

DEPARTMENT OF FACILITIES

THOMAS STOKES, DIRECTOR
TRACY PARSLEY, MAINTENANCE SUPERVISOR
BOBBIE CASTLEMAN, CUSTODIAL SUPERVISOR
GEORGE BROCK, ENERGY MANAGER

MEMORANDUM

TO: Dr. Jesse Bacon, Superintendent

FROM: Thomas Stokes, Director of Facilities *TAS*

DATE: December 4, 2025

SUBJECT: Request for Support - West Blue Lick Drainage & Sanitary Project Phase 2

The City of Shepherdsville is requesting a letter of support from Bullitt County Public Schools for the West Blue Lick Road Drainage & Sanitary Sewer Improvement Project – Phase Two.

This project includes installation of a large-diameter stormwater trunk line along the full length of Bullitt Lick Middle School Road, multiple new catch basins, and full-depth roadway replacement. The improvements will provide several benefits to Bullitt Lick Middle School and Shepherdsville Elementary School, including:

- Better drainage and reduced standing water, which will limit mosquito habitat and improve mowing and maintenance.
- Increased usable outdoor space for student activities.
- Opportunities for future drainage improvements on school property.
- Support for potential future upgrades to West Blue Lick Road and KY 44, enhancing safety and traffic flow.

A letter of support from the district will assist the city with permitting efforts. Preliminary construction plans and a preliminary easement plat are included for review.

OUR MISSION IS TO INSPIRE AND EQUIP OUR STUDENTS TO SUCCEED IN LIFE

BULLITT COUNTY PUBLIC SCHOOLS IS AN EQUAL EDUCATION AND EMPLOYMENT INSTITUTION

Please let us know if you have questions or need additional information.

I recommend approval of this request.

Attached paperwork is listed below:

- Letter of Support from the City of Shepherdsville
- Preliminary Easement Plat
- Preliminary Construction Plans

CITY OF SHEPHERDSVILLE

634 CONESTOGA PARKWAY
SHEPHERDSVILLE, KY 40165

MAYOR
JOSÉ CUBERO

CITY CLERK
BRENDA WEIDEKAMP

December 3rd, 2025

Dr. Jesse Bacon, Superintendent
Bullitt County Public Schools
1040 Highway 44 East
Shepherdsville, KY 40165

CITY COUNCIL

ROBERT ADAMS
BONNIE ENLOW
MIKE HIBBARD
JENNIFER MENDEZ
FAITH PORTMAN
BRAD WHITTAKER

RE: *Request for Support of the West Blue Lick Road Drainage & Sanitary Sewer Improvement Project Phase Two*

Dr. Bacon,

The City of Shepherdsville is requesting a letter of support for the *West Blue Lick Road Drainage & Sanitary Sewer Improvement Project Phase Two*. This project includes the construction of a large-diameter stormwater trunk line along the full length of Bullitt Lick Middle School Road, the installation of multiple catch basins, and a full-depth roadway replacement of Bullitt Lick Middle School Road.

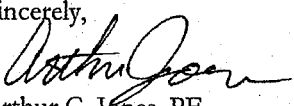
The project will provide several benefits to Bullitt Lick Middle School and Shepherdsville Elementary School, including:

- The proposed storm sewer and catch basins will provide an outlet for standing or stagnant water, reducing mosquito habitat on the property. This improvement will also simplify mowing operations and increase the usable area for student activities.
- The project will create opportunities for future drainage improvements on school property.
- The project will allow for potential future improvements to West Blue Lick Road and KY 44 that would increase safety and efficiency.

The requested letter of support will assist with the project's permitting efforts. Preliminary construction plans and a preliminary easement plat are included for your review. If you have any questions or need additional information, please feel free to contact me.

We look forward to your response and to working together to advance this project, which will provide substantial benefits to the Shepherdsville community.

Sincerely,


Arthur C. Jones, PE
City Engineer
City of Shepherdsville

cc: Robert B. Campbell, PE, Qk4, Inc.

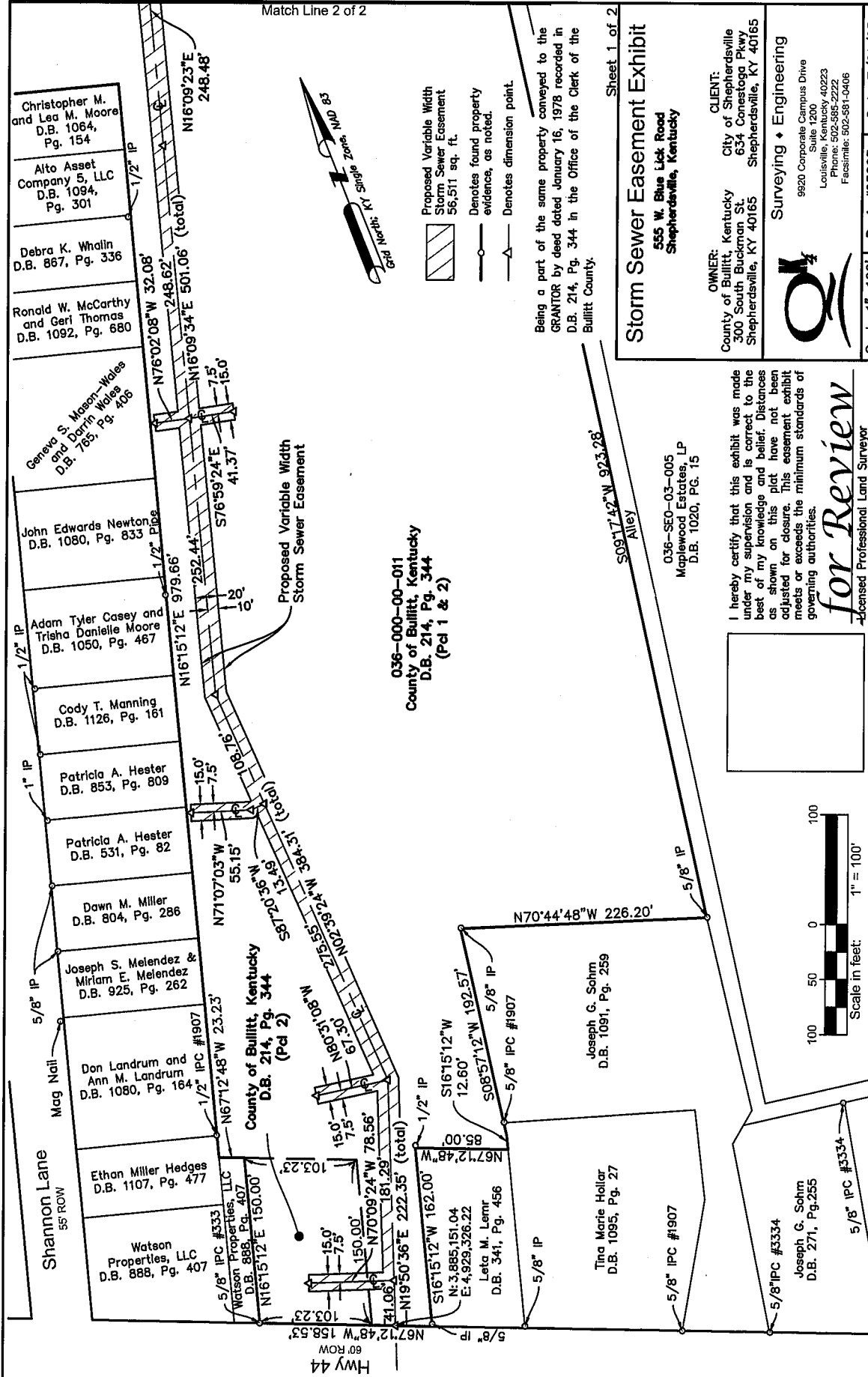
Enclosures: Preliminary Construction Plans and Preliminary Easement Plat

TEL: (502) 543-2923
FAX: (502) 414-2346



Mayor - jcubero@shepherdsvilleky.gov
Clerk - bweidekamp@shepherdsvilleky.gov
Website: shepherdsvilleky.gov

Michael L. Gaddis
D.B. 889, Pg. 889
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D.B. 1000, Pg. 1000



Being a part of the same property conveyed to the GRANTOR by deed dated January 16, 1978 recorded in D.B. 214, Pg. 344 in the Office of the Clerk of the Bullitt County.

Storm Sewer Easement Exhibit

555 W. Blue Lick Road
Shepherdsville, Kentucky

OWNER:
County of Bullitt, Kentucky
300 South Buckman St.
Shepherdsville, KY 40165

CLIENT:
City of Shepherdsville
634 Conestoga Pkwy
Shepherdsville, KY 40165

Surveying • Engineering

9920 Corporate Campus Drive
Suite 1200
Louisville, KY 40223
Phone: 502-585-2223
Facsimile: 502-581-0406

Scale 1"=100' Proj. #25803 Date 7/21/25

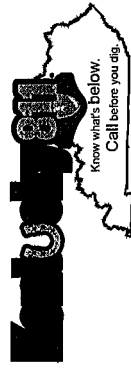
I hereby certify that this exhibit was made under my supervision and is correct to the best of my knowledge and belief. Distances as shown on this plat have not been adjusted for closure. This easement exhibit meets or exceeds the minimum standards of governing authorities.

for Review

Licensed Professional Land Surveyor



KYTC KENTUCKY TRANSPORTATION CABINET 1000 COMMONWEALTH AVENUE COLUMBIA, KENTUCKY 40202 CONTACT: ELIZABETH GOSN E-MAIL: elizabeth.gosn@kytc.gov	COMMUNICATION WINDSTREAM 1000 COMMONWEALTH AVENUE COLUMBIA, KENTUCKY 40202 CONTACT: LARRY GREGORY E-MAIL: larry.gregory@windstream.com
STORM & SANITARY SEWER SHEPHERDSEVILLE FIRE DEPARTMENT 400 WEST BROADWAY LOUISVILLE, KENTUCKY 40202 CONTACT: ARTHUR JONES PHONE: 502-543-7339 E-MAIL: ajones@shepherdsevilleky.gov	COMMUNICATION SCHOOLS FIRE 400 WEST BROADWAY LOUISVILLE, KENTUCKY 40202 CONTACT: LARRY GREGORY E-MAIL: larry.gregory@schoolsfire.com
WATER LOUISVILLE WATER COMPANY 400 WEST BROADWAY LOUISVILLE, KENTUCKY 40202 CONTACT: ARTHUR JONES PHONE: 502-543-7339 E-MAIL: ajones@louisvillewater.com	FIRE DEPARTMENT SHEPHERDSEVILLE FIRE DEPARTMENT 400 WEST BROADWAY LOUISVILLE, KENTUCKY 40202 CONTACT: ARTHUR JONES PHONE: 502-543-7339 E-MAIL: ajones@shepherdsevilleky.gov
NATURAL GAS LOUISVILLE GAS AND ELECTRIC 400 WEST BROADWAY LOUISVILLE, KENTUCKY 40202 CONTACT: ARTHUR JONES PHONE: 502-543-7339 E-MAIL: ajones@louisvillegas.com	BULLITT LICK MIDDLE SCHOOL 555 W. BLUE LICK ROAD SHEPHERDSEVILLE, KY 40165 PHONE: 502-543-7339
ELECTRIC LOUISVILLE GAS AND ELECTRIC 400 WEST BROADWAY LOUISVILLE, KENTUCKY 40202 CONTACT: ARTHUR JONES PHONE: 502-543-7339 E-MAIL: ajones@louisvillegas.com	SHEPHERDSEVILLE ELEMENTARY 555 W. BLUE LICK ROAD SHEPHERDSEVILLE, KY 40165 PHONE: 502-543-7339
COMMUNICATION SPECTRUM 1000 COMMONWEALTH AVENUE COLUMBIA, KENTUCKY 40202 CONTACT: LARRY GREGORY E-MAIL: larry.gregory@spectrum.com	



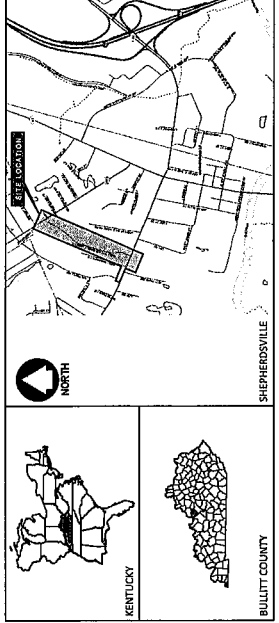
BEFORE YOU DIG

THE CONTRACTOR IS REQUESTED TO CALL 1-800-732-6007 TO REACH KY 61, THE ONE-CALL SYSTEM FOR KENTUCKY. THIS SYSTEM IS A FREE SERVICE THAT PROVIDES A PRE-EXCAVATION SURVEY OF ALL UTILITIES IN THE AREA. THE CONTRACTOR MUST COORDINATE WITH THE UTILITY OWNERS, INCLUDING THOSE WHO DO NOT SUBSCRIBE TO KY 61. IT MAY BE NECESSARY TO CONTACT THE COUNTY COURT CLERK TO DETERMINE WHICH UTILITY COMPANIES HAVE FACILITIES IN THE AREA.



BLUE LICK ROAD DRAINAGE & SANITARY SEWER IMPROVEMENT PROJECT PHASE TWO CONSTRUCTION PLANS

Owner:
 City of Shepherdsville
 Project Address:
 555 W. Blue Lick Road
 Shepherdsville, KY 40165



GENERAL NOTES

- ALL CONSTRUCTION SERVICES, MATERIALS, AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE KENTUCKY TRANSPORTATION CABINET (KYTC) DEPARTMENT OF HIGHWAYS STANDARD SPECIFICATIONS FOR CONSTRUCTION, LATEST EDITION, AND ANY AMENDMENTS THERE TO, UNLESS OTHERWISE SPECIFIED. THE CURRENT KYTC STANDARD SPECIFICATIONS SHALL ALSO APPLY UNLESS OTHERWISE NOTED ON THE PLANS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE APPROPRIATE AGENCIES, INCLUDING THE KENTUCKY DEPARTMENT OF HIGHWAYS, BEFORE BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE APPROPRIATE AGENCIES, INCLUDING THE KENTUCKY DEPARTMENT OF HIGHWAYS, BEFORE BEGINNING CONSTRUCTION.
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SHEET NO.	DESCRIPTION
C0.0	COVER SHEET
C0.1	OVERALL CONCEPT PLAN
C0.2	TYPICAL SECTION
C1.1	EXISTING CONDITIONS
C1.2	DEMOLITION PLAN
C2.0	COMPOSITE DRAINAGE PLAN - OVERALL
C2.1	COMPOSITE DRAINAGE PLAN - ENLARGED
C3.1	STORM SEWER PLAN & PROFILE - LINE 1
C3.2	STORM SEWER PLAN & PROFILE - LINE 1
C3.3	STORM SEWER PLAN & PROFILE - LINE 1
C3.4	STORM SEWER PLAN & PROFILE - LINE 1
C3.5	STORM SEWER PLAN & PROFILE - LINE 2
C3.6	STORM SEWER PLAN & PROFILE - LINES 2-5
C3.7	STORM SEWER PLAN & PROFILE - LINE 6
C3.8	STORM SEWER PLAN & PROFILE - LINE 7
C3.9	STORM SEWER PLAN & PROFILE - LINE 7
C4.1	LAYOUT PLAN
C5.0	GRADING PLAN - OVERALL
C5.1	GRADING PLAN - ENLARGED
C5.2	GRADING PLAN - ENLARGED
C6.1	ROADWAY PLAN & PROFILE
C6.2	ROADWAY PLAN & PROFILE
C6.3	ROADWAY CROSS SECTIONS
C6.4	ROADWAY CROSS SECTIONS
C6.5	ROADWAY CROSS SECTIONS
C7.1	EPSC PLAN
C7.2	EPSC DETAILS
C8.1	SITE DETAILS
C8.2	SITE DETAILS

