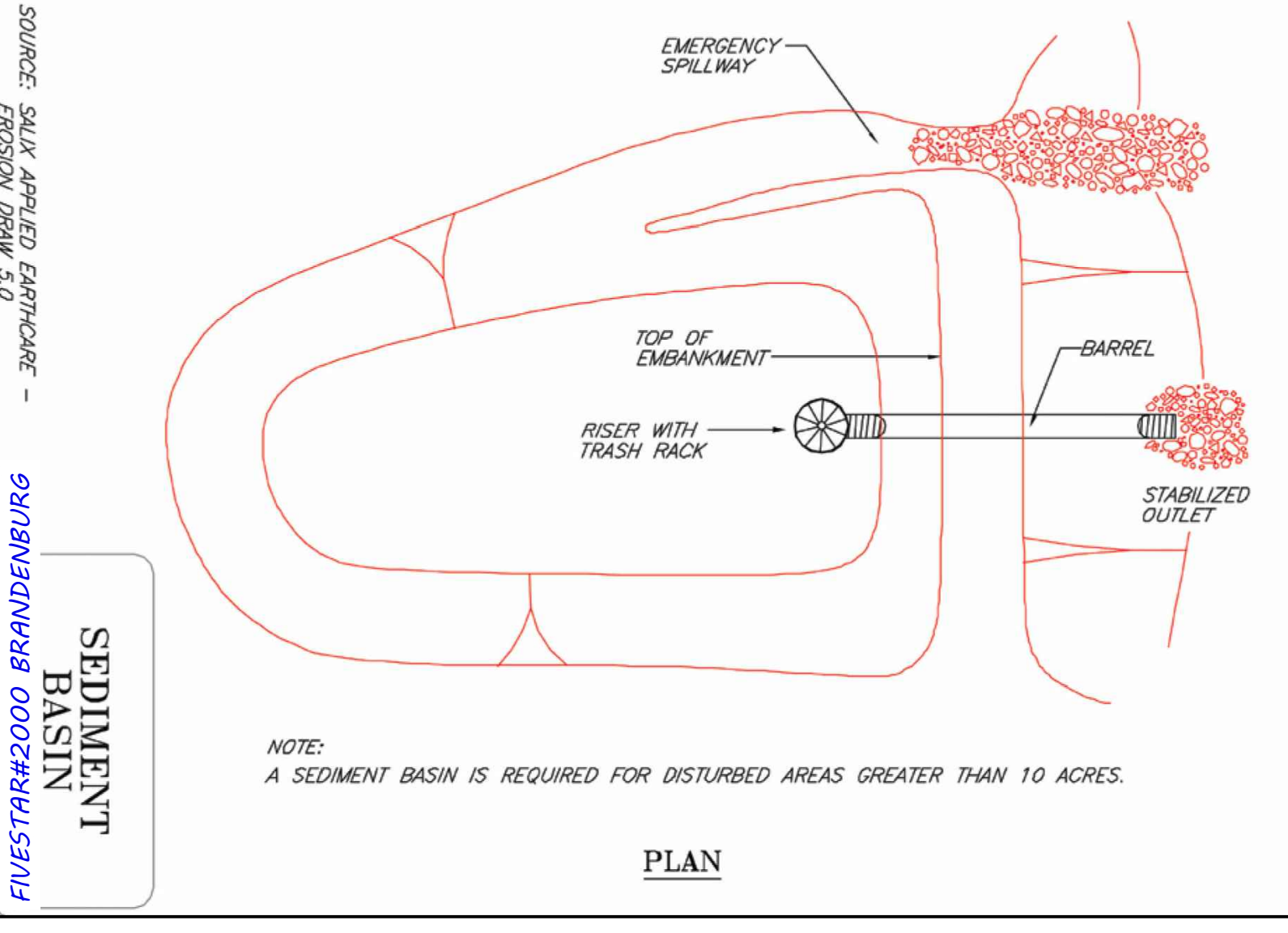
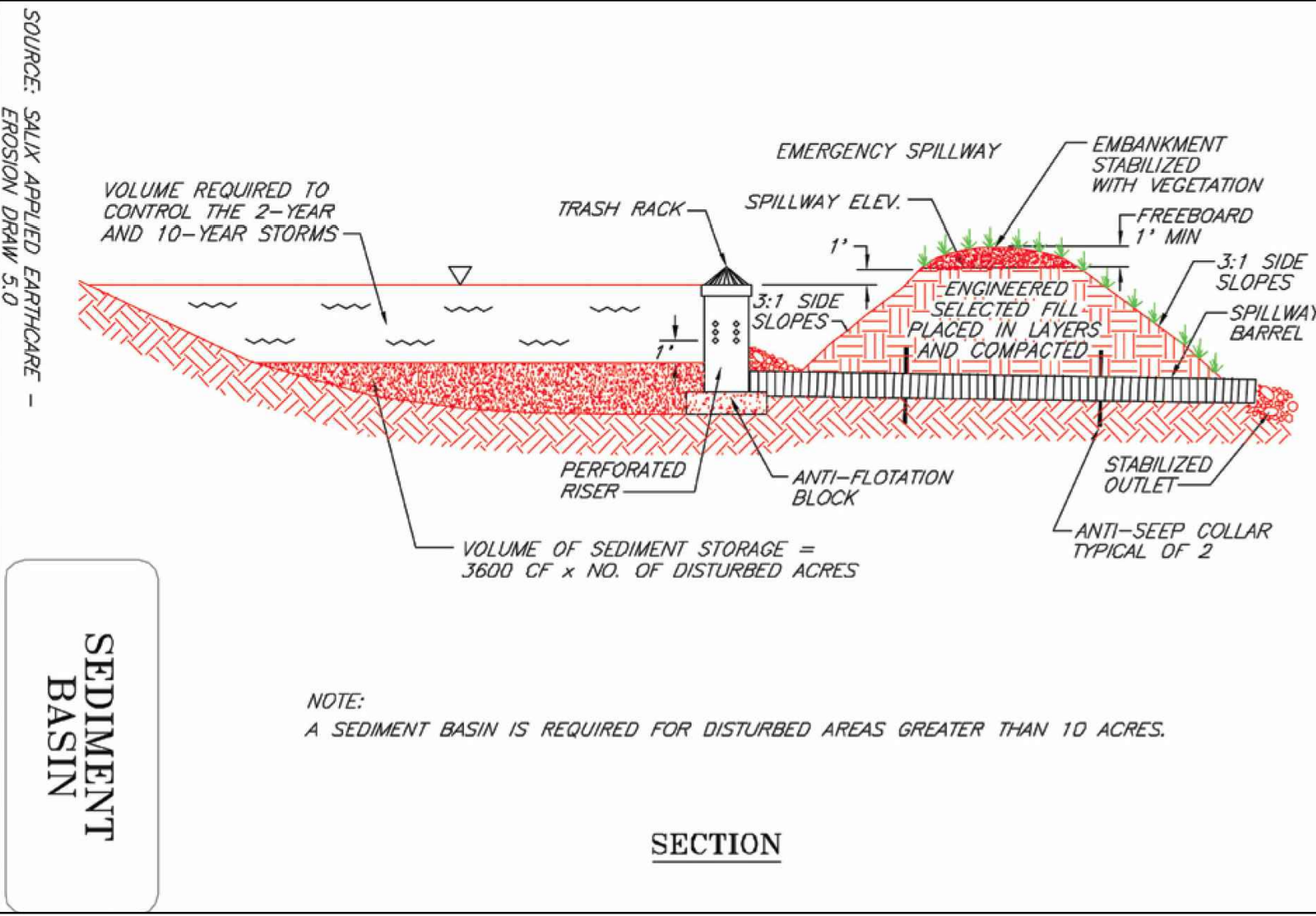
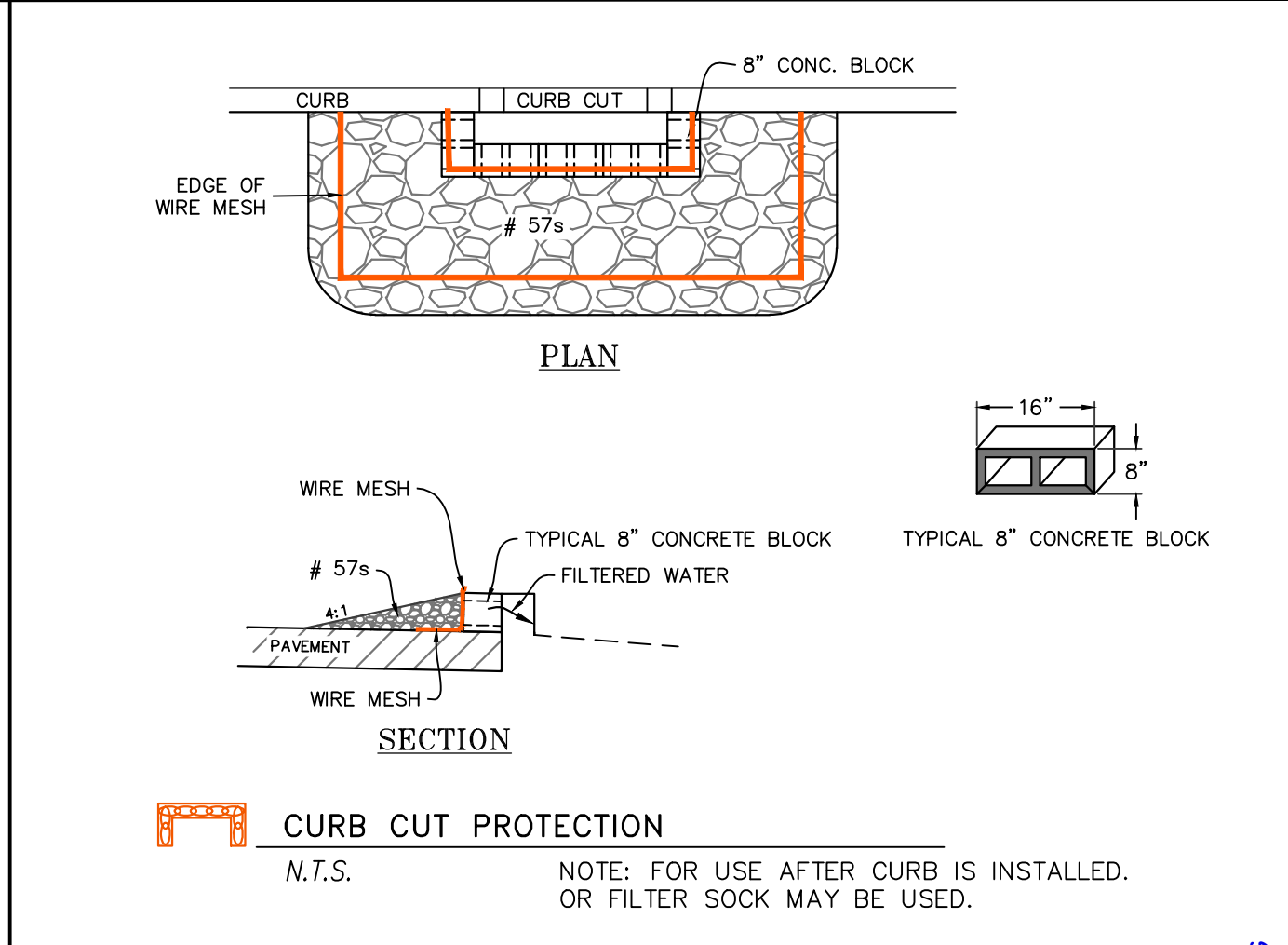
- EROSION CONTROL BLANKET INSTALLATION GENERAL NOTES**
- EROSION CONTROL BLANKETS ARE INTENDED TO BE USED AS AN IMMEDIATE MULCH COVER FOR DISTURBED SLOPES THAT HAVE BEEN TEMPORARILY OR PERMANENTLY SEEDED.
 - EROSION CONTROL BLANKETS MAY ALSO BE USED AS CHANNEL LINERS WHERE THE ANTICIPATED MAXIMUM SHEAR 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 "SHIMMED" 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.



