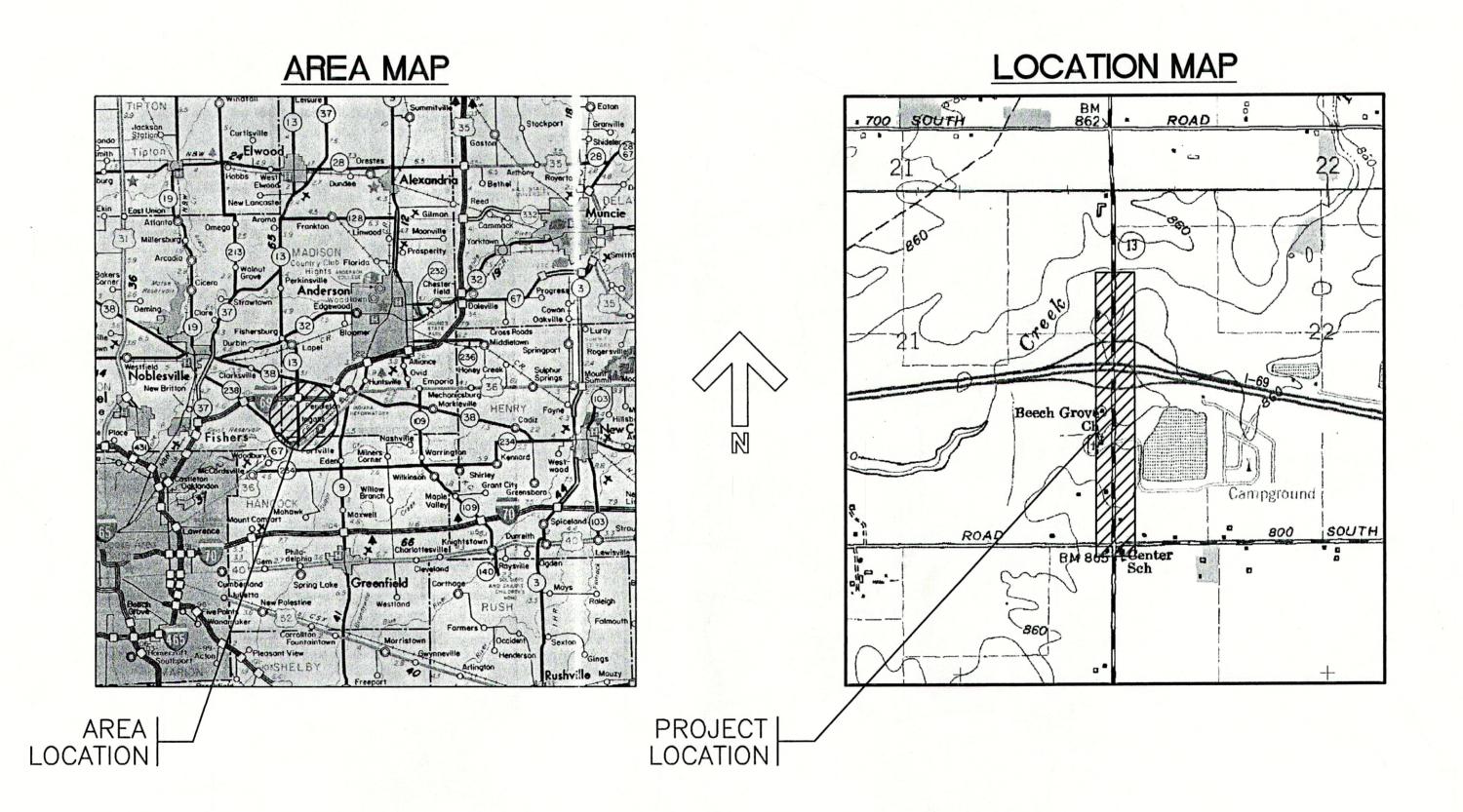
STATE ROAD 13 SANITARY SEWER FORCEMAIN EXTENSION PROJECT

FOR THE

FALL CREEK REGIONAL WASTE DISTRICT MADISON CO., IN.

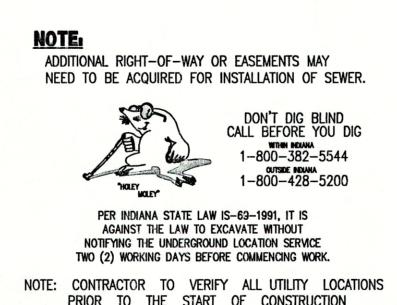
JULY 2002



RECORD DRAWING
FEBRUARY 17, 2003

PLANS PREPARED BY:

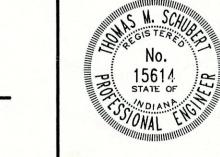
TRIAD
ASSOCIATES
INC.
INDIANAPOLIS, INDIANA



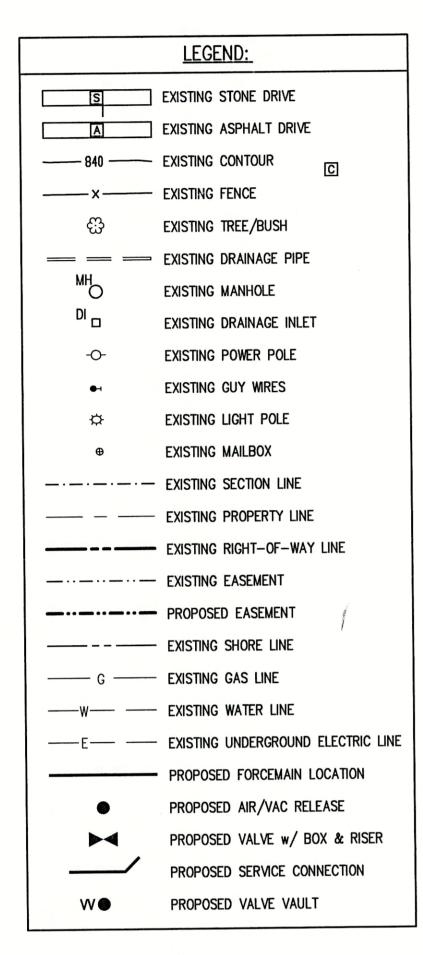
THESE PLANS CERTIFIED BY:

James W. Frazell, Professional Engineer





Thomas M. Schubert, Professional Engineer



UTILITIES:

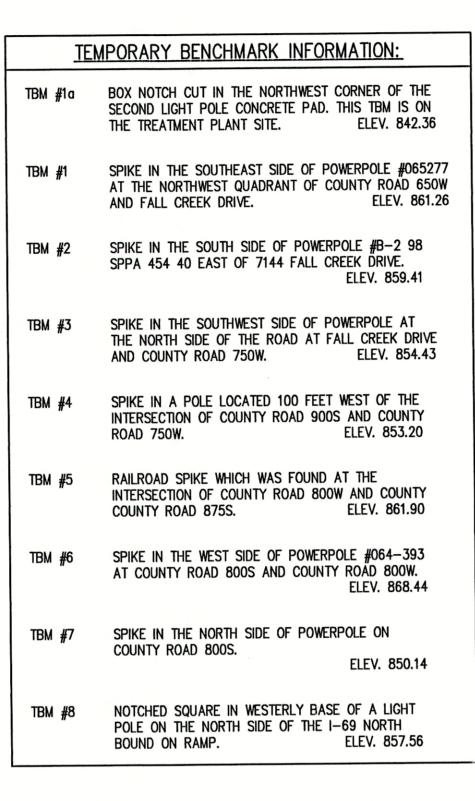
VECTREN ENERGY DELIVERY 2001 LOUISE STREET ANDERSON, INDIANA 46016-3741 CONTACT: MR. BRIAN HARGER TEL: (765) 648-3205

CINERGY / PSI 100 MILL CREEK ROAD NOBLESVILLE, INDIANA 46060 CONTACT: MR. TRACY GRADY TEL: (317) 776-5352

INGALLS WATER 249 NORTH MERIDIAN STREET INGALLS, INDIANA 46048 CONTACT: MR. RANDY McVAY TEL: (317) 485-4321

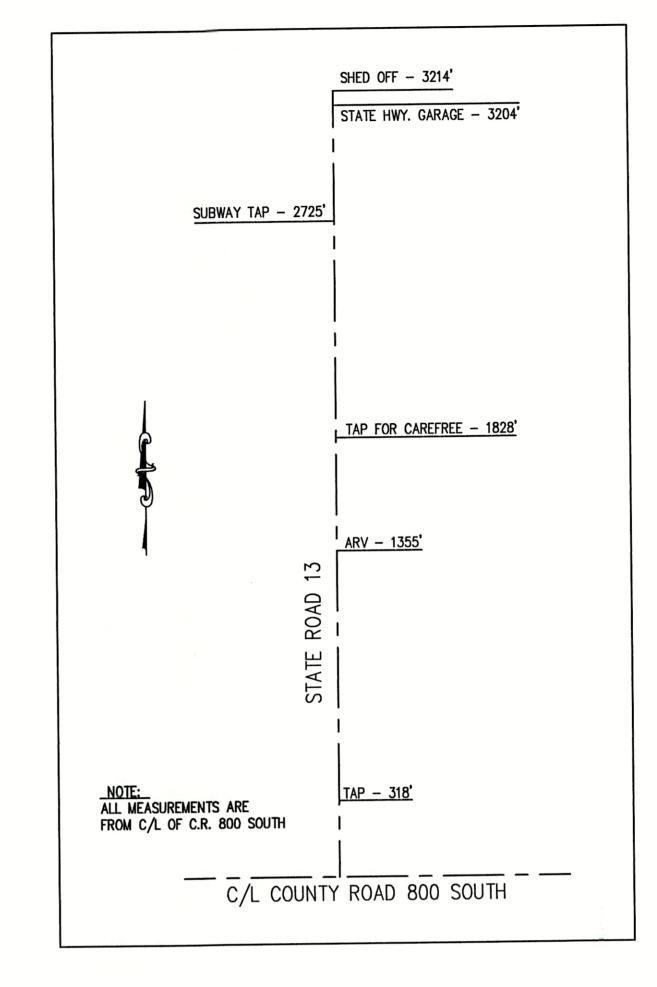
50 NORTH JACKSON STREET FRANK, INDIANA 46131-2346 CONTACT: MS. NANCY PICKEREL TEL: (317) 736-5309

INSIGHT COMMUNICATIONS 335 EAST 10th STRRET ANDERSON, INDIANA 46016 CONTACT: MR. MIKE ETHRINGTON TEL: (765) 649-5228



GENERAL NOTES:

- CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES, STRUCTURES, ELEVATIONS, ETC. PRIOR TO CONSTRUCTION.
- 2. ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL
- CONDITION IF NOT SPECIFIED OTHERWISE.
- 3. ALL 90° PIPING TURNS SHALL BE DONE WITH TWO (2) D.I.M.J. 45° ELBOWS UNLESS OTHERWISE SPECIFIED.
- 4. SEE SHEET 12 FOR THRUST BLOCKING/RESTRAINED JOINT DETAILS.
- 5. CONTRACTOR TO TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING STRUCTURES DURING CONSTRUCTION.
- 6. SEE DETAIL SHEET 11 FOR PIPE BEDDING REQUIREMENTS.
- 7. SEE SHEETS 4 9 FOR FURTHER PROPOSED STRUCTURE AND SITE INFORMATION.
- 8 SEE DETAIL SHEET 11 FOR STANDARD MANHOLE DETAILS.
- 9. CONTRACTOR TO COORDINATE WITH ALL MECHANICAL AND ELECTRICAL WORK TO BE REQUIRED.
- 10. CONTRACTOR SHALL CONTACT ALL UTILITIES FOR LOCATION OF EXISTING SERVICES FOR THE FORCEMAIN ROUTE PRIOR TO CONSTRUCTION.



SHEET INDEX:

SHEET No.	SHEET DESCRIPTION
1	TITLE SHEET
2	INDEX SHEET
3	PROJECT BASE MAP
4-6	PLAN AND PROFILE SHEETS
7	BRIDGE BORING SECTION
8-9	STANDARD DETAIL SHEETS

ADDITIONAL RIGHT-OF-WAY OR EASEMENTS MAY NEED TO BE ACQUIRED FOR INSTALLATION OF SEWER.



