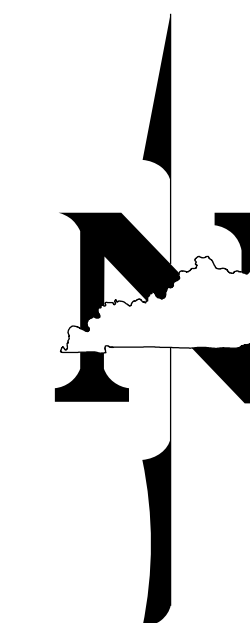


COUNTY OF	PROJECT NO.	SHEET NO.
ALLEN	23-3243-L	1

ACS ENTRANCE ROAD WIDENING FOR ALLEN COUNTY SCHOOLS

THESE PLANS ARE FOR GRADE, DRAIN, & SURFACING



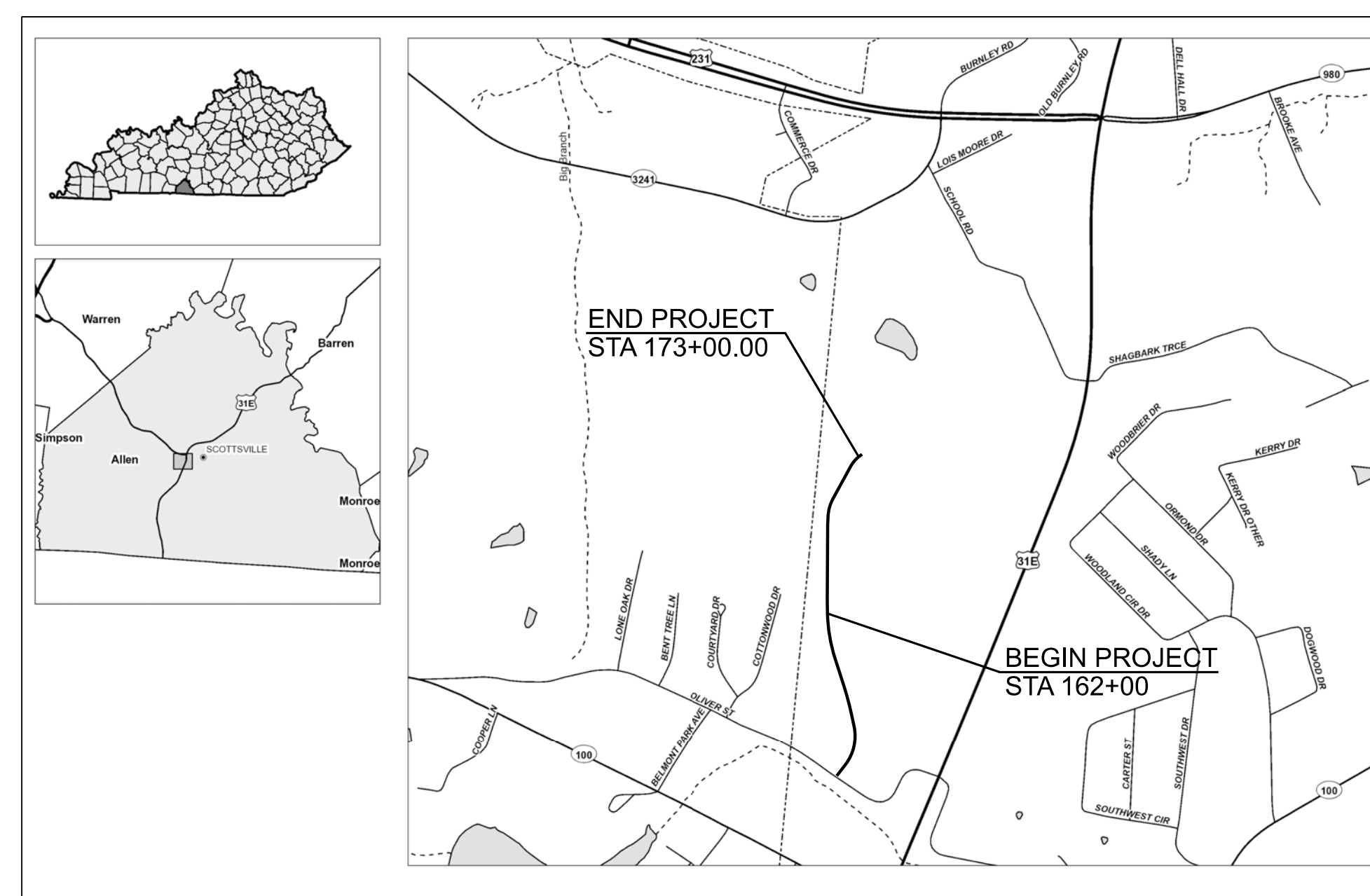
INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	LAYOUT SHEET
2	TYPICAL SECTIONS
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3-5	GRADING PLAN SHEETS
6	SOCCER PARKING LOT GRADING SHEET
7-9	SIGNING & STRIPING
10	MAINTENANCE OF TRAFFIC NOTE SHEET
11-12	DETAIL SHEETS
13	EROSION CONTROL NOTE SHEET
14	PIPE DRAINAGE SHEET

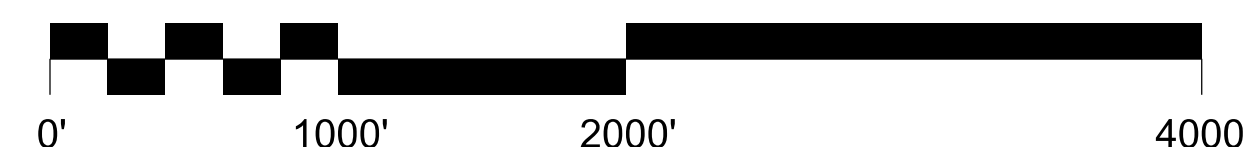
SHEETS NOT INCLUDED IN TOTAL SHEETS
R2A

KYTC STANDARD DRAWINGS

NUMBER	DESCRIPTION
RDH-030-03	SEPIA 22 - TURF MAT SLOPE INSTALL
RDI-001-10	SEPIA 23 - TURF MAT CHANNEL INSTALL
RDI-020-10	SEPIA 25 - SILT TRAP TYPE C
RDI-025-06	
RDX-080-04	
RDX-210-03	
RDX-225-01	
RGX-010-04	



LAYOUT MAP



**PRELIMINARY
SUBJECT TO CHANGE**

THESE PLANS INCLUDE 1100' OF ROAD WIDENING (STA 162+00 TO 173+00) AND OVERLAY AND A GRAVEL PARKING LOT.



ARNOLD CONSULTING
ENGINEERING SERVICES, INC.
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PHONE (270) 780-9445

UTILITY COMPANIES/ GOVERNMENT OFFICIALS

ALLEN COUNTY SCHOOLS:
SUPERINTENDENT
570 OLIVER ST.
SCOTTSVILLE, KY 42164
CONTACT: TRAVIS HAMBY
TELEPHONE: (270) 618-3181

PLANNING COMMISSION:
CITY-COUNTY PLANNING COMMISSION
201 W MAIN ST
SCOTTSVILLE, KY 42164
CONTACT: SHELLY KING
TELEPHONE: (270) 237-4180

WATER:
ALLEN COUNTY WATER DISTRICT
330 NEW GALLATIN ROAD
SCOTTSVILLE, KY 42164
CONTACT: MATT CURTIS
TELEPHONE: (502) 370-6551

ELECTRIC:
TRI-COUNTY ELECTRIC
620 VETERANS MEMORIAL HIGHWAY
SCOTTSVILLE, KY 42164
CONTACT: GREG WEST
TELEPHONE: (270) 237-4418

TELECOMMUNICATIONS:
NORTH CENTRAL TELEPHONE
1630 BOWLING GREEN ROAD
SCOTTSVILLE, KY 42164
CONTACT: TROY DAVIS
TELEPHONE: (270) 622-7500

GEOGRAPHIC COORDINATES

LATITUDE 36 DEGREES 44 MINUTES 52 SECONDS NORTH
LONGITUDE 86 DEGREES 13 MINUTES 14 SECONDS WEST

FILE NAME: Z:\SITE\DEVELOPMENT\2023 PROJECTS\ALLEN COUNTY SCOTTSVILLE SCHOOLS\SITE\DEVSHEETS\LAYOUT.DGN

USER: ACESchw3
DATE PLOTTED: September 7, 2025

OpenRoads Designer v10.12.02.4

TYPICAL SECTION

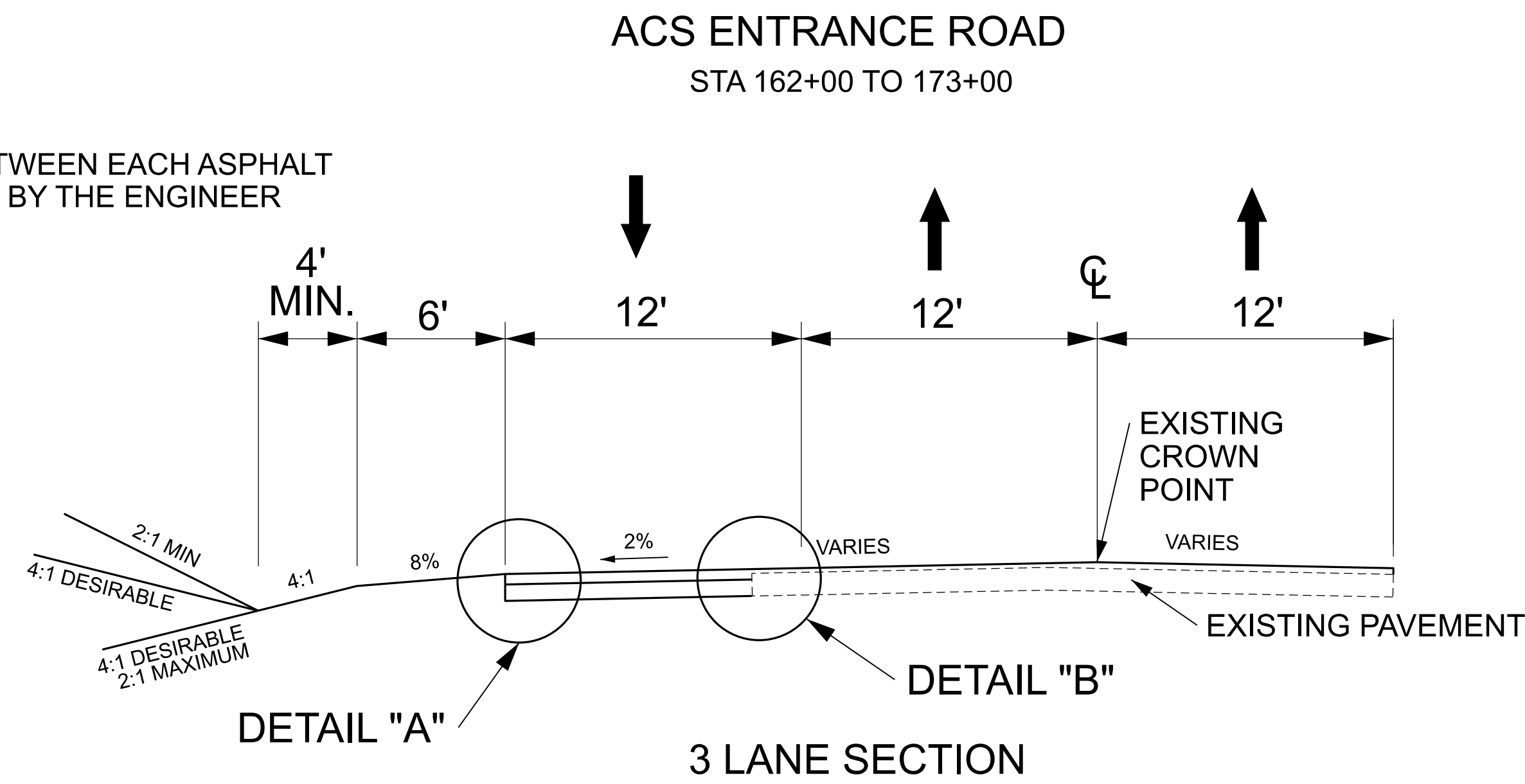
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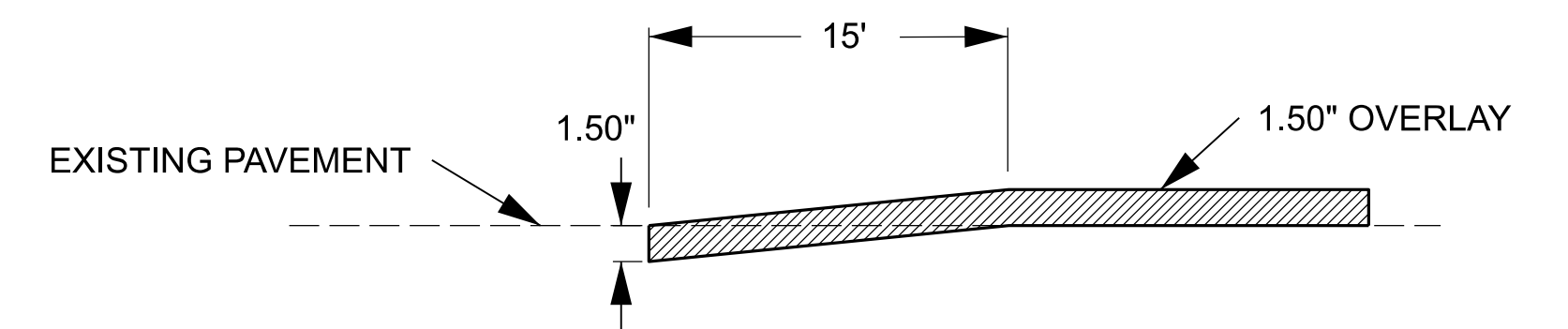
COUNTY OF	PROJECT NO.	SHEET NO.
ALLEN	23-3243-L	2
CLIENT & PROJECT		
ALLEN COUNTY SCHOOLS		

FILE NAME: Z:\SITEDEVELOPMENT\2023 PROJECTS\ALLEN COUNTY SCOTTSVILLE SCHOOLS\SITE\DEVELOPMENT\TYPICAL SECTIONS.DGN
USER: ACESchw3
DATE PLOTTED: September 7, 2005
OpenRoads Designer v10.12.02.4

NOTE: TACK COAT TO BE APPLIED BETWEEN EACH ASPHALT PAVEMENT COURSE AS DIRECTED BY THE ENGINEER

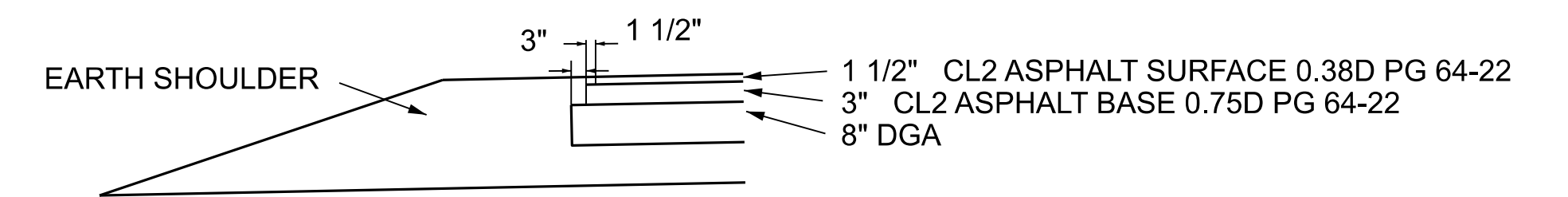


EDGE KEY DETAIL



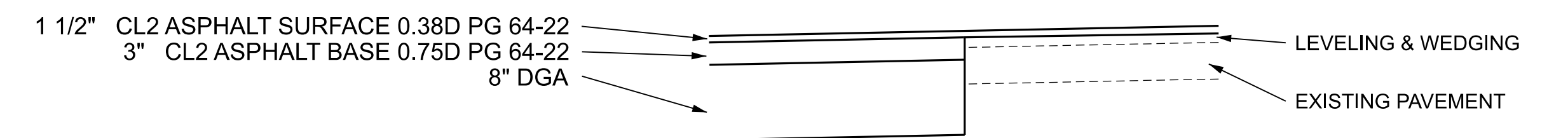
WORK UNDER THIS ITEM SHALL INCLUDE CUTTING OUT THE EXISTING ASPHALT SURFACE TO A MINIMUM DEPTH AND WIDTH AS SHOWN, SO THE NEW SURFACE MAY HEEL INTO THE EXISTING SURFACE. THE CONTRACT UNIT PRICE BID PER LINEAR FOOT FOR "EDGE KEY" SHALL INCLUDE ALL NECESSARY MATERIALS, LABOR, EQUIPMENT, ETC. TO PERFORM THE WORK AND DISPOSE OF THE ASPHALT MATERIAL REMOVED.

DETAIL "A"



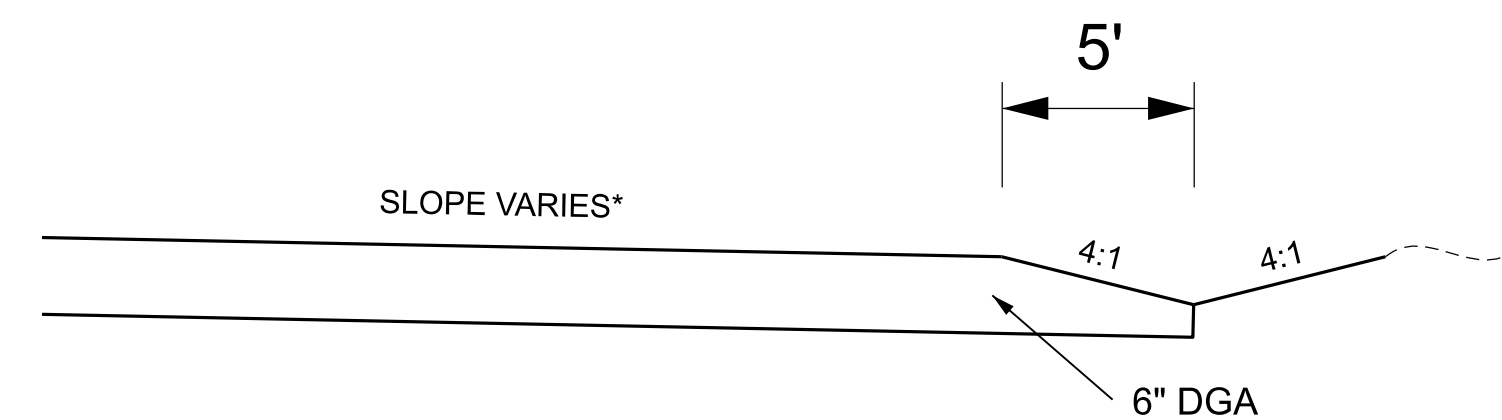
NOTE: ASPHALT MATERIAL FOR TACK AT APPLICATION RATE 0.84 lbs/sq yds

DETAIL "B"



SOCCER PARKING LOT

NOTE: *SEE SHEET 6 FOR PARKING LOT GRADING INFORMATION.



