

SADDLEBROOK SUBDIVISION

SANITARY SEWER COLLECTION SYSTEM

PROJECT FOR THE

SADDLE BROOK ADDITION

MADISON CO., IN.

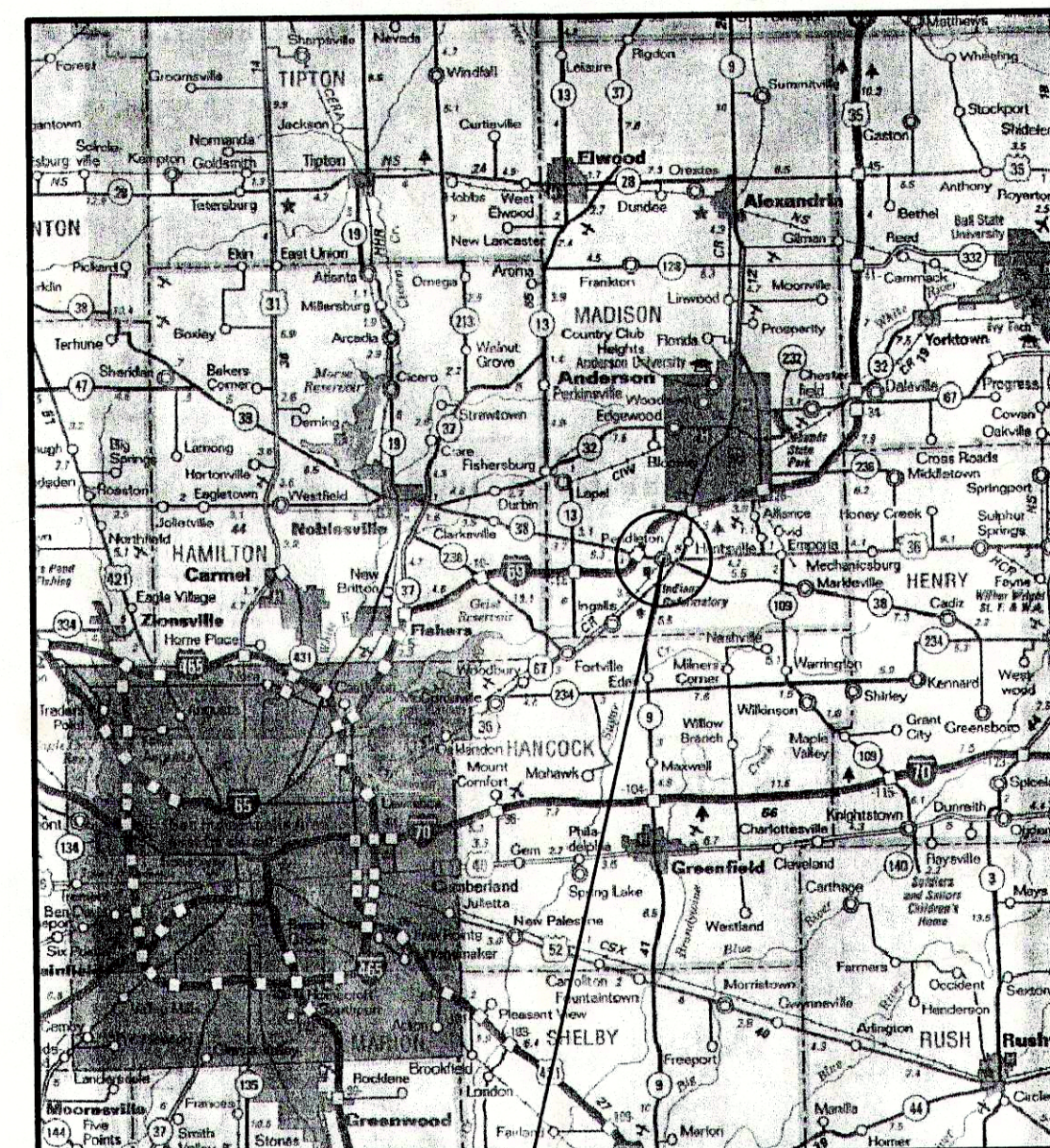
NOVEMBER 1999