DON'T DIG BLIND CALL BEFORE YOU DIG WITHIN INDIANA 1-800-382-5544 0UTSIDE NOVANA 1-800-428-5200

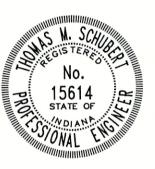
AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK. NOTE: CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO THE START OF CONSTRUCTION

> RECORD DRAWING **FEBRUARY 17, 2003**

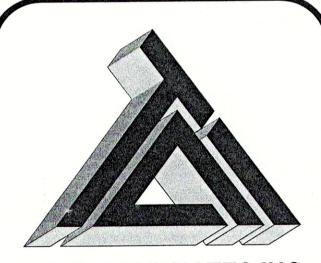
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DESCRIPTION





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TRIAD ASSOCIATES INC. 5835 LAWTON LOOP EAST DRIVE INDIANAPOLIS, INDIANA 46216 PHONE: 317-377-5230 FAX: 317-377-5241

DESIGNED FOR:

FALL CREEK REGIONAL WASTE DISTRICT STATE ROAD 13 SANITARY SEWER FORCEMAIN EXTENSION PROJECT

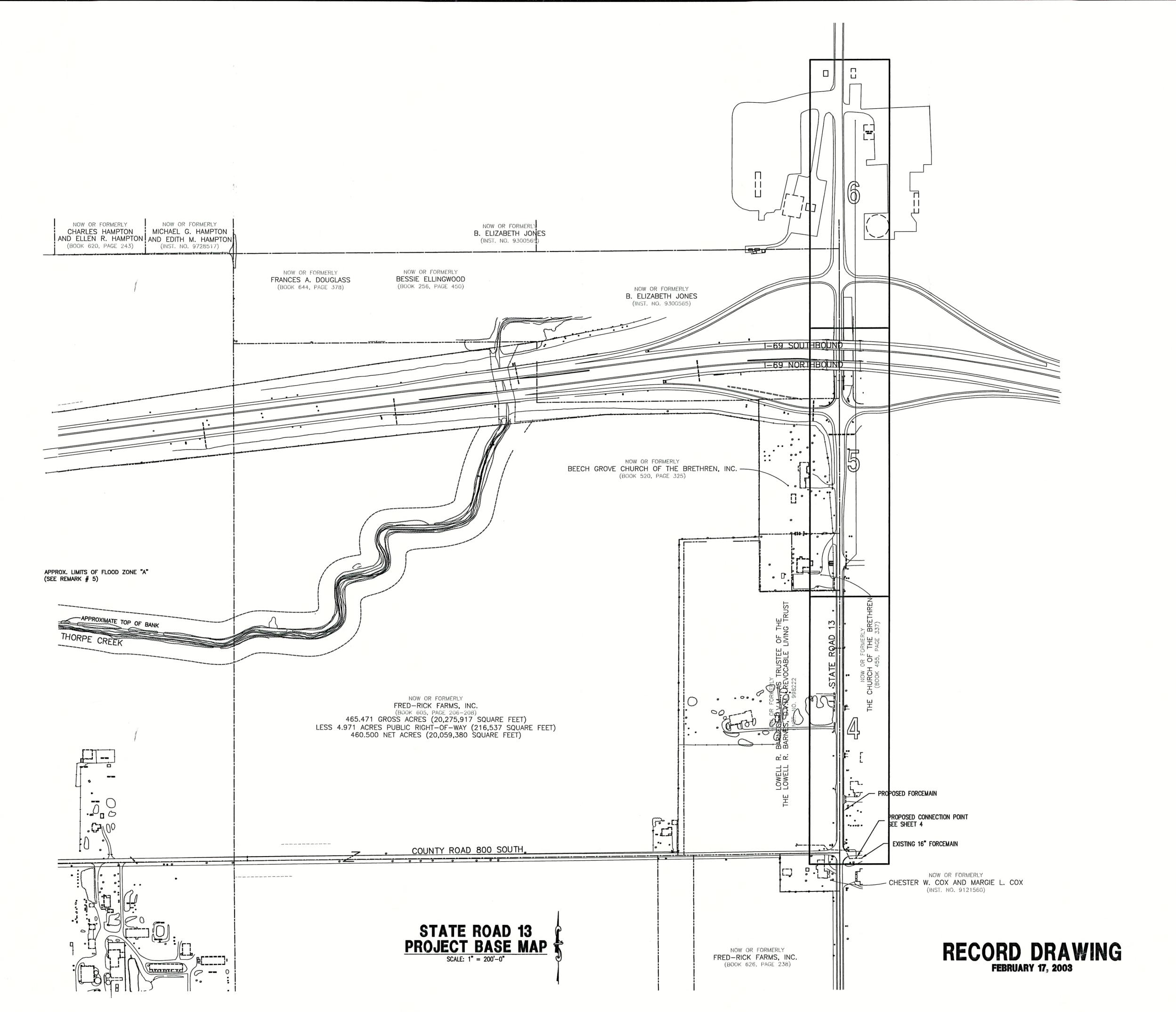
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PLAN AND PROFILE SHEET

JOB NUMBER: 200202F

CHECKED BY: J.W.F. SCALE: AS NOTED PLOT DATE: 08/16/02 PLOT SCALE: 1 = 1DATE: JULY 2002 DRAWN BY: B.K.Y.

DESIGNED BY: THOMAS M. SCHUBERT, P.E. DRAWING NAME: 200202FIND-RD.DWG

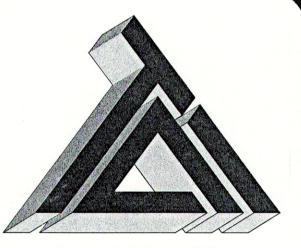


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	REVISIONS:	
DATE	DESCRIPTION	BY
10		



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DESIGNED FOR:

FALL CREEK REGIONAL WASTE DISTRICT STATE ROAD 13 SANIATRY FORCEMAIN EXTENSION PROJECT

SHEET TITLE:

PROJECT BASE MAP

JOB NUMBER: 200202F

SCALE: AS NOTED CHECKED BY: J.W.F.