SCALE: 1"=N/A

TYPICAL SECTION

GENERAL NOTE SHEET

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COUNTY OF	PROJECT NO.	SHEET NO.
ALLEN	23-3243-L	2A
CLIENT & PROJECT		
ALLEN COUNTY SCHOOLS		

GRADING AND DRAINAGE NOTES:

- CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR IN RIGHT-OF-WAY PRIOR TO EXCAVATION. CONTRACTOR SHALL NOTIFY BUD AT 1-800-752-6007 48 HOURS PRIOR TO EXCAVATION.
- SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
- SITE GRADES AROUND THE PAVEMENT AREAS SHALL BE GRADED DURING CONSTRUCTION TO PREVENT PONDING. ANY SURFACE WATER ACCUMULATION IN THE PAVEMENT AREAS SHALL BE DRAINED IMMEDIATELY TO AVOID SATURATION OF THE SUBGRADE SOILS.
- ALL EXCAVATIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST OSHA GUIDELINES AS MANDATED IN CURRENT FEDERAL, STATE AND LOCAL REGULATIONS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE IN PROVIDING SAFE WORKING CONDITIONS IN CONNECTION WITH ANY EXCAVATION WORK.
- ENGINEERED FILL SHALL BE COMPACTED TO 98% OF STANDARD PROCTOR DENSITY IN BUILDING PAD AREAS (PROPOSED AND FUTURE EXPANSION) AND TO 95% IN PARKING AND DRIVE AREAS. VEGETATED AREAS SHOULD BE COMPACTED TO A MINIMUM OF 92% OF STANDARD PROCTOR DENSITY.
- STONE BASES SHOULD BE COMPACTED TO A DENSITY SATISFACTORY TO ENGINEER, TYPICALLY 84% OF SOLID VOLUME OR BY TEST STRIP METHODS.
- GRADE LINES SHOWN ARE FINISHED GRADE. CONTRACTOR SHOULD SEE DETAIL SHEET FOR APPROPRIATE PAVEMENT TYPE TO DETERMINE SUB-GRADE ELEVATIONS FOR PAVING AREAS.
- ALL MATERIALS AND CONSTRUCTION ON THIS PROJECT SHALL CONFORM TO THE 2019 EDITION OF THE KYTC STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

- THE SITE SHALL BE CLEARED AND GRUBBED WITHIN THE LIMITS OF EXCAVATION. COMPLETELY DISPOSE OF ALL MATERIALS RESULTING FROM CLEARING AND GRUBBING OFF-SITE. BURNING SHALL NOT BE PERMITTED IN THE PROJECT AREA.
- AREAS THAT EXHIBIT WEAK SOIL OR OTHERWISE UNSUITABLE CONDITIONS SHALL BE UNDERCUT TO A FIRM LEVEL OF SOIL FOLLOWED BY BACKFILLING THE UNDERCUT AREAS USING AN ENGINEERED FILL OR APPROVED STONE.
- FILL SHALL BE SATISFACTORY MATERIAL FREE FROM ROOTS AND OTHER ORGANIC MATERIAL, FROZEN MATERIAL, AND TRASH. FILL MATERIAL SHALL ALSO BE FREE OF STONES LARGER THAN 6 INCHES IN DIAMETER.
- UNSATISFACTORY SOILS INCLUDE MATERIALS THAT ARE TOO WET OR TOO SOFT, EXPANSIVE SOILS (PLASTICITY INDEX GREATER THAN OR EQUAL TO 30), AND SOILS CLASSIFIED AS PT, OH, AND OL.
- DO NOT ALLOW WATER TO ACCUMULATE IN EXCAVATIONS OR POND ON-SITE. PROVIDE NECESSARY MEASURES TO KEEP THE SITE FREE-DRAINING.
- TRENCH DESIGN AND SAFETY FOR PIPELINE CONSTRUCTION IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONFORM TO ALL LOCAL, STATE, AND OSHA REQUIREMENTS.
- THE CONTRACTOR SHALL SHAPE DITCHES TO THE SPECIFIED DESIGN AS SHOWN IN THE PLANS. THIS WORK WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT WILL BE CONSIDERED A PORTION OF THE EXCAVATION COST.

EROSION AND SEDIMENT CONTROL NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FILING THE KENTUCKY POLLUTION DISCHARGE ELIMINATION SYSTEM (KPDES) KYR 10 PERMIT NOTICE OF INTENT (NOI) WITH THE KENTUCKY DIVISION OF WATER (DOW) AND ANY KPDES LOCAL MUNICIPAL SEPARATE STORM WATER SYSTEM (MS4) PROGRAM THAT HAS JURISDICTION. THE NOI SHALL NAME THE CONTRACTOR AS THE FACILITY OPERATOR.
- THE CONTRACTOR SHALL PERFORM ALL TEMPORARY EROSION/SEDIMENT CONTROL FUNCTIONS INCLUDING: PROVIDING A BEST MANAGEMENT PRACTICE (BMP) PLAN, CONDUCTING REQUIRED INSPECTIONS, MODIFYING THE BMP PLAN DOCUMENTS AS CONSTRUCTION PROGRESSES AND DOCUMENTING THE INSTALLATION AND MAINTENANCE OF BMP IN CONFORMANCE WITH THE KPDES KYR 10 PERMIT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR APPLYING GOOD ENGINEERING PRACTICES AS REQUIRED BY THE KPDES PERMIT. THE CONTRACTOR MAY USE ANY TEMPORARY BMP'S WITH THE APPROVAL OF THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE THE ENGINEER COPIES OF ALL DOCUMENTS REQUIRED BY THE KPDES PERMIT THE TIME THEY ARE PREPARED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXAMINATION OF THE SOILS ENCOUNTERED AND MAKE HIS OWN INDEPENDENT DETERMINATION OF THE TEMPORARY BMP'S THAT WILL BE REQUIRED TO ACCOMPLISH EFFECTIVE EROSION PREVENTION AND SEDIMENT CONTROL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FILING THE KPDES PERMIT NOTICE OF TERMINATION (NOT) WITH THE KENTUCKY DIVISION OF WATER AND ANY LOCAL MS4 PROGRAM THAT HAS JURISDICTION. THE NOT SHALL BE FILED AFTER THE ENGINEER AGREES THAT THE PROJECT IS STABILIZED OR THE PROJECT HAS BEEN FORMALLY ACCEPTED.

SPECIAL NOTES

- ANY REFERENCES TO QUANTITIES ON ALL SHEETS IN THESE PLANS ARE FOR INFORMATIONAL PURPOSES ONLY. THE BIDDER IS RESPONSIBLE FOR DETERMINING THE ACTUAL QUANTITIES BID.
- IN ACCORDANCE WITH SECTION 204 OF THE 2019 STD. SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ALL ROADWAY AND DRAINAGE EXCAVATION IS UNCLASSIFIED. ANY REFERENCES TO ROCK, EARTH OR ANY OTHER MATERIAL IS FOR INFORMATION ONLY AND IS NOT AN INDICATION OF CLASSIFIED EXCAVATION. THE BIDDER MUST DRAW HIS OR HER OWN CONCLUSIONS AS TO THE CONDITIONS ENCOUNTERED.
- ALL MATERIALS USED AND WORK DONE ON THIS PROJECT SHALL CONFORM TO THE 2019 EDITION OF THE KENTUCKY STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND KYTC STD. DRAWINGS CURRENT EDITION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WRITTEN PERMISSION FROM ALL ADJOINING PROPERTY OWNERS BEFORE WORKING OFF THE RIGHT OF WAY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL ADJOINING PROPERTY OWNERS BEFORE STARTING WORK ON THIS PROJECT TO MAKE THEM AWARE OF THE PROPOSED CONSTRUCTION WHETHER IT BE ON OR OFF OF EXISTING RIGHT OF WAY.
- ALL EXCAVATIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST OSHA GUIDELINES AS MANDATED IN CURRENT FEDERAL, STATE AND LOCAL REGULATIONS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE IN PROVIDING SAFE WORKING CONDITIONS IN CONNECTION WITH ANY EXCAVATION WORK.
- ASPHALT QUANTITIES ARE DETERMINED BASED ON WEIGHT OF 110 POUNDS PER INCH THICKNESS PER SQUARE YARD. CRUSHED STONE QUANTITIES ARE DETERMINED BASED ON WEIGHT OF 115 POUNDS PER INCH THICKNESS PER SQUARE YARD. THE CONTRACTOR MUST SUBMIT WEIGH SHEETS OR TICKETS TO VERIFY QUANTITIES PRIOR TO PAYMENT.
- ALL WORK WILL BE SUBJECT TO INSPECTION BY ALLEN COUNTY SCHOOLS OR ITS AGENT.
- ANY CONTRACTOR / SUBCONTRACTOR WORKING ON THIS PROJECT MUST BE LICENSED IN SCOTTSVILLE - ALLEN COUNTY, KENTUCKY AND BE PRE QUALIFIED WITH THE KENTUCKY TRANSPORTATION CABINET.
- GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED. COSTS FOR EROSION CONTROL SHOULD BE INCLUDED IN THE RESPECTIVE BID ITEMS.
- PRIOR TO COMMENCING ANY WORK, THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES WITH UNDERGROUND UTILITIES ON SITE OR IN THE RIGHT OF WAY. CONTRACTOR SHALL NOTIFY 811 A MINIMUM OF 48 HOURS PRIOR TO EXCAVATION. THE UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND FOR INFORMATIONAL PURPOSES ONLY.
- IN ORDER TO PROTECT THE OWNERS INVESTMENT IN THIS PROJECT AND TO ASSURE THAT ALL PUBLIC IMPROVEMENTS (STREETS, WATER, SANITARY SEWER AND STORM SEWER) HAVE BEEN STAKED/CONSTRUCTED TO A TOLERANCE OF 0.05' HORIZONTAL AND 0.03' VERTICAL - ALL STAKING SHALL BE COMPLETED BY A PROFESSIONAL LAND SURVEYOR THAT HAS BEEN APPROVED BY THE DESIGN ENGINEER.
- NOTHING IN THE GENERAL NOTES SHALL RELIEVE THE CONTRACTOR FROM THEIR RESPONSIBILITIES TOWARD THE SAFETY AND CONVENIENCE OF THE GENERAL PUBLIC AND THE RESIDENTS AND BUSINESS OWNERS ALONG THE PROPOSED CONSTRUCTION AREA.
- THE CONTRACTOR SHALL PAY SPECIAL ATTENTION TO PROVIDING PEDESTRIAN SAFETY DURING THE DURATION OF THE PROJECT. APPROPRIATE MEASURES SUCH AS BARRICADES AND FENCING SHALL BE PROVIDED IN TO PROTECT PEDESTRIANS FROM OPEN EXCAVATIONS DURING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR JOBSITE SAFETY AND EFFICIENCY OF THE PROJECT. THE CONTRACTOR SHALL PROVIDE EQUIPMENT AND CONSTRUCTION METHODS AND PROCEDURES WHICH ENSURE A SAFE WORKPLACE.
- THE CONTRACTOR SHALL KEEP CONSTRUCTION WASTE AND RUBBISH GENERATED BY CONSTRUCTION ACTIVITIES MINIMIZED AND WITHIN THE LIMITS OF CONSTRUCTION. ALL CONSTRUCTION WASTE SHALL BE REMOVED DAILY FROM THE JOBSITE.
- ALL CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH THE 2019 EDITION OF THE KYTC STANDARDS AND SPECIFICATIONS.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL REQUIRED CONSTRUCTION TESTING AND INSPECTION COORDINATION AND FEES.
- THE LOCATION OF UNDERGROUND UTILITIES ARE BASED ON MARKINGS AND INFORMATION PROVIDED BY THE RESPECTIVE UTILITY AND SHOULD BE CONSIDERED APPROXIMATE. PRIOR TO BEGINNING WORK THE EXACT LOCATION OF UNDERGROUND UTILITIES SHOULD BE DETERMINED AND CHECKED FOR CONFLICTS WITH ANY PROPOSED CONSTRUCTION. THE CONTRACTOR SHOULD CONTACT KY 811 (BUD) AT 811 OR *1-800-752-6007* A MINIMUM OF 48 HOURS PRIOR TO BEGINNING EXCAVATION.

PAVEMENT PLACEMENT AND REPLACEMENT NOTES

- ALL MATERIALS AND PLACEMENT METHODS UTILIZED FOR ASPHALT PAVEMENT AND CONCRETE ON THE PROJECT SHALL ADHERE TO KENTUCKY TRANSPORTATION CABINET STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION AND TO THE THICKNESS SHOWN ON THE PLANS.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR ADJUSTING ALL EXISTING MANHOLES AND UTILITY VALVES IN THE PROJECT AREAS TO THE PROPOSED FINAL ELEVATIONS.
- PROPER COMPACTION OF THE ASPHALT PAVEMENT WILL BE CRITICAL AT THE PAVEMENT/CURB AND GUTTER JOINT. ENSURE THAT SUFFICIENT MATERIAL IS PLACED IN THIS LOCATION TO ALLOW FOR PROPER COMPACTION AT THE JOINT.
- ALL PAVING OPERATIONS ON THE MAINLINE SHALL BE PERFORMED IN THE DIRECTION OF THE CENTERLINE. PAVING TRANSVERSE TO THE MAINLINE IS PROHIBITED.
- THE FINAL SURFACE ELEVATION TOLERANCES OF THE ASPHALT PAVEMENT AND THE CONCRETE CURB AND GUTTER SHALL ADHERE TO THE REQUIREMENTS SPECIFIED IN THE KENTUCKY TRANSPORTATION CABINET STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

SPECIAL NOTE FOR BASE FAILURE REPAIR

Repair locations listed on the summary are approximate only. The Engineer will determine actual repair locations and dimensions at the time of construction. Prior to overall milling and/or leveling and wedging, excavate the designated base failure areas to a depth 12.5 inches below the existing asphalt pavement surface level. Dispose of the excavated materials at waste sites off the Right-of-Way obtained by the Contractor at no additional cost to the Department. See Special Note for Waste and Borrow.

Backfill the excavated areas with Class 2 Asphalt Base 0.75D PG 64-22. Compact the asphalt base to the compaction required in Section 403.03.10. Seal the asphalt base with leveling and wedging. Perform all base failure repairs in such a manner that removal and replacement are completed on the same day. Do this work as one of the Contractor's first operations in order to allow further compaction by traffic. Do not mill or place new asphalt surface over repaired base failure areas until a minimum of 7 calendar days have elapsed after placement of the asphalt base. After a minimum of 7 calendar days and when the Engineer determines the base failure repair areas have sufficiently stabilized, begin milling and/or resurfacing operations. Prior to milling and/or constructing the new asphalt surface, level and wedge any settlement of the repair areas. Backfilled areas are to match proposed typical section of new pavement.

The bidder must draw conclusions as to the conditions encountered. The Department does not give any guarantee as to the accuracy of the data and will not consider any claim for additional compensation if the materials encountered that are not in accord with the classification shown.

Accept payment at the Contract unit prices per square yard for Base Failure repair and per ton for Leveling and Wedging as full compensation for all labor, materials, equipment, and incidentals for removing pavement and disposing of the materials, furnishing and placing asphalt base, leveling and wedging, and all other items necessary to complete the work according to these notes to the satisfaction of the Engineer.