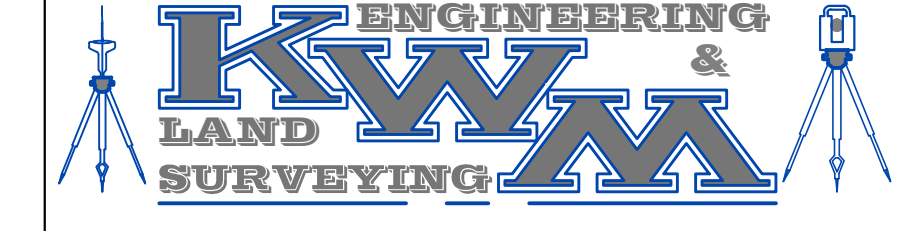
CATCH BASIN INLET PROTECTION
N.T.S.



ROCK CHECK DAM
N.T.S.



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



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REVISIONS:	DATE:
FIRST PRINTING	04-05-2022
NOT TO SCALE	
SHEET:	DATE: 5-21-22
EROSION CONTROL DETAILS	
C4.02	

SOURCE: SALIX APPLIED ENGINEERING - EROSION CONTROL, INC.

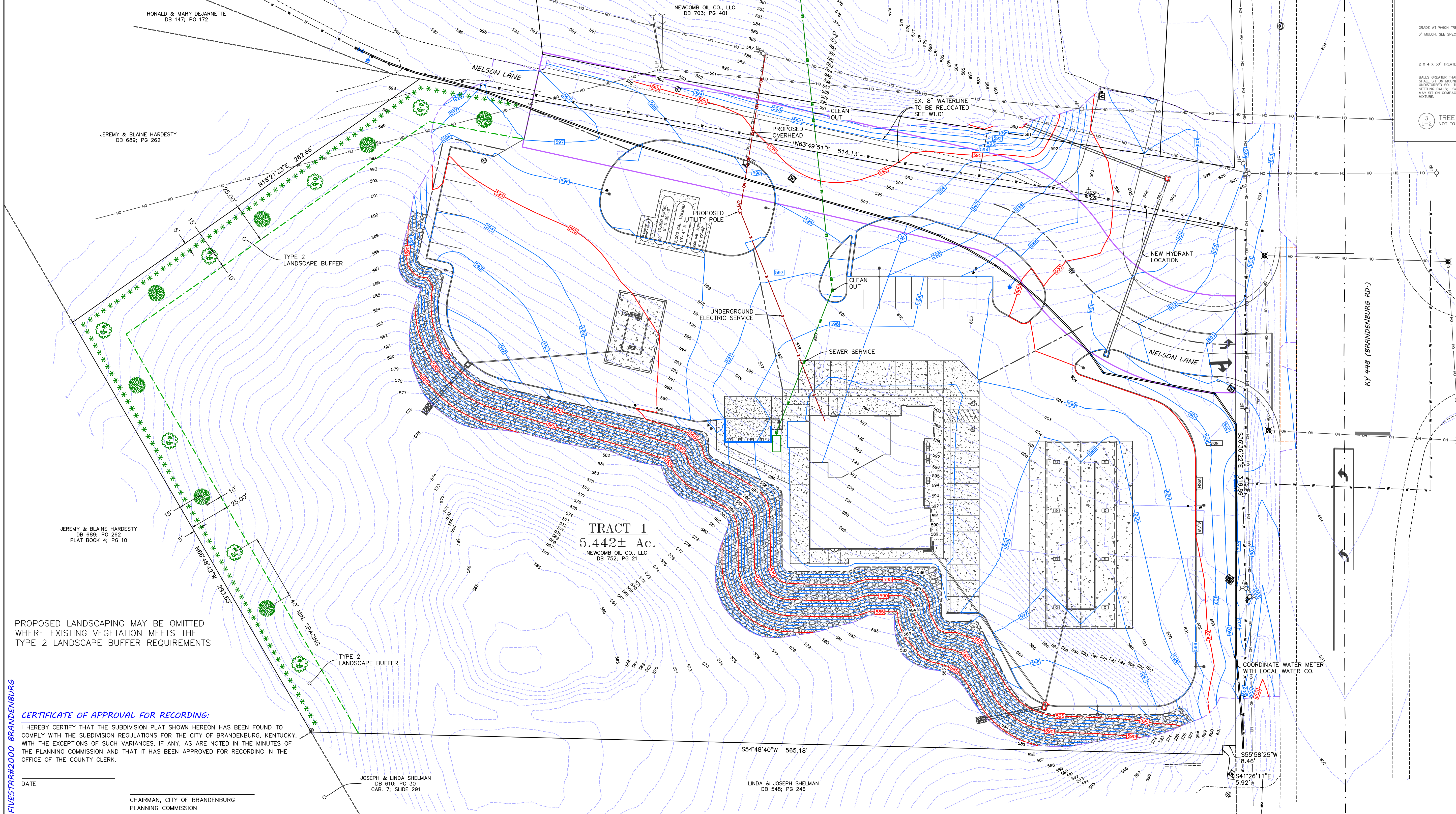
SOURCE: SALIX APPLIED ENGINEERING - EROSION CONTROL, INC.

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PLANT SCHEDULE	
TREES	
	DWARF RED OAKS (QUERCUS RUBRA)
	EASTERN REDBUD (CERCIS CANADENSIS)
SHRUBS	
	FLOWERING DOGWOOD (CORNUS FLORIDA) 50%
	CHINA GIRL HOLLY (ILEX CORNUTA RUGOSA) UNLESS OTHERWISE NOTED
GROUNDCOVERS	
	GRASS OF THE FESCUS (GRAMINEAE) OR BLUEGRASS (POACEAE) FAMILY

GENERAL NOTES:

- THIS PROPERTY SHOWN HEREON IS NOT A BOUNDARY SURVEY AND SHALL NOT BE USED FOR LAND TRANSFER.
- THE SOURCE OF THE SURVEY FOR THE PROPERTY SHOWN HEREON IS A PORTION OF THE SAME PROPERTY DESCRIBED IN THE DEED TO NEWCOMB OIL CO., LLC, DEED BOOK 752, PAGE 21, AS RECORDED IN THE MEADE COUNTY CLERK'S OFFICE.
- THE UTILITIES SHOWN HEREON ARE BASED ON FOUND VISIBLE EVIDENCE OR AS MARKED BY THEIR OWNERS. NO GUARANTEE IS EXPRESSED OR IMPLIED AS TO THE LOCATION OR EXISTENCE OF UTILITIES SHOWN. OTHER UTILITIES MAY EXIST ON OR NEAR THE PROPERTY SHOWN HEREON.