OWNER: MR. LARRY KEESLING

SHEET INDEX

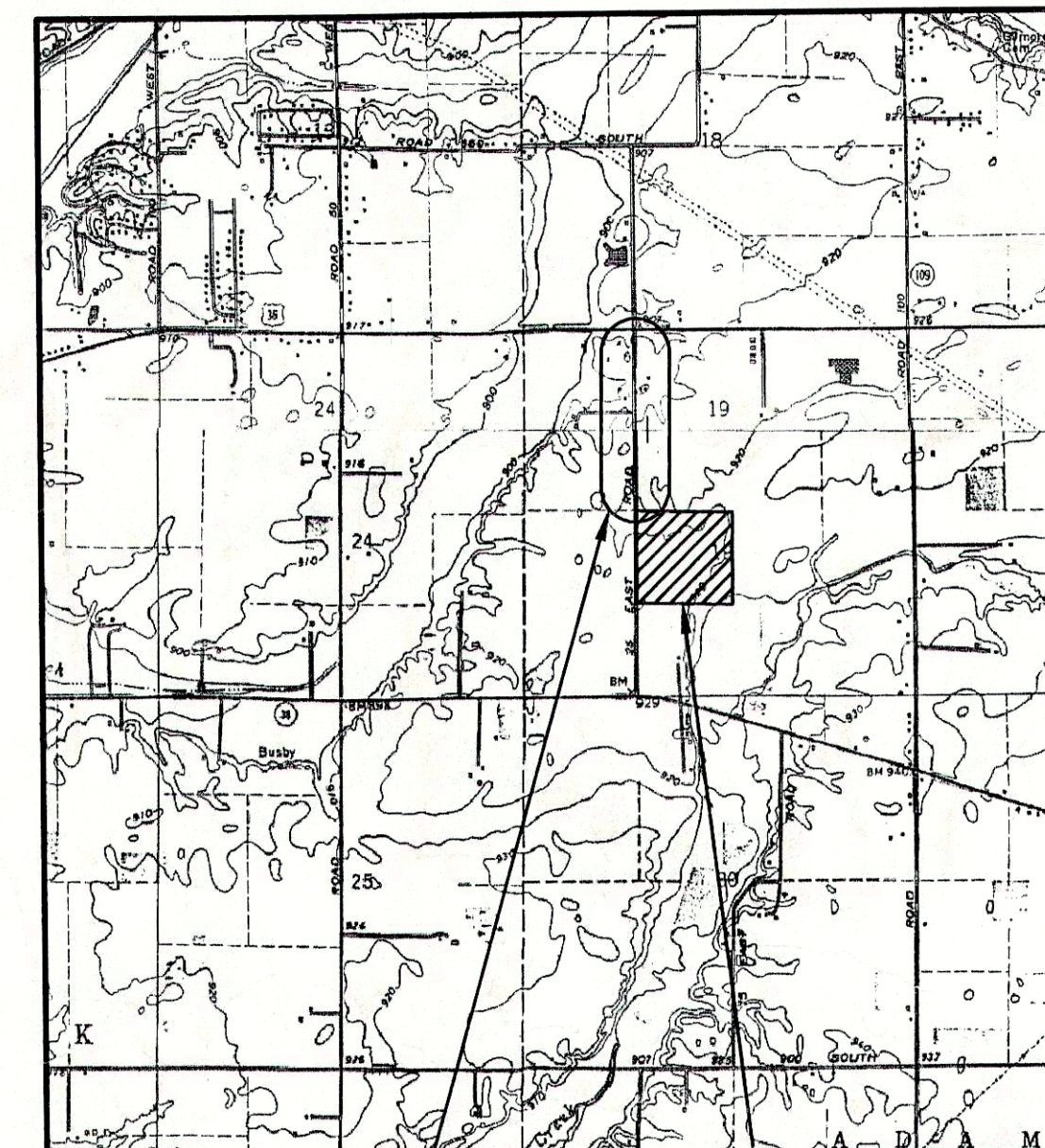
SHEET NO.	DESCRIPTION
1	TITLE SHEET AND INDEX
2	PROJECT BASE MAP
3-7	PLAN AND PROFILES
8	STANDARD DETAILS