1-3606basefailurerepairmillingpaybysy
01/02/2012

USE OF EXPLOSIVES

BLASTING IS PROHIBITED ON THIS PROJECT

SCALE: 1"=N/A

GENERAL NOTE SHEET

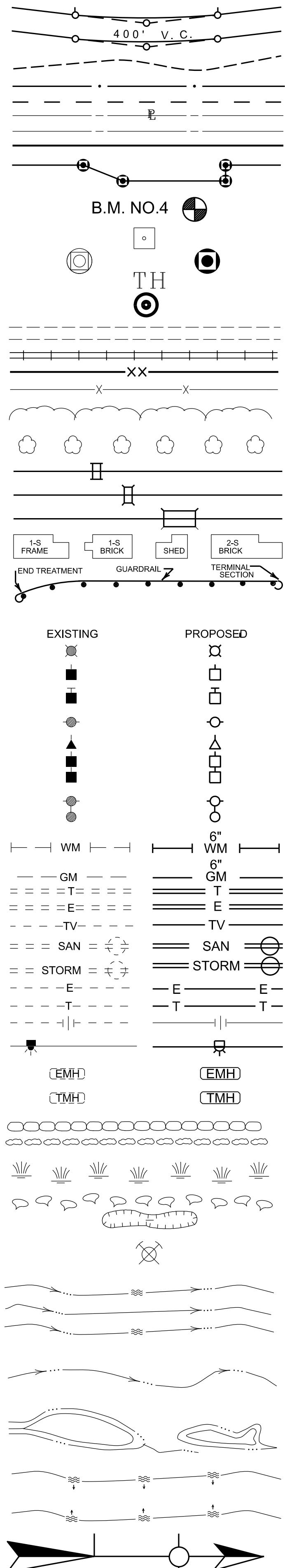
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USER: ACESchwB
DATE PLOTTED: September 7, 2005

OpenRoads Designer v10.12.02.4

CONVENTIONAL SIGNS

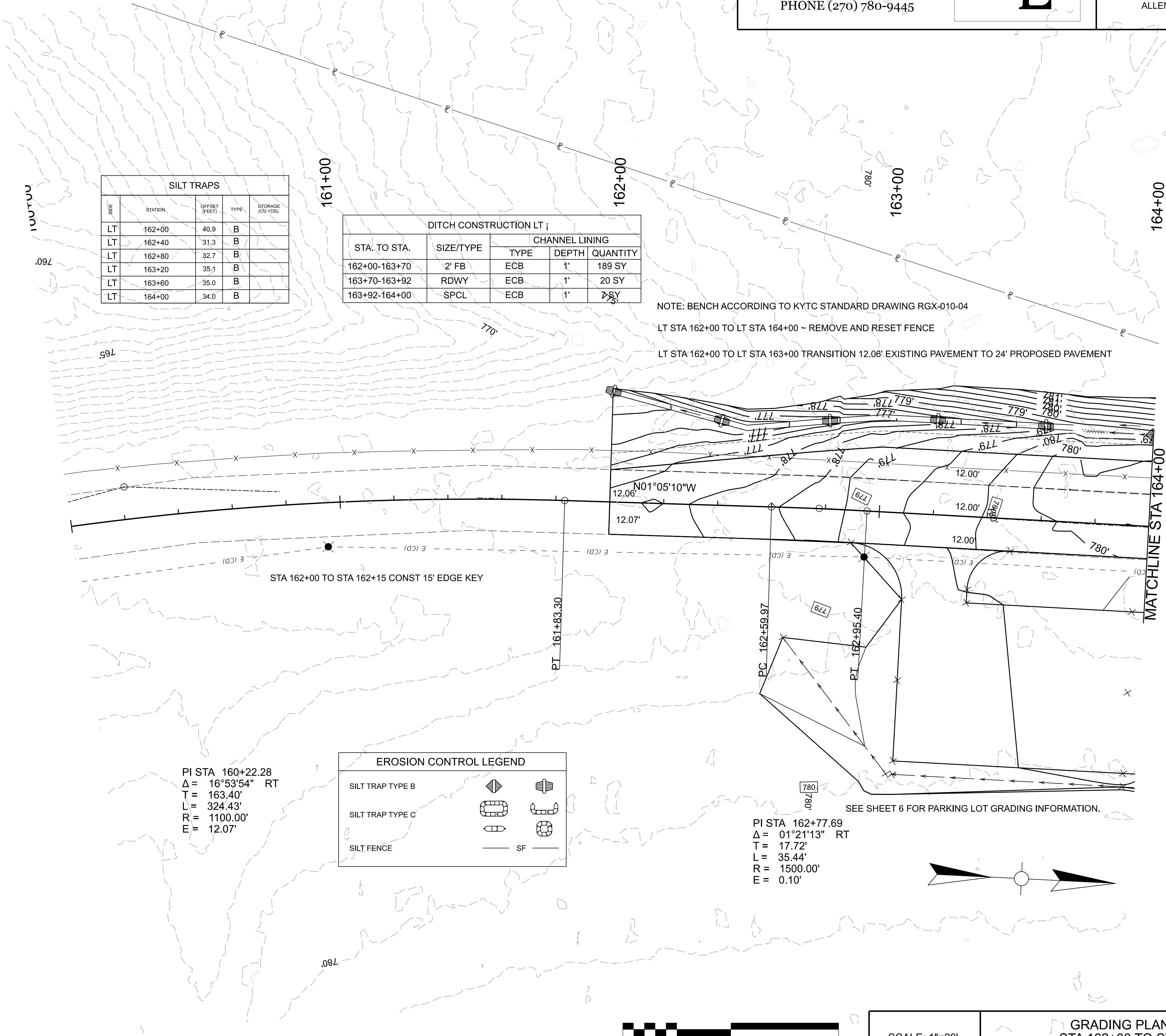
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- GRADE LINE
- GROUND LINE
- COUNTY LINE
- CORPORATE LIMITS
- EXIST. PROPERTY LINE
- EXIST. RIGHT OF WAY & PROPERTY LINE
- PROPOSED RIGHT OF WAY
- RIGHT OF WAY MONUMENT
- BENCH MARK
- EXISTING R/W MARKER
- RIGHT OF WAY MONUMENT
- EXISTING/PROPOSED
- UTILITY TEST HOLE
- EXISTING ROAD
- RAILROAD
- FENCE (CONTROLLED ACCESS)
- FENCE (EXCEPT STONE AND HEDGE)
- TREE LINE
- TREES
- PIPE CULVERT
- CULVERT
- BRIDGE
- BUILDINGS
- GUARDRAIL
- LIGHTING POLE
- POWER POLE
- JOINT POWER & TELEPHONE POLE
- TELEPHONE & TELEGRAPH POLE
- ANCHOR, POWER OR TELEPHONE
- STUB POWER
- STUB TELEPHONE
- WATER MAIN
- GAS MAIN
- TELEPHONE DUCT
- ELECTRIC DUCT
- DIRECT BURIAL TV CABLE
- SANITARY SEWER (WITH MANHOLE)
- STORM SEWER (WITH MANHOLE)
- DIRECT BURIAL ELECTRIC CABLE
- DIRECT BURIAL TELEPHONE CABLE
- OVERHEAD WIRE
- TRAFFIC LIGHTS
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- STONE FENCE
- HEDGE FENCE
- SWAMP OR MARSH
- SPRINGS
- SINKHOLE
- QUARRY SITE
- BLUE LINE STREAM
- INTERMITTENT STREAM OR DITCH
- LAKES OR PONDS
- REGULATED FLOODWAY
- NORTH POINT



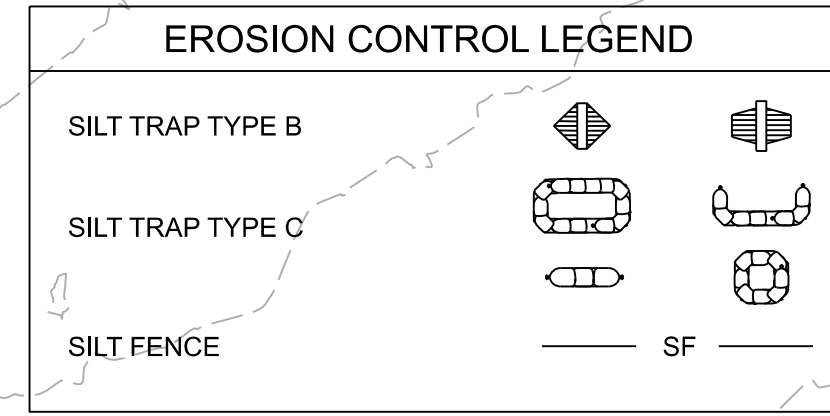
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LT	162+00	40.9	B	
LT	162+40	31.3	B	
LT	162+80	32.7	B	
LT	163+20	35.1	B	
LT	163+60	35.0	B	
LT	164+00	34.0	B	

STA. TO STA.	SIZE/TYPE	CHANNEL LINING		
		TYPE	DEPTH	QUANTITY
162+00-163+70	2' FB	ECB	1'	189 SY
163+70-163+92	RDWY	ECB	1'	20 SY
163+92-164+00	SPCL	ECB	1'	7 SY

NOTE: BENCH ACCORDING TO KYTC STANDARD DRAWING RGX-010-04
LT STA 162+00 TO LT STA 164+00 - REMOVE AND RESET FENCE
LT STA 162+00 TO LT STA 163+00 TRANSITION 12.06' EXISTING PAVEMENT TO 24' PROPOSED PAVEMENT



PI STA 160+22.28
 $\Delta = 16^\circ 53' 54''$ RT
T = 163.40'
L = 324.43'
R = 1100.00'
E = 12.07'



PI STA 162+77.69
 $\Delta = 01^\circ 21' 13''$ RT
T = 17.72'
L = 35.44'
R = 1500.00'
E = 0.10'

SCALE: 1"=20'

GRADING PLAN SHEET
STA 162+00 TO STA 164+00

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COUNTY OF	PROJECT NO.	SHEET NO.
ALLEN	23-3243-L	3
CLIENT & PROJECT		
ALLEN COUNTY SCHOOLS		

FILE NAME: Z:\SITE\DEVELOPMENT\2023 PROJECTS\ALLEN COUNTY SCOTTSVILLE SCHOOLS\DEVS\SHS\ACS PLAN_PROFILE - PR GRADING.DGN
USER: ACES\schib3
DATE PLOTTED: September 7, 2025
OpenRoads Designer v10.12.02.4

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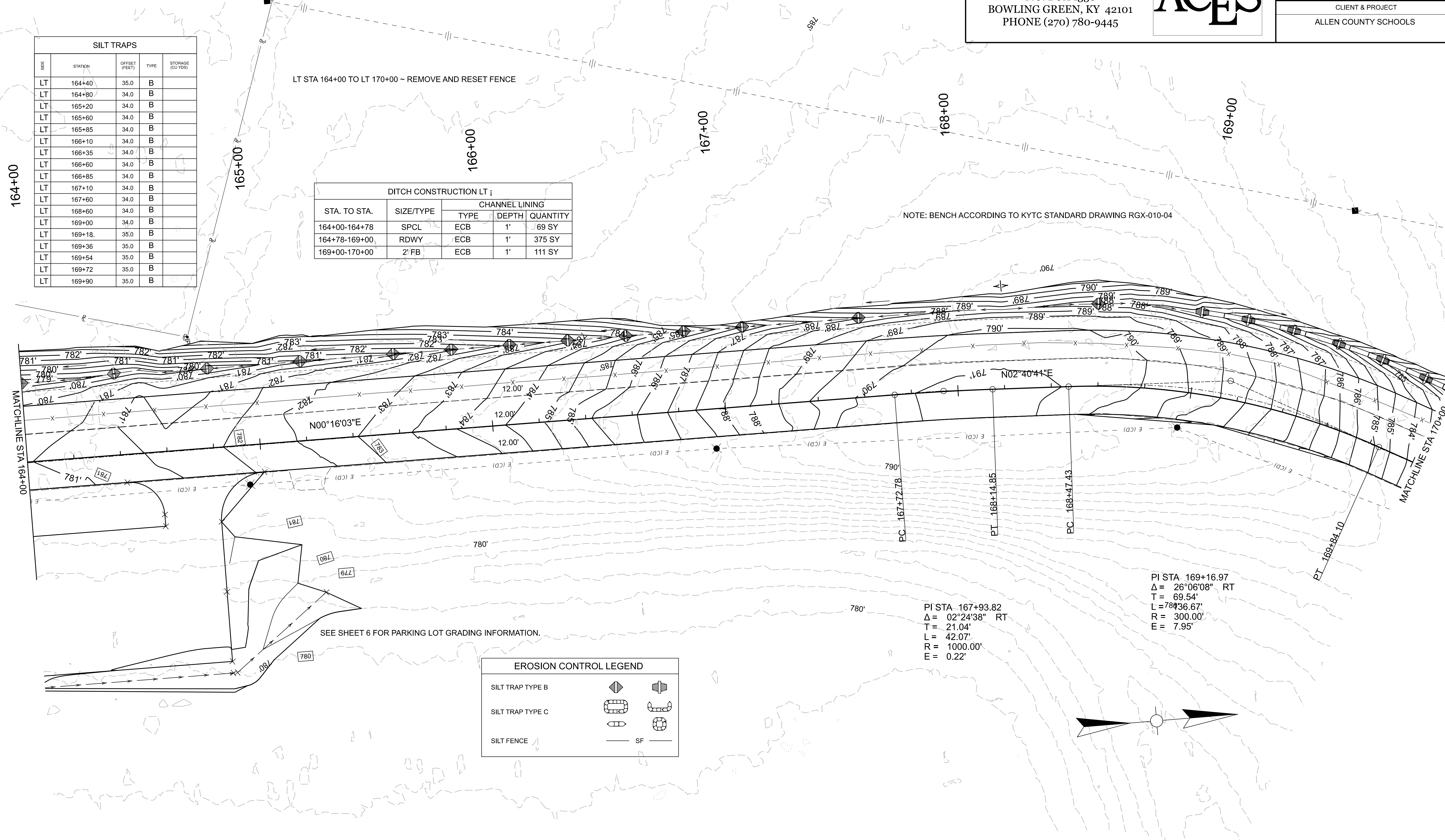
COUNTY OF	PROJECT NO.	SHEET NO.
ALLEN	23-3243-L	4
CLIENT & PROJECT		
ALLEN COUNTY SCHOOLS		

SILT TRAPS				
STATION	OFFSET (FEET)	TYPE	STORAGE (CU YDS)	
LT 164+40	35.0	B		
LT 164+80	34.0	B		
LT 165+20	34.0	B		
LT 165+60	34.0	B		
LT 165+85	34.0	B		
LT 166+10	34.0	B		
LT 166+35	34.0	B		
LT 166+60	34.0	B		
LT 166+85	34.0	B		
LT 167+10	34.0	B		
LT 167+60	34.0	B		
LT 168+60	34.0	B		
LT 169+00	34.0	B		
LT 169+18	35.0	B		
LT 169+36	35.0	B		
LT 169+54	35.0	B		
LT 169+72	35.0	B		
LT 169+90	35.0	B		

LT STA 164+00 TO LT 170+00 ~ REMOVE AND RESET FENCE

STA. TO STA.	SIZE/TYPE	CHANNEL LINING		
		TYPE	DEPTH	QUANTITY
164+00-164+78	SPCL	ECB	1'	69 SY
164+78-169+00	RDWY	ECB	1'	375 SY
169+00-170+00	2' FB	ECB	1'	111 SY

NOTE: BENCH ACCORDING TO KYTC STANDARD DRAWING RGX-010-04

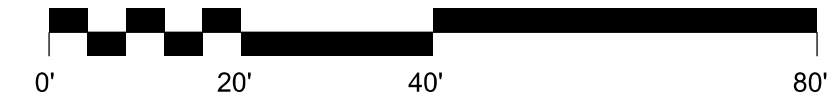
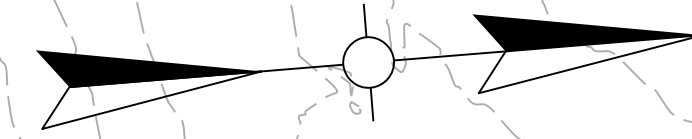


SEE SHEET 6 FOR PARKING LOT GRADING INFORMATION.

EROSION CONTROL LEGEND	
SILT TRAP TYPE B	
SILT TRAP TYPE C	
SILT FENCE	

PI STA 167+93.82
Δ = 02°24'38" RT
T = 21.04'
L = 42.07'
R = 1000.00'
E = 0.22'

PI STA 169+16.97
Δ = 26°06'08" RT
T = 69.54'
L = 78.36.67'
R = 300.00'
E = 7.95'



SCALE: 1"=20'

GRADING PLAN SHEET
STA 164+00 TO STA 170+00

FILE NAME: Z:\SITE DEVELOPMENT\2023 PROJECTS\ALLEN COUNTY SCOTTSVILLE SCHOOLS\SITE DEVELOPMENT SHEETS\SACS PLAN_PROFILE - PR GRADING.DGN

USER: ACES\jrb3
DATE PLOTTED: September 7, 2005

OpenRoads Designer v10.12.02.4

ARNOLD CONSULTING
ENGINEERING SERVICES, INC.
P.O. BOX 1338
BOWLING GREEN, KY 42101
PHONE (270) 780-9445



COUNTY OF	PROJECT NO.	SHEET NO.
ALLEN	23-3243-L	5
CLIENT & PROJECT		
ALLEN COUNTY SCHOOLS		

DITCH CONSTRUCTION LT i				
STA. TO STA.	SIZE/TYPE	CHANNEL LINING		
		TYPE	DEPTH	QUANTITY
170+00-171+00	2' FB	ECB	1'	111 SY.

SILT TRAPS				
SIDE	STATION	OFFSET (FEET)	TYPE	STORAGE (CU YDS)
LT	170+10	35.0	B	
LT	170+30	35.0	B	
LT	170+50	35.0	B	
LT	170+70	35.0	B	

SILT FENCE				
SIDE	STATION	LENGTH (FEET)	TYPE	AREA CONTAINED (SQ FT)
LT	171+00-172+75	182	SF	

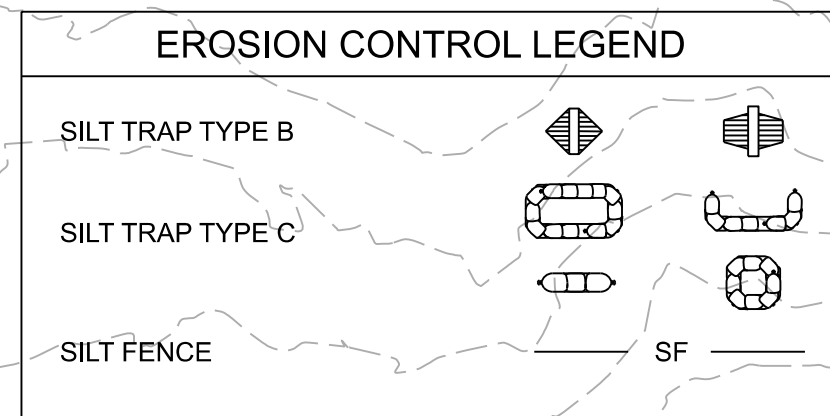
NOTE: BENCH ACCORDING TO KYTC STANDARD DRAWING RGX-010-04
LT STA 172+75 TO LT STA 173+00 TRANSITION FROM 24' PROPOSED PAVEMENT TO 29.80' EXISTING PAVEMENT