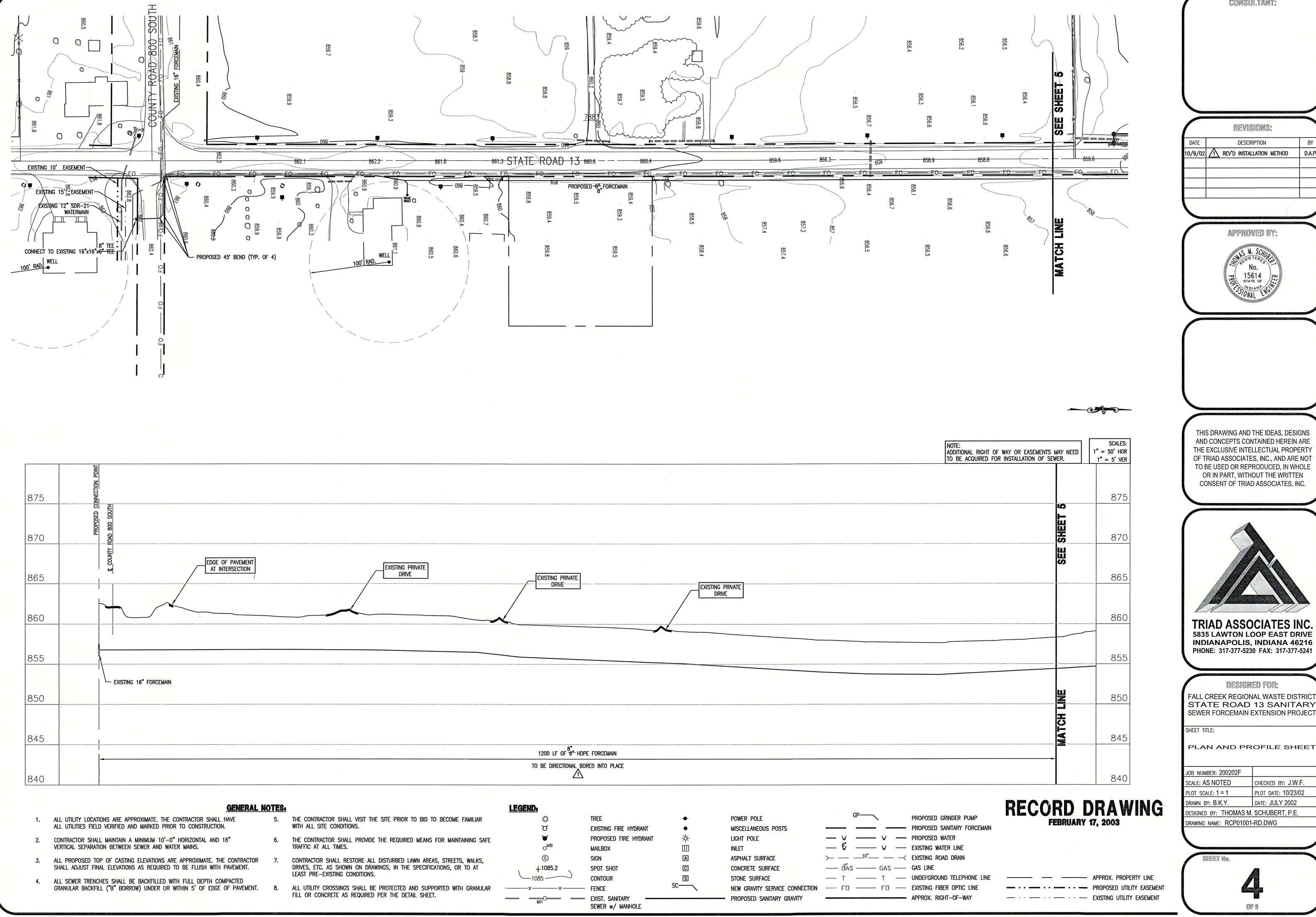
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DRAWN BY: B.K.Y. DATE: JULY 2002

DESIGNED BY: THOMAS M. SCHUBERT, P.E.

DRAWING NAME: 200202F-BASE-RD.DWG

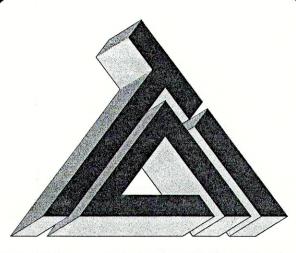
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0/9/02 /1\ REV'D INSTALLATION METHOD