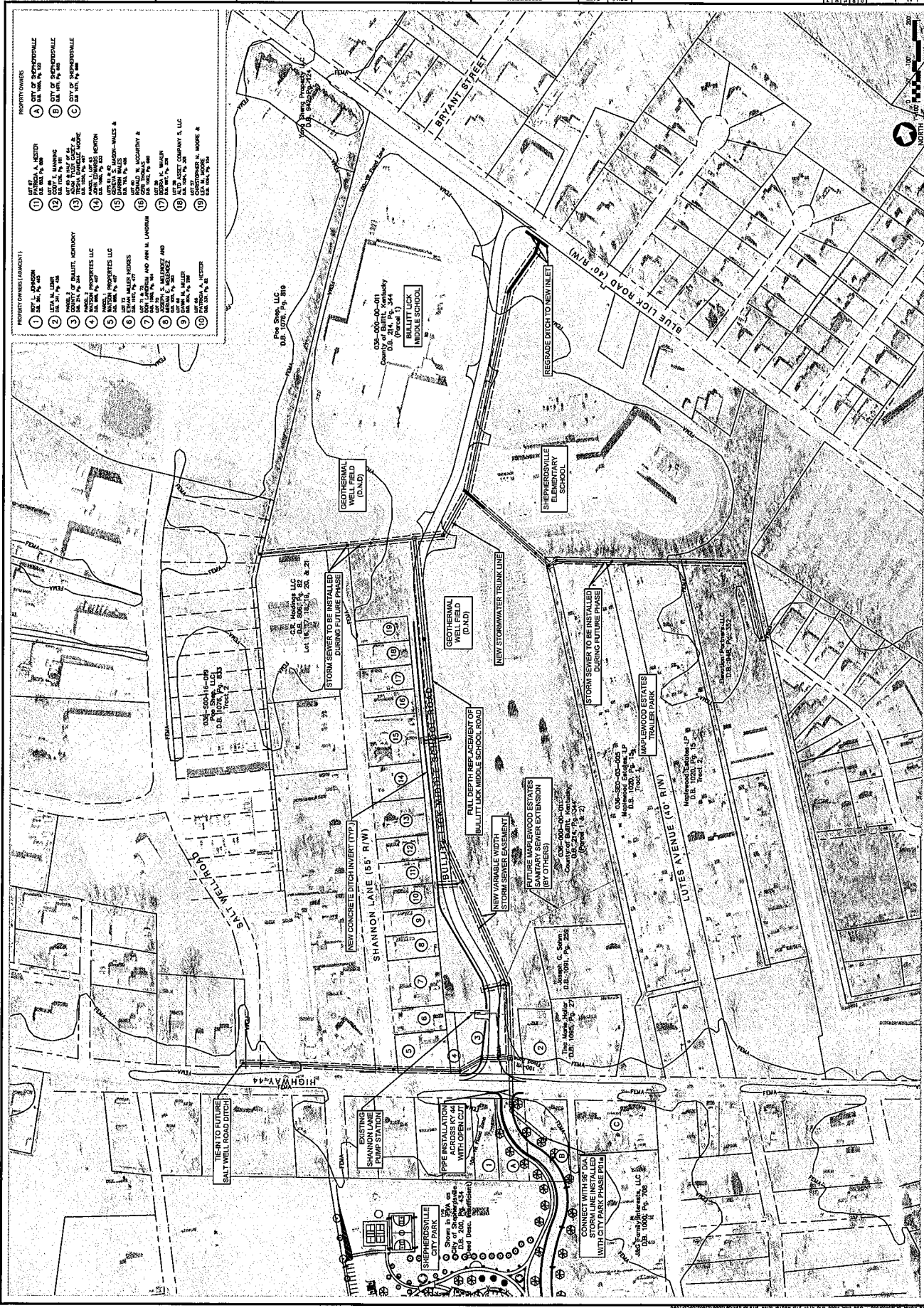
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REV#	DATE	DESCRIPTION

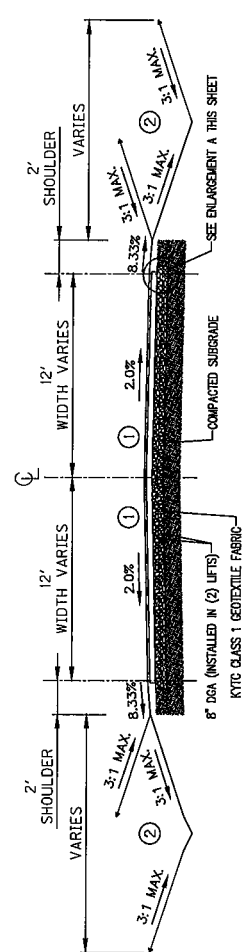
City of Shepherdsville
 443 Carnegie Parkway
 Shepherdsville, KY 40165


Engineering
 Planning
 Kentucky - Tennessee
 Louisville - Cincinnati
 WWW.KAC.COM

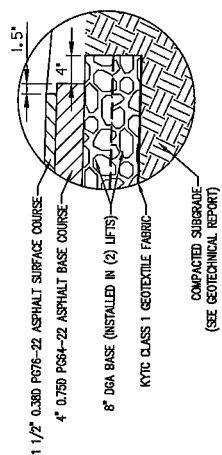



- PROPERTY OWNERS (AS SHOWN)**
- 1. BRYANT STREET, LLC
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 - 20. BRYANT STREET, LLC

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 20. 1" = 10' (Vertical)



**Bullitt Lick Middle School Road
Asphalt Pavement
STA. 10+00 TO STA. 32+01**



KEYNOTES (Typical Section)

1. 1.0% MINIMUM WITH 2.0% TYPICAL CROSS SLOPES.
2. SEE CROSS SECTIONS FOR SLOPES, DIRECTIONS, AND DITCH TYPES.

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C39	STORM SEWER PLAN & PROFILE - LINE 7	
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C52	GRADING PLAN - ENLARGEMENTS	
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C63	ROADWAY CROSS SECTIONS	
C64	ROADWAY CROSS SECTIONS	
C65	ROADWAY CROSS SECTIONS	
C71	EPSC PLAN	
C72	EPSC DETAILS	
C81	SITE DETAILS	
C82	SITE DETAILS	

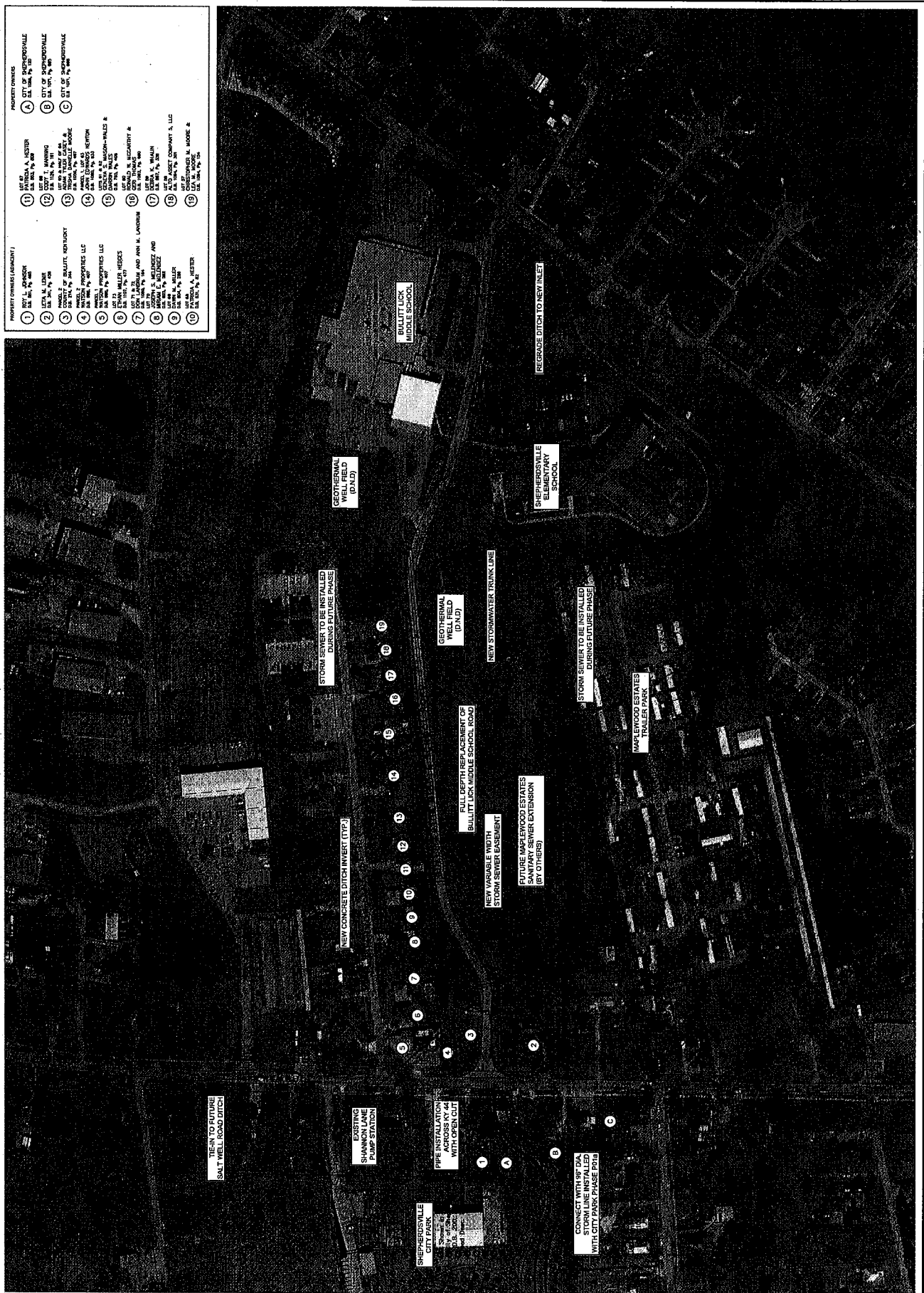
THE CONTRACTOR IS INSTRUCTED TO CALL 1-800-752-6007 TO REACH KY 811. THE ONE-CALL SYSTEM FOR INFORMATION ON THE LOCATION OF EXISTING UNDERGROUND UTILITIES. THE CALL IS TO BE PLACED A MINIMUM OF 48 HOURS BEFORE THE START OF THE WORK. THE CONTRACTOR SHALL BE AWARE THAT OTHERS ARE ALSO USING THE ONE-CALL SYSTEM. THE CONTRACTOR SHOULD BE AWARE THAT OTHERS OF UNDERGROUND FACILITIES ARE NOT REQUIRED TO BE A MEMBER OF THE KY 811 ONE-CALL BEFORE-DIG (BUD) SERVICE. THE CONTRACTOR MUST COORDINATE MEMBERSHIP WITH THE UTILITY OWNERS, INCLUDING THOSE WHO DO NOT SUBSCRIBE TO KY 811. IT MAY BE NECESSARY FOR THE CONTRACTOR TO CONTACT THE COUNTY COURT CLERK TO DETERMINE WHICH UTILITY COMPANIES HAVE FACILITIES IN THE AREA.

Blue Lick Road Drainage & Sanitary Sewer
 Improvement Project Phase Two
 555 W. Blue Lick Road
 Shepherdsville, KY 40165

REV#	DATE	DESCRIPTION

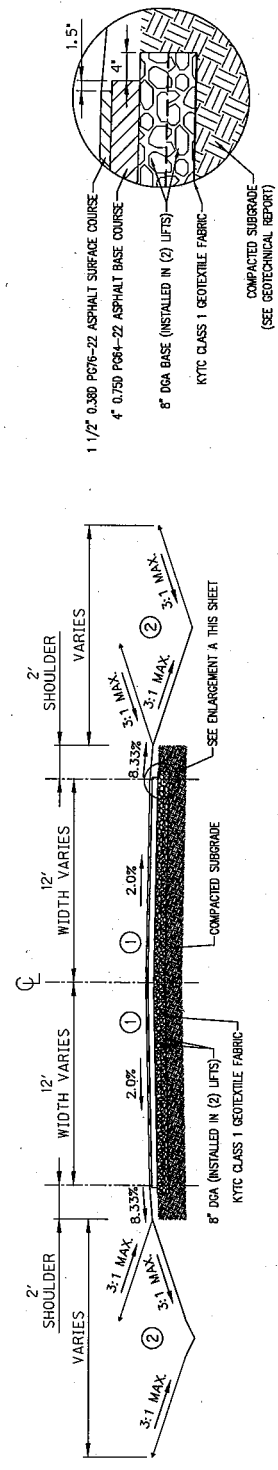
City of Shepherdsville
 411 Cambridge Parkway
 Shepherdsville, KY 40165

Engineering
 Planning
 www.ckk.com
 Kentucky - Indiana
 Georgia - Tennessee
 502.655.2222



- PROPERTY OWNERS (CURRENT)
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Enlargement A



- KEYNOTES (Typical Section)**
1. SEE ENLARGEMENT A FOR CROSS SLOPES.
 2. SEE CROSS SECTION FOR SLOPE, DRAINAGE, AND DITCH TYPES.

**Bullitt Lick Middle School Road
 Asphalt Pavement
 STA. 10+00 TO STA. 32+01**



GENERAL LAYOUT NOTES

A. CONTRACTOR SHALL VERIFY GRADE ELEVATIONS OF ALL EXISTING CATCH BASINS, MANHOLES, AND STRUCTURES. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO OWNER'S ENGINEER IMMEDIATELY.

B. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY ITEMS DAMAGED DURING CONSTRUCTION, INCLUDING PLANT MATERIAL NOT DESIGNATED FOR REMOVAL.

C. ANY DISCREPANCIES ARE FOUND BETWEEN ONE SHEET, CONTRACTOR SHALL NOTIFY OWNER AND FIELD REPRESENTATIVE IMMEDIATELY BY E-MAIL.

D. THE LOCATION OF UNDERGROUND UTILITIES SHOWN ARE BASED ON EXISTING RECORDS AND AVAILABLE PLANS. EXISTING UTILITIES, THE EXISTING LOCATION OF UTILITIES, AND RELIABLE DIGITIZED, OTHER UTILITIES MAY EXIST AND NOT BE SHOWN HEREON.

DATUM INFO

THE BEARING DATUM FOR THIS TOPOGRAPHY IS BASED ON NAD83 (2011). ELEVATIONS BASED ON NAVD83, GRID 12B.

FLOODPLAIN NOTE

THE 100-YEAR FLOOD PLAIN AREA, AS INDICATED BY THE FLOOD INSURANCE RATE MAP NO. 25080C001F AND 25080C001F, DATED 4/5/2016.