LT STA 170+00 TO LT STA 173+00 ~ REMOVE AND RESET FENCE

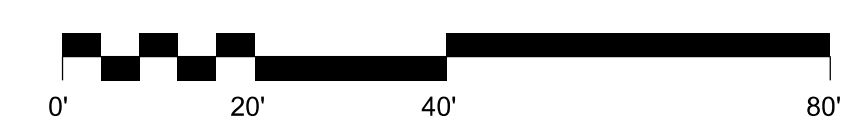
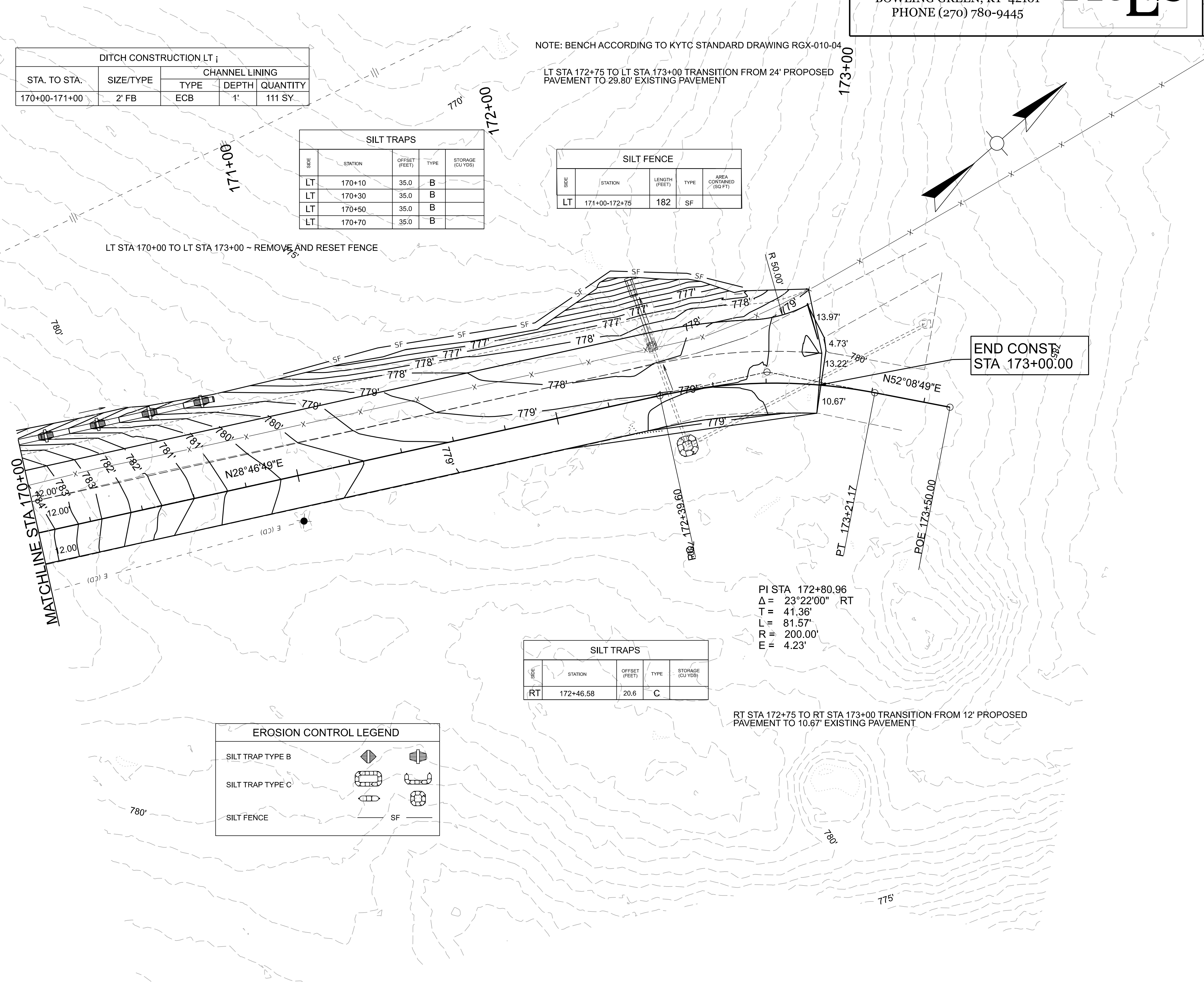
PI STA 172+80.96
Δ = 23°22'00" RT
T = 41.36'
L = 81.57'
R = 200.00'
E = 4.23'

RT STA 172+75 TO RT STA 173+00 TRANSITION FROM 12' PROPOSED PAVEMENT TO 10.67' EXISTING PAVEMENT

SILT TRAPS				
SIDE	STATION	OFFSET (FEET)	TYPE	STORAGE (CU YDS)
RT	172+46.58	20.6	C	



END CONSTRUCTION
STA 173+00.00



SCALE: 1"=20'

GRADING PLAN SHEET
STA 170+00 TO STA 173+00

FILE NAME: Z:\SITE DEVELOPMENT\2023 PROJECTS\ALLEN COUNTY SCOTTSVILLE SCHOOLS\ISITED\VEHSHEETS\SACS PLAN_PROFILE - PR GRADING.DGN
USER: ACESchwif3
DATE PLOTTED: September 7, 2005
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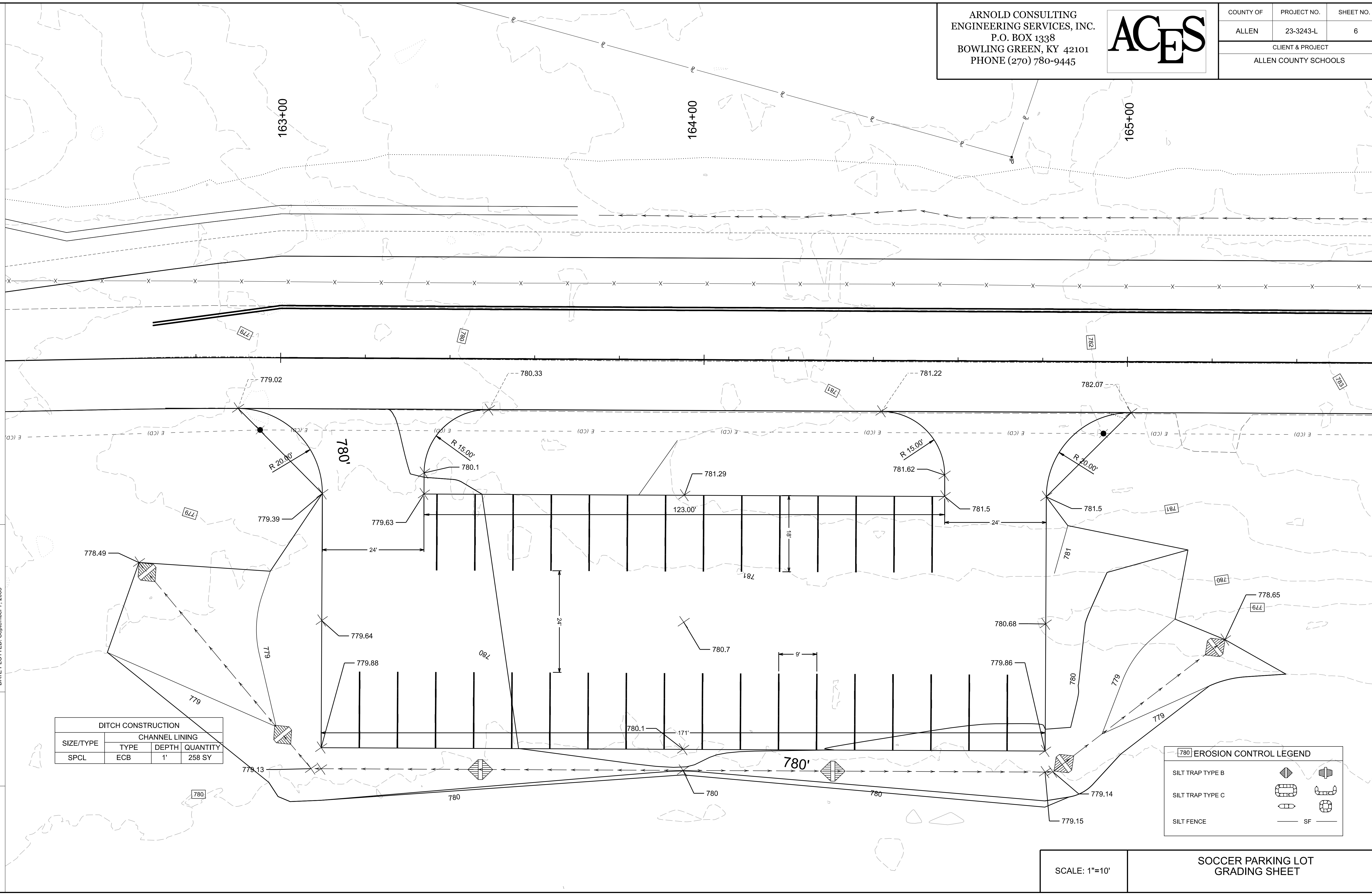


COUNTY OF	PROJECT NO.	SHEET NO.
ALLEN	23-3243-L	6
CLIENT & PROJECT		
ALLEN COUNTY SCHOOLS		

FILE NAME: Z:\SITE DEVELOPMENT\2023 PROJECTS\ALLEN COUNTY SCOTTSDALEVILLE SCHOOLS\DEVELOPMENT\SSACS SOCCER PARKING LOT GRADING.DGN

USER: ACESchil3
DATE PLOTTED: September 7, 2005

OpenRoads Designer v10.12.02.4



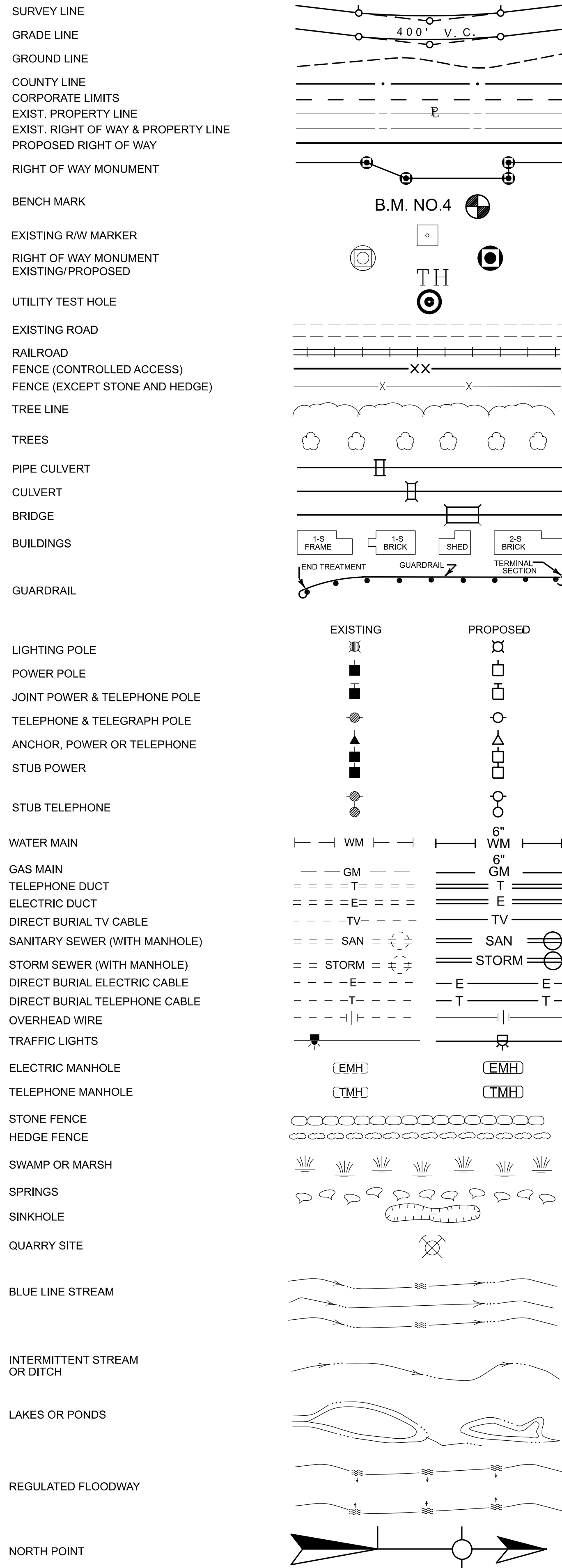
DITCH CONSTRUCTION			
SIZE/TYPE	CHANNEL LINING		
	TYPE	DEPTH	QUANTITY
SPCL	ECB	1'	258 SY

EROSION CONTROL LEGEND	
SILT TRAP TYPE B	
SILT TRAP TYPE C	
SILT FENCE	

SCALE: 1"=10'

SOCCER PARKING LOT
GRADING SHEET

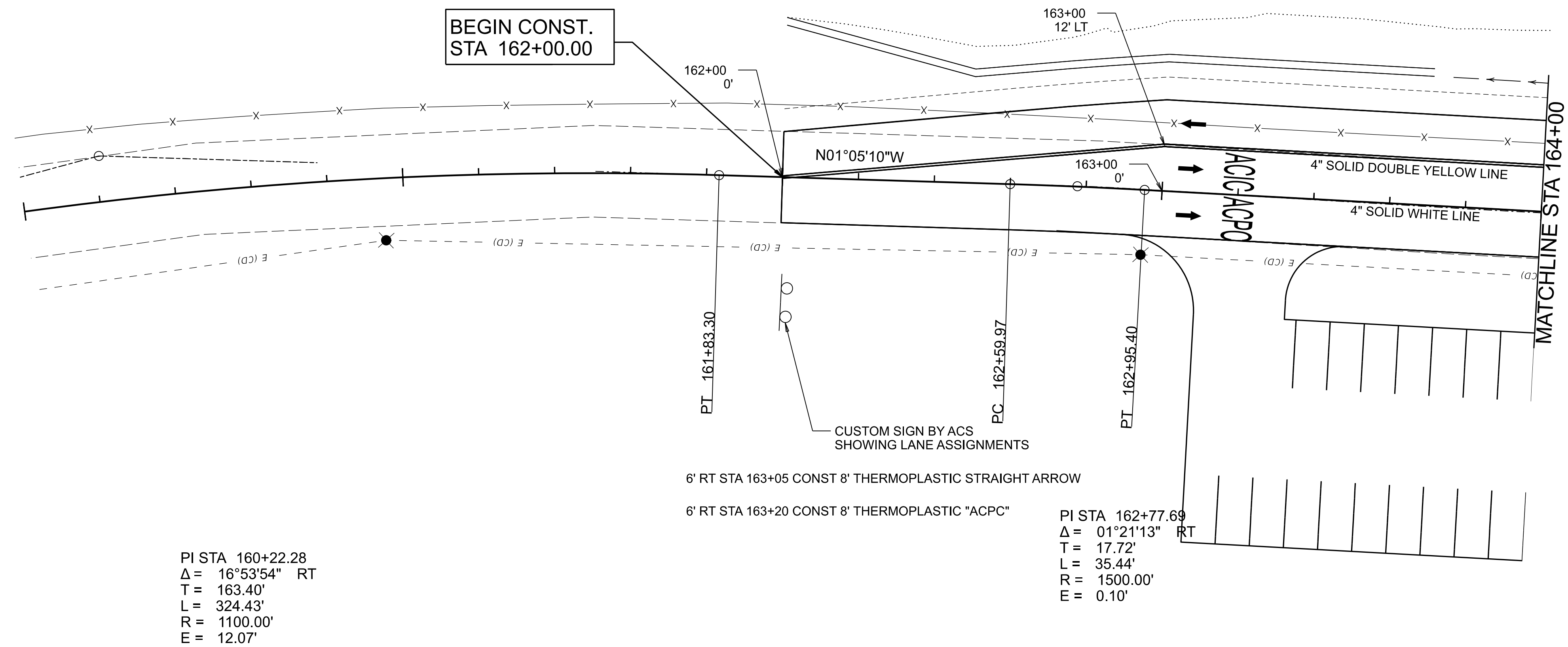
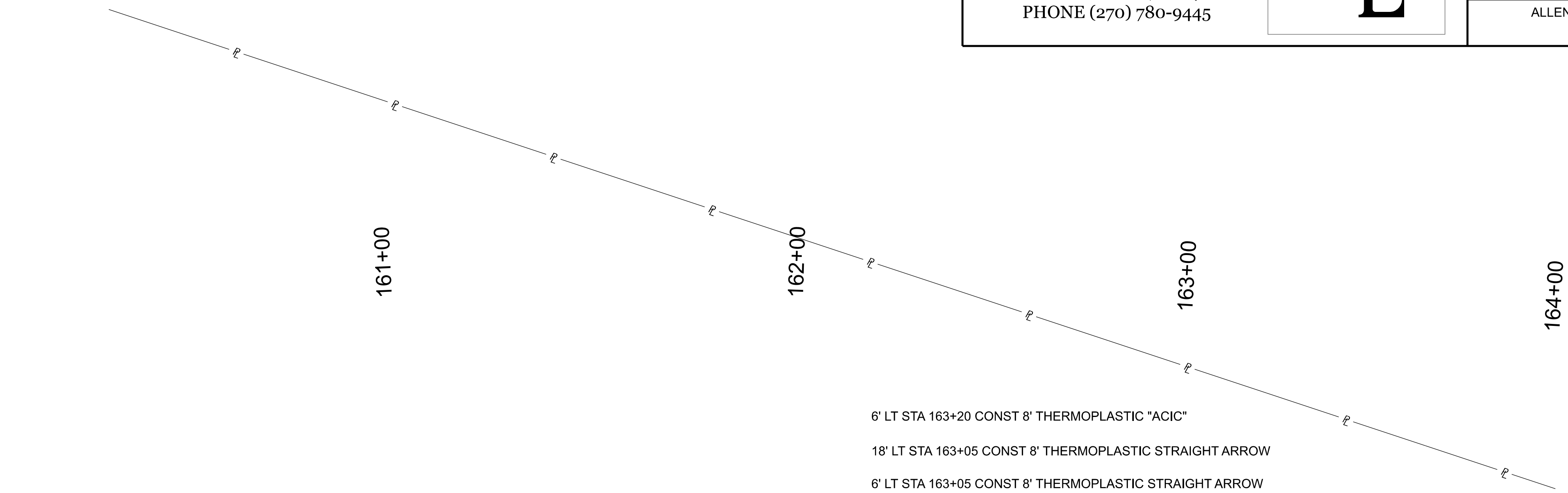
CONVENTIONAL SIGNS



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COUNTY OF	PROJECT NO.	SHEET NO.
ALLEN	23-3243-L	7
CLIENT & PROJECT		
ALLEN COUNTY SCHOOLS		



FILE NAME: Z:\SITE\DEVELOPMENT\2023 PROJECTS\ALLEN COUNTY SCOTTSVILLE SCHOOLS\ISSUES\SHETS\ACS PLAN_PROFILE.DGN

USER: ACES\jrb
DATE PLOTTED: September 7, 2005

OpenRoads Designer v10.12.02.4

SIGNING & STRIPING
STA 162+00 TO STA 164+00

SCALE: 1"=20'