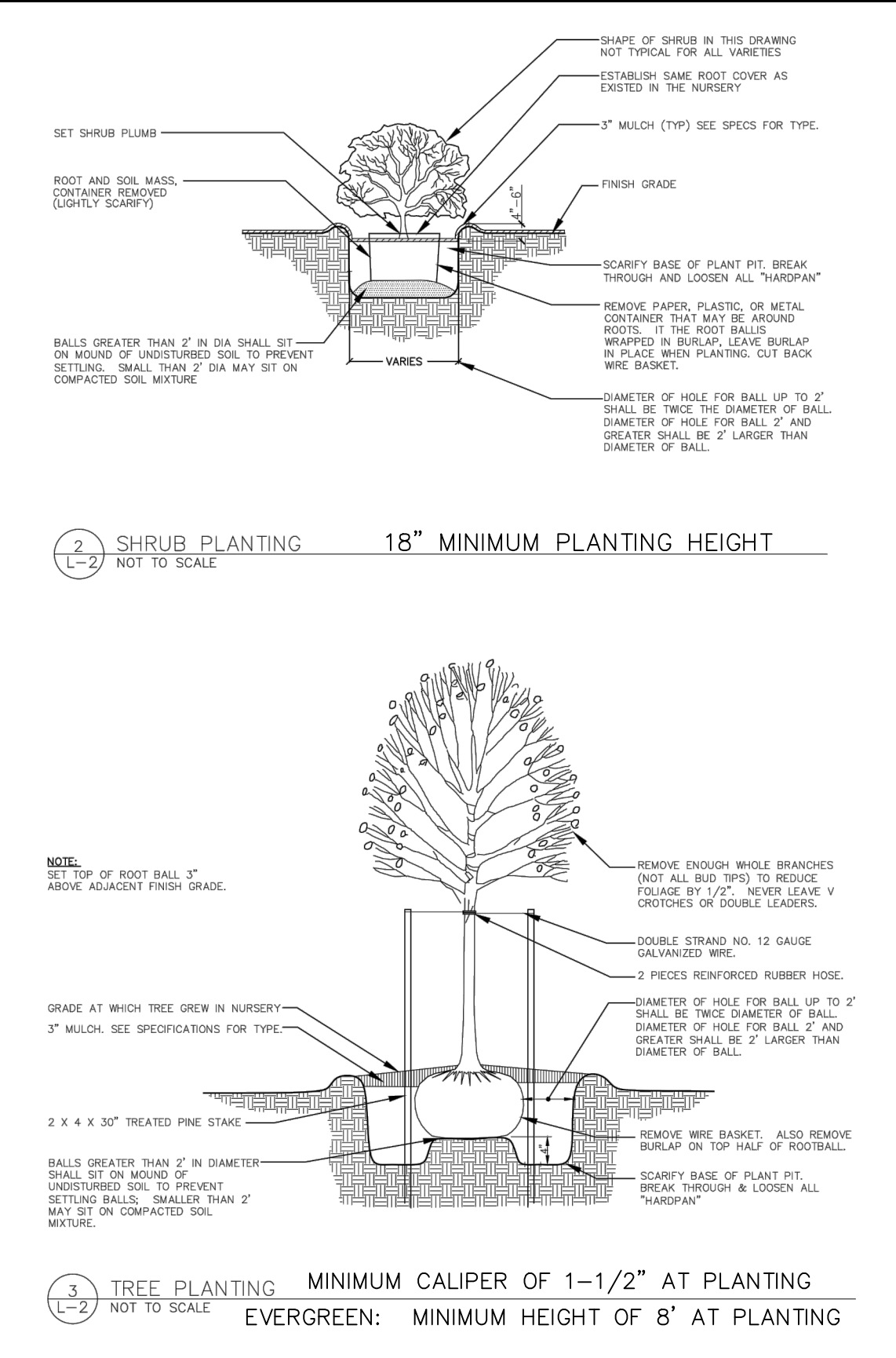
PROPOSED LANDSCAPING MAY BE OMITTED WHERE EXISTING VEGETATION MEETS THE TYPE 2 LANDSCAPE BUFFER REQUIREMENTS

CERTIFICATE OF APPROVAL FOR RECORDING:

I HEREBY CERTIFY THAT THE SUBDIVISION PLAT SHOWN HEREON HAS BEEN FOUND TO COMPLY WITH THE SUBDIVISION REGULATIONS FOR THE CITY OF BRANDENBURG, KENTUCKY, WITH THE EXCEPTIONS OF SUCH VARIANCES, IF ANY, AS ARE NOTED IN THE MINUTES OF THE PLANNING COMMISSION AND THAT IT HAS BEEN APPROVED FOR RECORDING IN THE OFFICE OF THE COUNTY CLERK.

DATE _____

CHAIRMAN, CITY OF BRANDENBURG
PLANNING COMMISSION



SITE LEGEND

- = LIGHT POLES/SECURITY LIGHT
- = PROPOSED STORM PIPE
- = CONCRETE AREA
- = PROPERTY LINES
- = 690 = EXISTING CONTOURS
- = 590 = PROPOSED CONTOURS
- = DISTURB LIMITS

0' 30' 60' 90'

Kentucky 811

FIVESTAR

Newcomb OIL CO.

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

KWM & SURVEYING

LEBANON OFFICE: 335 N. WOODLAWN AVE. LEBANON, KY 40033
NATHAN ALLAN KING P.E. #24283 P.L.S. #3831
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REVISIONS:	DATE:
REVISE GAS & DIESEL CANOPIES	07-24-24
REVISED WATER SERVICE LINE	07-26-24