AREA MAP



AREA
LOCATION

LOCATION MAP



PROJECT
LOCATION

SADDLEBROOK
SUBDIVISION

PLANS PREPARED BY:

TRIAD
ASSOCIATES
INC.
INDIANAPOLIS, INDIANA

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



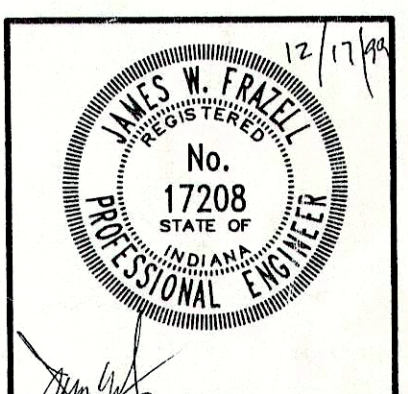
DON'T DIG BLIND
CALL BEFORE YOU DIG
1-800-382-5544
1-800-428-5200

PER INDIANA STATE LAW IS-69-1991, IT IS
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

THESE PLANS CERTIFIED BY:

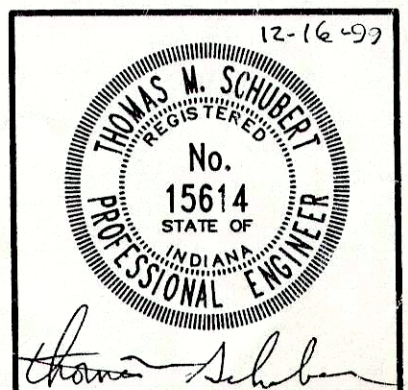
James W. Frazell, Professional Engineer

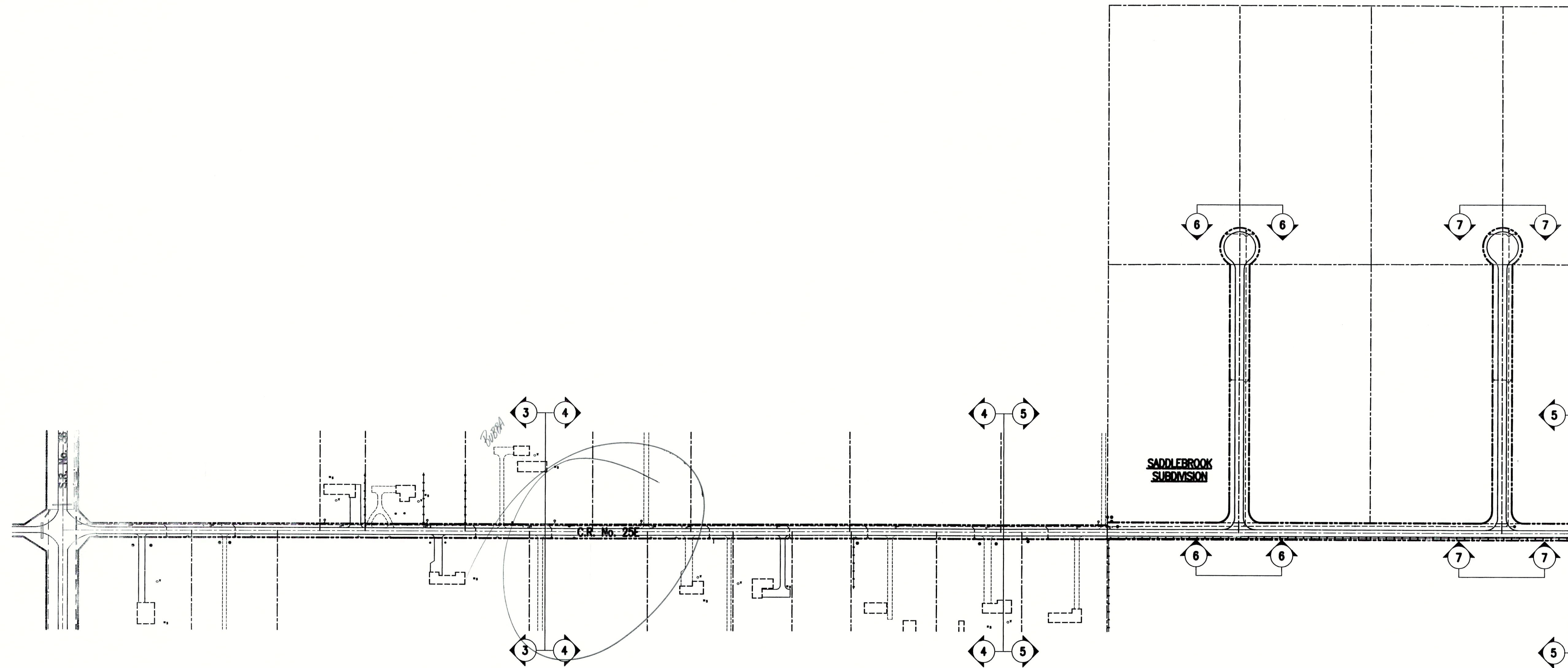
James W. Frazell



Thomas M. Schubert, Professional Engineer

Thomas M. Schubert





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ANDERSON LIGHT AND POWER
550 BAXTER ROAD