LEGEND

EXISTING	PROPOSED
RIGHT OF WAY	ADJACENT PROPERTY LINE
PROPERTY CORNER (POW PM)	PROPERTY CORNER (PFC)
BORING LOCATION	100-YR FLOODPLAIN
MAJOR CONTOUR	MINOR CONTOUR
SEW	FLAG POLE
TREE	BOLLARD
OVERHEAD ELECTRIC & TELEPHONE	UNDERGROUND ELECTRIC
UNDERGROUND ELECTRIC	UNDERGROUND TELEPHONE

LEGEND

EXISTING	PROPOSED
ELECTRIC METER	UNKNOWN MANHOLE
ELECTRIC JUNCTION BOX	STORM SEWER PIPE
ELECTRIC MANHOLE	STORM SEWER MANHOLE
ELECTRIC POWER POLE	STORM SEWER JUNCTION BOX
ELECTRIC LIGHT POLE	STORM SEWER JUNCTION BOX
ELECTRIC CITY WIRE ANCHOR	STORM SEWER JUNCTION BOX
WATER LINE	STORM SEWER JUNCTION BOX
WATER FIRE HYDRANT	STORM SEWER JUNCTION BOX
WATER METER	STORM SEWER JUNCTION BOX
WATER VALVE	STORM SEWER JUNCTION BOX
SANITARY SEWER PIPE	STORM SEWER JUNCTION BOX
SANITARY SEWER FORCE MAIN	STORM SEWER JUNCTION BOX
SANITARY PUMP STATION	STORM SEWER JUNCTION BOX
SAN. SEWER MANHOLE	STORM SEWER JUNCTION BOX
SAN. SEWER CLEANOUT	STORM SEWER JUNCTION BOX

PROPERTY OWNERS

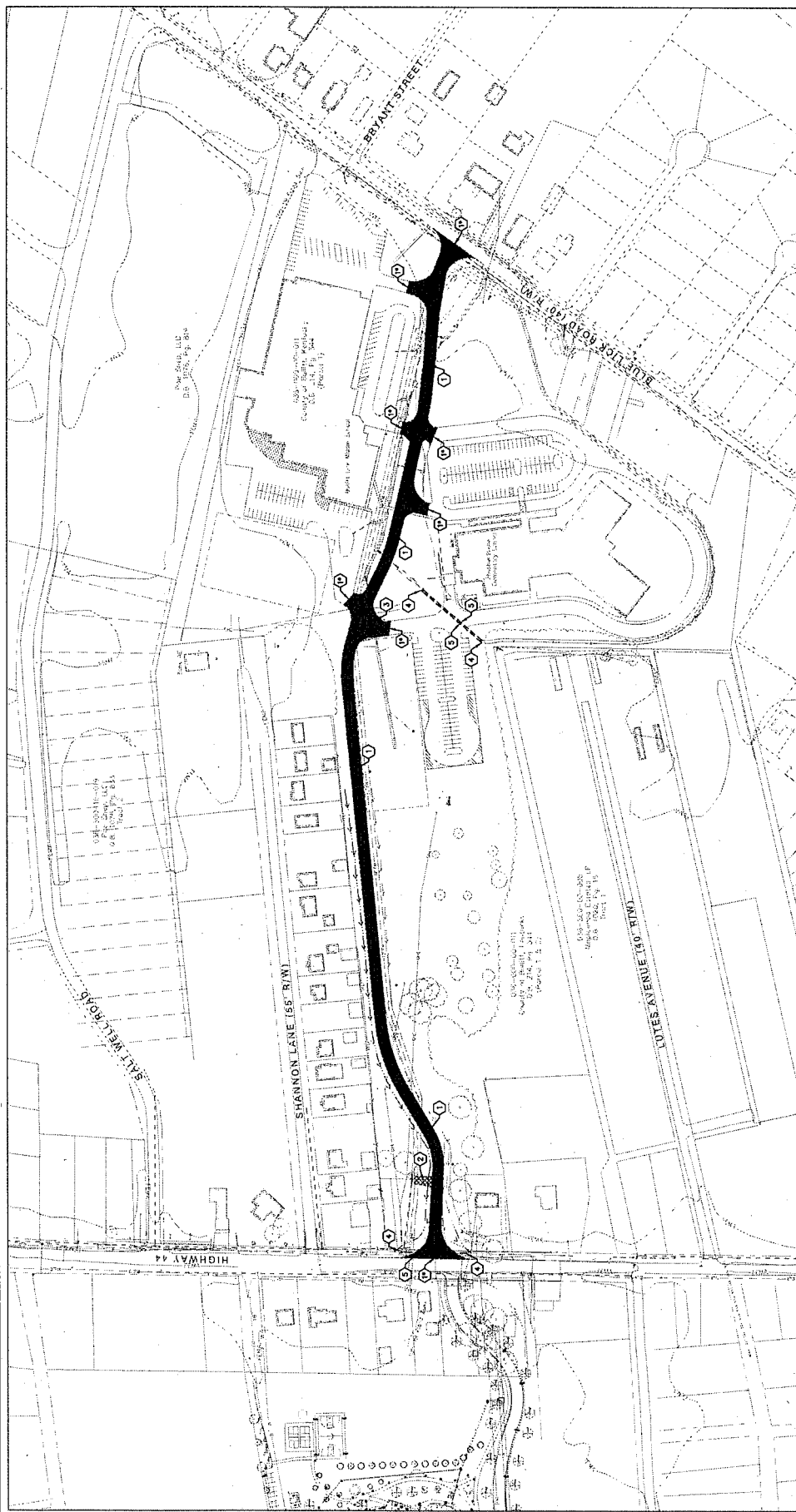
NO.	OWNER	ADDRESS
1	JOHN A. ANDERSON	100 W. 100 N. 100
2	JOHN A. ANDERSON	100 W. 100 N. 100
3	JOHN A. ANDERSON	100 W. 100 N. 100
4	JOHN A. ANDERSON	100 W. 100 N. 100
5	JOHN A. ANDERSON	100 W. 100 N. 100
6	JOHN A. ANDERSON	100 W. 100 N. 100
7	JOHN A. ANDERSON	100 W. 100 N. 100
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14	JOHN A. ANDERSON	100 W. 100 N. 100
15	JOHN A. ANDERSON	100 W. 100 N. 100

Blue Lick Road Drainage & Sanitary Sewer
 Improvement Project Phase Two
 553 W. Blue Lick Road
 Shepherdsville, KY 40105

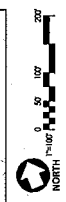
REV#	DATE	DESCRIPTION

City of Shepherdsville
 Atty. General's Office
 500 E. Main Street
 Shepherdsville, KY 40105

Engineering
 Planning
 www.ckd.com
 Kentucky • Indiana
 Georgia • Tennessee
 9820 Oxonshire Campus Drive, Suite 1000, Louisville, Kentucky 40223 Phone: 502-555-2222



- GENERAL NOTES**
- CONTRACTOR SHALL VERIFY GRADE ELEVATIONS OF ALL EXISTING CATCH BASINS, STORM SEWER LINES, AND PROPOSED LINES. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ANY EXISTING MATERIAL NOT DESIGNATED FOR REMOVAL.
 - IF ANY DISCREPANCIES ARE FOUND BETWEEN CIVIL SHEETS, CONTRACTOR SHALL VERIFY GRADE ELEVATIONS OF ALL EXISTING CATCH BASINS, STORM SEWER LINES, AND PROPOSED LINES. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ANY EXISTING MATERIAL NOT DESIGNATED FOR REMOVAL.
 - THE LOCATION OF UNDERGROUND UTILITIES SHOWN ARE BASED ON OBSERVED EVIDENCE AND AVAILABLE PLANS. LOOKING EXCAVATION, BEING COMPLETED, AND RELIABLY REPORTED. OTHER UTILITIES MAY EXIST AND NOT BE SHOWN HEREON.
- KEYNOTES**
- REMOVE EXISTING ASPHALT PAVEMENT TO LIMITS INDICATED BY HATCH FOLLOWING THE COMPLETION OF ALL PROPOSED PIPE AND STRUCTURE. * SAWCUT ALONG LINE INDICATED ON PLAN.
 - REMOVE EXISTING GRAVEL PAVEMENT TO LIMITS INDICATED BY HATCH.
 - REMOVE EXISTING STORM MANHOLE WHERE INDICATED ON PLAN. RECONNECT EXISTING PIPES TO PROPOSED STORM MANHOLE AS SHOWN ON THE STORM SEWER PLAN & PROFILE SHEET.
 - REMOVE EXISTING HEADWALL WHERE INDICATED ON PLAN.
 - REMOVE EXISTING STORM PIPE WHERE INDICATED ON PLAN.
- LEGEND**
- REMOVE ASPHALT PAVEMENT
 - REMOVE GRAVEL PAVEMENT





SUMMARY OF HYDROLOGIC CALCULATIONS

RAINFALL INTENSITY VALUES OBTAINED FROM NOAA POINT PRECIPITATION
FREQUENCY ESTIMATE FOR SHEPHERDVILLE, KY (ACCESSED MARCH 21, 2025)

DURATION	2-YR	5-YR	10-YR	25-YR	50-YR	100-YR
1-MINUTE	5.16	5.02	4.72	4.26	3.30	2.54
5-MINUTE	2.27	2.22	2.08	1.84	1.44	1.11
30-MINUTE	1.41	1.37	1.27	1.08	0.84	0.65
60-MINUTE	1.26	1.22	1.13	0.95	0.74	0.57

TIME OF CONCENTRATION: 10 MINUTES
PEAK FLOW CONCENTRATION: 1.0 CFS PER ACRE
RUNOFF COEFFICIENTS:
C = 0.85
C = 0.25
DESIGN STORMWATER EXTENSIONS FOR AUTODESK CIVIL 3D 2025

LEGEND

- PROPOSED PHASE TWO DRAINAGE AREA (41.87 ACRES)
- FUTURE DRAINAGE AREA
- POTENTIAL FUTURE DRAINAGE AREA FROM ROADWAY IMPROVEMENTS (56.74 ACRES)

GENERAL DESIGN NOTES

- THE PROPOSED PHASE TWO DRAINAGE AREA REPRESENTS THE AREA THAT WILL EVENTUALLY BE ROUTED TO THE STORM SEWER SYSTEM DURING A FUTURE PHASE OF THE PROJECT. THIS PROJECT WILL DRAIN TO THE PROPOSED STORM SEWER UNDER EXISTING CONDITIONS OR CAN BE ROUTED TO THE STORM SEWER SYSTEM WITH ADDITIONAL DRAINAGE IMPROVEMENTS.
- THE FUTURE DRAINAGE AREA REPRESENTS THE AREA THAT WILL EVENTUALLY BE ROUTED TO THE STORM SEWER SYSTEM DURING A FUTURE PHASE OF THE PROJECT.
- THE FUTURE DRAINAGE AREA FROM ROADWAY IMPROVEMENTS REPRESENTS THE ANTICIPATED DRAINAGE AREA TO THE STORM SEWER SYSTEM IF ROADWAY IMPROVEMENTS TO WEST BLUE LICK ROAD AND KY 44 ARE IMPLEMENTED.
- THE FUTURE DRAINAGE AREA WAS DETERMINED TO HAVE THE CAPACITY FOR STORMWATER RANOFF FROM THE PROPOSED PHASE TWO DRAINAGE AREA, THE FUTURE DRAINAGE AREA, AND THE POTENTIAL FUTURE DRAINAGE AREA.
- THE PROPOSED STORM SEWER WILL BE AN EXISTING 60" STORM SEWER THAT WAS INSTALLED AS PART OF THE SHEPHERDVILLE CITY PARK PHASE 1A (NORTH) PROJECT.