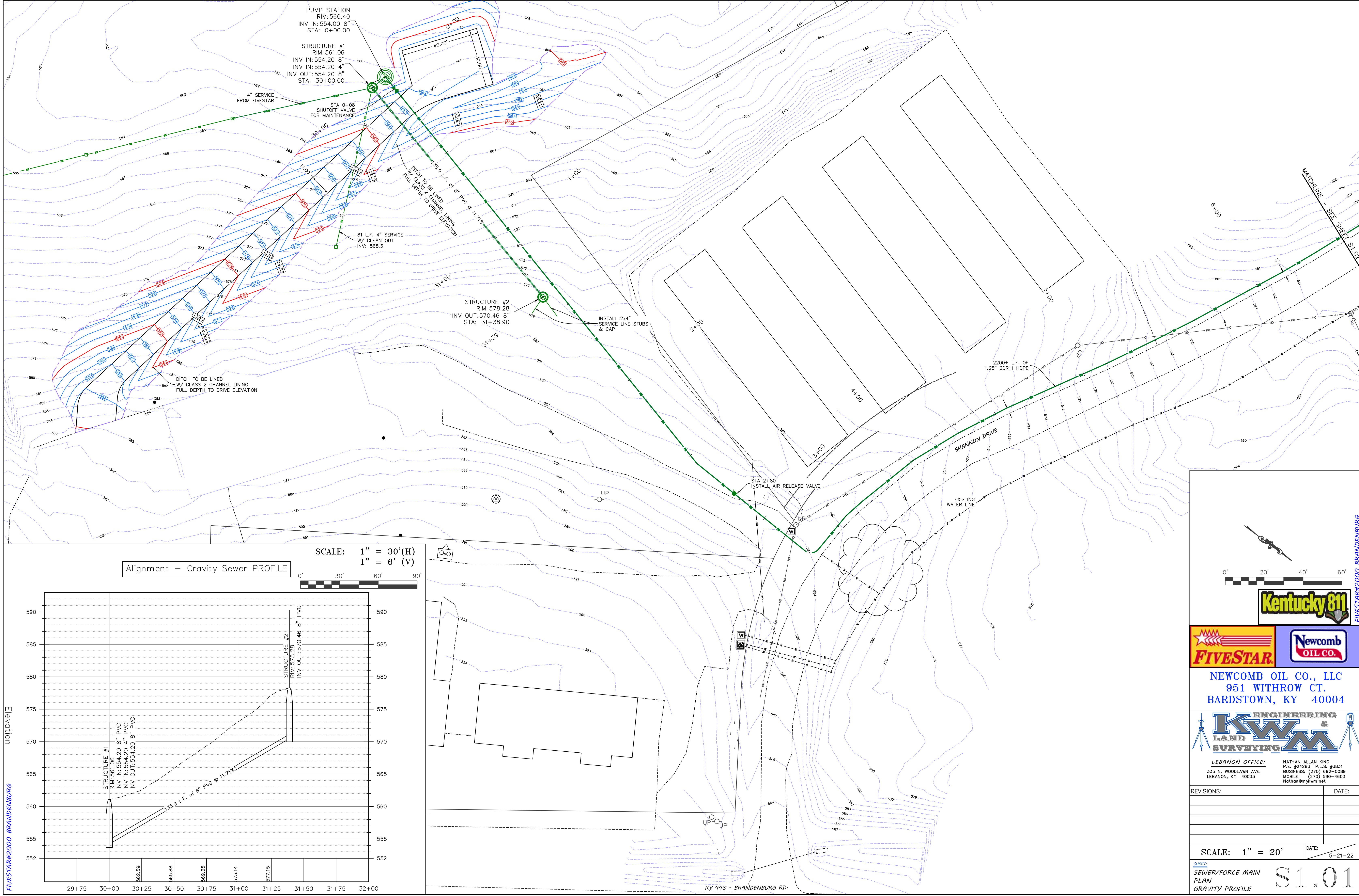
SCALE: 1" = 30' DATE: 5-21-22

DEVELOPMENT LANDSCAPING & UTILITY PLAN

C5.01

FIVESTAR#2000 BRANDENBURG

FIVESTAR#2000 BRANDENBURG



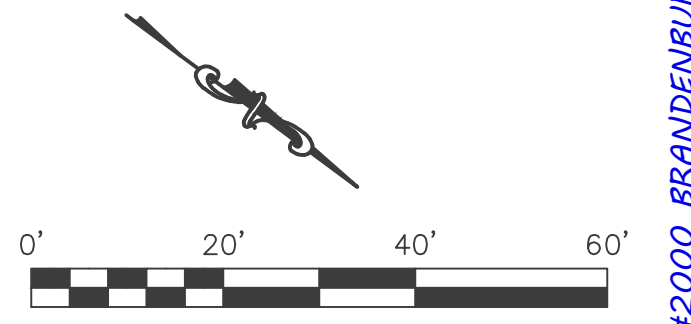
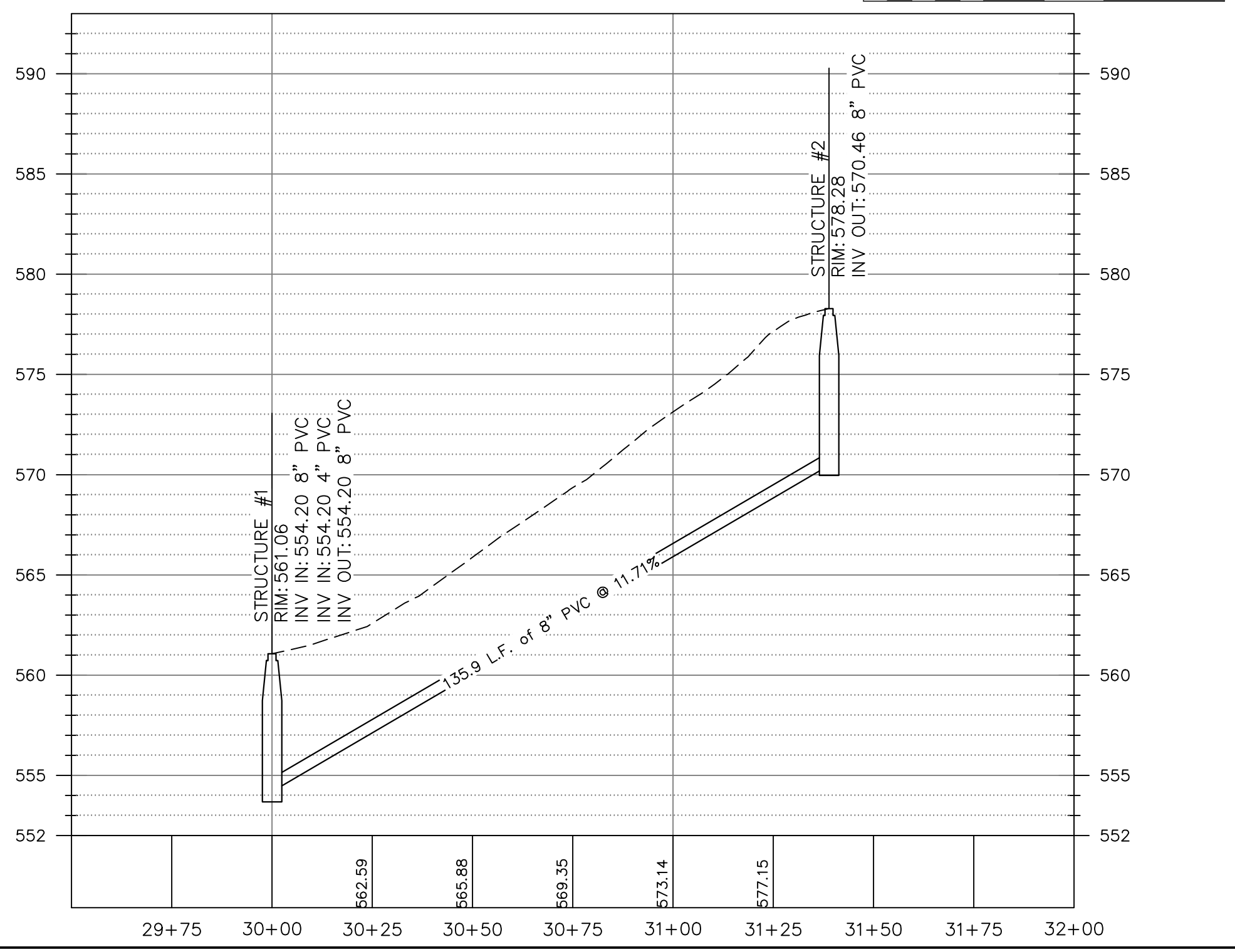
PUMP STATION
RIM: 560.40
INV IN: 554.00 8"
STA: 0+00.00

STRUCTURE #1
RIM: 561.06
INV IN: 554.20 8"
INV IN: 554.20 4"
INV OUT: 554.20 8"
STA: 30+00.00

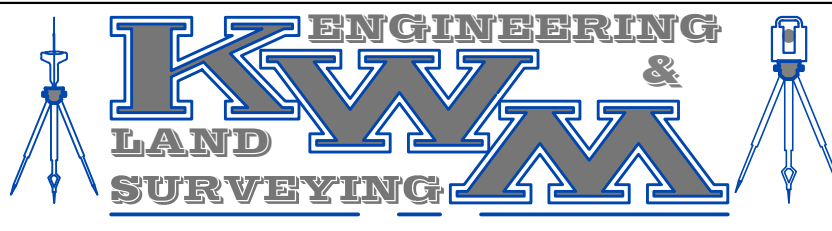
STRUCTURE #2
RIM: 578.28
INV OUT: 570.46 8"
STA: 31+38.90

Alignment - Gravity Sewer PROFILE

SCALE: 1" = 30'(H)
1" = 6'(V)



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951 WITHROW CT.
BARDSTOWN, KY 40004



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REVISIONS:	DATE:

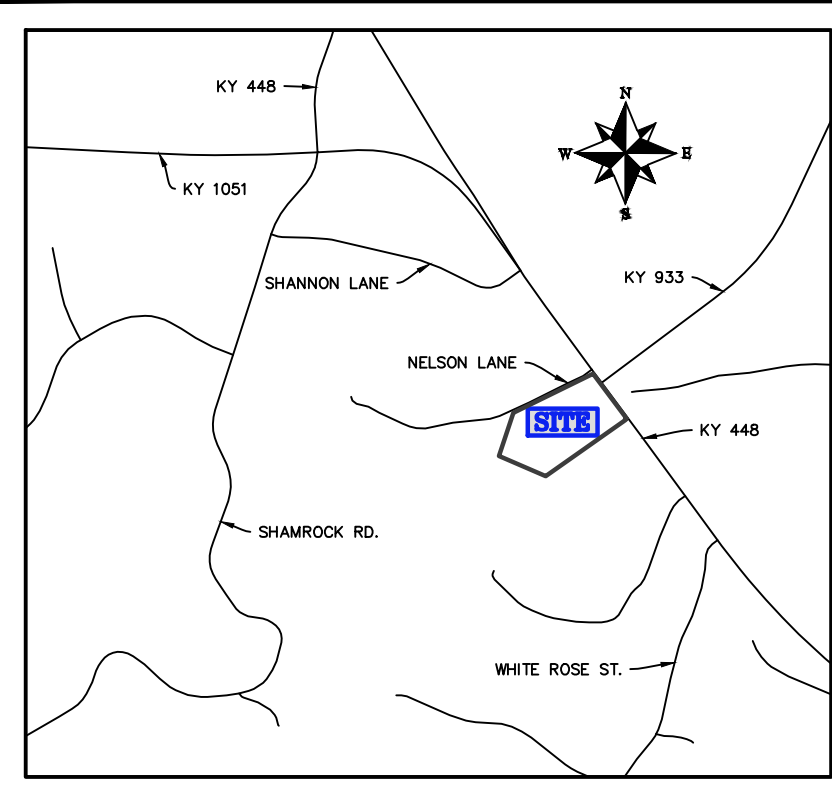
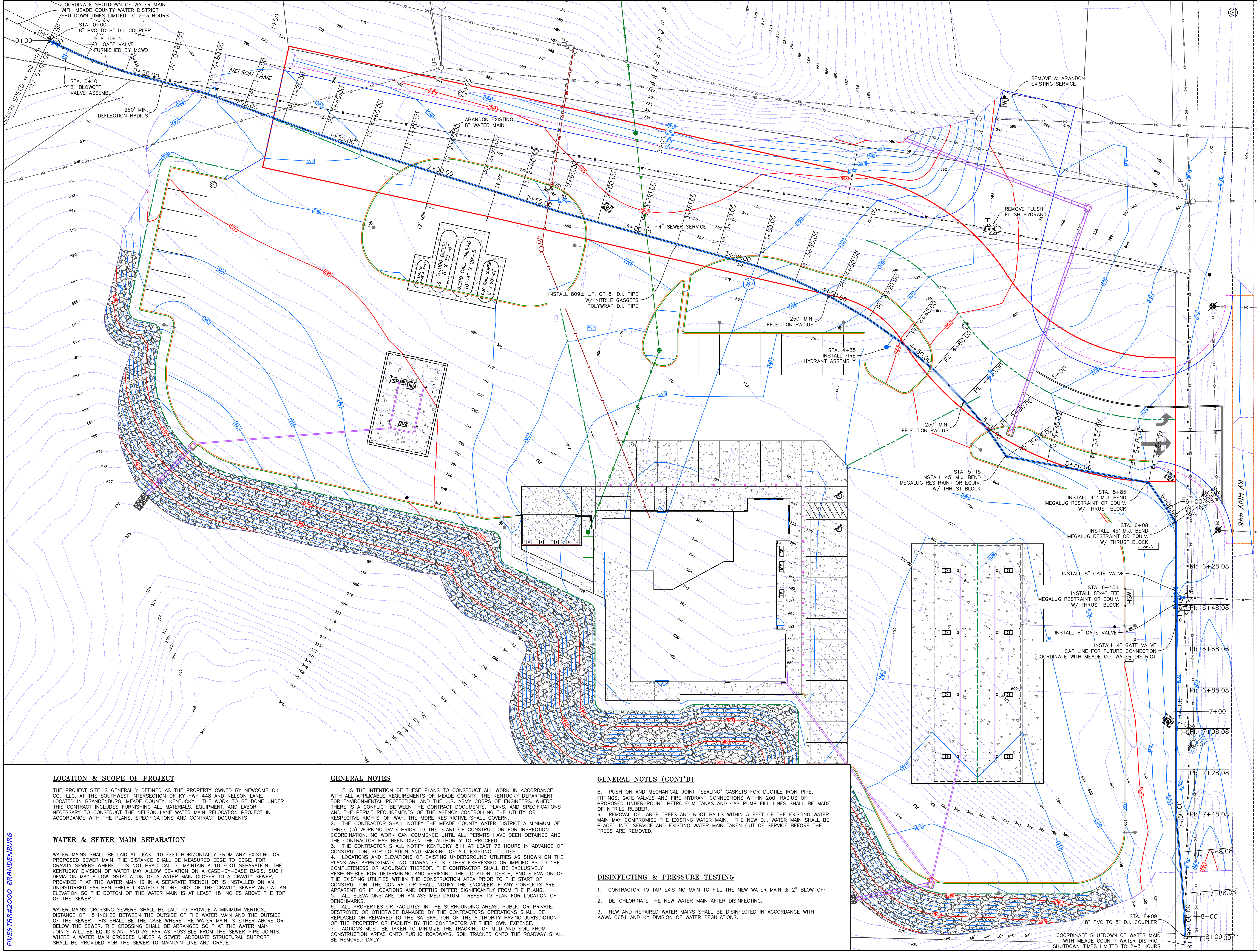
SCALE: 1" = 20' DATE: 5-21-22

SHEET: SEWER/FORCE MAIN PLAN GRAVITY PROFILE S1.01

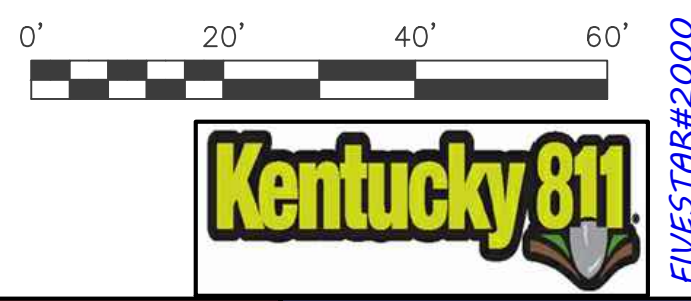
FIVESTAR#2000 BRANDENBURG

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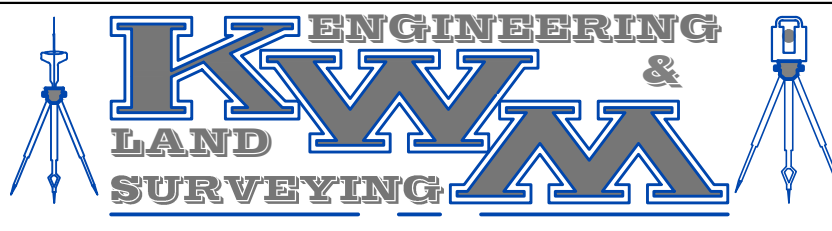
KY 448 - BRANDENBURG RD.