ANDERSON, INDIANA 46016
1 (765) 648-6187

CYENERGY/PSI
100 S. MILL CREEK ROAD
P.O. BOX 312
NOBLESVILLE, INDIANA 46060
1 (800) 521-2232

TCI OF CENTRAL INDIANA
633 JACKSON STREET
ANDERSON, INDIANA 46016
1 (765) 649-0407

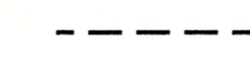
GTE
P.O. BOX 1406
RICHMOND, INDIANA 47375
1 (800) 832-0129

INDIANA GAS COMPANY, INC.
2001 LOUISE STREET
ANDERSON, INDIANA 46016
1 (800) 777-2060

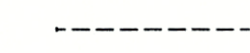
LEGEND



SHEET DESIGNATION



EXISTING SANITARY FORCEMAIN



PROPOSED SANITARY FORCEMAIN

UTILITIES

**COUNTY ROAD 25E
BASE MAP**

SCALE: 1" = 150'



CONSULTANT:

REVISIONS:

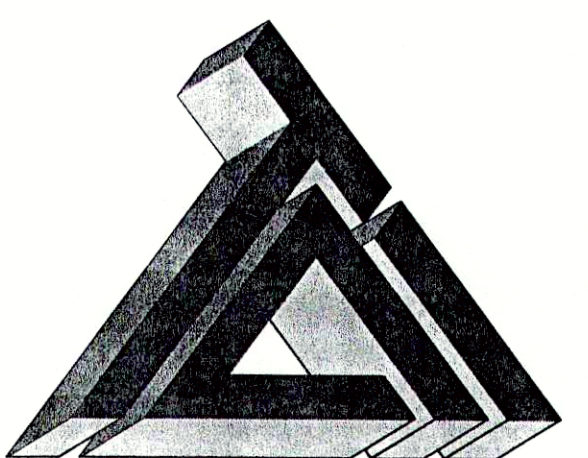
DATE	DESCRIPTION	BY

APPROVED BY:

12-16-99



Thomas M. Schubert
Thomas M. Schubert, P.E.