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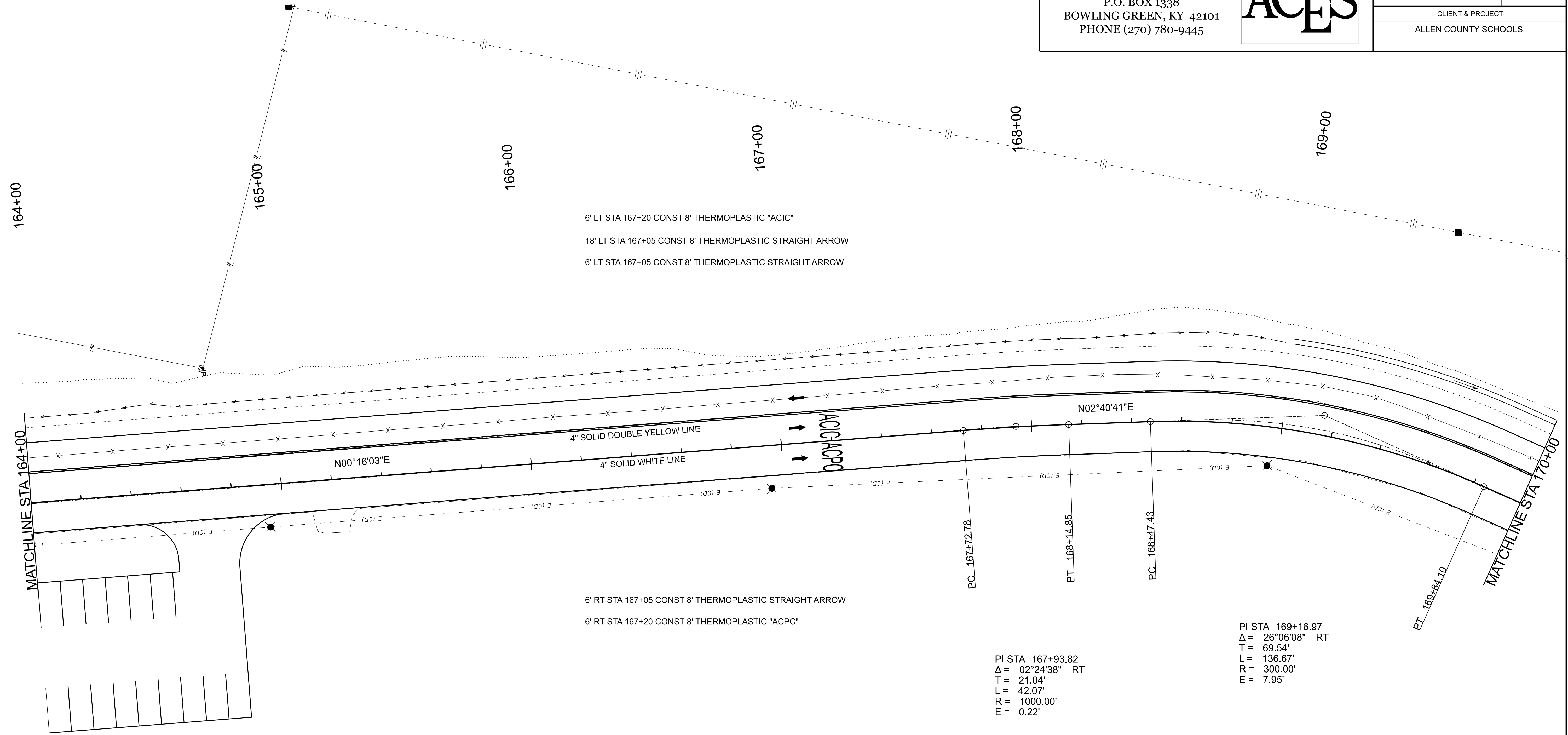


COUNTY OF	PROJECT NO.	SHEET NO.
ALLEN	23-3243-L	8
CLIENT & PROJECT		
ALLEN COUNTY SCHOOLS		

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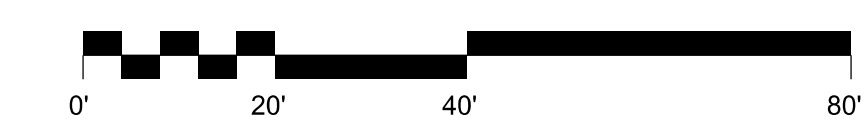
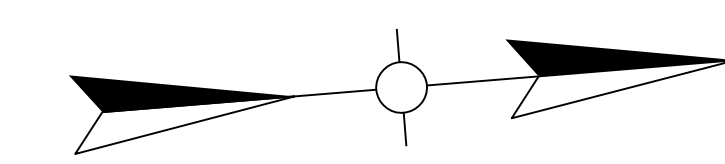
USER: ACESchil3
DATE PLOTTED: September 7, 2005

OpenRoads Designer v10.12.02.4



PI STA 167+93.82
 $\Delta = 02^{\circ}24'38''$ RT
 T = 21.04'
 L = 42.07'
 R = 1000.00'
 E = 0.22'

PI STA 169+16.97
 $\Delta = 26^{\circ}06'08''$ RT
 T = 69.54'
 L = 136.67'
 R = 300.00'
 E = 7.95'



SCALE: 1"=20'

SIGNING & STRIPING
STA 164+00 TO STA 170+00

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PHONE (270) 780-9445

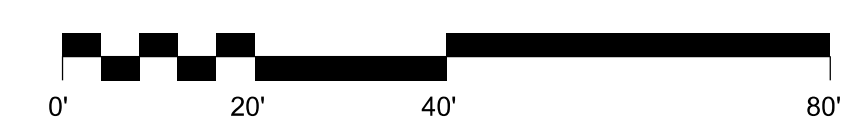
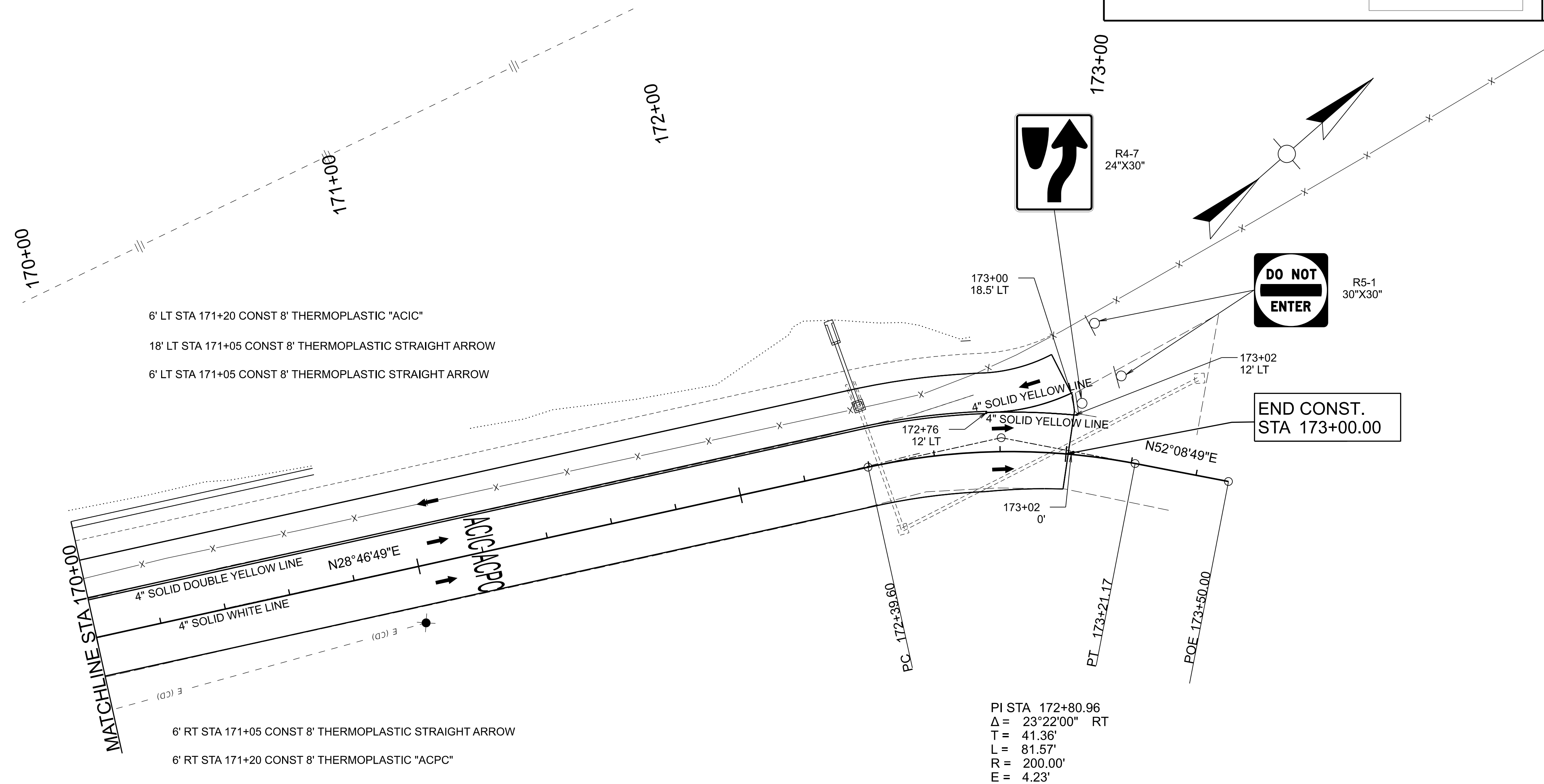


COUNTY OF	PROJECT NO.	SHEET NO.
ALLEN	23-3243-L	9
CLIENT & PROJECT		
ALLEN COUNTY SCHOOLS		

FILE NAME: Z:\SITE DEVELOPMENT\2023 PROJECTS\ALLEN COUNTY SCOTTSVILLE SCHOOLS\ISITED\VEHSHEETS\SACS PLAN_PROFILE.DGN

USER: ACESchwB
DATE PLOTTED: September 7, 2005

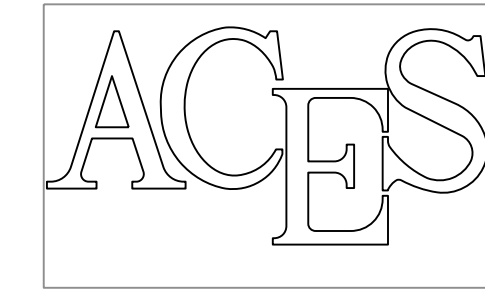
OpenRoads Designer v10.12.02.4



SCALE: 1\"=20'

SIGNING & STRIPING
STA 170+00 TO STA 173+00

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ENGINEERING SERVICES, INC.
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PHONE (270) 780-9445



COUNTY OF	PROJECT NO.	SHEET NO.
ALLEN	23-3243-L	10
CLIENT & PROJECT		
ALLEN COUNTY SCHOOLS		

MAINTENANCE OF TRAFFIC

GENERAL NOTES

- TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, KYTC STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND KYTC STANDARD DRAWINGS, CURRENT EDITIONS.
- ALL ITEMS OF WORK NECESSARY TO MAINTAIN AND CONTROL TRAFFIC WILL BE PAID AT THE LUMP SUM BID PRICE TO "MAINTAIN AND CONTROL TRAFFIC" AS SET FORTH IN THE KYTC CURRENT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION UNLESS OTHERWISE PROVIDED FOR IN THESE NOTES. THE LUMP SUM BID TO "MAINTAIN AND CONTROL TRAFFIC" SHALL ALSO INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING ITEMS AND OPERATIONS:
 - ALL GRADING AND NECESSARY DRAINAGE (UNLESS A BID ITEM FOR DETOUR CONSTRUCTION IS INCLUDED) FOR THE TEMPORARY ROADWAY AND REMOVAL THEREOF, WHEN IT IS NO LONGER NEEDED. IF A BID ITEM FOR DETOUR CONSTRUCTION IS INCLUDED, GRADING AND DRAINAGE WILL BE PAID FOR IN THE BID ITEM "DETOUR CONSTRUCTION".
 - ALL LABOR AND MATERIALS NECESSARY FOR CONSTRUCTION AND MAINTENANCE OF TRAFFIC CONTROL DEVICES AND MARKINGS.
 - ALL FLAGPERSONS AND TRAFFIC CONTROL DEVICES SUCH AS, BUT NOT LIMITED TO, FLASHERS, SIGNS BARRICADES AND VERTICAL PANELS, PLASTIC DRUMS (STEEL DRUMS WILL NOT BE PERMITTED), CONES, SIGNS, BARRICADES, TEMPORARY STRIPING, ARROW PANELS, AND VARIABLE MESSAGE BOARDS NECESSARY FOR THE CONTROL AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC AS SPECIFIED IN THESE NOTES, THE PLANS, THE MUTCD OR THE ENGINEER.
- ANY TEMPORARY TRAFFIC CONTROL ITEMS, DEVICES, MATERIALS AND INCIDENTALS SHALL REMAIN THE PROPERTY OF THE CONTRACTOR WHEN NO LONGER NEEDED.
- THE CONTRACTOR SHALL MAINTAIN A TWO-LANE TRAVELED WAY WITH A MINIMUM LANE WIDTH OF 10 FEET. HOWEVER, DURING WORKING HOURS, ONE-WAY TRAFFIC MAY BE ALLOWED AT THE DISCRETION OF THE ENGINEER, PROVIDED ADEQUATE SIGNING AND A FLAGPERSON ARE AT THE LOCATION.
- THE CONTRACTOR SHALL COMPLETELY COVER ANY SIGNS, EITHER EXISTING, PERMANENT OR TEMPORARY, WHICH DO NOT PROPERLY APPLY TO THE CURRENT TRAFFIC PHASING, AND SHALL MAINTAIN THE COVERING UNTIL THE SIGNS ARE APPLICABLE OR ARE REMOVED.
- IN GENERAL, ALL TRAFFIC CONTROL DEVICES SHALL BE PLACED STARTING AND PROCEEDING IN THE DIRECTION OF THE FLOW OF TRAFFIC AND REMOVED STARTING AND PROCEEDING IN THE DIRECTION OPPOSITE THE FLOW OF TRAFFIC.
- THE ENGINEER AND THE CONTRACTOR, OR THEIR AUTHORIZED REPRESENTATIVES, SHALL REVIEW THE SIGNING BEFORE TRAFFIC IS ALLOWED TO USE ANY LANE CLOSURES, CROSSOVERS OR DETOURS. ALL SIGNING SHALL BE APPROVED BY THE KYTC PERMITS ENGINEER BEFORE WORK CAN BE STARTED BY THE CONTRACTOR.
- IF THE CONTRACTOR DESIRES TO DEVIATE FROM THE TRAFFIC CONTROL SCHEME AND CONSTRUCTION SCHEDULE OUTLINED IN THESE PLANS AND THIS PROPOSAL, HE SHALL PREPARE AN ALTERNATE PLAN AND PRESENT IT IN WRITING TO THE ENGINEER. THIS ALTERNATE PLAN CAN BE USED ONLY AFTER REVIEW AND APPROVAL OF THE KYTC PERMITS ENGINEER.
- IF TRAFFIC SHOULD BE STOPPED DUE TO CONSTRUCTION OPERATIONS AND AN EMERGENCY VEHICLE ON AN OFFICIAL EMERGENCY RUN ARRIVES AT THE SCENE, THE CONTRACTOR SHALL MAKE THE PROVISIONS FOR THE PASSAGE OF THAT VEHICLE AS QUICKLY AS POSSIBLE.

PAVEMENT DROP-OFF

A PAVEMENT EDGE THAT TRAFFIC IS NOT EXPECTED TO CROSS, EXCEPT ACCIDENTALLY, SHOULD BE TREATED AS FOLLOWS:

- LESS THAN TWO INCHES - NO PROTECTION REQUIRED. WARNING SIGNS SHOULD BE PLACED IN ADVANCE AND THROUGHOUT THE DROP-OFF AREA.
- TWO TO FOUR INCHES - PLASTIC DRUMS, VERTICAL PANELS OR BARRICADES EVERY 100 FEET ON TANGENT SECTIONS FOR SPEEDS OF 50 MPH OR GREATER. CONES MAY BE USED IN PLACE OF PLASTIC DRUMS, PANELS AND BARRICADES DURING DAYLIGHT HOURS. FOR TANGENT SECTIONS WITH SPEEDS LESS THAN 50 MPH AND FOR CURVES, DEVICES SHOULD BE PLACED EVERY 50 FEET. SPACING OF DEVICES ON TAPERED SECTIONS SHOULD BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.
- GREATER THAN FOUR INCHES - POSITIVE SEPARATION OR WEDGE WITH 3:1 OR FLATTER SLOPE NEEDED. IF THERE IS FIVE FEET OR MORE DISTANCE BETWEEN THE EDGE OF THE PAVEMENT AND THE DROP-OFF, THEN DRUMS, PANELS, OR BARRICADES MAY BE USED. IF THE DROP-OFF IS GREATER THAN 12 INCHES, POSITIVE SEPARATION IS STRONGLY ENCOURAGED. IF CONCRETE BARRIERS ARE USED, SPECIAL REFLECTIVE DEVICES OR STEADY BURN LIGHTS SHOULD BE USED FOR OVERNIGHT INSTALLATIONS.

FOR TEMPORARY CONDITIONS, DROP-OFFS GREATER THAN FOUR INCHES MAY BE PROTECTED WITH PLASTIC DRUMS, VERTICAL PANELS OR BARRICADES FOR SHORT DISTANCES DURING DAYLIGHT HOURS WHILE WORK IS BEING DONE IN THE DROP-OFF AREA.

LESSER TREATMENTS THAN THOSE DESCRIBED ABOVE MAY BE CONSIDERED FOR LOW-VOLUME LOCAL STREETS.

PAYMENT WILL BE ALLOWED FOR DGA MATERIAL USED FOR WEDGING.

TRAFFIC COORDINATOR

FURNISH A TRAFFIC COORDINATOR AS PER SECTION 112 IN THE CURRENT KENTUCKY STANDARD SPECIFICATIONS. THE TRAFFIC COORDINATOR SHALL INSPECT THE PROJECT MAINTENANCE OF TRAFFIC, AT LEAST THREE TIMES DAILY, OR AS DIRECTED BY THE ENGINEER, DURING THE CONTRACTOR'S OPERATIONS AND AT ANY TIME A LANE CLOSURE IS IN PLACE. THE PERSONNEL SHALL HAVE ACCESS ON THE PROJECT TO A RADIO OR TELEPHONE TO BE USED IN CASE OF EMERGENCIES OR ACCIDENTS. THE TRAFFIC COORDINATOR SHALL REPORT ALL INCIDENTS THROUGHOUT THE WORK ZONE TO THE ENGINEER ON THE PROJECT. THE CONTRACTOR SHALL FURNISH THE NAME AND TELEPHONE NUMBER WHERE THE TRAFFIC COORDINATOR CAN BE CONTACTED AT ALL TIMES.