VICINITY MAP n.t.s.



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



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 Nathan@nakykm.net

REVISIONS:	DATE:
UPDATE NOTES	07-26-24

SCALE: 1" = 20' DATE: 5-21-22

SHEET: WATER MAIN RELOCATION PLAN **W1.01**

LOCATION & SCOPE OF PROJECT

THE PROJECT SITE IS GENERALLY DEFINED AS THE PROPERTY OWNED BY NEWCOMB OIL CO., LLC, AT THE SOUTHWEST INTERSECTION OF KY HWY 448 AND NELSON LANE, LOCATED IN BRANDENBURG, MEADE COUNTY, KENTUCKY. THE WORK TO BE DONE UNDER THIS CONTRACT INCLUDES FURNISHING ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY TO CONSTRUCT THE NELSON LANE WATER MAIN RELOCATION PROJECT IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS AND CONTRACT DOCUMENTS.

WATER & SEWER MAIN SEPARATION

WATER MAINS SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED SEWER MAIN. THE DISTANCE SHALL BE MEASURED EDGE TO EDGE. FOR GRAVITY SEWERS WHERE IT IS NOT PRACTICAL TO MAINTAIN A 10 FOOT SEPARATION, THE KENTUCKY DIVISION OF WATER MAY ALLOW DEVIATION ON A CASE-BY-CASE BASIS. SUCH DEVIATION MAY ALLOW INSTALLATION OF A WATER MAIN CLOSER TO A GRAVITY SEWER, PROVIDED THAT THE WATER MAIN IS IN A SEPARATE TRENCH OR IS INSTALLED ON AN UNDISTURBED EARTHEN SHELF LOCATED ON ONE SIDE OF THE GRAVITY SEWER AND AT AN ELEVATION SO THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER.

WATER MAINS CROSSING SEWERS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF THE SEWER. THIS SHALL BE THE CASE WHERE THE WATER MAIN IS EITHER ABOVE OR BELOW THE SEWER. THE CROSSING SHALL BE ARRANGED SO THAT THE WATER MAIN JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE SEWER PIPE JOINTS. WHERE A WATER MAIN CROSSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT SHALL BE PROVIDED FOR THE SEWER TO MAINTAIN LINE AND GRADE.

GENERAL NOTES

- IT IS THE INTENTION OF THESE PLANS TO CONSTRUCT ALL WORK IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS OF MEADE COUNTY, THE KENTUCKY DEPARTMENT FOR ENVIRONMENTAL PROTECTION, AND THE U.S. ARMY CORPS OF ENGINEERS. WHERE THERE IS A CONFLICT BETWEEN THE CONTRACT DOCUMENTS, PLANS, AND SPECIFICATIONS AND THE PERMIT REQUIREMENTS OF THE AGENCY CONTROLLING THE UTILITY OR RESPECTIVE RIGHTS-OF-WAY, THE MORE RESTRICTIVE SHALL GOVERN.
- THE CONTRACTOR SHALL NOTIFY THE MEADE COUNTY WATER DISTRICT A MINIMUM OF THREE (3) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION FOR INSPECTION COORDINATION. NO WORK CAN COMMENCE UNTIL ALL REQUIREMENTS HAVE BEEN OBTAINED AND THE CONTRACTOR HAS BEEN GIVEN THE AUTHORITY TO PROCEED.
- THE CONTRACTOR SHALL NOTIFY KENTUCKY 811 AT LEAST 72 HOURS IN ADVANCE OF CONSTRUCTION, FOR LOCATION AND MARKING OF ALL EXISTING UTILITIES.
- LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. NO GUARANTEE IS EITHER EXPRESSED OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING AND VERIFYING THE LOCATION, DEPTH, AND ELEVATION OF THE EXISTING UTILITIES WITHIN THE CONSTRUCTION AREA PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY CONFLICTS ARE APPARENT OR IF LOCATIONS AND DEPTHS DIFFER SIGNIFICANTLY FROM THE PLANS.
- ALL ELEVATIONS ARE ON AN ASSUMED DATUM. REFER TO PLAN FOR LOCATION OF BENCHMARKS.
- ALL PROPERTIES OR FACILITIES IN THE SURROUNDING AREAS, PUBLIC OR PRIVATE, DESTROYED OR OTHERWISE DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED OR REPAIRED TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION OF THE PROPERTY OR FACILITY BY THE CONTRACTOR AT THEIR OWN EXPENSE.
- ACTIONS MUST BE TAKEN TO MINIMIZE THE TRACKING OF MUD AND SOIL FROM CONSTRUCTION AREAS ONTO PUBLIC ROADWAYS. SOIL TRACKED ONTO THE ROADWAY SHALL BE REMOVED DAILY.

GENERAL NOTES (CONT'D)

- PUSH ON AND MECHANICAL JOINT "SEALING" GASKETS FOR DUCTILE IRON PIPE, FITTINGS, GATE VALVES AND FIRE HYDRANT CONNECTIONS WITHIN 200' RADIUS OF PROPOSED UNDERGROUND PETROLEUM TANKS AND GAS PUMP FILL LINES SHALL BE MADE OF NITRILE RUBBER.
- REMOVAL OF LARGE TREES AND ROOT BALLS WITHIN 5 FEET OF THE EXISTING WATER MAIN MAY COMPROMISE THE EXISTING WATER MAIN TAKEN OUT OF SERVICE BEFORE THE TREES ARE REMOVED.

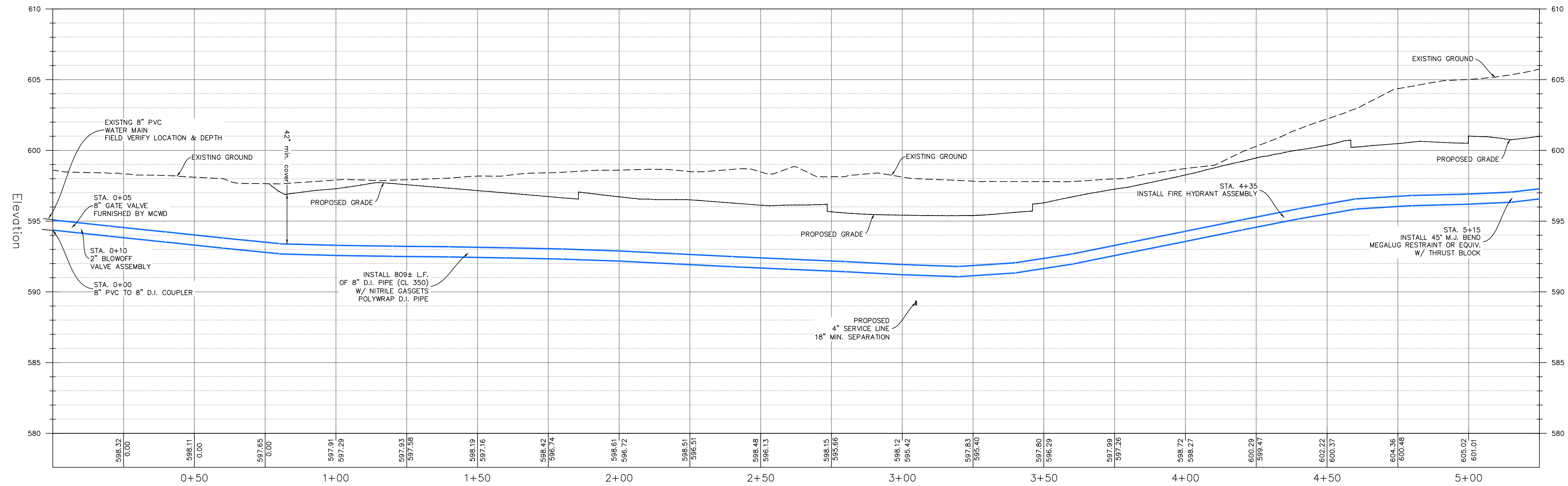
DISINFECTING & PRESSURE TESTING

- CONTRACTOR TO TAP EXISTING MAIN TO FILL THE NEW WATER MAIN & 2" BLOW OFF.
- DE-CHLORINATE THE NEW WATER MAIN AFTER DISINFECTING.
- NEW AND REPAIRED WATER MAINS SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA C651 AND KY DIVISION OF WATER REGULATIONS.