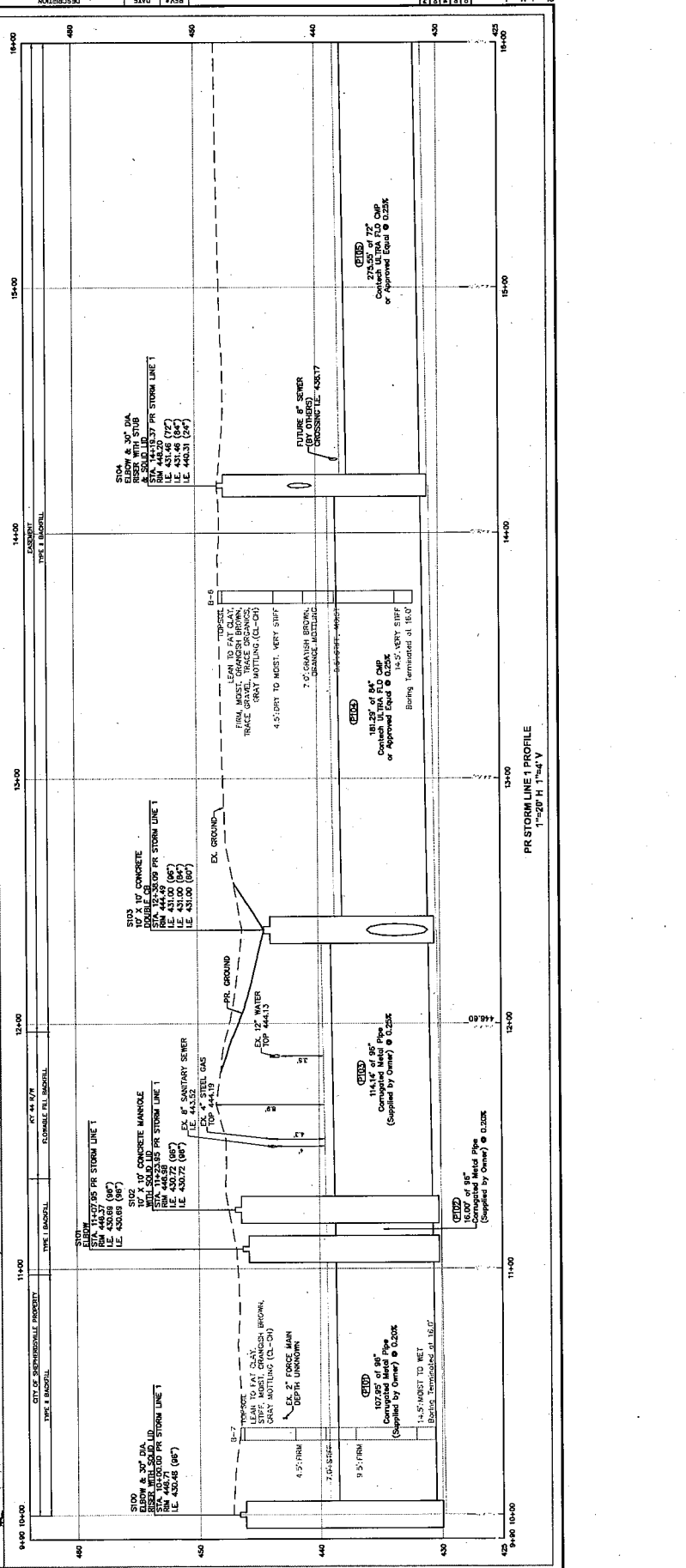
GENERAL NOTES

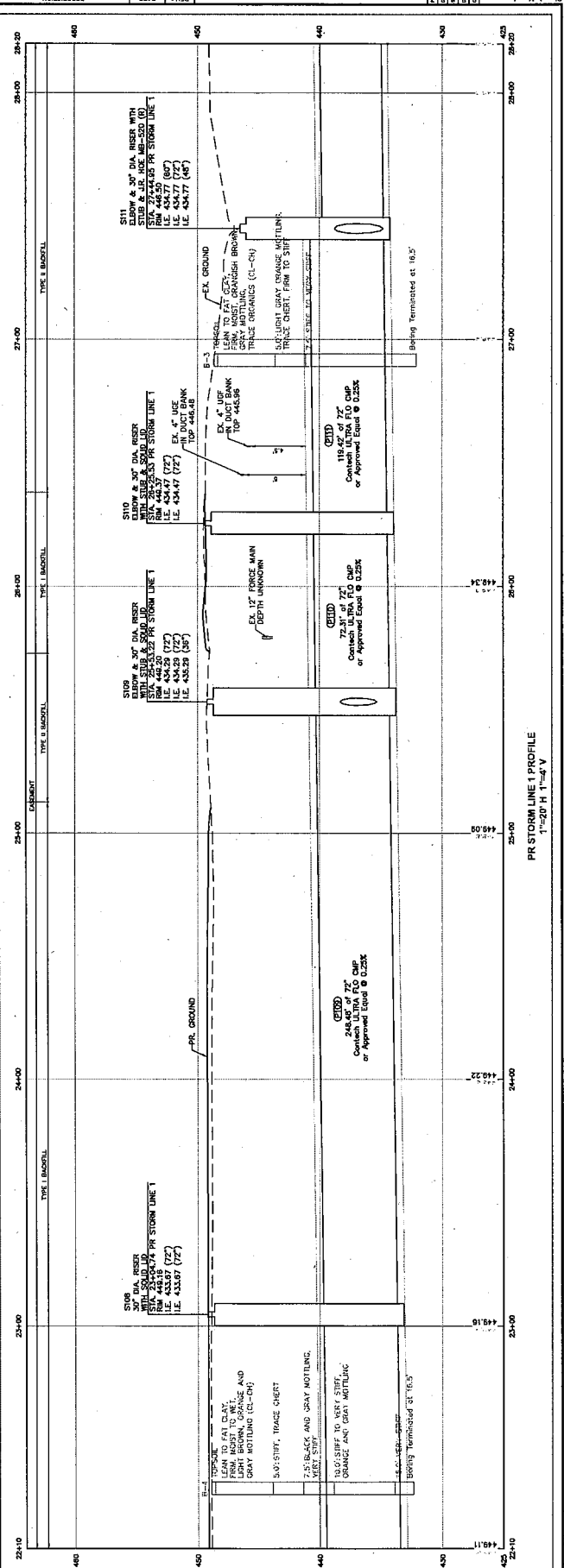
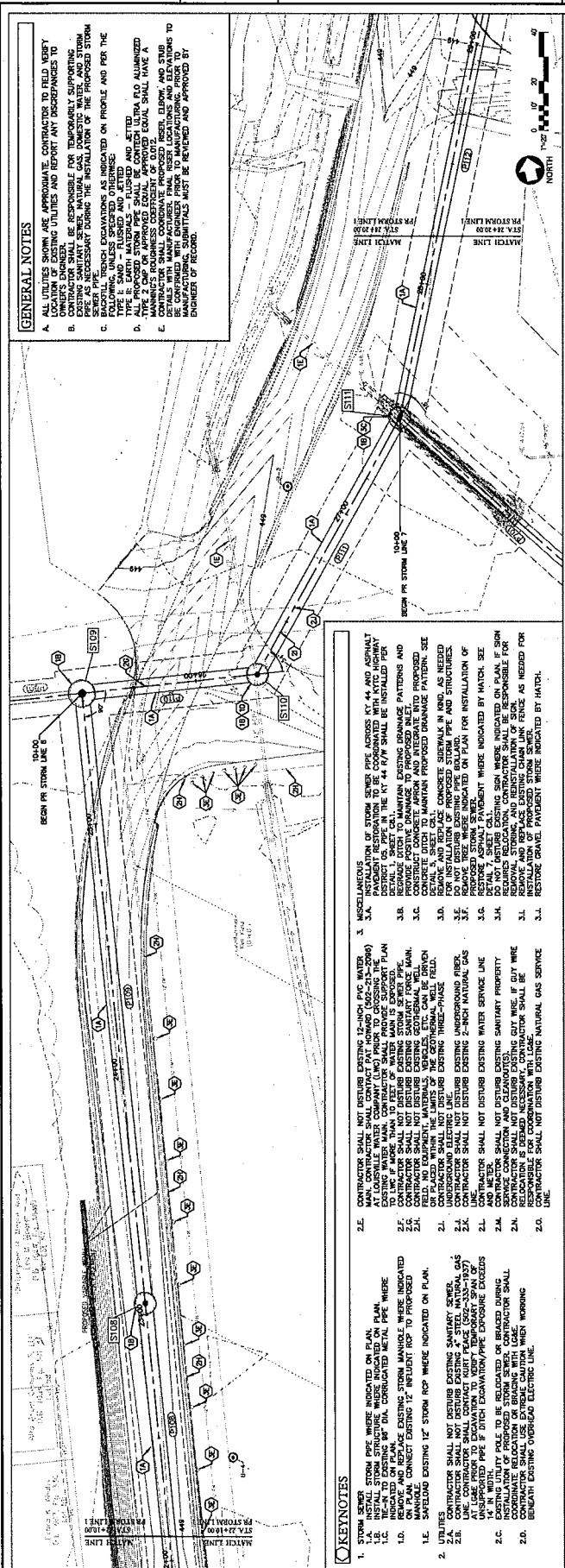
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LEGEND

 PROPOSED PHASE TWO DRAINAGE AREA
 FUTURE DRAINAGE AREA
 POTENTIAL FUTURE DRAINAGE AREA FROM
 TIME OF CONCENTRATION PATH

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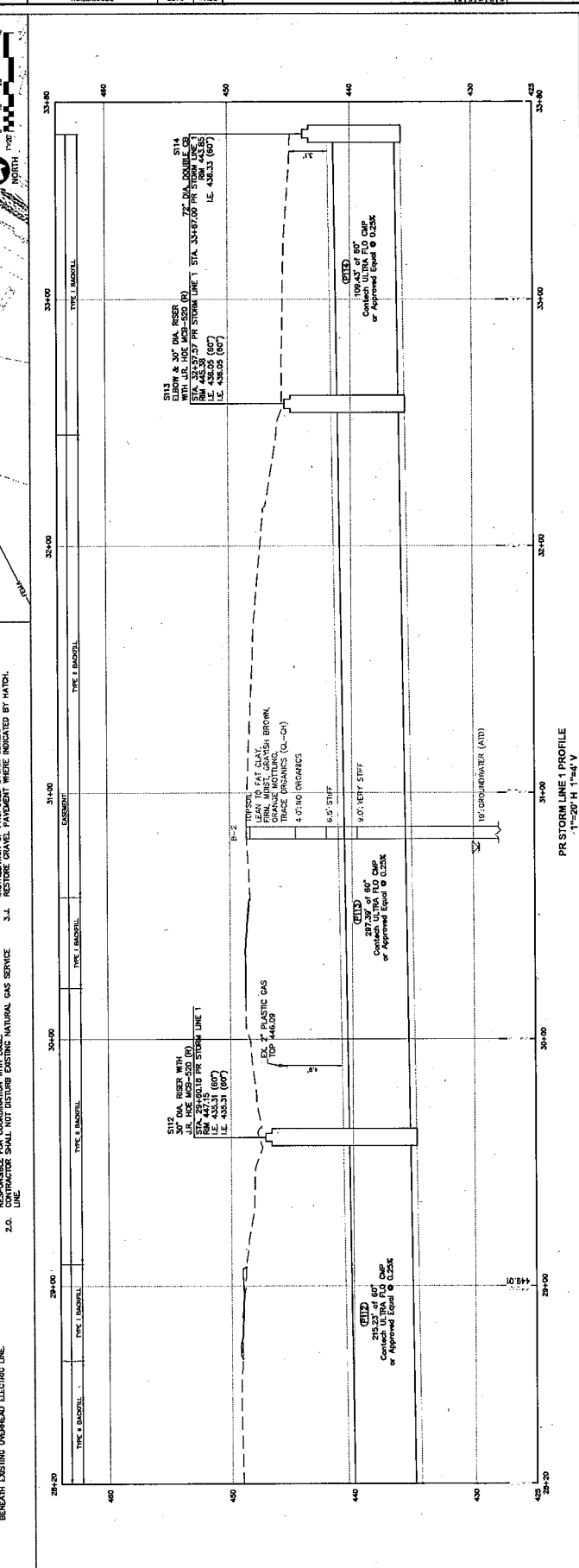
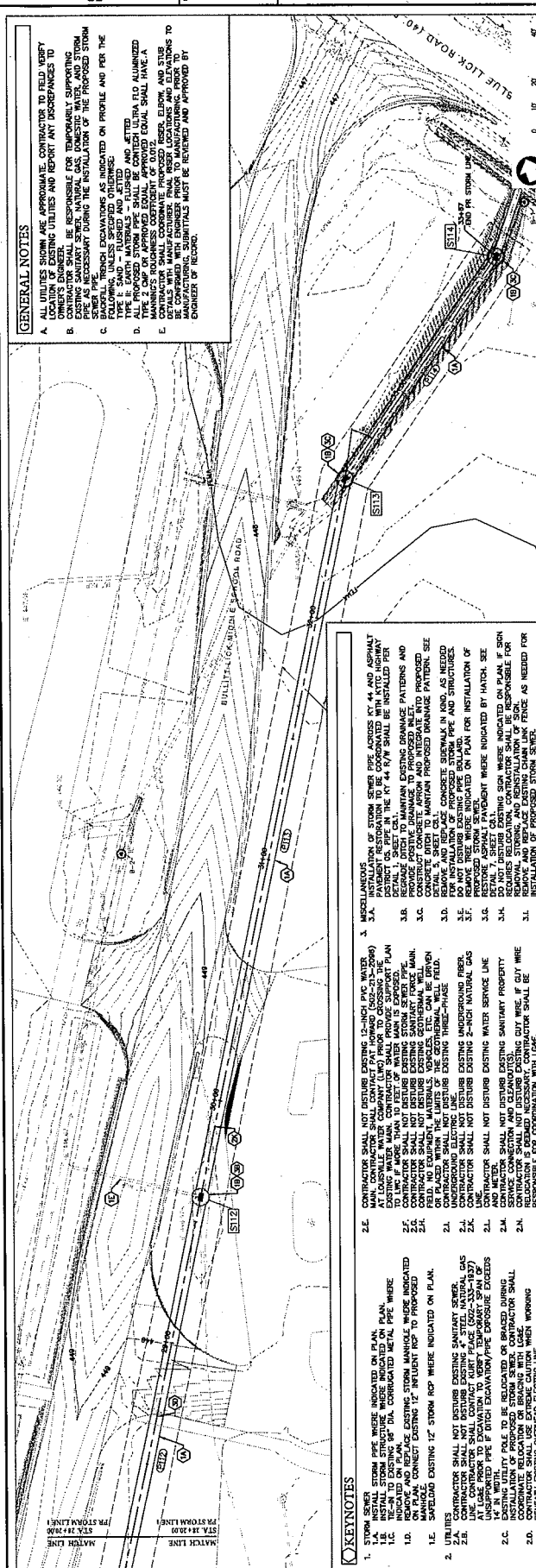


GENERAL NOTES

- ALL UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY ALL UTILITIES AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARILY SUPPORTING EXISTING UTILITIES DURING THE INSTALLATION OF THE PROPOSED STORM SEWER.
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- CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARILY SUPPORTING EXISTING UTILITIES DURING THE INSTALLATION OF THE PROPOSED STORM SEWER.

KEYNOTES

- CONTRACTOR SHALL NOT DISTURB EXISTING SANITARY SEWER. CONTRACTOR SHALL NOT DISTURB EXISTING SANITARY SEWER. CONTRACTOR SHALL NOT DISTURB EXISTING SANITARY SEWER. CONTRACTOR SHALL NOT DISTURB EXISTING SANITARY SEWER. CONTRACTOR SHALL NOT DISTURB EXISTING SANITARY SEWER.
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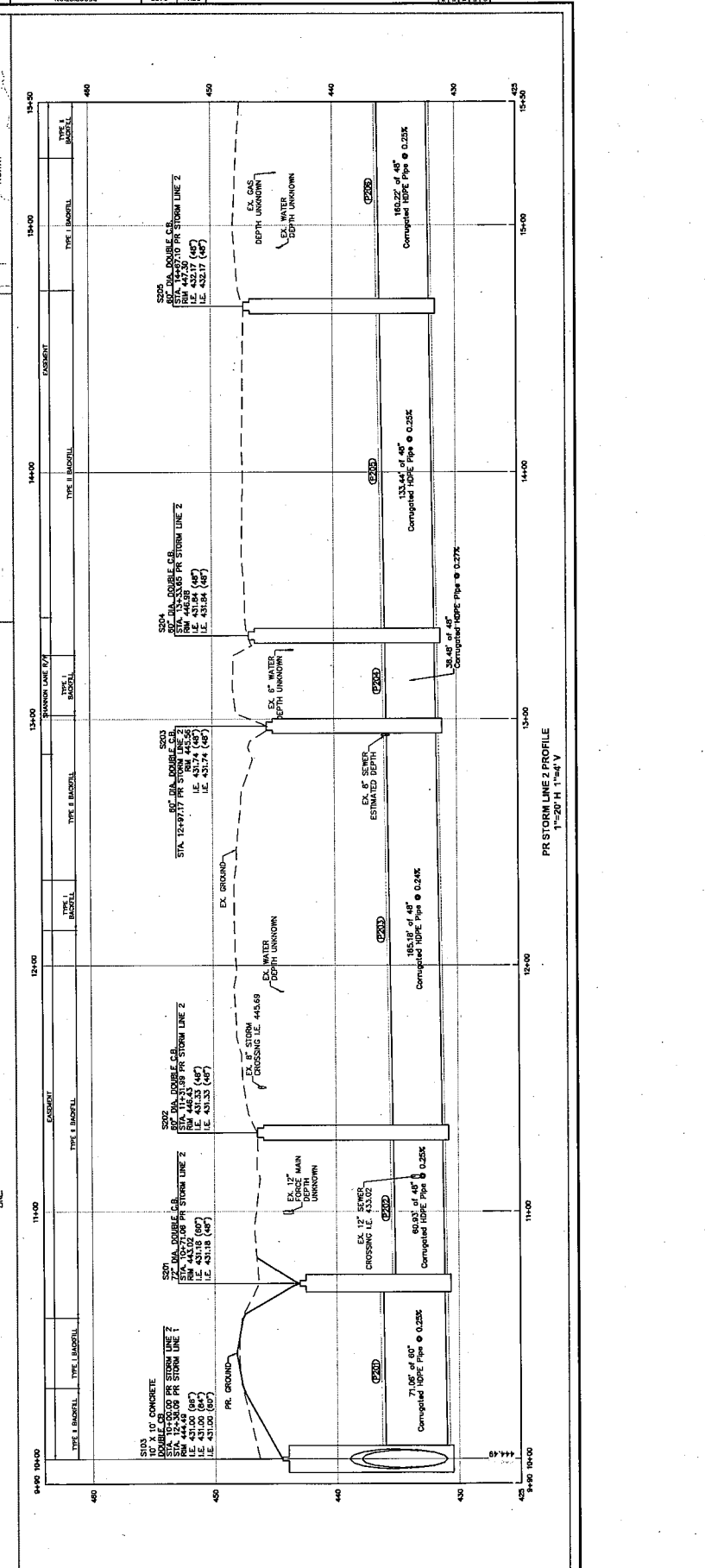