PHASING

PHASE 1

CLOSE ACS ENTRANCE ROAD BY ERECTING TYPE III BARRICADES ACROSS ALL TRAVELED LANES AT STATIONS 150+10 AND 173+05.

SCALE: 1"= N/A

MAINTENANCE OF TRAFFIC
GENERAL NOTES AND PHASING

FILE NAME: Z:\SITE\DEVELOPMENT\2023 PROJECTS\ALLEN COUNTY SCOTTSVILLE SCHOOLS\SITE\DEVSHEETS\MOT - GENERAL NOTES.DGN

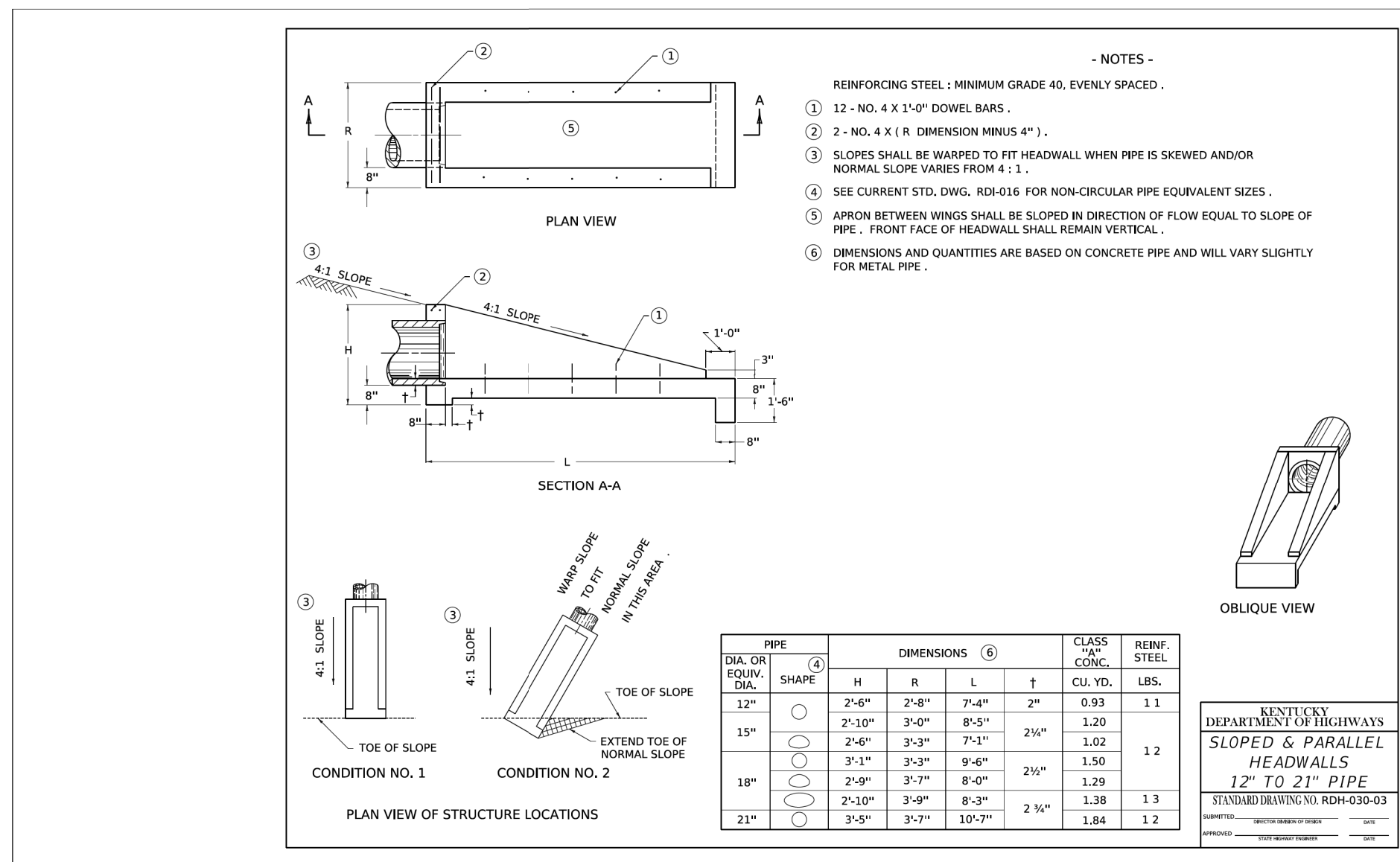
USER: ACESchil3
DATE PLOTTED: September 7, 2005

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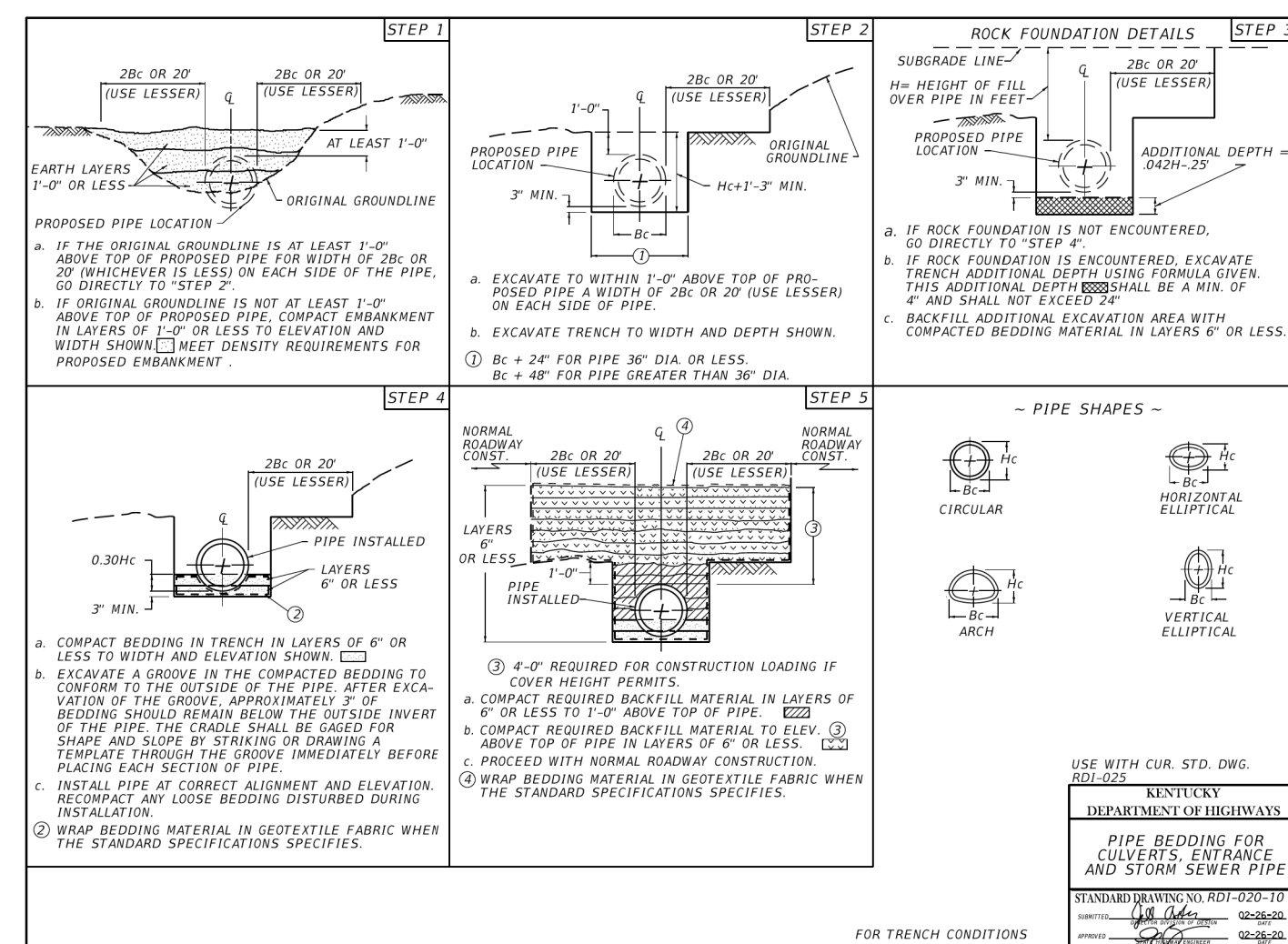
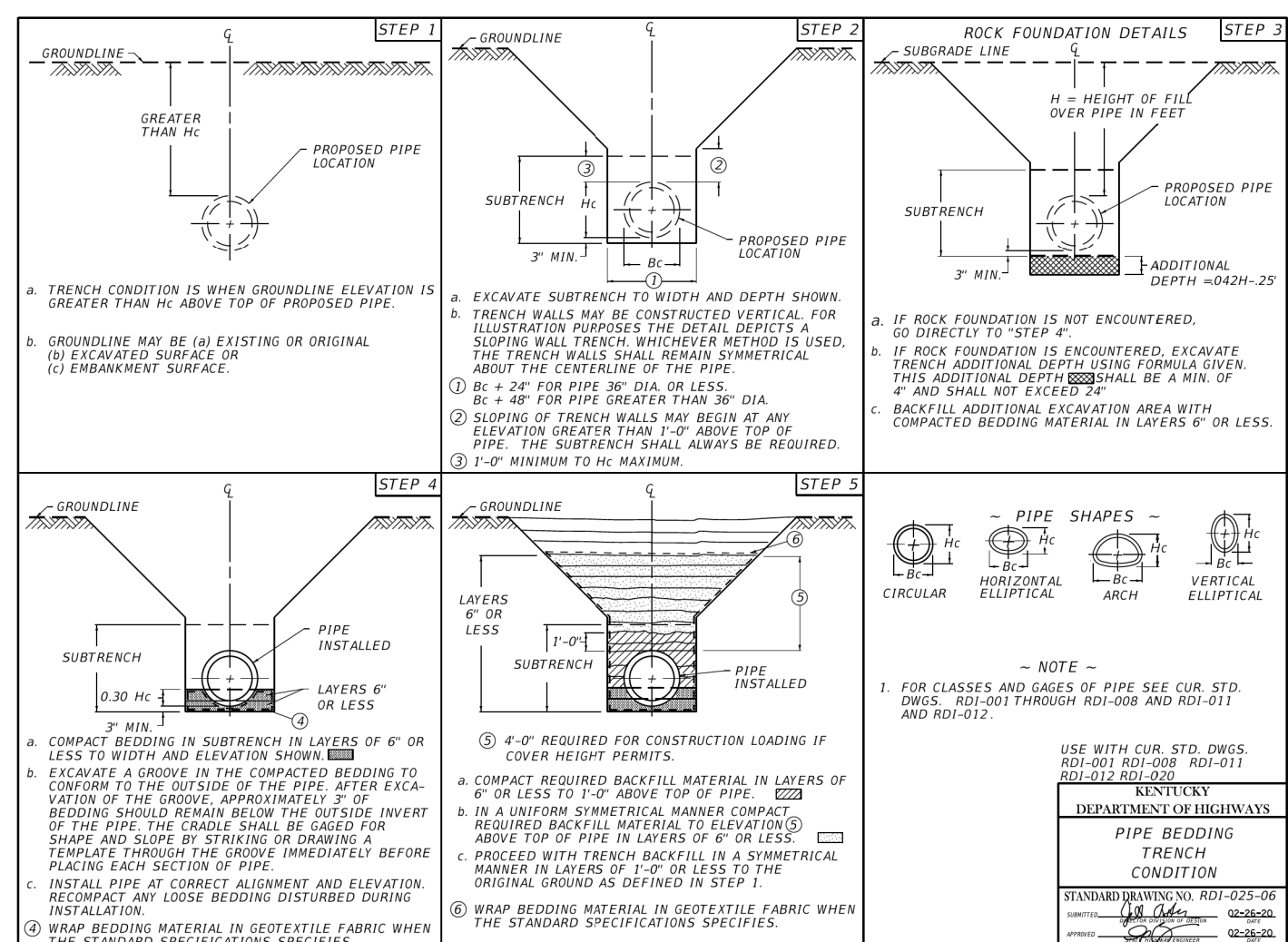
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USER: ACES\jhs
DATE PLOTTED: September 7, 2005

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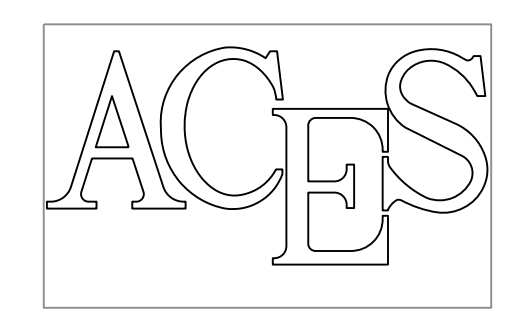


INTERMEDIATE ANCHOR FOR PIPE (CLASS "A" CONCRETE)		END ANCHOR FOR PIPE (CLASS "A" CONCRETE)														
DIAMETER OF PIPE IN INCHES																
GRADE	12"	15"	18"	21"	24"	27"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"
VOLUME IN CU. YDS.	0.08	0.08	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13	0.14	0.14	0.15	0.15
CLASS "A"	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13	0.14	0.14	0.15	0.15	0.16	0.16
CLASS "B"	0.08	0.08	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13	0.14	0.14	0.15	0.15
CLASS "C"	0.07	0.07	0.08	0.08	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13	0.14	0.14
CLASS "D"	0.06	0.06	0.07	0.07	0.08	0.08	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13
CLASS "E"	0.05	0.05	0.06	0.06	0.07	0.07	0.08	0.08	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.12
CLASS "F"	0.04	0.04	0.05	0.05	0.06	0.06	0.07	0.07	0.08	0.08	0.09	0.09	0.10	0.10	0.11	0.11
CLASS "G"	0.03	0.03	0.04	0.04	0.05	0.05	0.06	0.06	0.07	0.07	0.08	0.08	0.09	0.09	0.10	0.10
CLASS "H"	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.05	0.06	0.06	0.07	0.07	0.08	0.08	0.09	0.09
CLASS "I"	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.05	0.06	0.06	0.07	0.07	0.08	0.08
CLASS "J"	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.05	0.06	0.06	0.07	0.07
CLASS "K"	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.05	0.06	0.06
CLASS "L"	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.05
CLASS "M"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.05
CLASS "N"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04
CLASS "O"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04
CLASS "P"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.04
CLASS "Q"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.03
CLASS "R"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02
CLASS "S"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02
CLASS "T"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02
CLASS "U"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CLASS "V"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLASS "W"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLASS "X"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLASS "Y"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLASS "Z"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