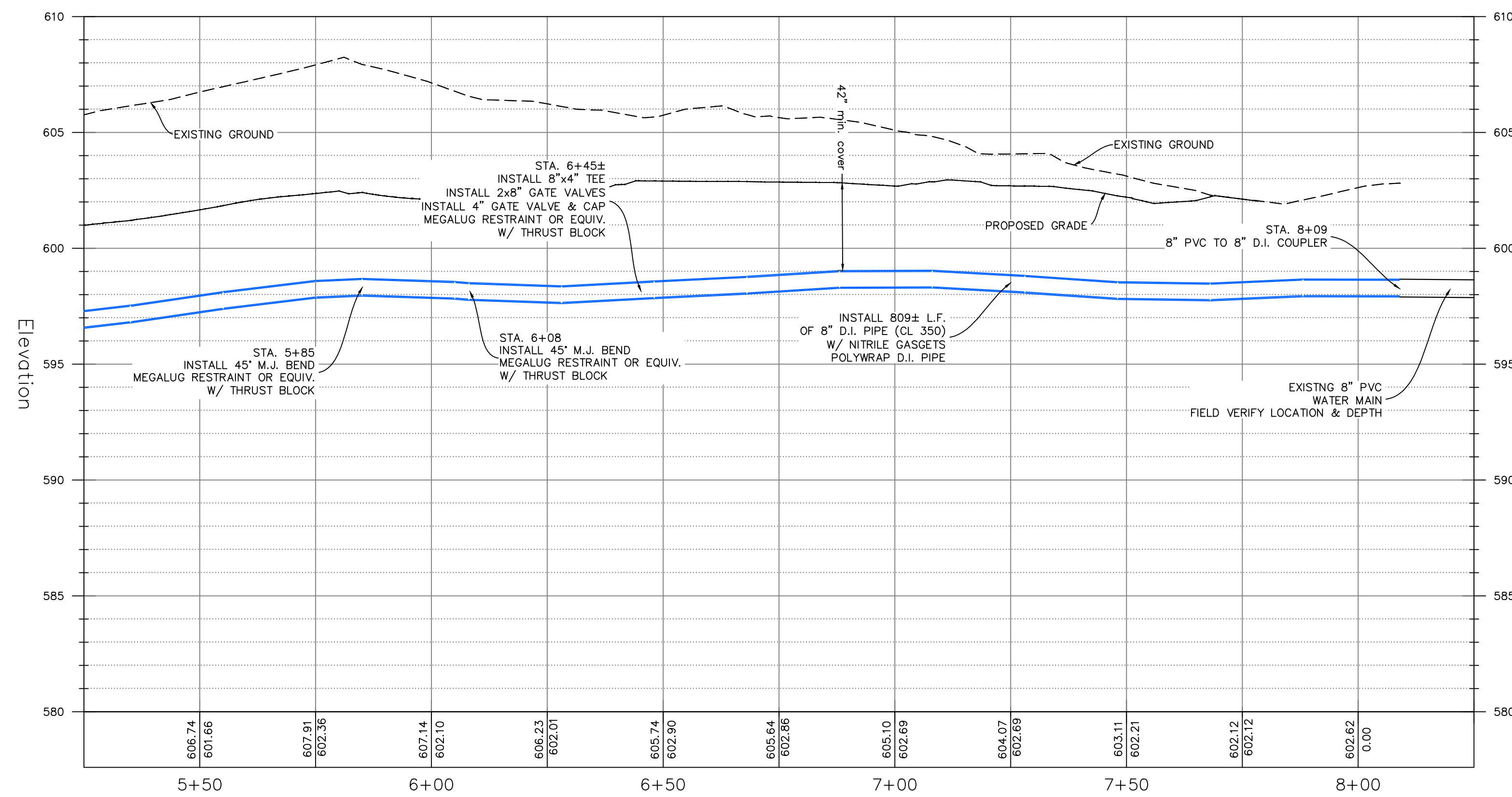
FIVESTAR#2000 BRANDENBURG

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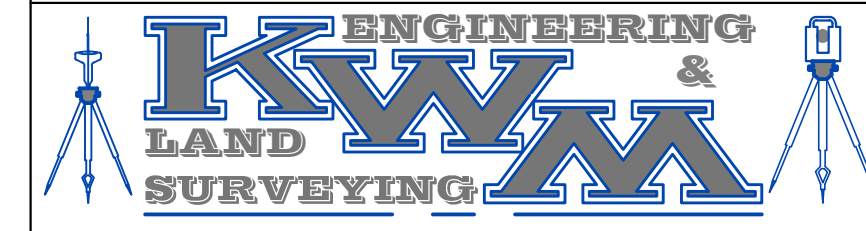
Water Main Relocation



Water Main Relocation



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



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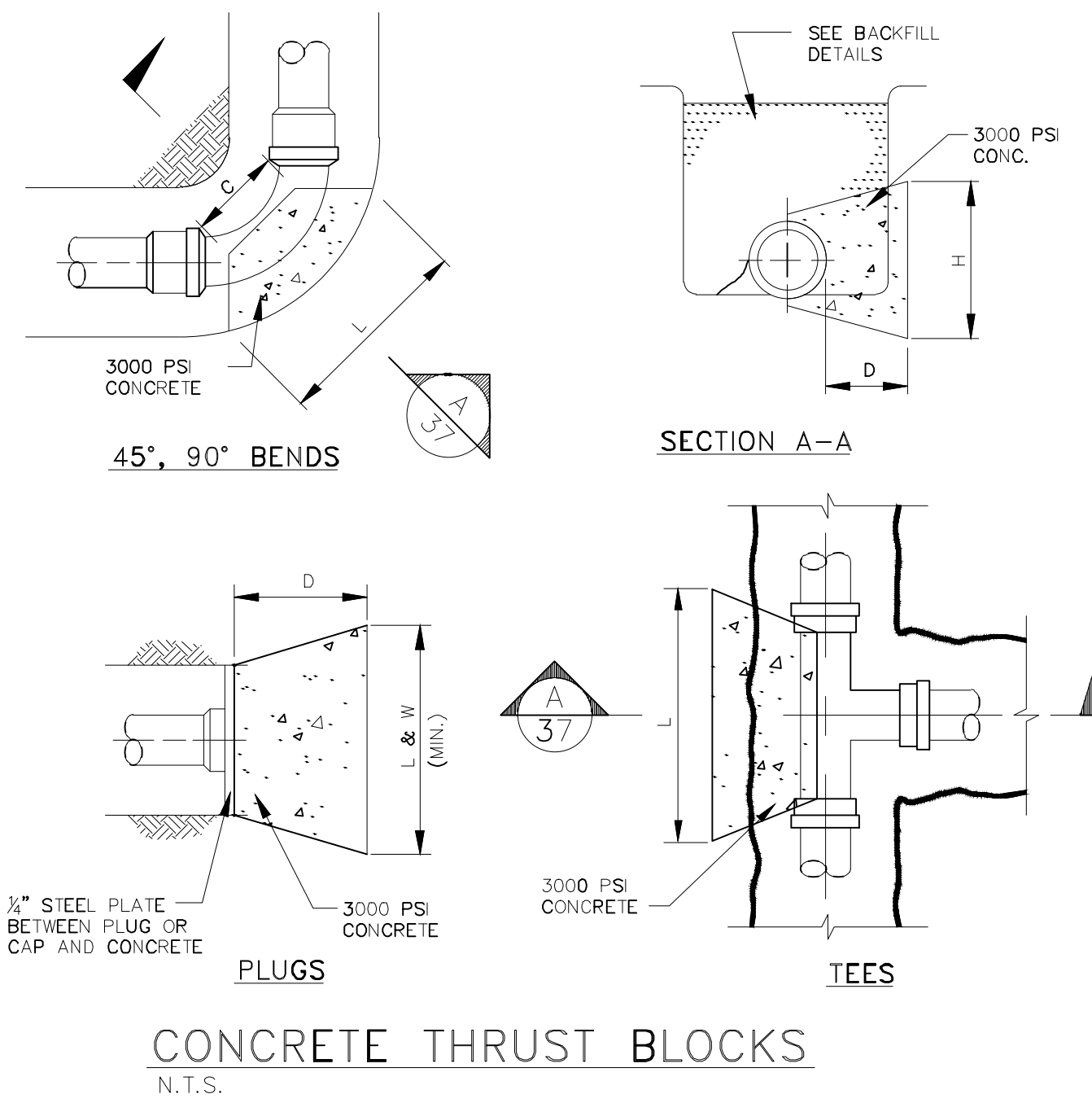
REVISIONS:	DATE:

SCALE: 1" = 20' DATE: 5-21-22

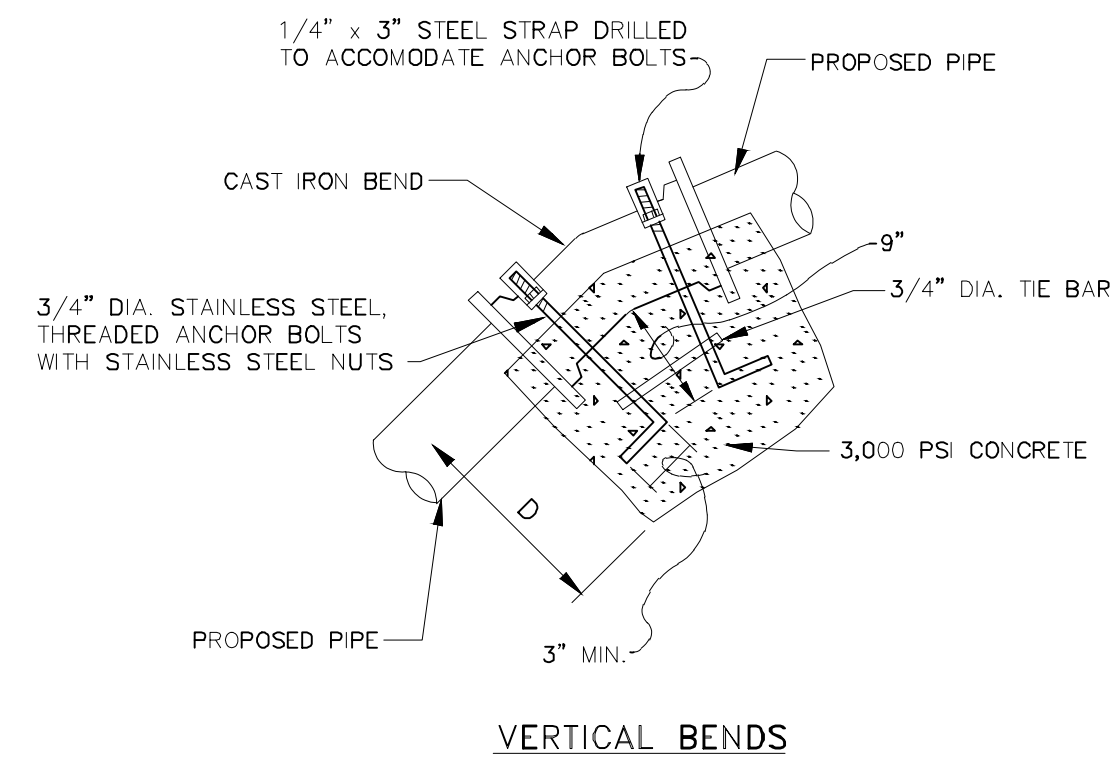
SHEET: WATER MAIN RELOCATION PROFILE W1.02

FIVESTAR#2000 BRANDENBURG

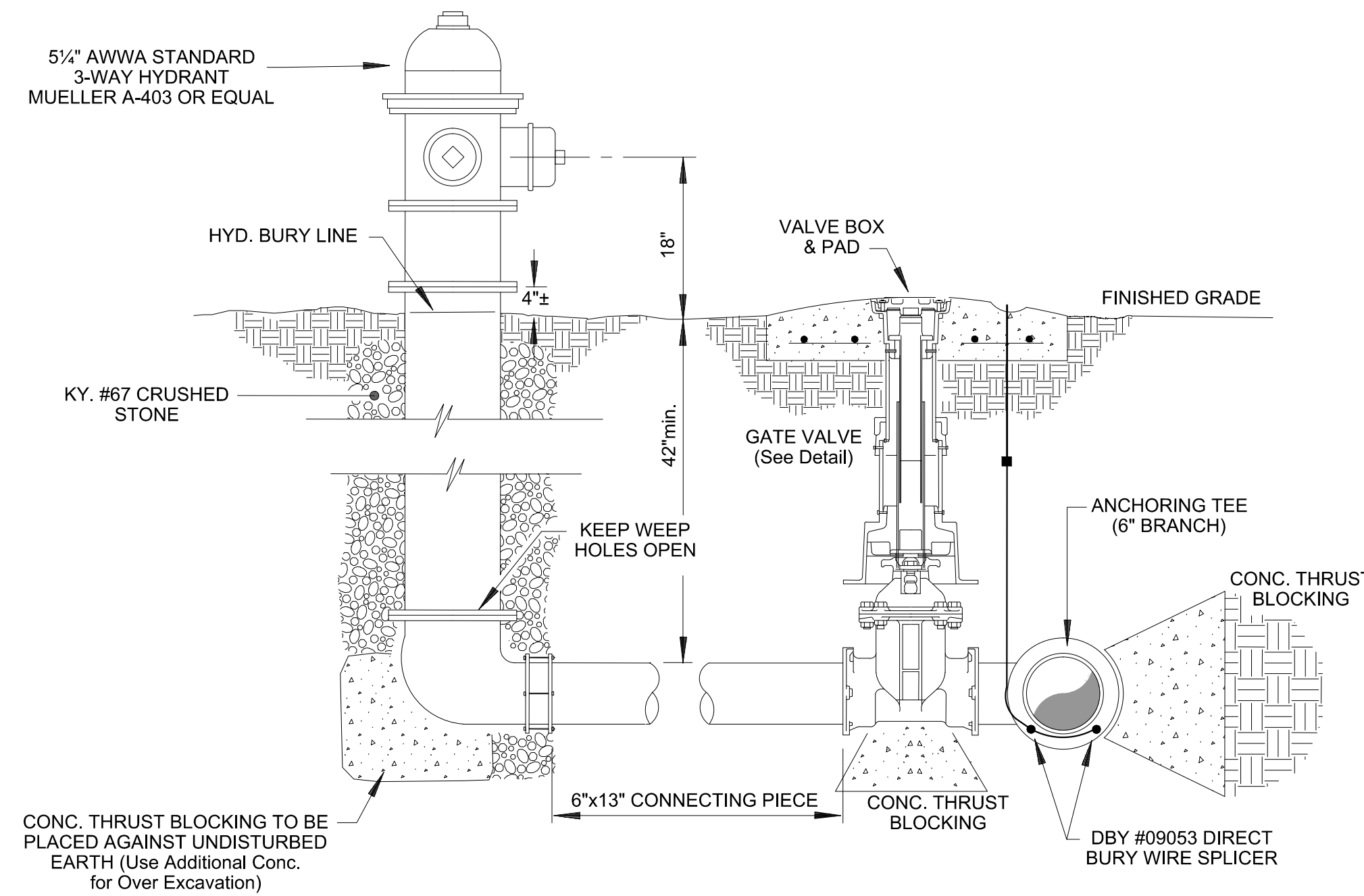
FIVESTAR#2000 BRANDENBURG



CONCRETE THRUST BLOCKS
N.T.S.



VERTICAL BENDS BLOCKING
N.T.S.



FIRE HYDRANT ASSEMBLY

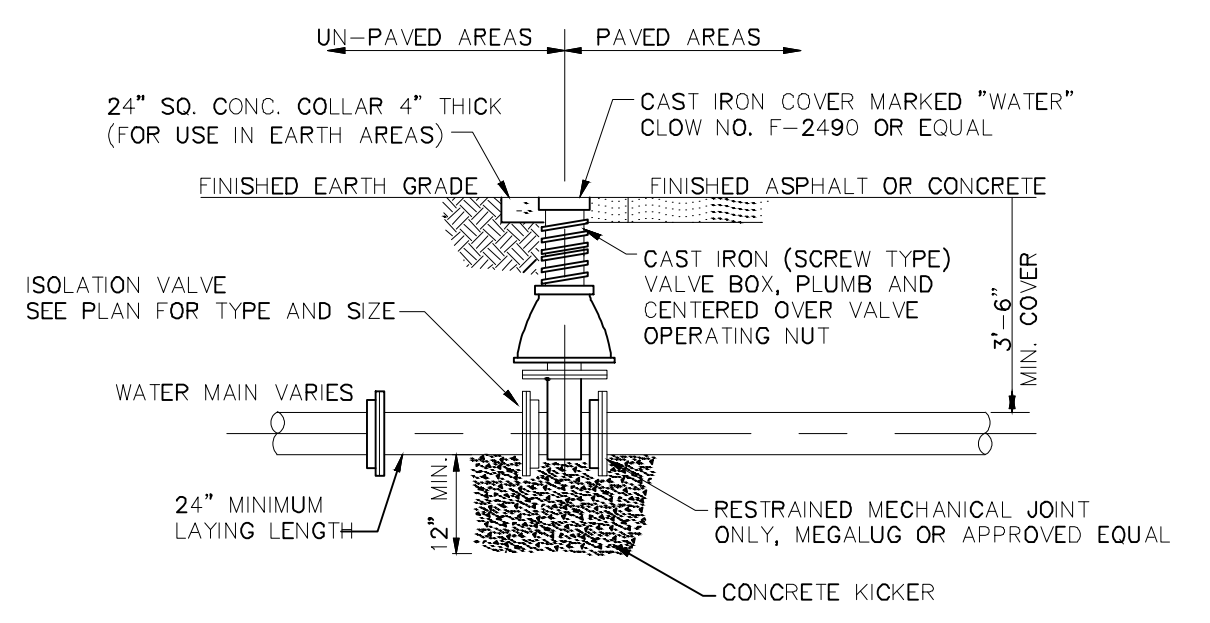
- NOTES:**
- THE UNIT PRICE ASSOCIATED WITH THE BID ITEM "FIRE HYDRANT ASSEMBLY" SHALL INCLUDE THE FIRE HYDRANT, CONNECTING PIECE, GATE VALVE AND BOX, & ANCHORING TEE WITH THRUST RESTRAINT GLANDS.
 - ALL CONCRETE SHALL BE CLASS "B"
 - CRUSHED STONE SHALL BE EXTENDED 6" ABOVE DRAIN OPENINGS IN HYDRANT BASE.
 - PUMPER NOZZLE TO FACE IN DIRECTION OF STREET UNLESS OTHERWISE SPECIFIED.

PLUGS						
SIZE	3"	4"	6"	8"	10"	12"
D	8"	10"	13"	18"	21"	25"
L & W	15"	19"	26"	35"	42"	50"
TEES						
SIZE	3"	4"	6"	8"	10"	12"
D	5"	5"	7"	11"	13"	16"
L	20"	22"	30"	40"	48"	56"
H	9"	12"	18"	24"	28"	34"
C (Max.)	11"	13"	16"	18"	22"	24"
90°-Elis (Quarter Bends)						
SIZE	3"	4"	6"	8"	10"	12"
D	8"	9"	14"	20"	24"	28"
L	27"	31"	44"	58"	70"	80"
H	12"	16"	22"	29"	36"	45"
C (Max.)	11"	13"	16"	18"	22"	24"
45°-Elis (Eighth Bends)						
SIZE	3"	4"	6"	8"	10"	12"
D	6"	7"	10"	15"	18"	21"
L	18"	21"	30"	40"	48"	56"
H	10"	12"	18"	24"	28"	34"
C (Max.)	6"	8"	10"	11"	13"	15"
22°-Elis (Sixteenth Bends)						
SIZE	3"	4"	6"	8"	10"	12"
D	5"	6"	7"	9"	11"	14"
L	15"	19"	24"	29"	35"	42"
H	8"	9"	10"	11"	13"	15"
C (Max.)	6"	8"	10"	11"	13"	15"
11°-Elis (Thirty-Second Bends)						
SIZE	3"	4"	6"	8"	10"	12"
D	3"	4"	5"	7"	9"	10"
L	12"	16"	20"	24"	30"	34"
H	6"	6"	7"	10"	12"	15"
C (Max.)	6"	8"	10"	11"	13"	15"
Crosses						
SIZE	3"	4"	6"	8"	10"	12"
D	18"	18"	18"	18"	22"	22"
L	18"	20"	23"	25"	29"	31"
Vertical Bends (45°-Elis or less)						
SIZE	3"	4"	6"	8"	10"	12"
D	18"	27"	33"	36"	42"	58"
Volume (Cu. Ft.)	16	23	48	82	124	175