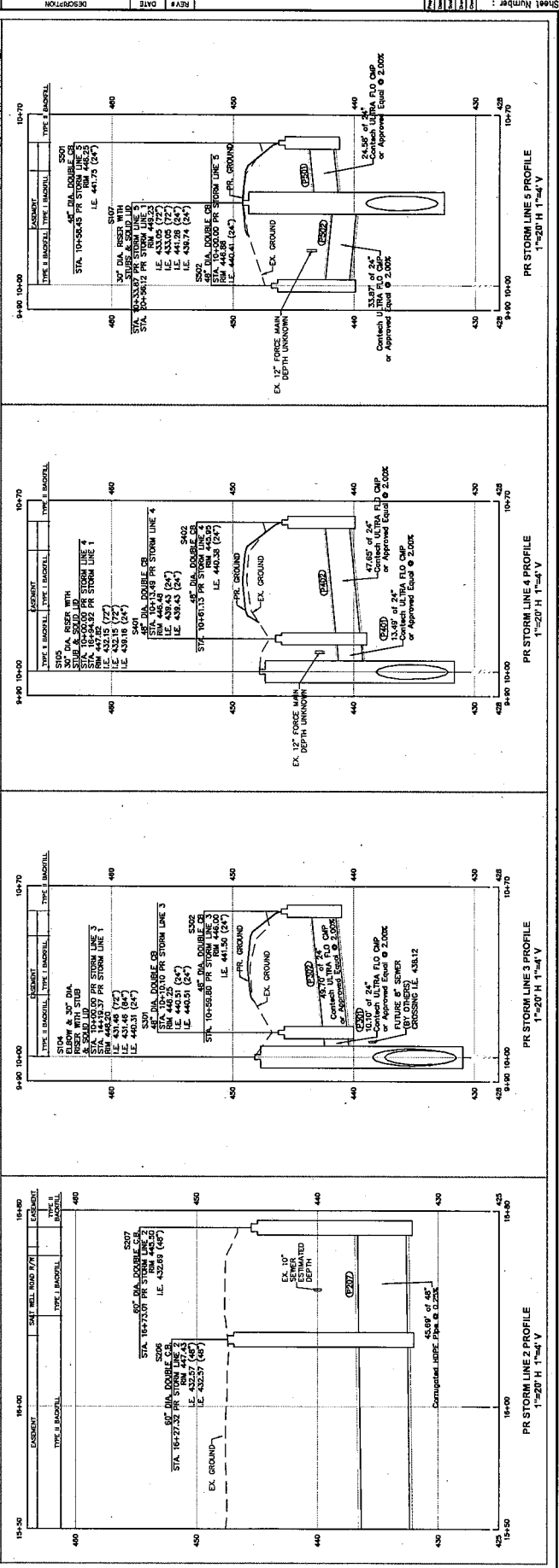
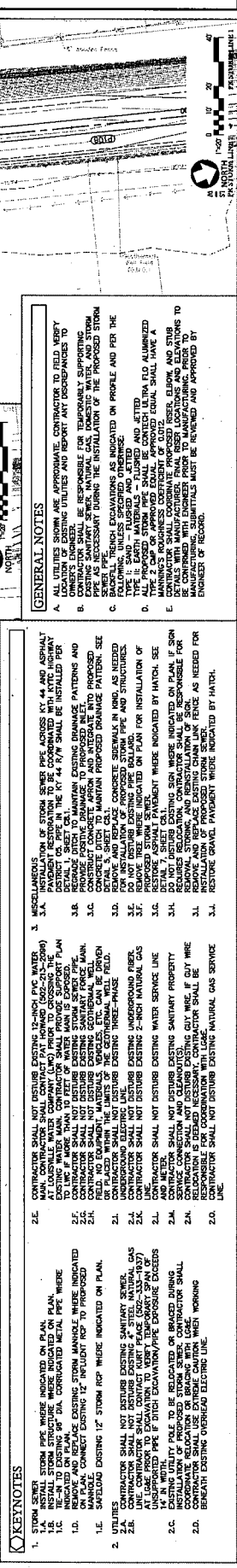
GENERAL NOTES

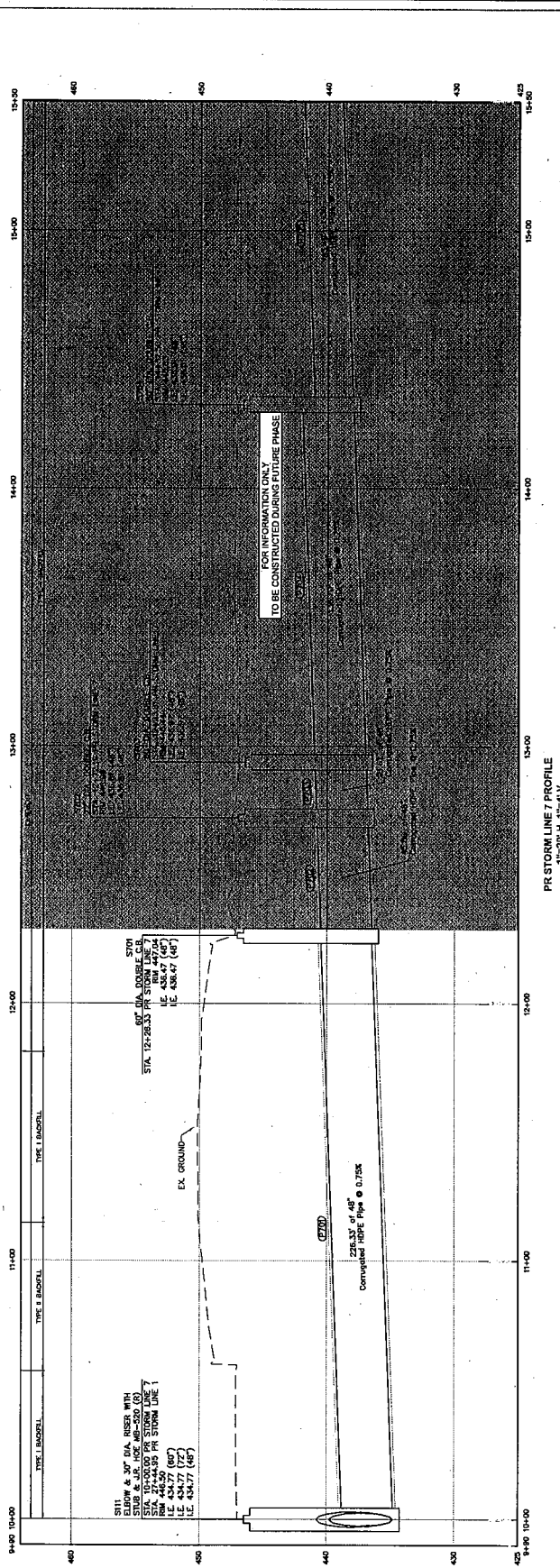
- ALL UTILITIES SHOWN ARE BASED ON THE MOST RECENT RECORDS AVAILABLE TO THE ENGINEER. THE ENGINEER HAS CONDUCTED VISUAL INSPECTIONS OF THE EXISTING STORM SEWER AND SANITARY SEWER SYSTEMS. THE ENGINEER HAS NOT CONDUCTED ANY OTHER INVESTIGATIONS OR TESTS TO VERIFY THE ACCURACY OF THE RECORDS. THE ENGINEER HAS NOT CONDUCTED ANY OTHER INVESTIGATIONS OR TESTS TO VERIFY THE ACCURACY OF THE RECORDS.
- THE EXISTING STORM SEWER AND SANITARY SEWER SYSTEMS ARE LOCATED UNDER THE ROADWAY. THE EXISTING STORM SEWER AND SANITARY SEWER SYSTEMS ARE LOCATED UNDER THE ROADWAY.
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KEYNOTES

- STORM SEWER
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1.2. INSTALL STORM SEWER WHERE INDICATED ON PLAN.
1.3. INSTALL STORM SEWER WHERE INDICATED ON PLAN.
- STORM SEWER
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- STORM SEWER
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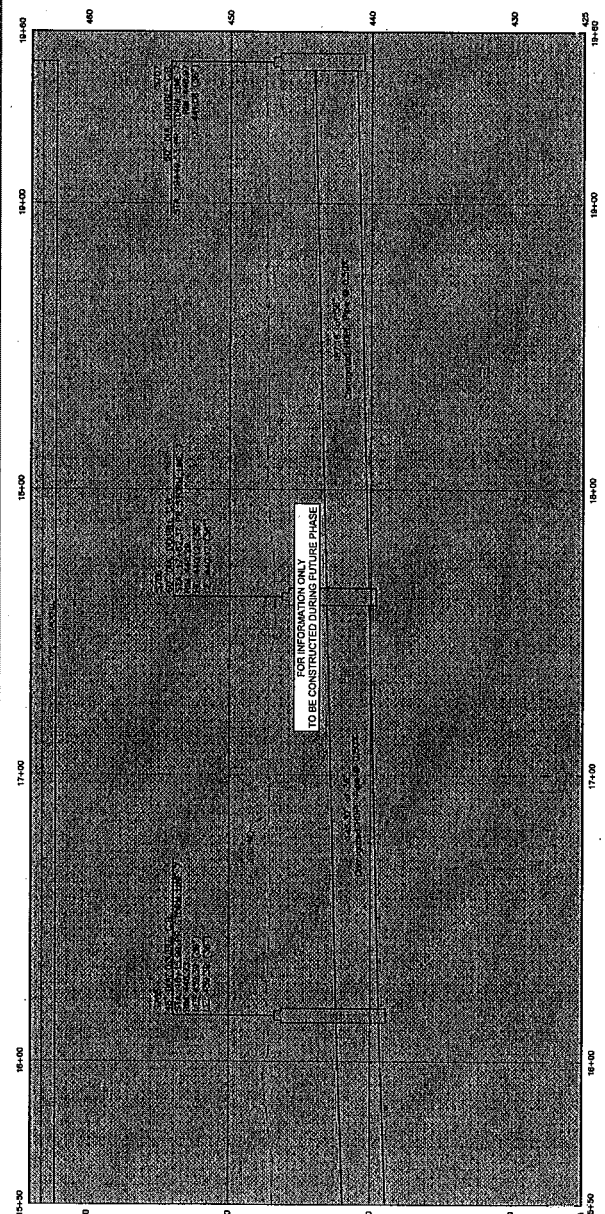






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FOR INFORMATION ONLY
TO BE CONSIDERED DURING FUTURE PHASE



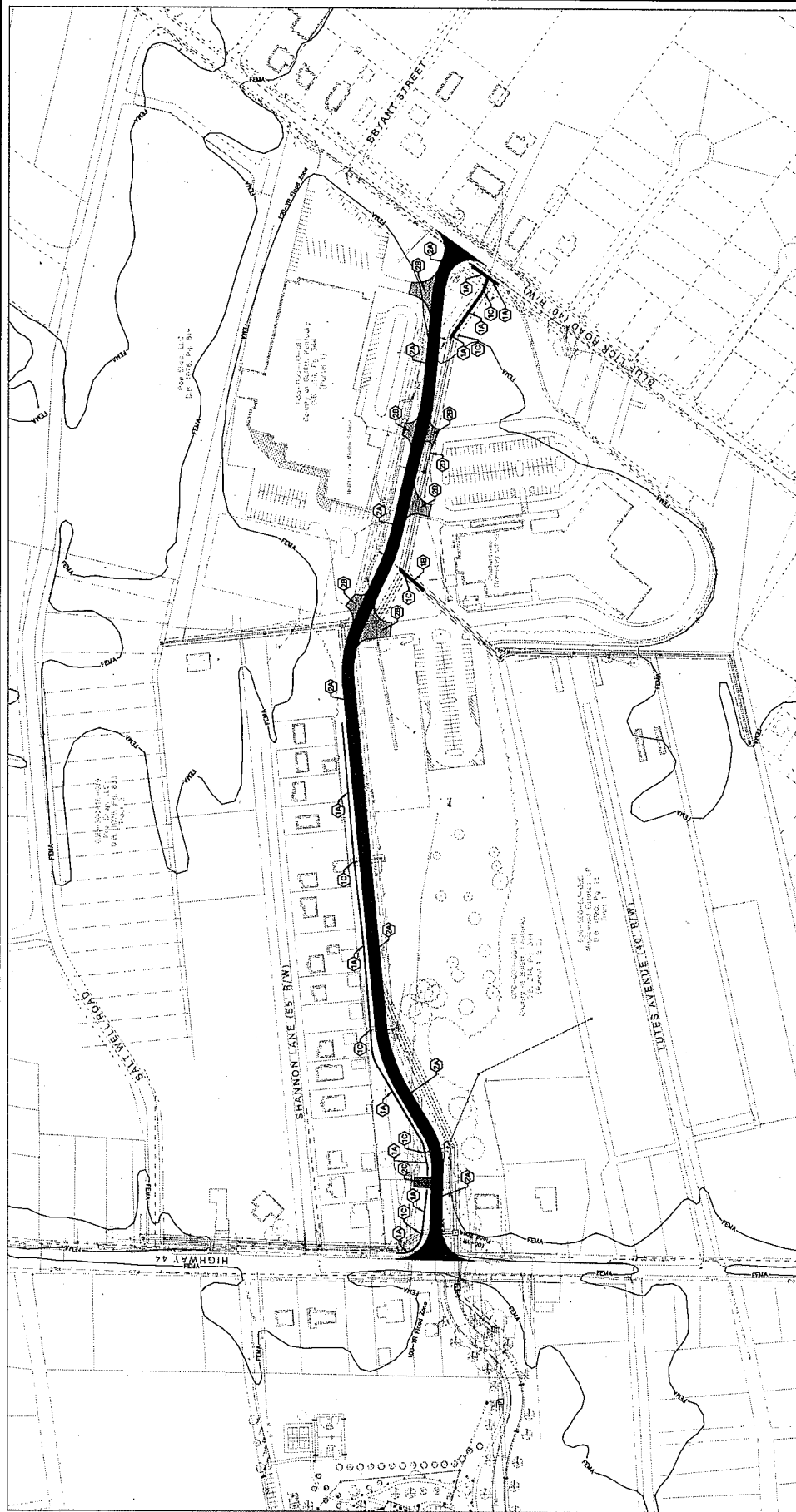
1"=20' H 1"=4' V

Blue Lick Road Drainage & Sanitary Sewer
 Improvement Project Phase Two
 855 W. Blue Lick Road
 Shepherdsville, KY 40165