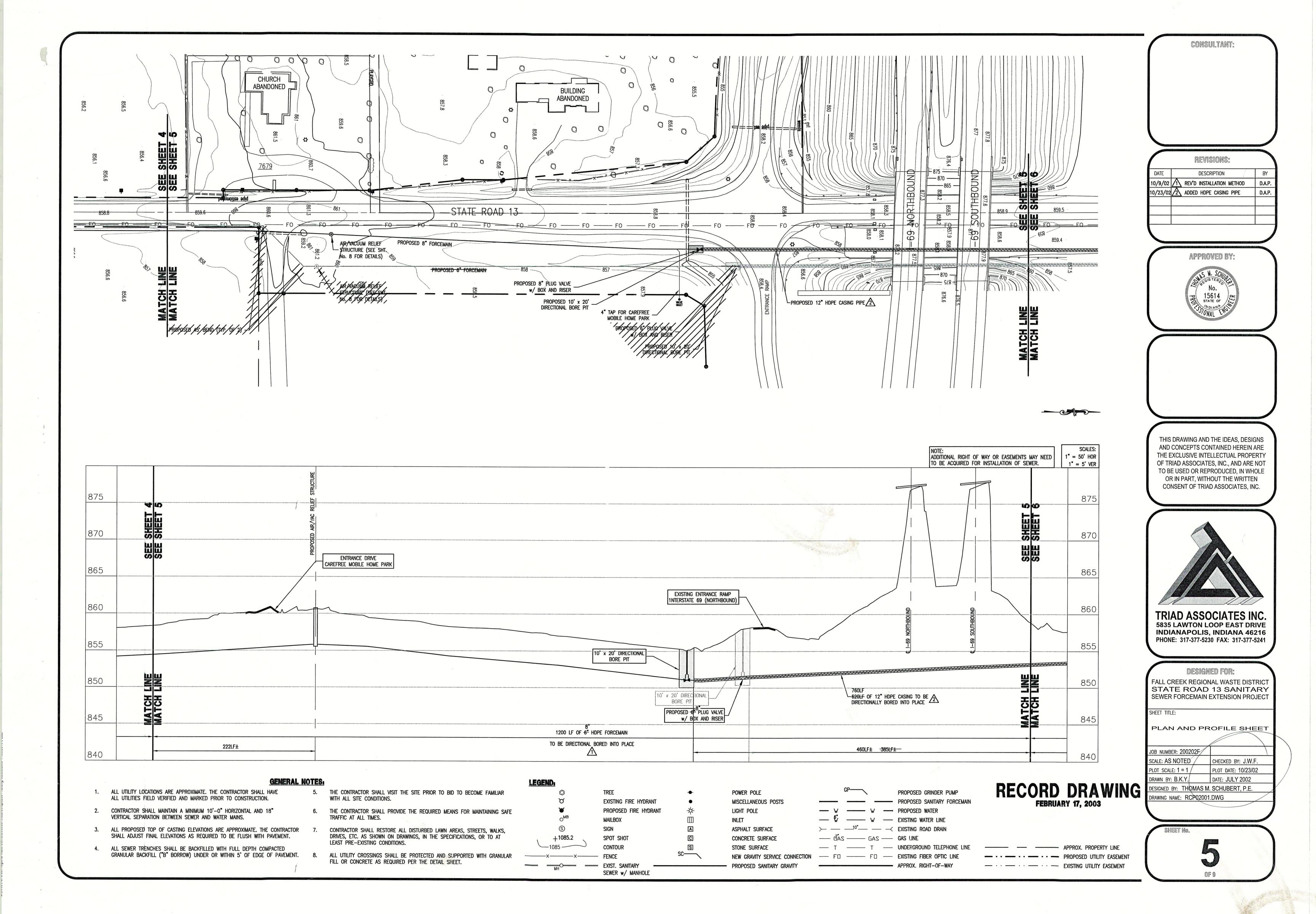
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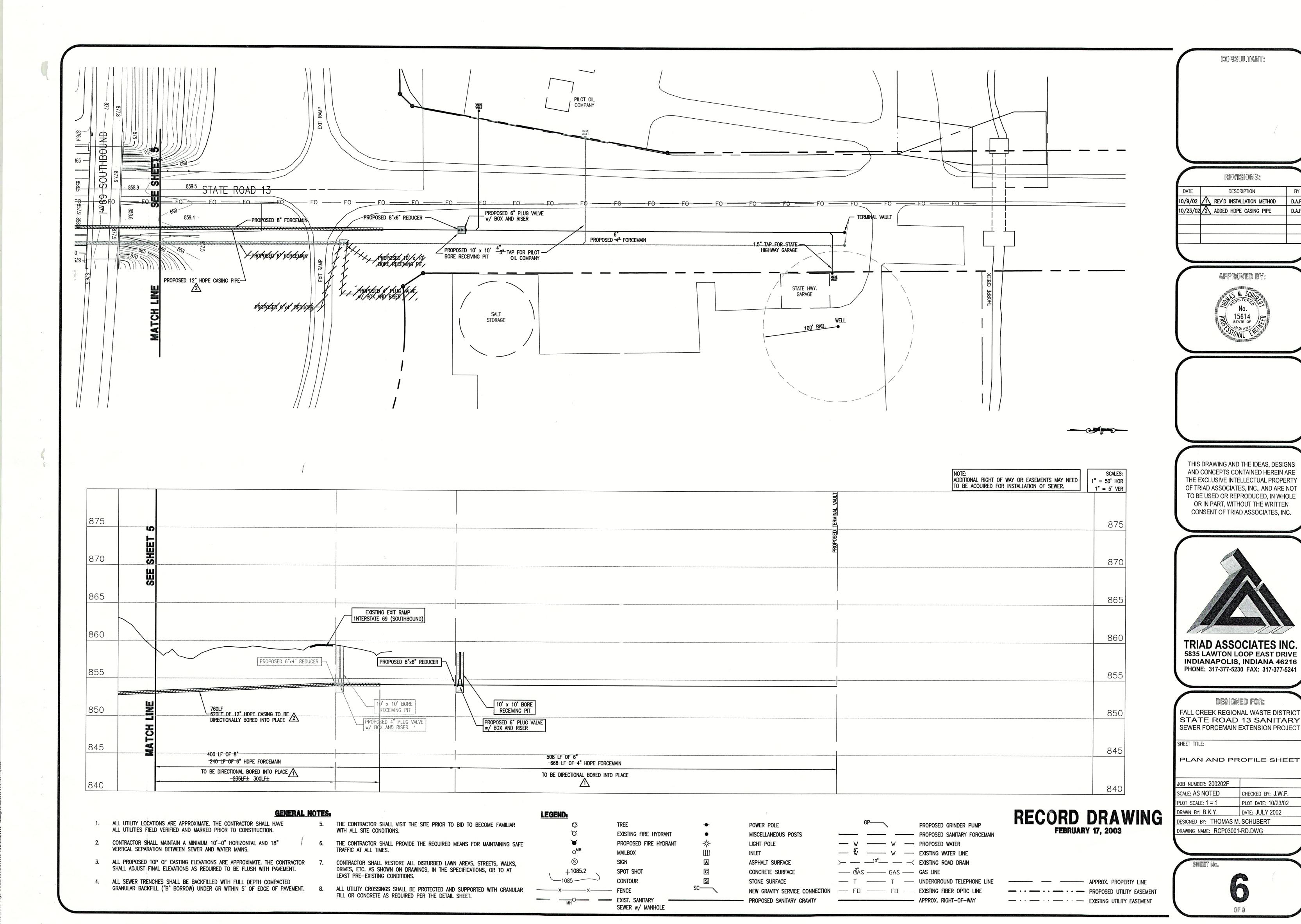