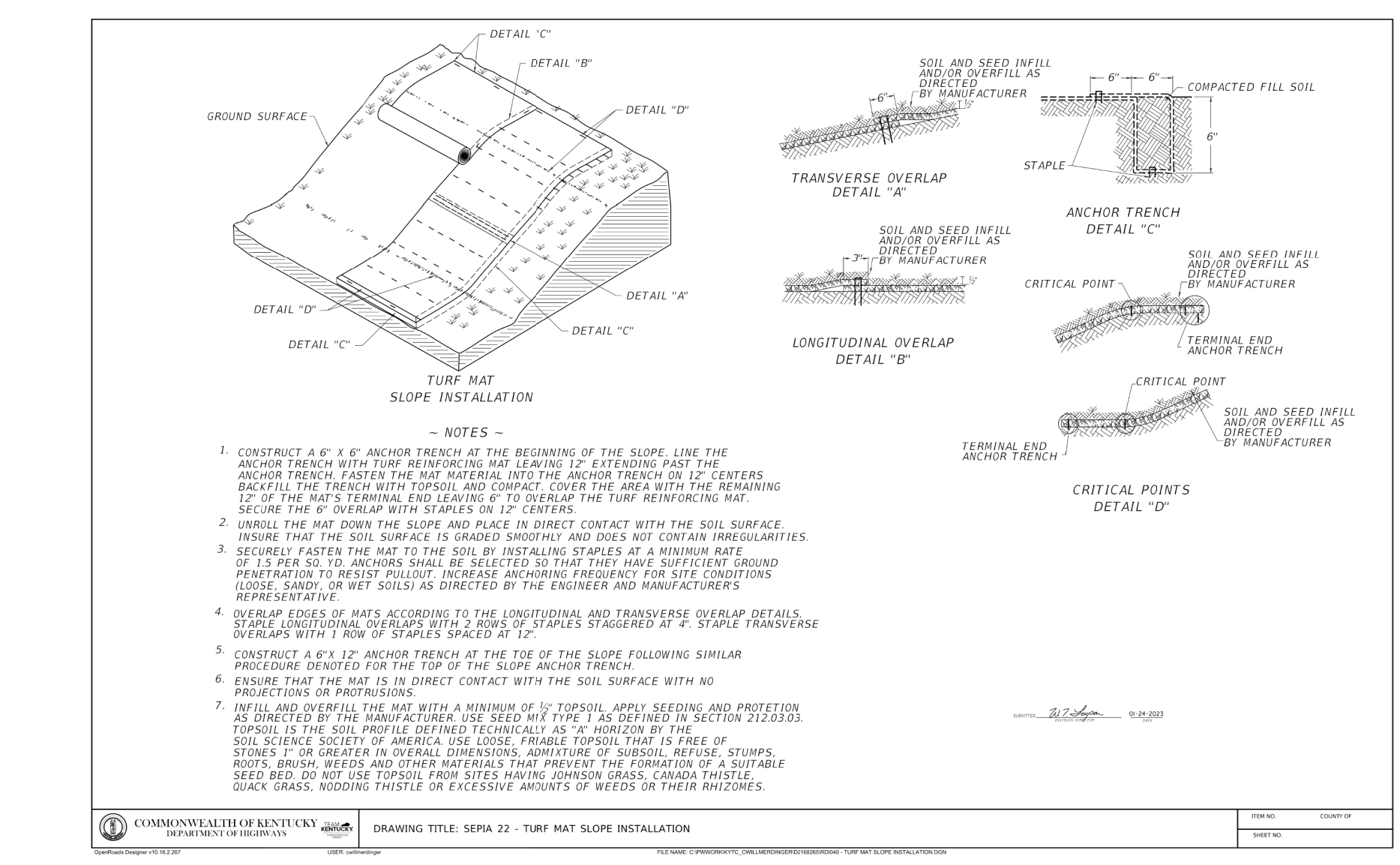
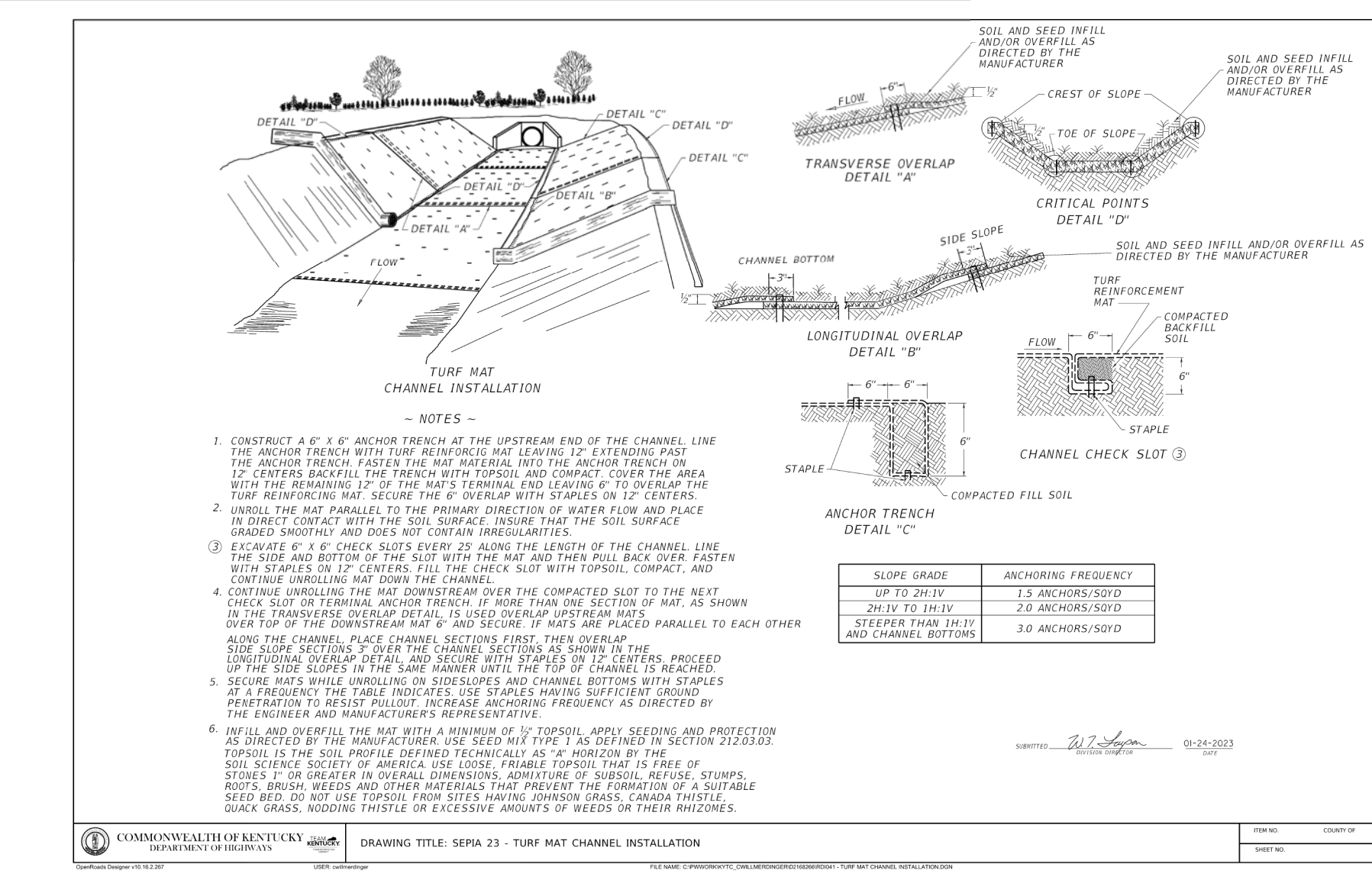
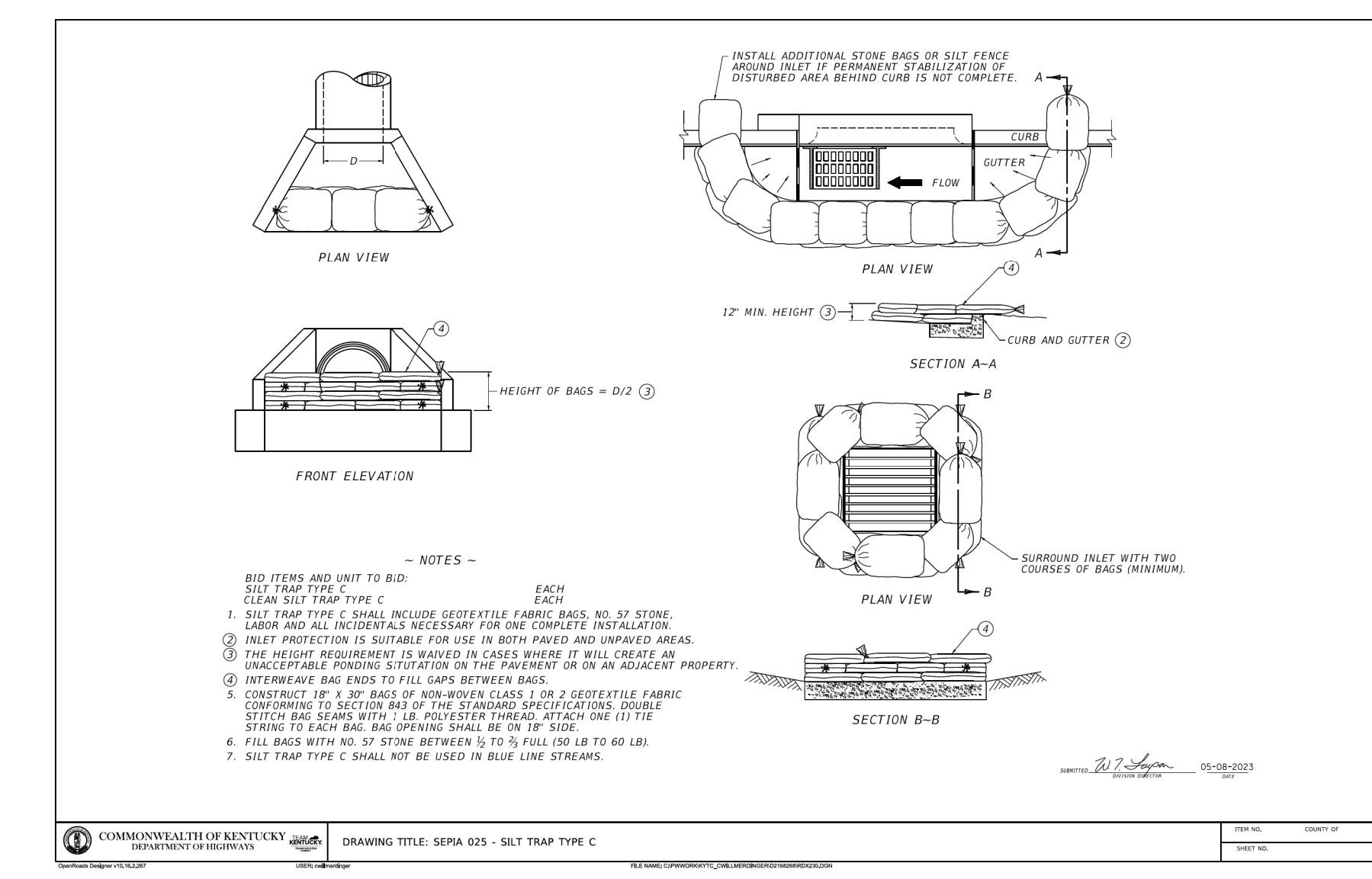
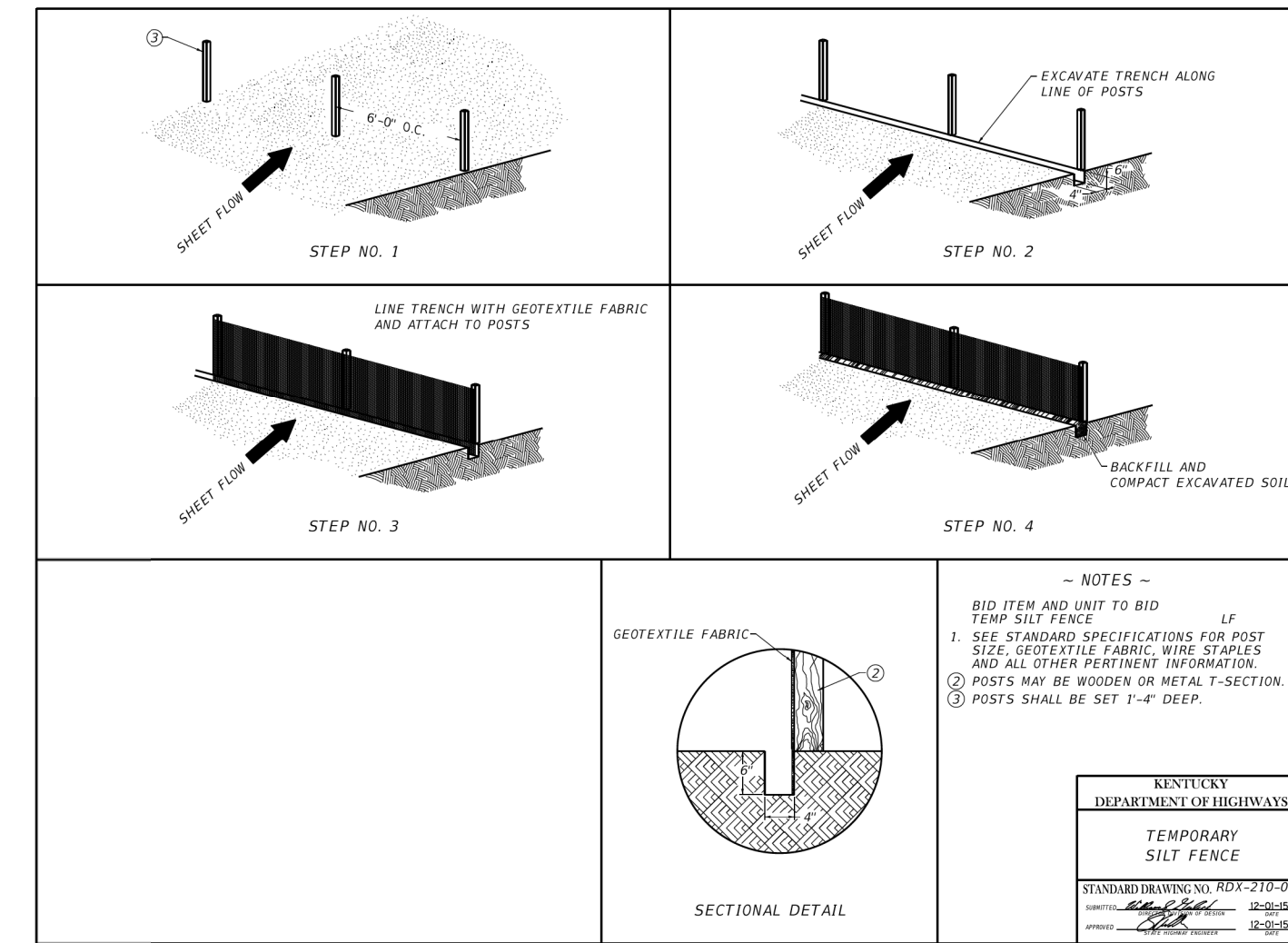
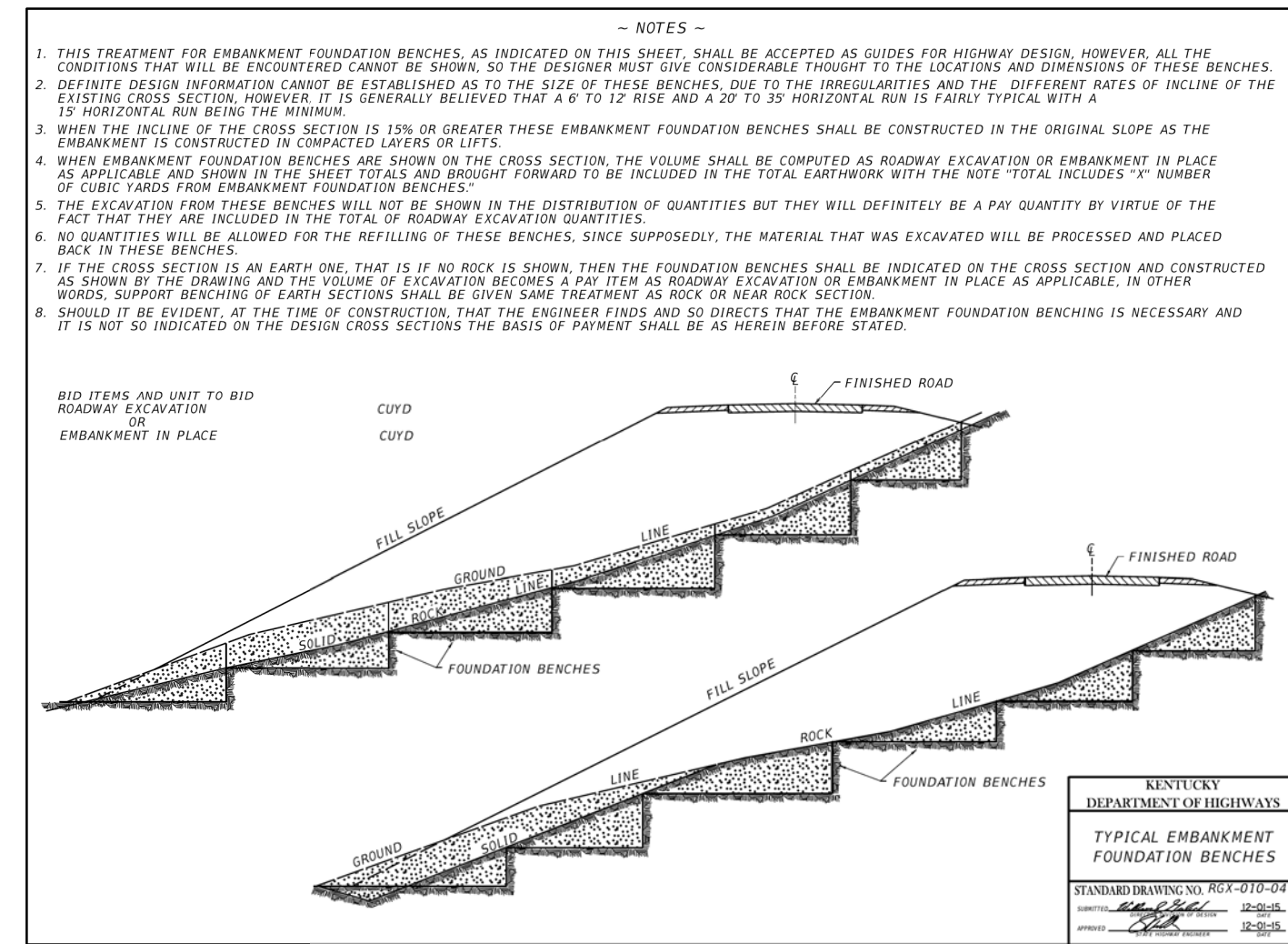
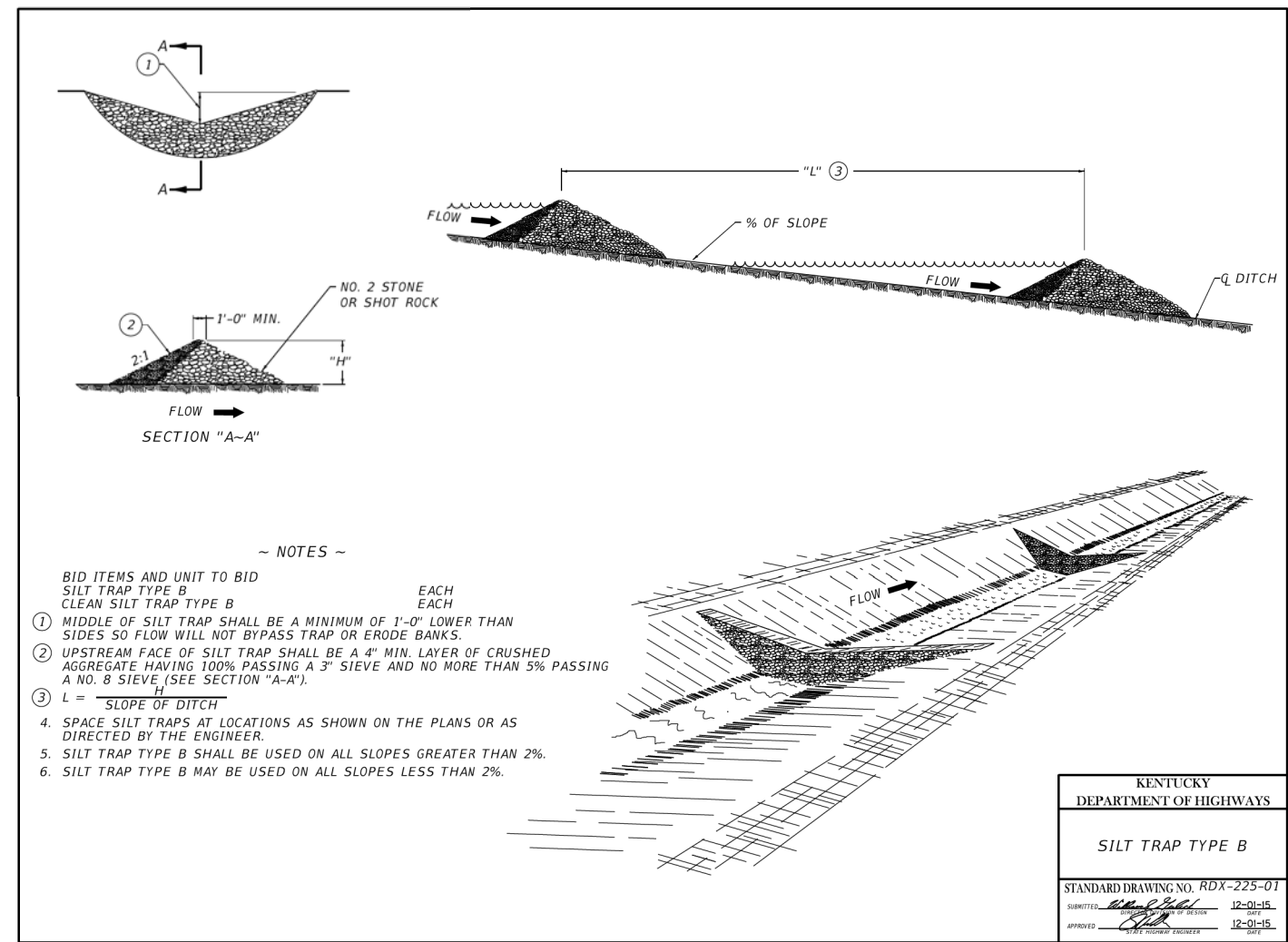