REV#	DATE	DESCRIPTION

City of Shepherdsville
 815 Campbell Parkway
 Shepherdsville, KY 40165

Engineering
 Planning
 Kentucky - Tennessee
 www.ckd.com



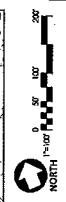
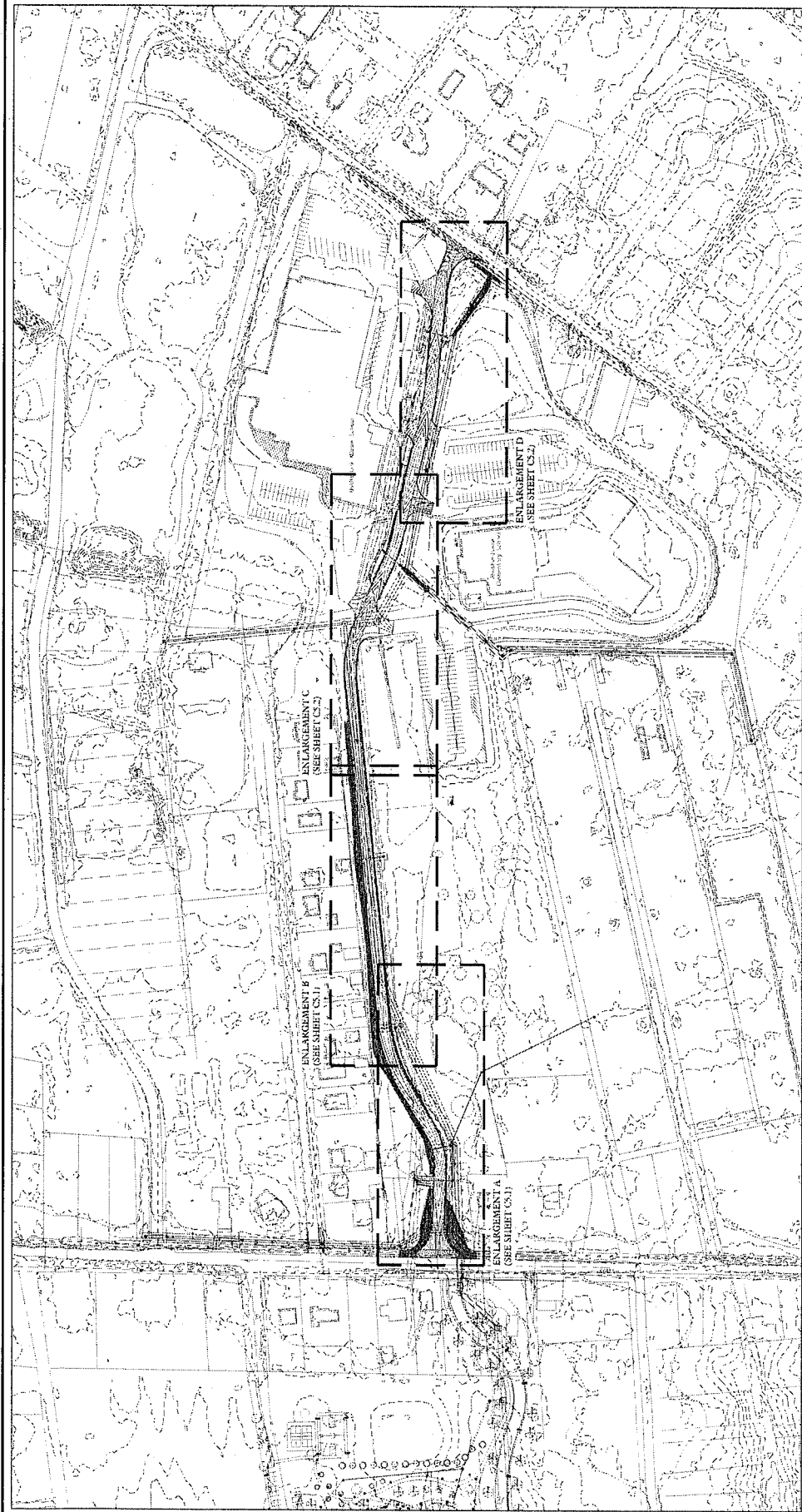
- KEYNOTES (Site Layout)**
1. DRAINAGE CONSTRUCTION:
 - 1.A. CONSTRUCT ASPHALT DRIVEWAY WHERE INDICATED ON PLAN. SEE DETAIL 1.1.
 - 1.B. CONSTRUCT 18" RAS-BOTTOM CONCRETE DITCH WHERE INDICATED ON PLAN. SEE GRADING ENLARGEMENTS, SHEETS C3.1-C3.2, AND DETAIL 1.1.
 - 1.C. CONSTRUCT CONCRETE APRON AND INTEGRATE INTO PROPOSED DITCH TO MAINTAIN PROPOSED DRAINAGE PATTERN. SEE DETAIL 1.2.
 2. ROADWAY CONSTRUCTION:
 - 2.A. CONSTRUCT ASPHALT DRIVEWAY WHERE INDICATED ON PLAN BY HATCH. SEE TYPICAL SECTION, SHEET C0.2, ROADWAY PLAN & PROFILE.
 - 2.B. CONSTRUCT ASPHALT DRIVEWAY WHERE INDICATED ON PLAN BY HATCH. SEE TYPICAL SECTION, SHEET C0.2, ROADWAY PLAN & PROFILE.
 - 2.C. BY HATCH. SEE DETAIL 1.1, SHEET C0.1.
- LEGEND**
- 1. BUILT-UP LICK MIDDLE SCHOOL ROAD ASPHALT PAVEMENT (SEE DETAIL 2, SHEET C0.1)
 - 2. ASPHALT PAVEMENT ENTRANCE (SEE DETAIL 2, SHEET C0.1)
 - 3. GRAVEL PAVEMENT (SEE DETAIL 3, SHEET C0.1)

Blue Lick Road Drainage & Sanitary Sewer
 Improvement Project Phase Two
 555 W. Blue Lick Road
 Shepherdsville, KY 40155

REV	DATE	DESCRIPTION

City of Shepherdsville
 1150 Corporate Center Drive, Suite 100, Louisville, Kentucky 40223 Phone: 502-585-2222
 1150 Corporate Center Drive, Suite 100, Louisville, Kentucky 40223 Phone: 502-585-2222

Engineering
 Planning
 www.ok4.com

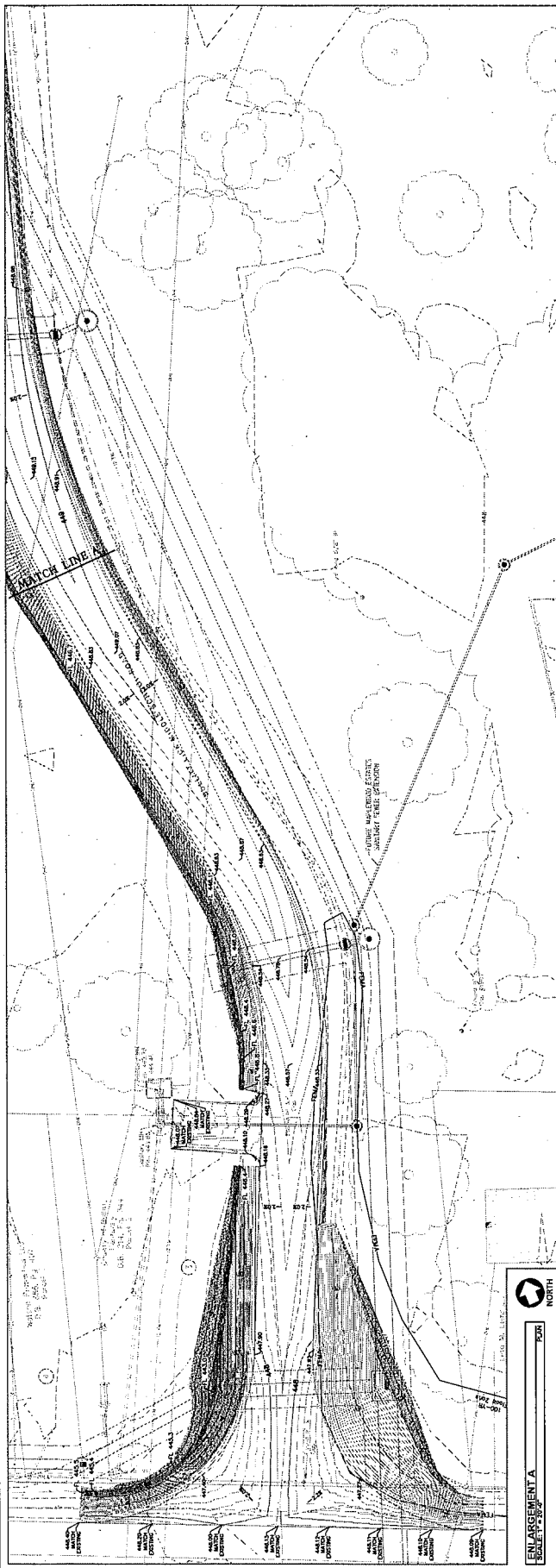
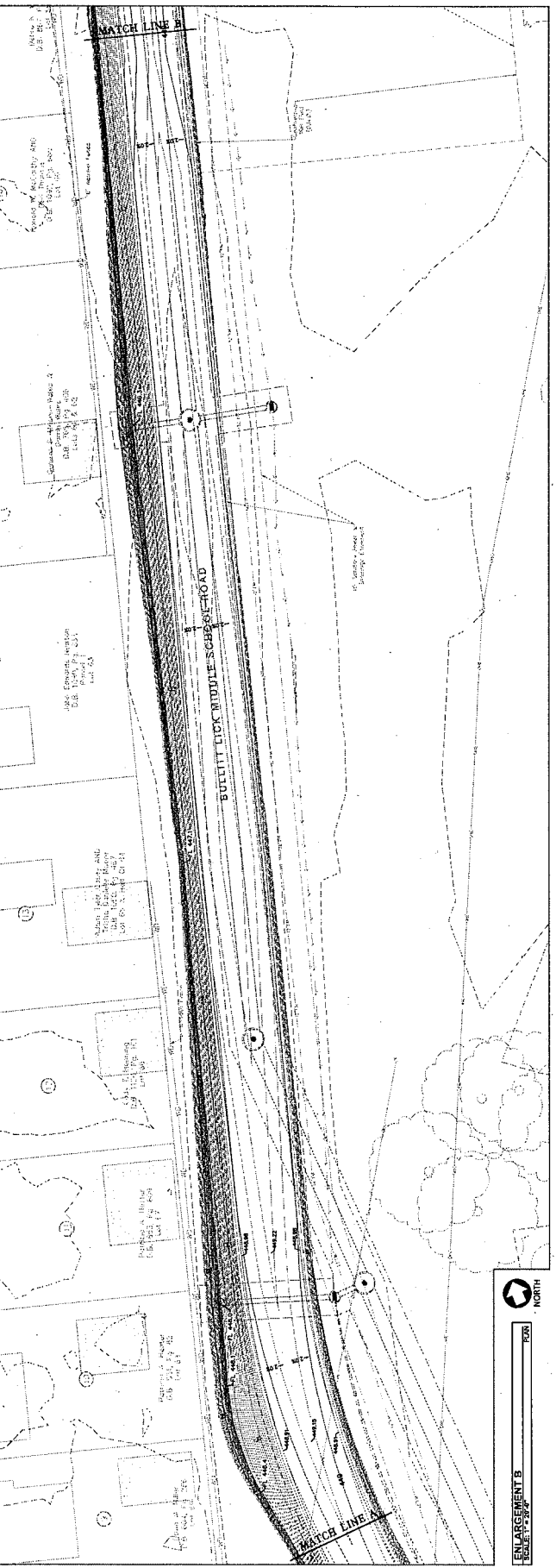


Blue Lick Road Drainage & Sanitary Sewer
 Improvement Project Phase Two
 555 W. Blue Lick Road
 Shepherdsville, KY 40165

REV#	DATE	DESCRIPTION

City of Shepherdsville
 415 Centerville Parkway
 Shepherdsville, KY 40165

Engineering
 Planning
 www.CKD.com
 502.585.2223

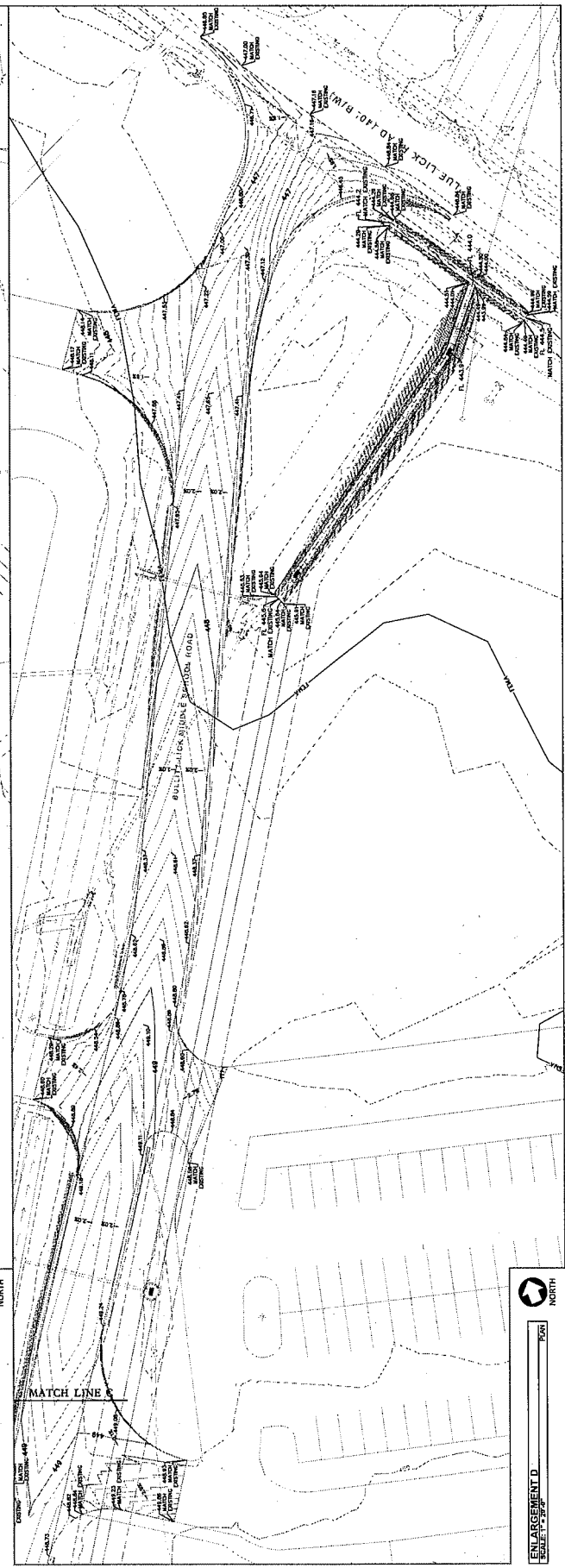
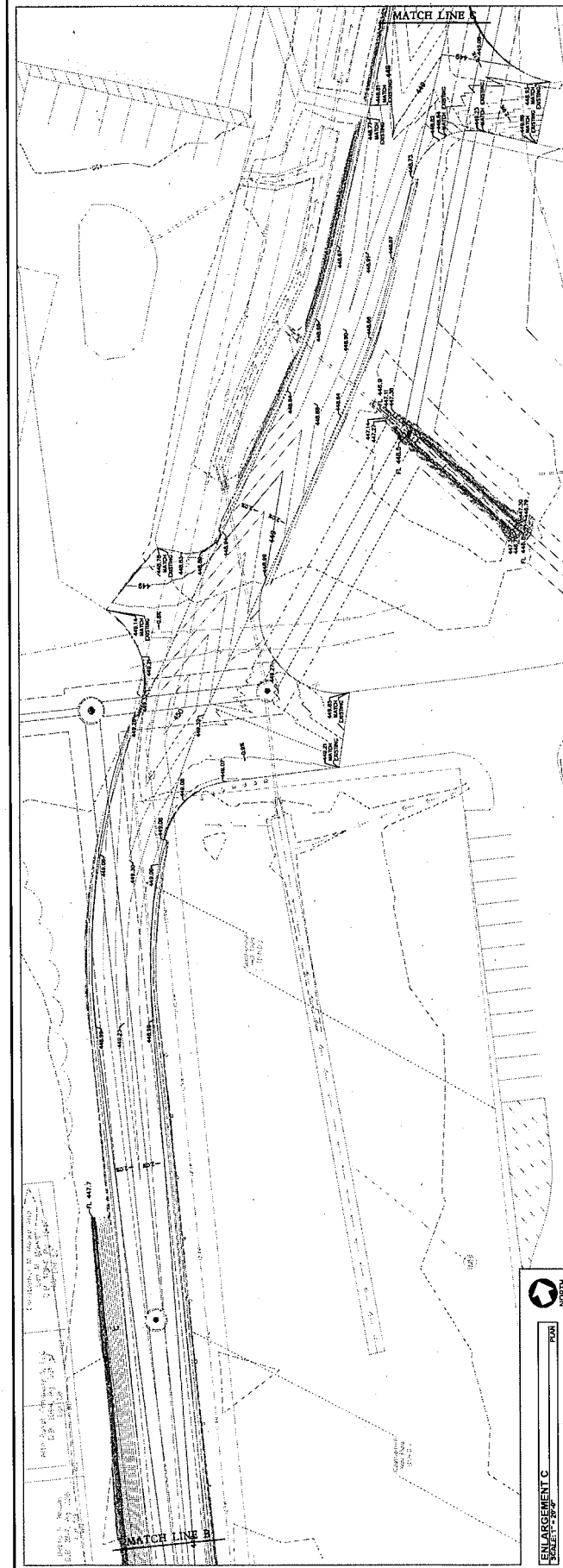