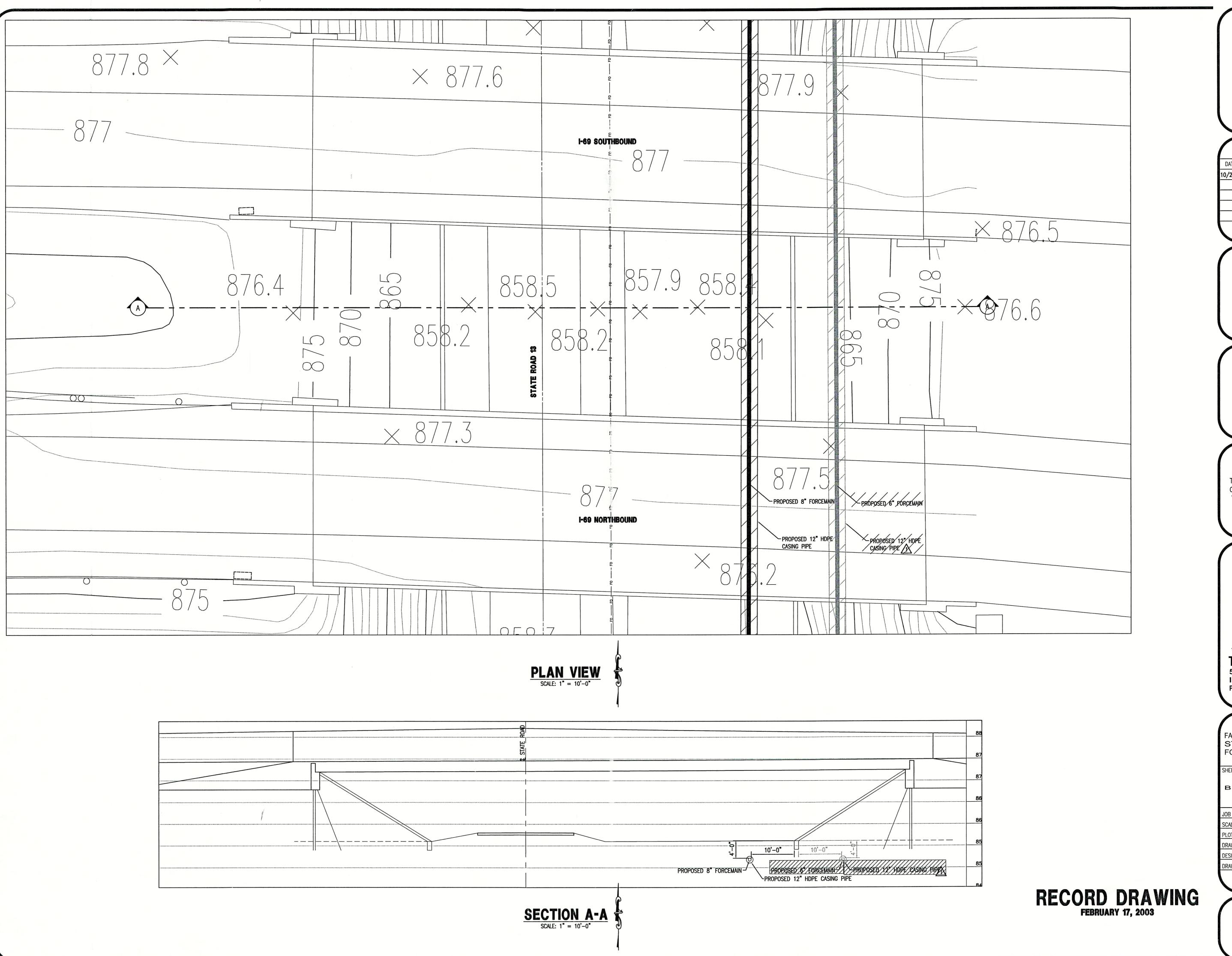
TRIAD ASSOCIATES INC. **5835 LAWTON LOOP EAST DRIVE INDIANAPOLIS, INDIANA 46216** PHONE: 317-377-5230 FAX: 317-377-5241

DESIGNED FOR:

HEET TITLE:	
PLAN AND PR	OFILE SHEET
OB NUMBER: 200202F	
CALE: AS NOTED	CHECKED BY: J.W.F.
LOT SCALE: 1 = 1	PLOT DATE: 10/23/02
RAWN BY: B.K.Y.	DATE: JULY 2002
ESIGNED BY: THOMAS M	. SCHUBERT, P.E.
DAMING NAME, DCD01001	DD DWG





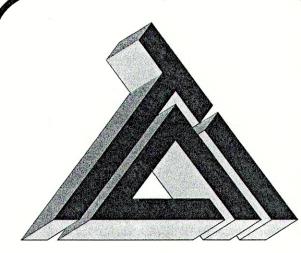


CONSULTAN

	REVISIONS:	
DATE	DESCRIPTION	BY
10/23/02	ADDED 12" HDPE CASING PIPE	D.A.P.



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DESIGNED FOR:

FALL CREEEK REGIONAL WASTE DISTRICT
STATE ROAD 13 SANITARY
FORCEMAIN EXTENSION PROJECT

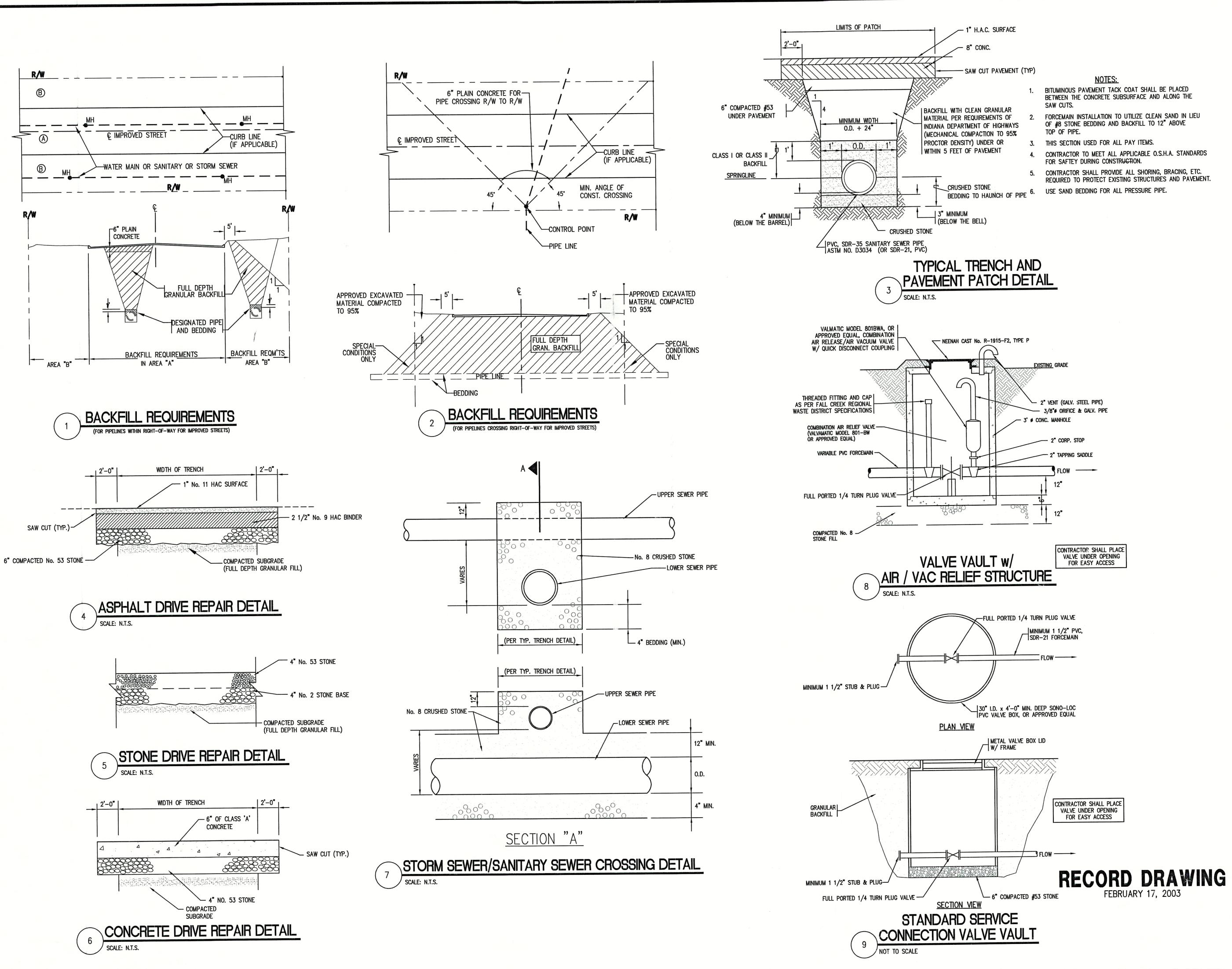
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BRIDGE BORING SECTION

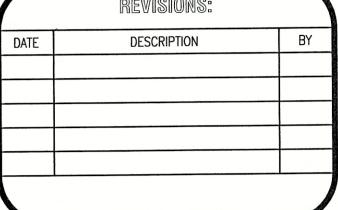
CHECKED BY: J.W.F.
PLOT DATE: 10/23/02
DATE: JULY 2002
. SCHUBERT
RSEC-RD.DWG

SHEET

0F 9



BITUMINOUS PAVEMENT TACK COAT SHALL BE PLACED BETWEEN THE CONCRETE SUBSURFACE AND ALONG THE FORCEMAIN INSTALLATION TO UTILIZE CLEAN SAND IN LIEU OF #8 STONE BEDDING AND BACKFILL TO 12" ABOVE REVISIONS: CONTRACTOR TO MEET ALL APPLICABLE O.S.H.A. STANDARDS DESCRIPTION



CONSULTANT:



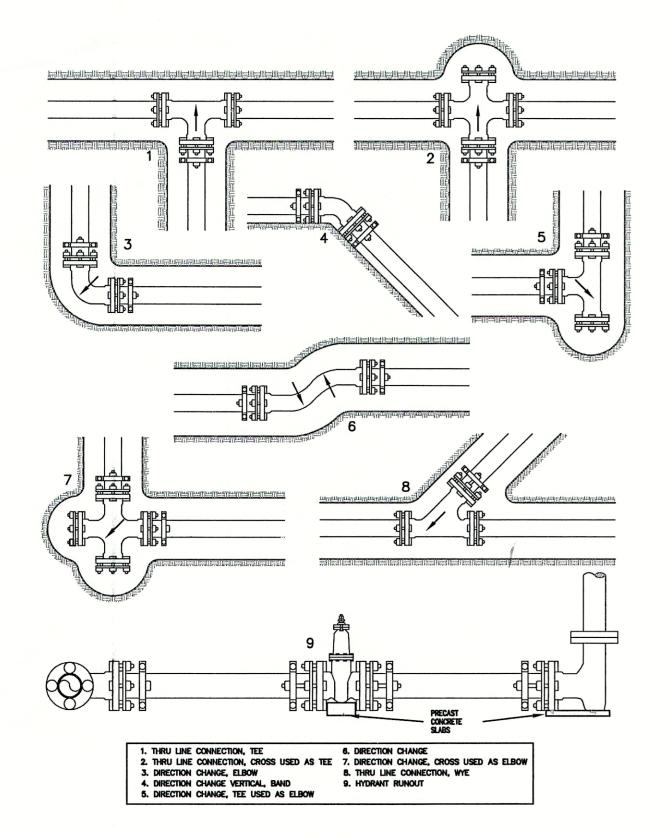
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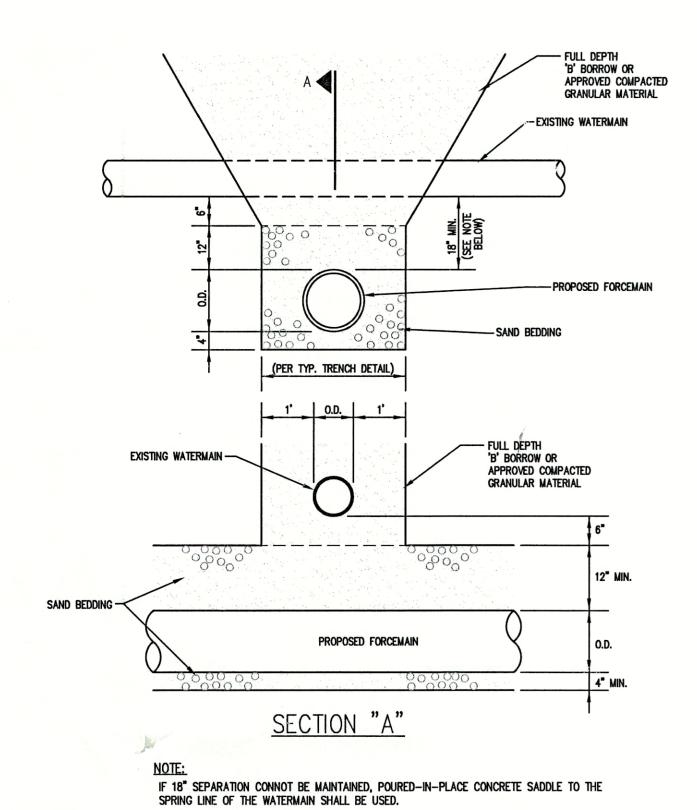
TRIAD ASSOCIATES INC. 5835 LAWTON LOOP EAST DRIVE INDIANAPOLIS, INDIANA 46216 PHONE: 317-377-5230 FAX: 317-377-5241