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

DESIGNED FOR:

**SADDLE BROOK ADDITION
OWNER: MR. LARRY KEESLING**

SHEET TITLE:

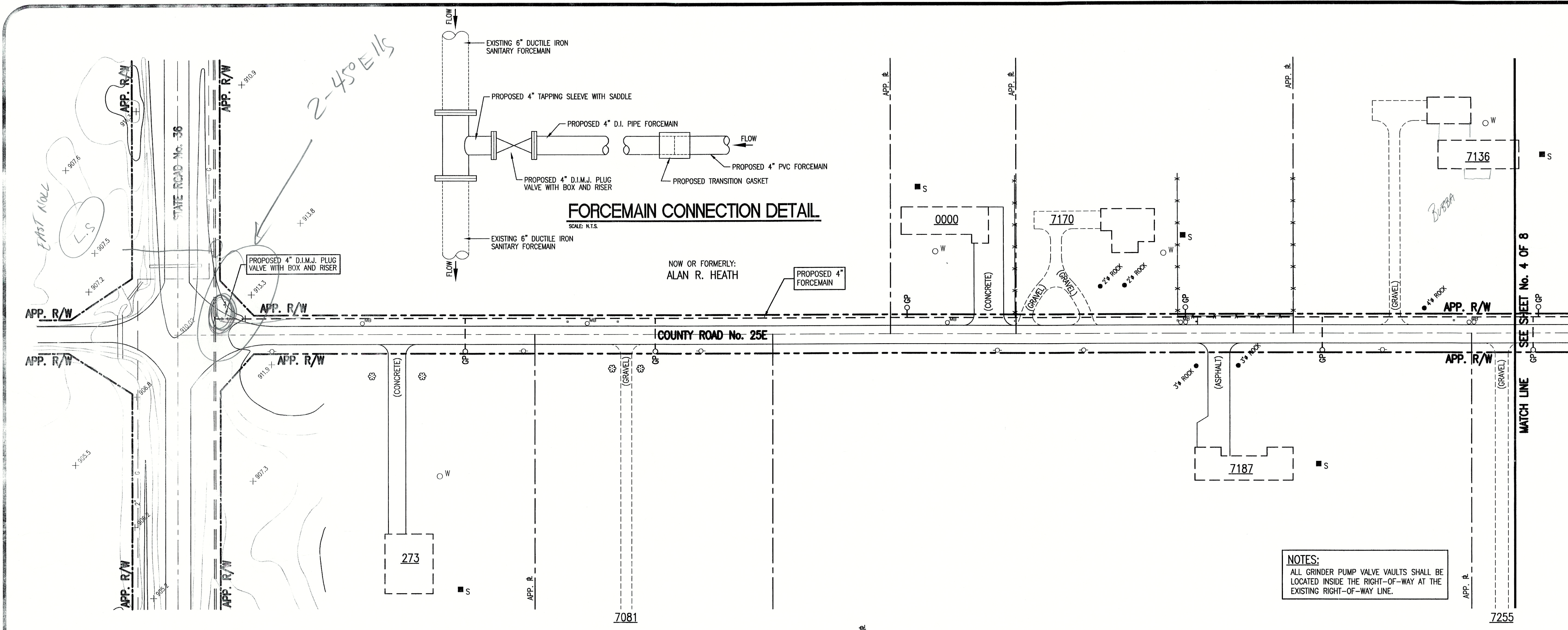
**SANITARY SEWER COLLECTION
SYSTEM BASE MAP**

JOB NUMBER: 980021	CHECKED BY: J.W.F.
SCALE: AS NOTED	PLOT DATE: 12/17/99
PLOT SCALE: 1"=150'	DATE: 04/12/98
DRAWN BY: D.A.P.	DESIGNED BY: D.A. Pauling
DRAWING NAME: CR25E_OA	

SHEET No.