Blue Lick Road Drainage & Sanitary Sewer
 Improvement Project Phase Two
 S.S. W. Blue Lick Road
 Shepherdsville, KY 40165

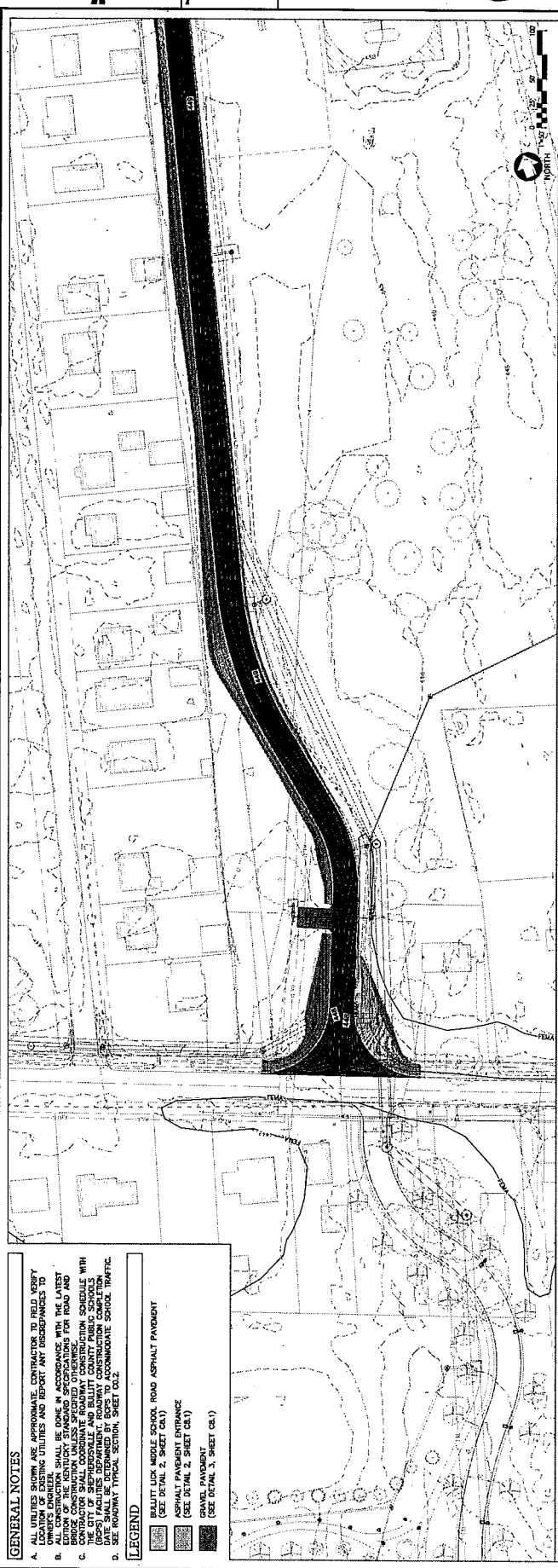
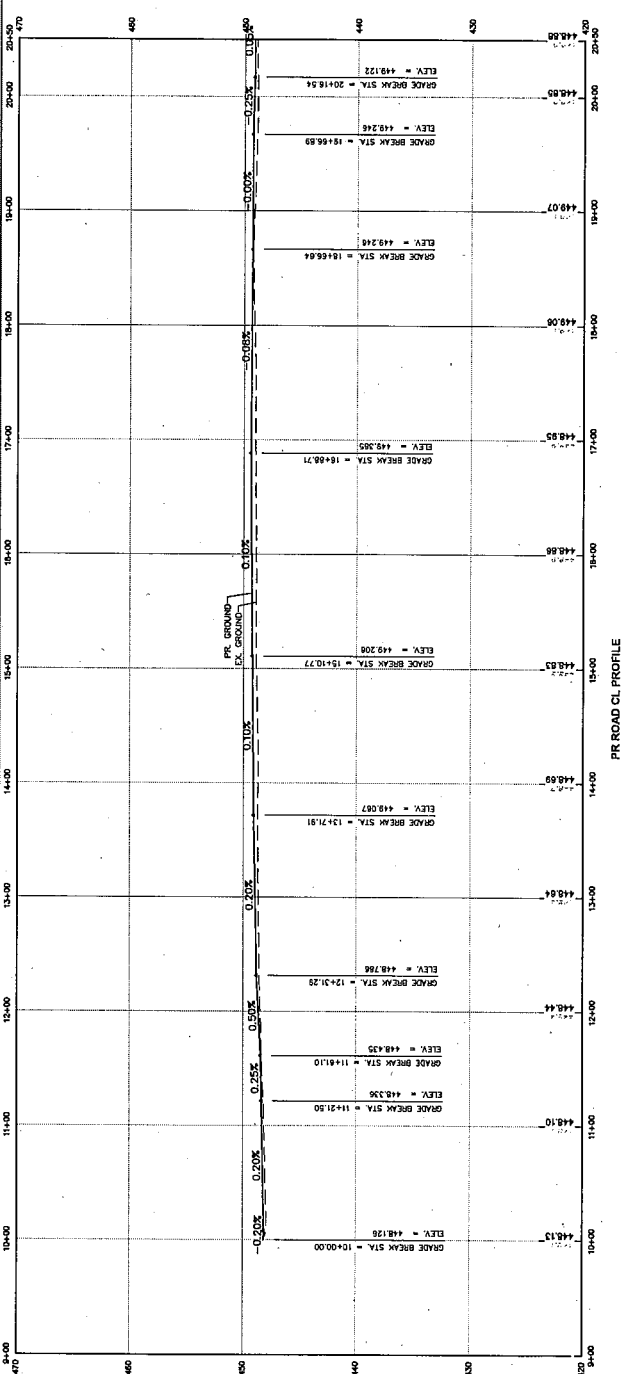
REV#	DATE	DESCRIPTION

City of Shepherdsville
 Atty General's Office
 400 W. Main Street
 Shepherdsville, KY 40165

Engineering
 Planning
 www.okd.com
 Kentucky - Indiana
 Georgia - Tennessee



10-1. Partial Plot Data Number 2, 2005 and 10-1. Partial Plot Data Number 3, 2005 and 10-1. Partial Plot Data Number 4, 2005 and 10-1. Partial Plot Data Number 5, 2005 and 10-1. Partial Plot Data Number 6, 2005 and 10-1. Partial Plot Data Number 7, 2005 and 10-1. Partial Plot Data Number 8, 2005 and 10-1. Partial Plot Data Number 9, 2005 and 10-1. Partial Plot Data Number 10, 2005 and 10-1.

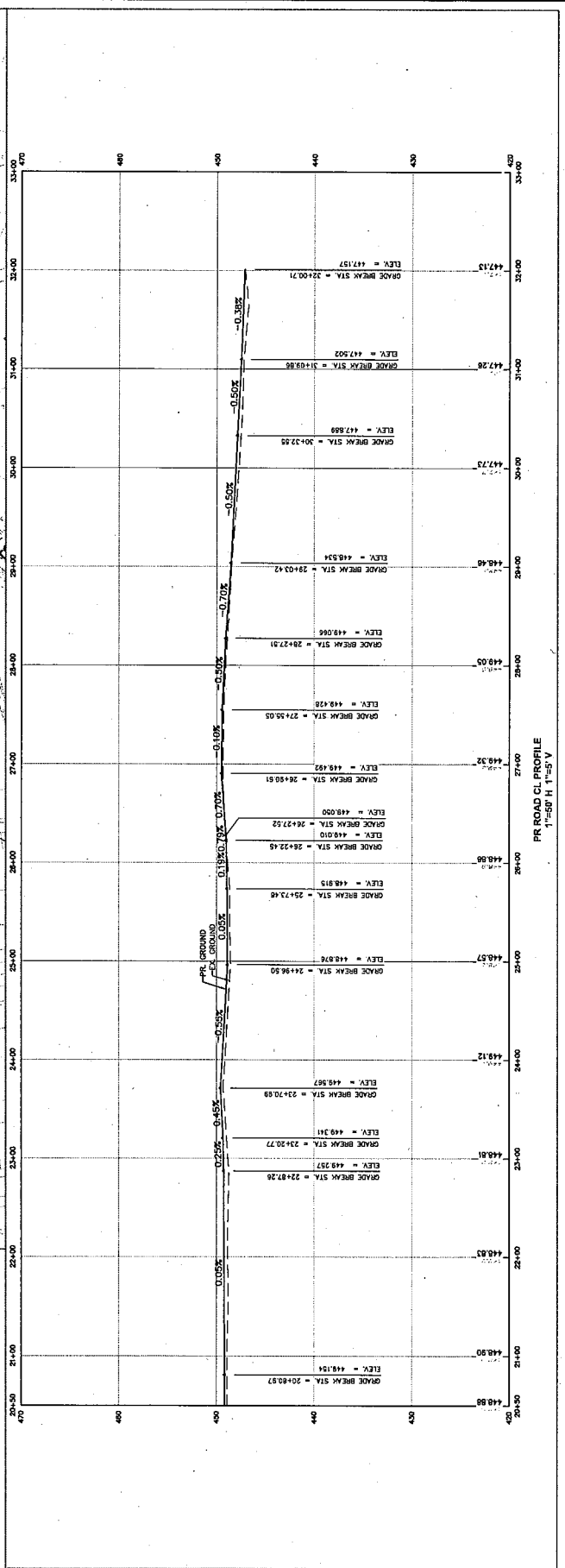
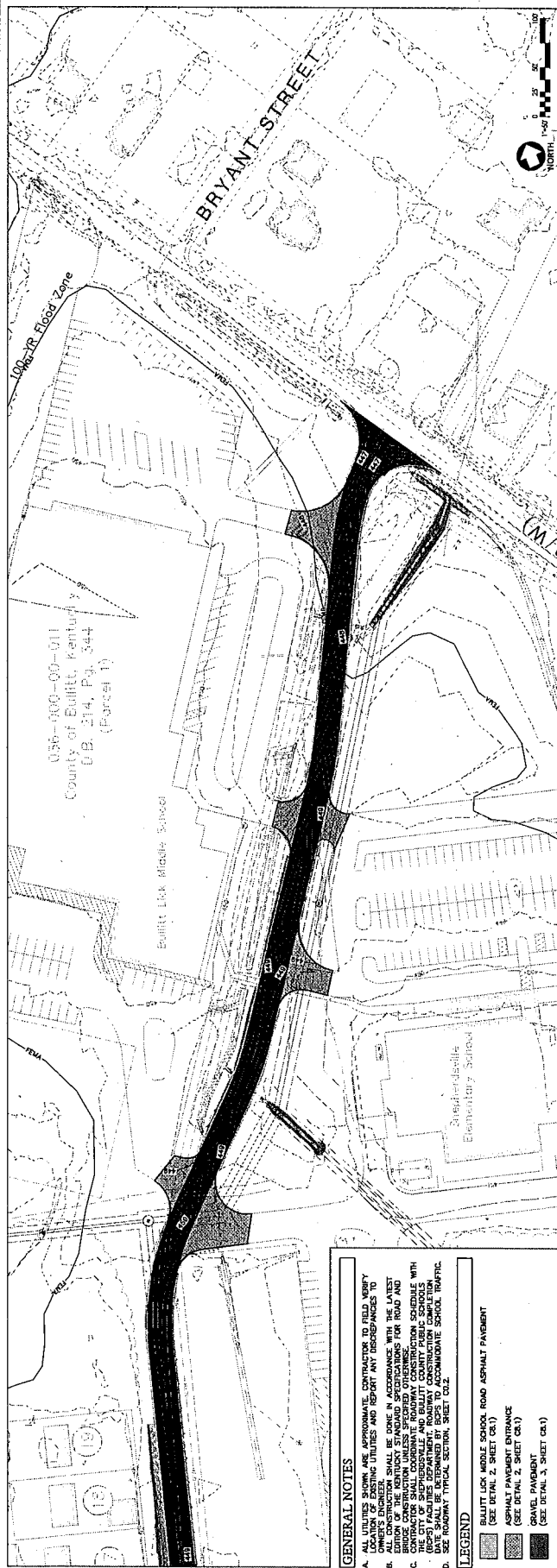


- ## GENERAL NOTES
1. ALL UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR TO BELD VERIFY LOCATION OF EXISTING UTILITIES AND REPORT ANY DISCREPANCIES TO OWNER'S ENGINEER.
 2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE KENTUCKY STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION UNLESS SPECIFIED OTHERWISE.
 3. THE CITY OF SEBERVILLE AND BELLITT COUNTY PUBLIC SCHOOLS (BCPS) FACILITIES DEPARTMENT, ROADS CONSTRUCTION COMPLETION DATE SHALL BE DETERMINED BY BOWMAN CONSTRUCTION. SCHOOL TRAFFIC USE DURING TYPICAL SCHOOL YEAR, SUMMER VAC.
 4. SEE ADJACENT TYPICAL SECTION, SHEET ONE.
- ## LEGEND

LEGEND

-  BULLITT LICK MIDDLE SCHOOL ROAD ASPHALT PAVEMENT (SEE DETAIL 2, SHEET C3.1)
-  ASPHALT PAVEMENT ENTRANCE (SEE DETAIL 2, SHEET C3.1)
-  GRAVEL PAVEMENT (SEE DETAIL 3, SHEET C3.1)
- 

REV #	DATE	DESCRIPTION



GENERAL NOTES
 A. ALL UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY EXISTING UTILITIES AND REPORT ANY DISCREPANCIES TO OWNER'S ENGINEER.
 B. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE KY DEPARTMENT OF HIGHWAY CONSTRUCTION MANUAL AND THE KY DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADWAY CONSTRUCTION.
 C. THE CITY OF SHEPHERDVILLE AND BULLITT COUNTY PUBLIC SCHOOLS HAVE AGREED TO SHARE THE COST OF THE IMPROVEMENTS. THE CITY OF SHEPHERDVILLE WILL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE IMPROVEMENTS. BULLITT COUNTY PUBLIC SCHOOLS WILL BE RESPONSIBLE FOR THE MAINTENANCE OF THE IMPROVEMENTS.
 D. SEE ROADWAY TYPICAL SECTION, SHEET C02.