FALL CREEK REGIONAL WASTE DISTRICT

STATE ROAD 13 SANITARY SEWER FORCEMAIN EXTENSION PROJECT MISCELLANEOUS DETAIL SHEET JOB NUMBER: 200202F SCALE: AS NOTED CHECKED BY: J.W.F. PLOT DATE: 09/24/02 PLOT SCALE: 1 = 1 DATE: JULY 2002 DRAWN BY: B.K.Y. DESIGNED BY: THOMAS M. SCHUBERT, P.E. RAWING NAME: 200202FDET1-RD.DWG

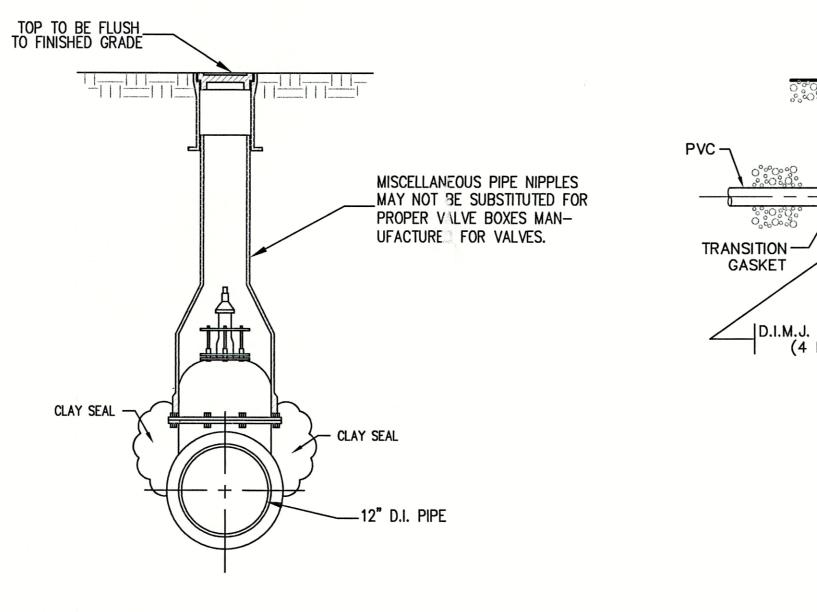






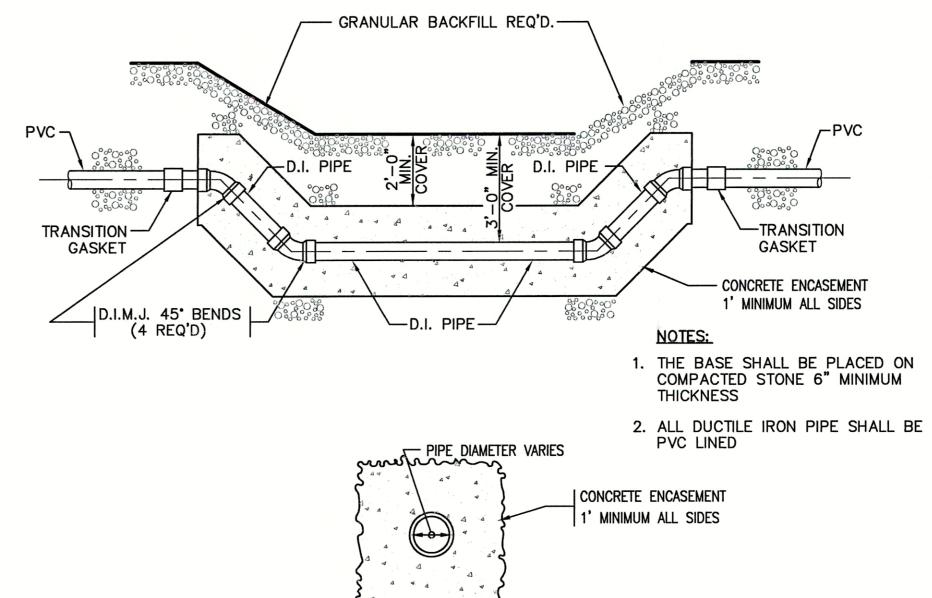
WATERMAIN / FORCEMAIN
TYPICAL CROSSING DETAIL

NOT TO SCALE



2 VALVE BOX SECTION

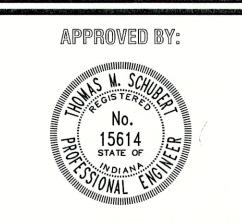
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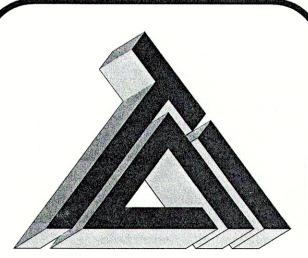
TYPICAL CREEK CROSSING FOR FORCEMAIN

CONSULTANT:

	REVISIONS:	
DATE	DESCRIPTION	BY



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DESIGNED FOR:

FALL CREEK REGIONAL WASTE DISTRICT STATE ROAD 13 SANITARY

SEWER FORCEMAIN EXTENSION PROJECT

SHEET TITLE:

MISCELLANEOUS DETAIL SHEET

JOB NUMBER: 200202F

SCALE: AS NOTED CHECKED BY: J.W.F.

PLOT SCALE: 1 = 1 PLOT DATE: 09/24/02

DRAWN BY: B.K.Y. DATE: JULY 2002

DESIGNED BY: THOMAS M. SCHUBERT, P.E.

DRAWING NAME: 200202FDET2-RD.DWG

RECORD DRAWING
FEBRUARY 17, 2003