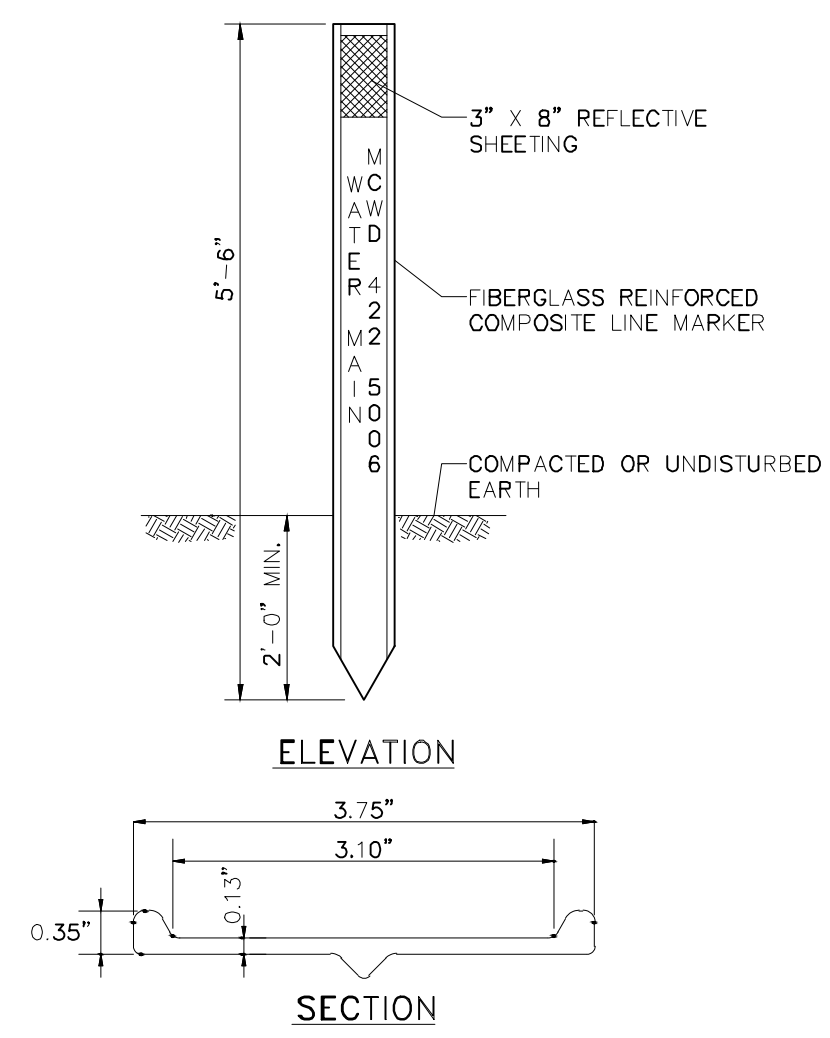
- NOTES:**
- TABLES ARE BASED ON A SOIL BEARING CAPACITY OF 2000 POUNDS/SQUARE FOOT (PSF)
 - IF SOIL BEARING CAPACITY IS LESS THAN 2000 PSF, OR PIPE IS LAID IN FILL, CONSULT ENGINEER.
 - ALL FIGURES ARE MINIMUM UNLESS OTHERWISE STATED.
 - BLOCKS MUST BE PLACED AGAINST UNDISTURBED EARTH.

THRUST BLOCK SCHEDULE

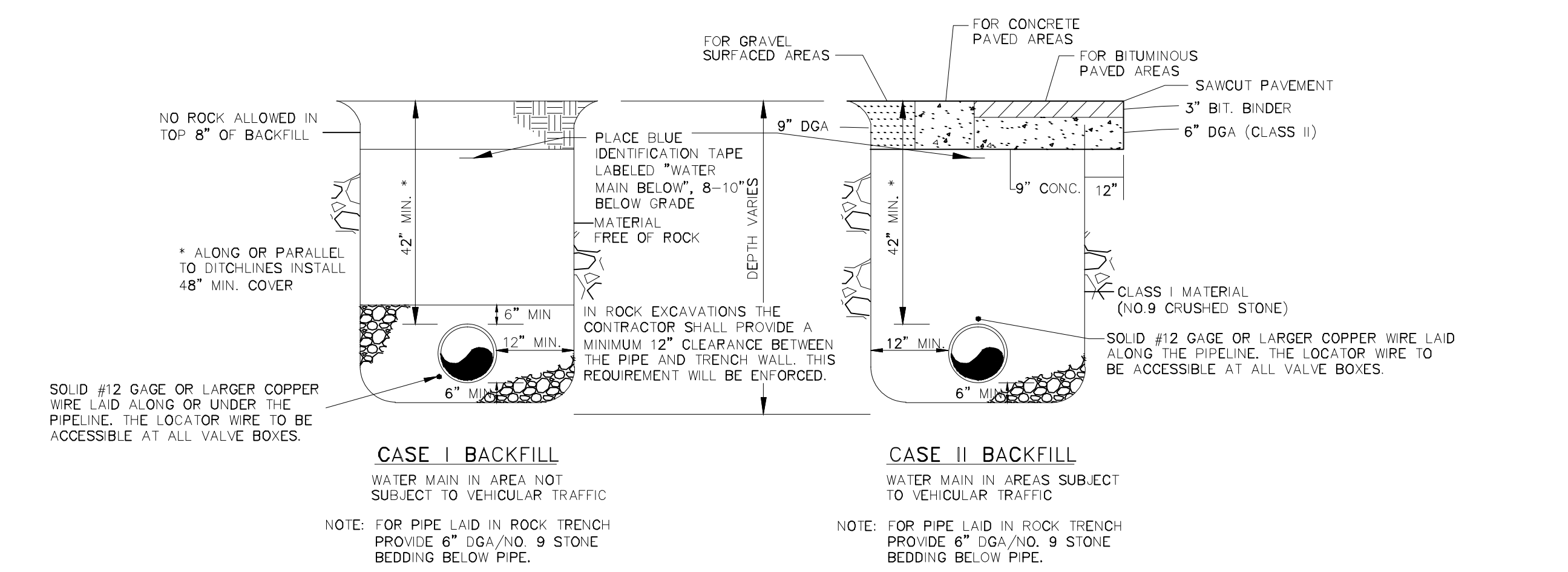
(FOR PRESSURE CLASS 250 PIPE)
SDR 17, DR 14



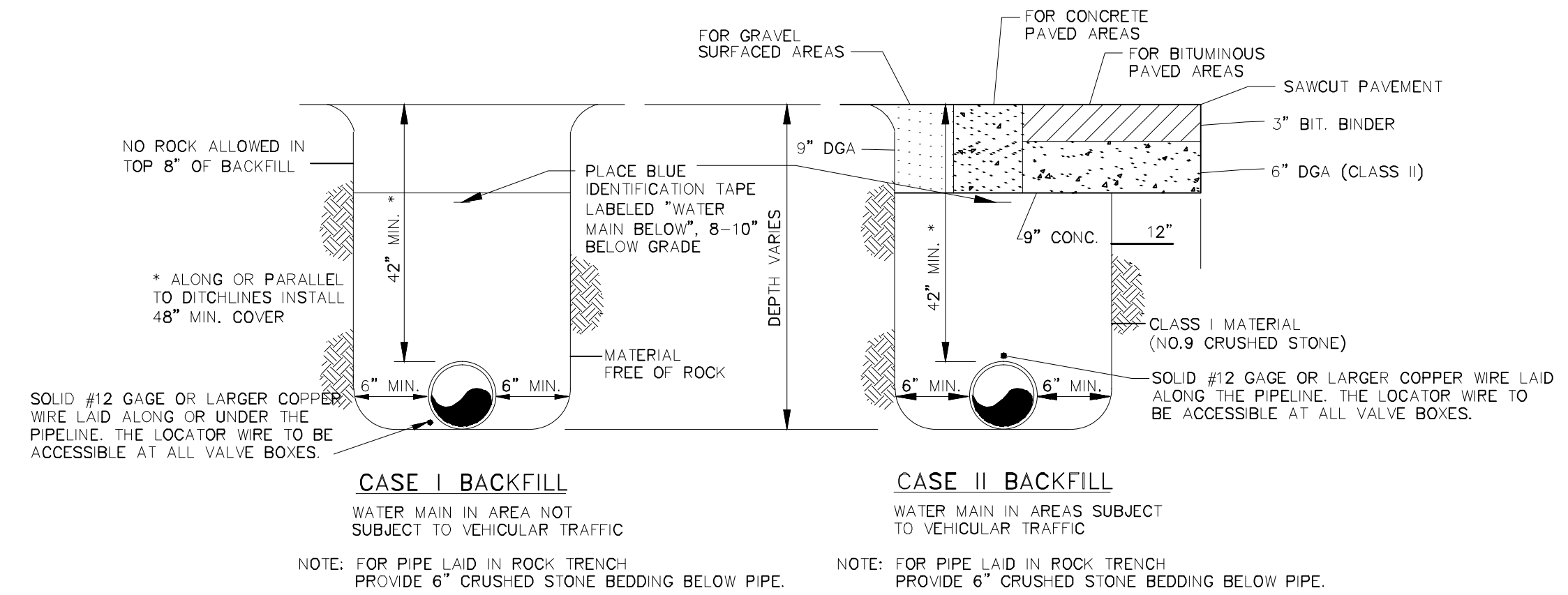
GATE VALVE INSTALLATION
N.T.S.



FIBERGLASS LINE MARKER
N.T.S.



WATER MAIN TRENCHING & BACKFILLING IN ROCK DETAILS
N.T.S.



WATER MAIN TRENCHING & BACKFILLING IN EARTH DETAILS
N.T.S.

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REVISIONS:	DATE:

DATE: 5-21-22

SHEET: **W2.01**

WATER MAIN DETAILS

FIVESTAR#2000 BRANDENBURG

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