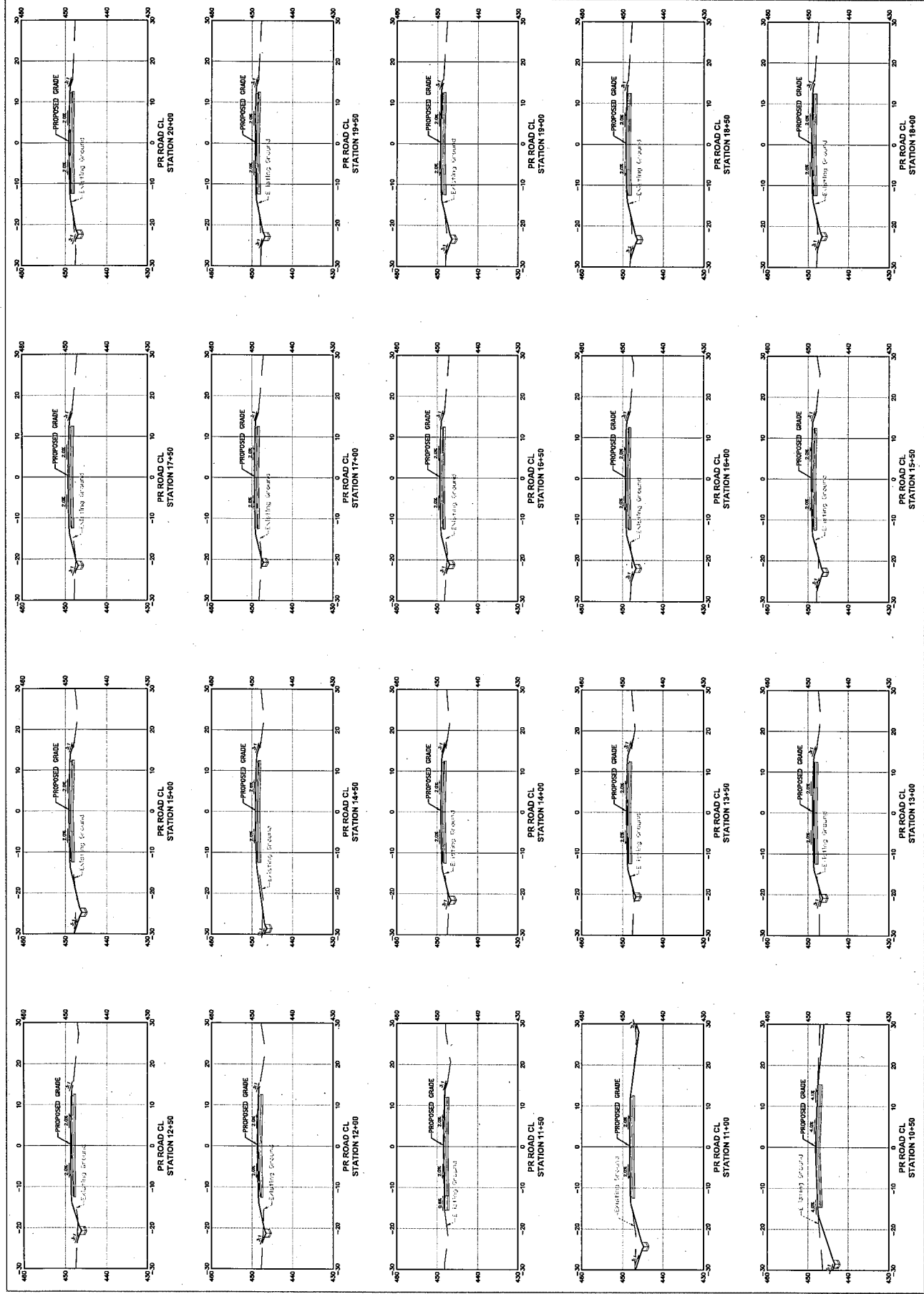
LEGEND
 BULLITT LICK MIDDLE SCHOOL ROAD ASPHALT PAVEMENT (SEE DETAIL 2, SHEET C01)
 ASPHALT PAVEMENT ENTRANCE (SEE DETAIL 2, SHEET C01)
 GRAVEL PAVEMENT (SEE DETAIL 3, SHEET C01)

Blue Lick Road Drainage & Sanitary Sewer
 Improvement Project Phase Two
 555 W. Blue Lick Road
 Shepherdsville, KY 40165

REV#	DATE	DESCRIPTION

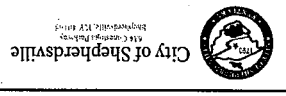
City of Shepherdsville
 414 Center Parkway
 Shepherdsville, KY 40165

Engineering
 Planning
 Kentucky - Indiana
 Boundary - Louisville
 www.kidk.com
 502.555.2222
 40223 Phone

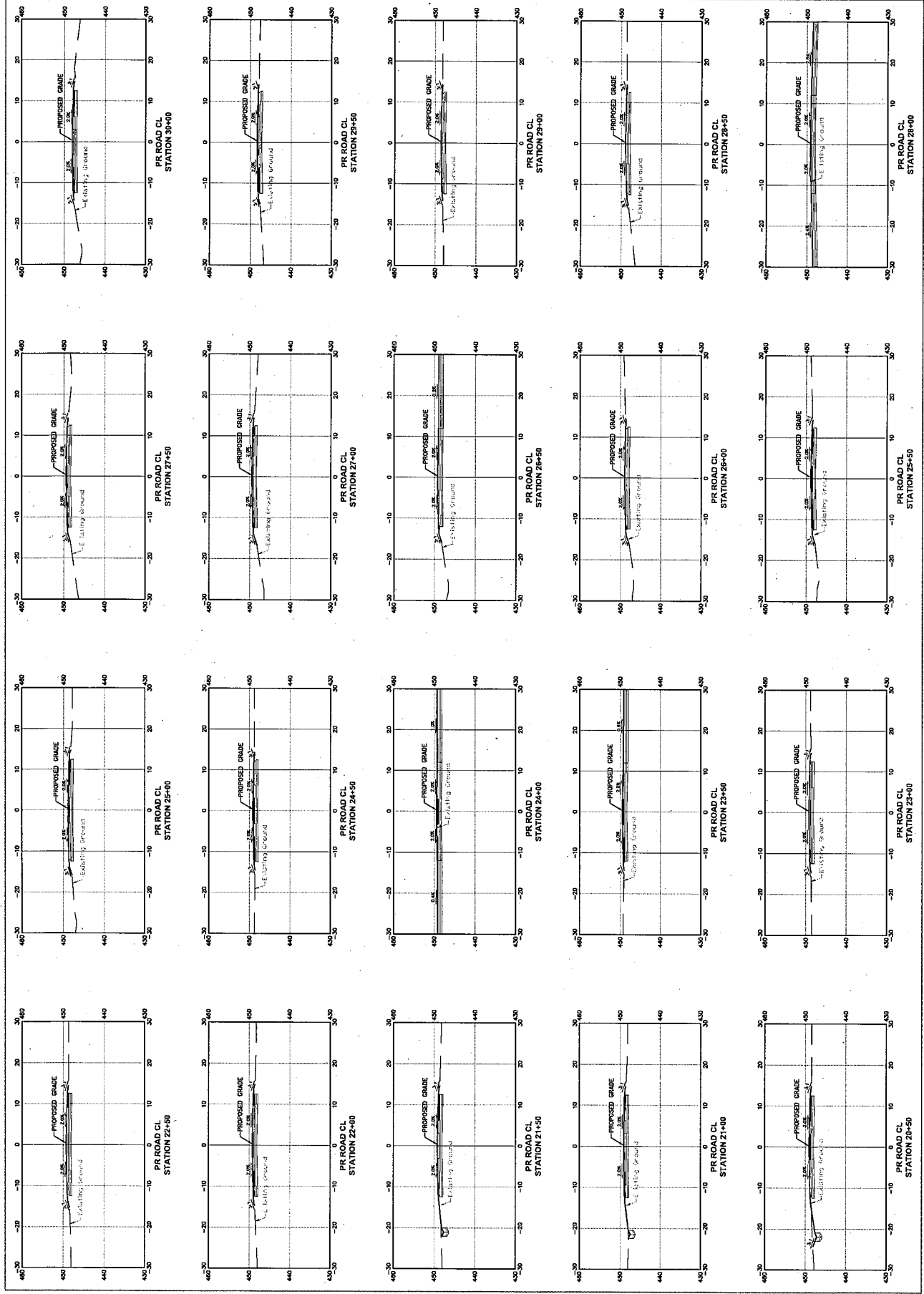


Blue Lick Road Drainage & Sanitary Sewer
 Improvement Project Phase Two
 555 W. Blue Lick Road
 Shepherdsville, KY 40155

REV	DATE	DESCRIPTION

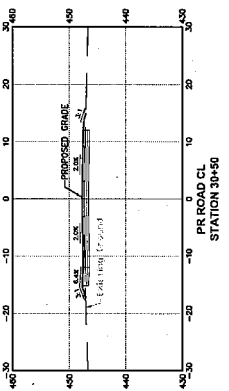
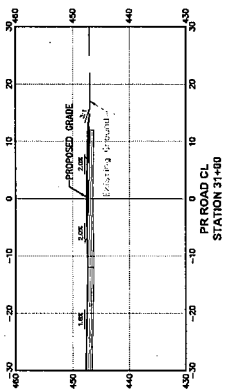
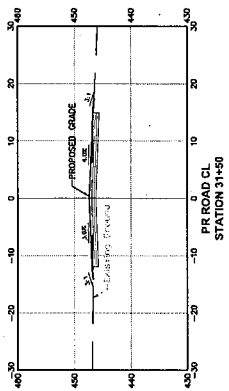
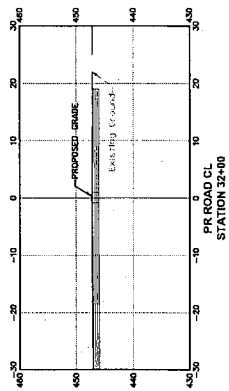
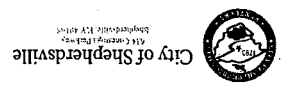


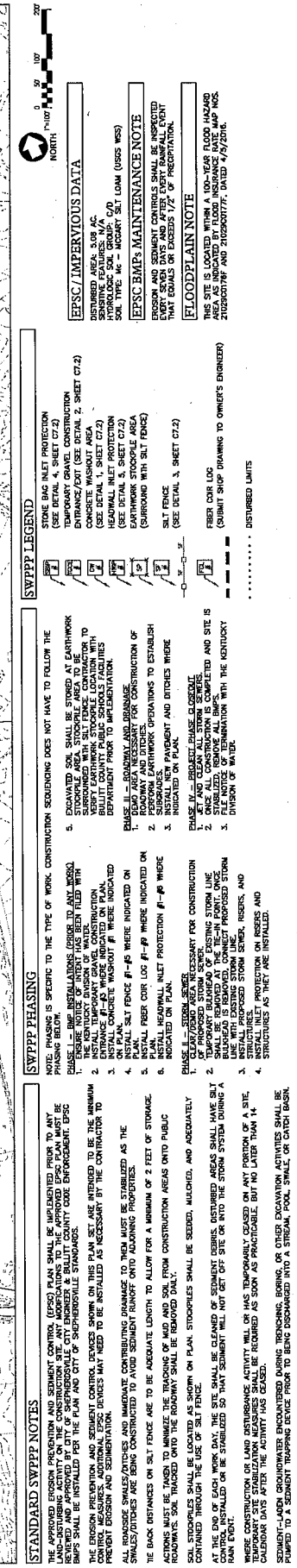
Engineering Planning
 Kentucky - Indiana
 Georgia - Tennessee
 www.kidk.com
 800 Corporate Campus Drive, Suite 1200 Louisville, Kentucky 40222 Phone: 502-486-2222

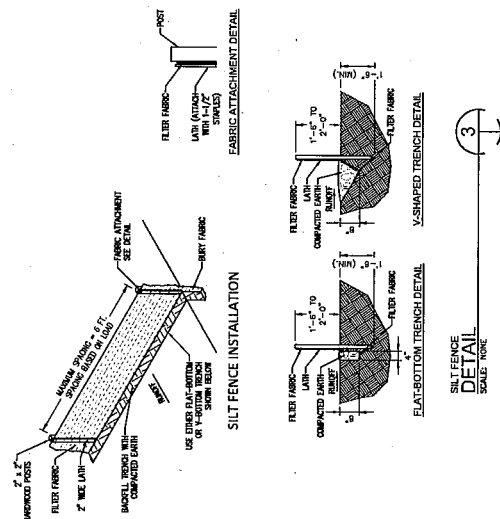
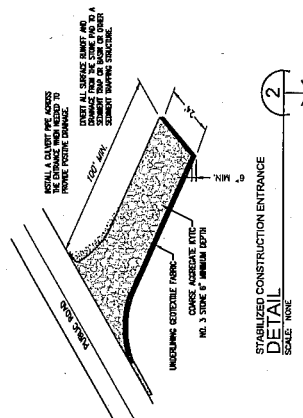
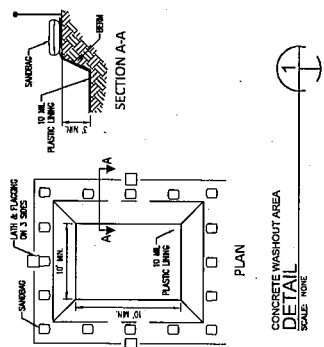
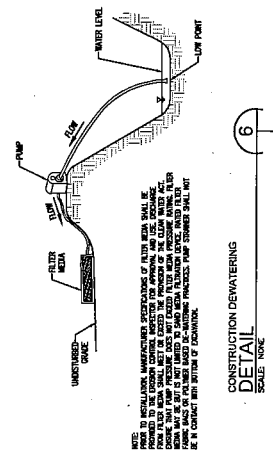
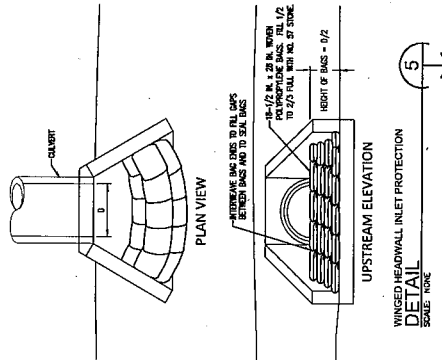
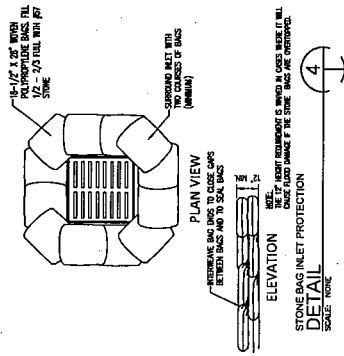


Blue Lick Road Drainage & Sanitary Sewer
 Improvement Project Phase Two
 555 W. Blue Lick Road
 Shepherdsville, KY 40165

REV#	DATE	DESCRIPTION







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CHP Manhole Risers

CHP manhole risers allow easy access for future maintenance of the system. If the riser is installed under a parking lot or road way subject to use loads, cover must be placed on riser based on soil support capacity to the surface. If the riser is installed under a parking lot or road way subject to use loads, cover must be placed on riser based on soil support capacity to the surface. If the riser is installed under a parking lot or road way subject to use loads, cover must be placed on riser based on soil support capacity to the surface.

CHP Riser	A	B	Height	Weight
24"	4" x 4"	12"	48" ± 10" O.D.M.	1,100
30"	6" x 6"	12"	48" ± 10" O.D.M.	2,100
36"	8" x 8"	12"	48" ± 10" O.D.M.	3,100
42"	10" x 10"	12"	48" ± 10" O.D.M.	4,100
48"	12" x 12"	12"	48" ± 10" O.D.M.	5,100
54"	14" x 14"	12"	48" ± 10" O.D.M.	6,100
60"	16" x 16"	12"	48" ± 10" O.D.M.	7,100

Standard and bearing capacity

Precast Option for Manhole Riser Caps

Additional Considerations

Manhole risers are considered below grade, and can be easily damaged by the excavation. Manhole risers should be installed in the excavation and covered with the previously stated pipe. To have proper potential problems, it is best to start the installation in the excavation and with the riser installed, the riser should be covered with the previously stated pipe. To have proper potential problems, it is best to start the installation in the excavation and with the riser installed, the riser should be covered with the previously stated pipe.

CONTECH STANDARD MANHOLE CAP DETAIL

CONTECH STANDARD MANHOLE CAP DETAIL

CONTECH STANDARD MANHOLE CAP DETAIL

CONTECH CSP ULTRA FLO ROUND STANDARD BACKSILL DETAIL

CONTECH CSP ULTRA FLO ROUND STANDARD BACKSILL DETAIL

CONTECH CSP ULTRA FLO ROUND STANDARD BACKSILL DETAIL

CONTECH CSP ULTRA FLO CUT SHEET DETAIL

CONTECH CSP ULTRA FLO CUT SHEET DETAIL

CONTECH CSP ULTRA FLO CUT SHEET DETAIL