PIPE DIA. (IN)	PIPE TYPE	CIRCULAR PIPE COVER HEIGHTS IN FEET														
		2'	3'	4'	5'	6'	7'	8'	9'	10'	11'	12'	13'	14'	15'	
6	25' x 1/2' CSP(S/L)	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA
	25' x 1/2' CSP(S)	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA
	SRS (T)	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA
	PVC	SMOOTH WALL (SOLID WALL)	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA
12	25' x 1/2' CSP(S/L)	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA
	25' x 1/2' CSP(S)	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA
	SRS (T)	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA
	PVC	SMOOTH WALL (SOLID WALL)	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA
18	25' x 1/2' CSP(S/L)	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA
	25' x 1/2' CSP(S)	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA
	SRS (T)	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA
	PVC	RIBBED (PROFFILE WALL)	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA
24	25' x 1/2' CSP(S/L)	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA
	25' x 1/2' CSP(S)	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA
	SRS (T)	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA
	PVC	RIBBED (PROFFILE WALL)	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA	18 GA

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COUNTY OF	PROJECT NO.	SHEET NO.
ALLEN	23-3243-L	12
CLIENT & PROJECT		
ALLEN COUNTY SCHOOLS		



SCALE: 1"=N/A

DETAIL SHEET
2 OF 2

EROSION CONTROL NOTES

SEED AND SOD NOTES

1. ALL DISTURBED AREAS INCLUDING NOT NOTED TO BE RIP-RAPPED, OR HARD THE AREA NOTED ON THE PLAN TO BE SEEDED SHALL BE SPREAD ALL AREAS TO BE DISKED, LEVELED, AND HAND RAKED. THE TOPSOIL LAYER SHALL BRING ALL TURF AREAS TO FINISH GRADE. SURFACE AREA SHALL BE ROLLED TO REMOVE FOREIGN MATERIALS SUCH AS ROCKS, LIMBS, STICKS, REMOVED DURING CULTIVATION AND RAKING OPERATIONS.
 2. INSTALLATION OF SEED SHALL BE BETWEEN MARCH 1 TO OCTOBER 15. IF ANY PARTIAL SEEDING IS DONE IN BETWEEN OCTOBER MARCH 1, A SEED BLEND WILL BE USED CONSISTING OF 20% ANNUAL RYE
 3. GRASS SEED SHALL BE A TYPE WHICH WILL THRIVE IN THIS PROJECT SUBMIT PROPOSED SEED MIXTURE TO OWNER FOR APPROVAL. FERTILIZER SHALL BE 10-10-10 TYPE 1 GRADE. USE APPROXIMATELY 5 LBS. OF GRASS SEED, 10 LBS. OF FERTILIZER FOR EACH 1000 SQ. FT. OF GROUND AREA TO BE SEEDED. COVER ALL SEEDED AREAS WITH 3 BALES OF WHEAT STRAW FOR EACH 1000 SQ.FT. WATER DAILY FOR 15 DAYS OR AS REQUIRED BY WEATHER CONDITIONS. AFTER SEED HAS GERMINATED, ALL THIN SPOTS SHALL BE RE-SEEDED.
 4. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING, MOWING AND OTHER MAINTENANCE TO SEEDED AREAS UNTIL THE PROJECT IS ACCEPTED BY THE OWNER. A MINIMUM OF 90% COVERAGE OF SOUND, HEALTHY GRASS SHALL BE REQUIRED FOR ACCEPTANCE.
 5. EMBANKMENTS/SLOPES GREATER THAN 3:1 SHALL BE EITHER BE SEEDED AND COVERED WITH AN EROSION CONTROL MAT (JUTE MESH ENKAMAT) OR INSTALLED WITH SOD FOR PROPER STABILIZATION. SOD TO BE STAKED WITH EITHER WOOD STAKES OR U-SHAPED METAL PINS FLUSH WITH GRADE.
 6. SOD SHALL BE REGIONALLY GROWN AND OF A SPECIES THAT WILL THRIVE IN THE PROJECT AREA.
 7. HYDROSEED ALL NEW LAWN AREAS AS SPECIFIED UNLESS PLANS CALL FOR SOD.
 8. MIX SEED, FERTILIZER AND PULVERIZED MULCH WITH WATER USING EQUIPMENT SPECIFICALLY DESIGNED FOR HYDROSEED APPLICATION.
 9. APPLY SLURRY UNIFORMLY TO ALL AREAS BEING SEEDED. RATE OF APPLICATION AS REQUIRED TO OBTAIN SPECIFIED SEED SOWING RATE.
 10. THE SOD SHALL BE RELATIVELY FREE OF DISEASES AND WEEDS. STONES LARGER THAN 1 1/2" IN ANY DIMENSION, PLANT ROOTS AND OTHER MATERIAL DETRIMENTAL TO A HEALTHY STAND OF TURF SHOULD BE REMOVED. DELIVERED SOD THAT HAS BECOME DRY, MOLDY OR YELLOW FROM HEATING, OR HAS IRREGULARLY SHAPED PIECES THAT ARE TORN OR HAVE UNEVEN ENDS SHALL BE REJECTED.
 11. THE SOD BED WILL BE LOOSENEED TO A DEPTH OF 3" TO A SMOOTH, EVEN SURFACE AND SHALL BE GRADED TO SUCH AN ELEVATION SO THE SOD, WHEN IN PLACE, SHALL BE FLUSH WITH ANY ADJACENT SEEDED TURFED AREA, PAVEMENT, CURB OR OTHER STRUCTURES EXCEPT WHEN OTHERWISE NOTED.
 12. LAY SOD WITHIN 24 HOURS OF STRIPPING. DO NOT LAY DORMANT SOD OR IF GROUND IS FROZEN. LAY SOD TO FORM A SOLID MASS WITH TIGHTLY FITTED JOINTS. DO NOT OVERLAP.
 13. WATER SOD WITH FINE SPRAY IMMEDIATELY AFTER PLANTING. DURING FIRST WEEK, WATER DAILY OR MORE FREQUENTLY AS NECESSARY TO MAINTAIN MOIST SOIL TO DEPTH OF 4 INCHES.
 14. PRIOR TO PLACING THE SOD, FERTILIZER 10-10-10 TYPE 1 GRADE A SHALL BE APPLIED UNIFORMLY. SOD SECTIONS SHALL BE HARROWED, RAKED OR OTHERWISE INCORPORATED INTO THE SOIL. THE SOIL BED, WHEN DRY, SHALL BE MOISTENED TO THE LOOSENEED DEPTH.
 15. SOD SHALL BE WETTED THOROUGHLY, ROLLED AND TAMPED SUFFICIENTLY TO INCORPORATE THE ROOTS INTO THE SOD BED AND TO ENSURE TIGHT JOINTS BETWEEN THE SECTIONS OR STRIPS.
 16. ALL SODDED AREAS SHALL BE MAINTAINED, WATERED AND REPAIRED AS NECESSARY BY THE LANDSCAPE CONTRACTOR UNTIL FINAL ACCEPTANCE OF THE PROJECT.
 17. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL SEEDED OR SODDED AREAS FOR A PERIOD OF ONE YEAR FROM THE DATE OF COMPLETION. LANDSCAPE CONTRACTOR IS NOT RESPONSIBLE FOR ACTS OF NATURE THAT MAY CAUSE EROSION, NEGLIGENCE BY THE OWNER OR DAMAGED BY ANIMALS OR MACHINES.
- GENERAL NOTES**
1. ALL MEASURES INSTALLED FOR SEDIMENT CONTROL SHALL BE CHECKED AT THE BEGINNING AND END OF EACH DAY WHEN CONSTRUCTION IS OCCURRING TO ASCERTAIN THAT THE MEASURES ARE IN PLACE AND FUNCTIONING PROPERLY. ANY DAMAGE OBSERVED WILL BE REPAIRED BY THE END OF THAT WORKING DAY. MEASURES SHALL BE MAINTAINED UNTIL THE LOCAL APPLICABLE CODE OFFICIAL DETERMINES THAT THEY ARE NO LONGER NEEDED.
 2. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO THE STANDARDS OF STATE AND FEDERAL LAWS.
 3. A COPY OF THE APPROVED EPSC (EROSION PREVENTION SEDIMENT CONTROL) PLANS SHALL BE MAINTAINED AT THE PROJECT SITE AT ALL TIMES. THIS COPY SHALL BE PRESENTED TO THE CITY OF SCOTTSVILLE'S REPRESENTATIVES UPON REQUEST.
 4. PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN ANY AREA NOT ON THE APPROVED EPSC PLAN, THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EPSC PLAN TO THE CITY OF SCOTTSVILLE FOR APPROVAL.
 5. ALL EPSC MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CLEARING AND GRADING. THE CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE CITY OF SCOTTSVILLE. DURING DEWATERING OPERATIONS WATER MUST BE PUMPED THROUGH AN APPROVED FILTERING DEVICE. THE CITY OF SCOTTSVILLE MAY SUSPEND DEWATERING OPERATIONS IF POLLUTION IS OBSERVED.
 6. 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 UPON REQUEST TO THE CITY OF SCOTTSVILLE.
 7. ALL AREAS DISTURBED SHALL BE STABILIZED ACCORDINGLY. WHEN THE SITE IS BROUGHT TO FINAL GRADE IT MUST BE STABILIZED WITHIN 14 DAYS. DISTURBED AREAS NOT AT FINAL GRADE MUST BE STABILIZED WITHIN 21 DAYS.

SEEDING RATES AND MIXTURES

1. TEMPORARY SEEDING

WHEN ROUGH GRADE AREAS ARE TO BE LEFT UNDISTRIBUTED FOR 21 DAYS OR MORE, TEMPORARY SEEDING WILL BE REQUIRED. THE AREA SHOULD HAVE LIME AND FERTILIZER APPLIED AS NEEDED AND IT SHOULD BE WORKED INTO THE SOIL WITH A DISC OR HARROW TO A DEPTH OF 2 INCHES. SEED SHOULD BE APPLIED AND WORKED INTO THE SOIL TO A DEPTH OF 5/16" TO 5/8". THE CHART BELOW SHOWS THE RECOMMENDED SEEDING RATES.

SEEDING RATES		
March 1 to Oct. 31	Per 1000 SF	Per Acre
Oats	3 lbs	120 lbs
Perennial Ryegrass	1 lbs	40 lbs
Tall Fescue	1 lbs	40 lbs
Wheat	1 lbs	40 lbs
Annual Rye	3 lbs	120 lbs
Nov. 1 to Feb. 28	Per 1000 SF	Per Acre
Annual Rye	3 lbs	120 lbs
Wheat	3 lbs	120 lbs
Perennial Ryegrass	1 lbs	40 lbs
Tall Fescue	3 lbs	120 lbs

2. PERMANENT SEEDING

ONCE FINAL GRADES HAVE BEEN ACHIEVED, PERMANENT SEEDING SHALL TAKE PLACE AS SOON AS IS PRACTICAL AND SHOULD FOLLOW THE GUIDELINES BELOW.

- A. ANALYZE THE SOIL FOR LIME AND FERTILIZER REQUIREMENTS. APPLY AGRICULTURAL LIMESTONE AT A RATE OF 1 TON/ACRE AND 10-10-10 FERTILIZER AT A RATE OF 800 LBS/ACRES OR AS RECOMMENDED SOIL TESTING.
- B. WORK THE LIME AND FERTILIZER INTO THE SOIL TO A DEPTH OF 4 INCHES WITH A DISC OR SPRINGTOOTH HARROW.
- C. APPLY SEED BY EITHER BROADCAST, DRILLING OR HYDROSEEDING AT THE RATES IN THE TABLE LISTED BELOW.

Suggested Seeding Rates

Recommended Seed Blends For Kentucky		
Seed Species and Mixtures	Seeding Rate/Acre	Per 1000 sq. ft.
Seed and Seed Mixtures for Relative Flat or Slightly Sloping Areas		
Perennial Ryegrass	25 to 35 lbs.	1 lb.
+ Tall Fescue	15 to 30 lbs.	1 lb.
Tall Fescue	40 to 50 lbs.	1.5 lbs.
+ Ladino or White Clover	1 to 2 lbs.	2 oz.
Steep Slopes, Banks, Cuts, and Other Low Maintenance Areas (not mowed)		
Smooth Bromegrass	25 to 35 lbs.	1 lb.
+ Red Clover	10 to 20 lbs.	0.5 lb.
Tall Fescue	40 to 50 lbs.	1 lb.
+ White or Ladino Clover	1 to 2 lbs.	2 oz.
Orchardgrass	20 to 30 lbs.	1 lb.
+ Red Clover	10 to 20 lbs.	0.5 lb.
+ Ladino Clover	1 to 2 lbs.	2 oz.
Crownvetch	10 to 12 lbs.	0.25 lb.
+ Tall Fescue	20 to 30 lbs.	1 lb.
Lawns and Other High Traffic or High Maintenance Areas (mowed)		
Bluegrass	105 to 140 lbs.	3 lbs.
Perennial Ryegrass (turf)	45 to 60 lbs.	2 lbs.
+ Bluegrass	70 to 90 lbs.	2.5 lbs.
Tall Fescue (Turf Type)	130 to 170 lbs.	4 lbs.
+ Bluegrass	20 to 30 lbs.	1 lb.
Ditches and Other Areas of Concentrated Water Flows		
Perennial Ryegrass	100 to 150 lbs.	3 lbs.
+ White or Ladino Clover	1 to 2 lbs.	2 oz.
Kentucky Bluegrass	20 lbs.	0.5 lb.
+ Smooth Bromegrass	10 lbs.	0.25 lb.
+ Switchgrass	3 lbs.	2 oz.
+ Timothy	4 lbs.	0.25 lb.
+ Perennial Ryegrass	10 lbs.	0.25 lb.
+ White or Ladino Clover	1 to 2 lbs.	2 oz.
Tall Fescue	100 to 150 lbs.	3 lbs.
+ Ladino or White Clover	1 to 2 lbs.	2 oz.
Tall Fescue	100 to 150 lbs.	3 lbs.
+ Perennial Ryegrass	15 to 20 lbs.	0.5 lb.
+ Kentucky Bluegrass	15 to 20 lbs.	0.5 lb.

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ALLEN	23-3243-L	13
CLIENT & PROJECT		
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Source: Kentucky ESPC Field Guide

3. MULCH SHALL BE APPLIED TO ALL DISTURBED AREAS IN THE CONSTRUCTION LIMITS RECEIVING PERMANENT SEEDING (I.E. ANY DISTURBED AREA NOT STABILIZED WITH PAVEMENT OR SIDEWALK). THE MULCH SHALL CONSIST OF EITHER BLOWN STRAW APPLIED AT A RATE OF 1 5/8 TONS/ACRE OR HYDRAULIC MULCH APPLIED AT A RATE OF 1 5/8 TO 2 TONS/ACRE. ANY AREAS THAT REQUIRE ADDITIONAL STABILIZATION SUCH AS STEEP SLOPES, DITCH CHANNEL, AND STORM SEWER OUTLETS ARE SHOWN ON THE PLANS WITH THE PARTICULAR STABILIZATION MEASURE TO BE APPLIED.

ALL CBI'S, DBI'S, DRY WELLS, AND PIPE INLETS
W/HDWLS SHALL USE SILT TRAP TYPE C

SCALE: 1"= N/A

EROSION CONTROL NOTES

FILE NAME: Z:\SITEDEVELOPMENT\2023 PROJECTS\ALLEN COUNTY SCOTTSVILLE SCHOOLS\SITEDEVELOPMENT\EROSION CONTROL-NOTE SHEET.DGN

USER: ACESchil3
DATE PLOTTED: September 7, 2005

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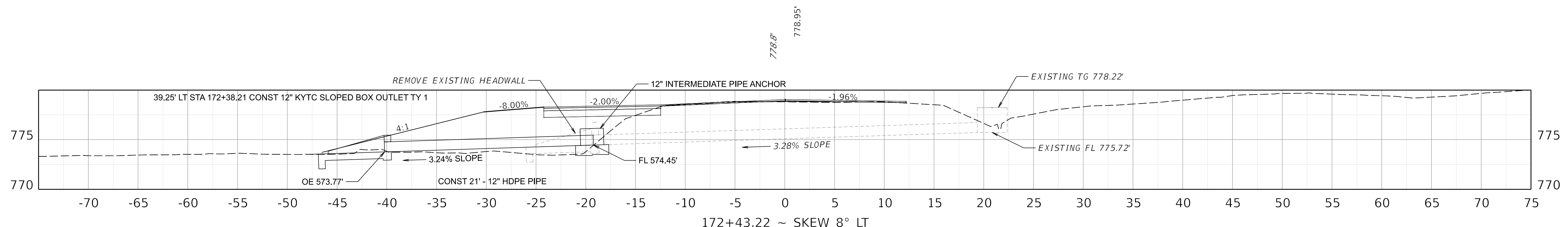


COUNTY OF	PROJECT NO.	SHEET NO.
ALLEN	23-3243-L	14
CLIENT & PROJECT		
ALLEN COUNTY SCHOOLS		

FILE NAME: Z:\SITEDEVELOPMENT\2023 PROJECTS\ALLEN COUNTY SCOTTSVILLE SCHOOLS\ISITED\VDRAINAGE\PIPE SHEET.DGN

USER: ACESchil3
 DATE PLOTTED: September 7, 2005

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SCALE: 1"= 5' HORIZ.
 1"=5' VERT.

PIPE SHEET