02

OF 08



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



DON'T DIG BLIND
CALL BEFORE YOU DIG
TOLL FREE
1-800-382-5544
OUTSIDE INDIANA
1-800-428-5200

PER INDIANA STATE LAW IS-89-1891, IT IS
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

GENERAL NOTES:

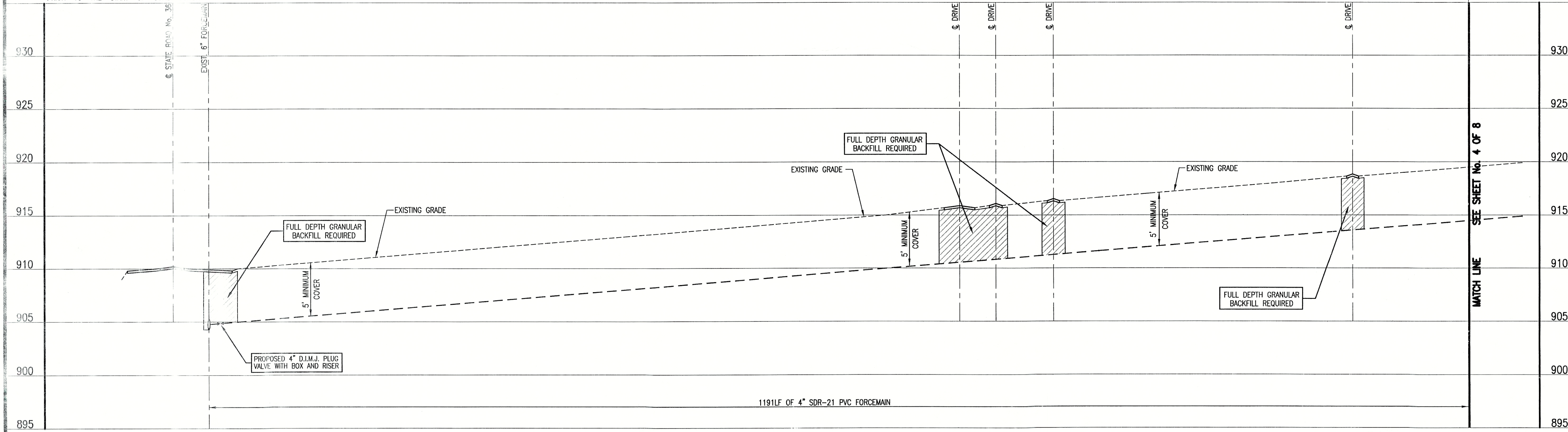
- ALL UTILITY LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL HAVE ALL UTILITIES FIELD VERIFIED AND MARKED PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN A MINIMUM 10'-0" HORIZONTAL AND 18" VERTICAL SEPARATION BETWEEN SEWER AND WATER MAINS.
- ALL PROPOSED TOP OF CASTING ELEVATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL ADJUST FINAL ELEVATIONS AS REQUIRED TO BE FLUSH WITH PAVEMENT.
- ALL SEWER TRENCHES SHALL BE BACKFILLED WITH FULL DEPTH COMPACTED GRANULAR BACKFILL ("B" BORROW) UNDER OR WITHIN 5' OF EDGE OF PAVEMENT.
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- ALL UTILITY CROSSINGS SHALL BE PROTECTED AND SUPPORTED WITH GRANULAR FILL OR CONCRETE AS REQUIRED PER THE DETAIL SHEET.

LEGEND:

- TREE
- POWER POLE
- GUY WIRE
- FIRE HYDRANT
- MAILBOX
- FLAGPOLE
- SPOT SHOT
- CONTOUR
- FENCE
- EXISTING SANITARY SEWER FORCEMAIN
- NEW SANITARY SEWER FORCEMAIN
- NEW GRINDER PUMP VAULT
- WATER LINE
- GAS LINE
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND TELEPHONE LINE
- APPROX. RIGHT-OF-WAY
- APPROX. CORPORATE LIMITS
- APPROX. PROPERTY LINE
- EXISTING WATER WELL
- EXISTING SEPTIC TANK
- EXISTING TELEPHONE RISER



SCALE:
HORIZONTAL 1" = 50'
VERTICAL 1" = 5'



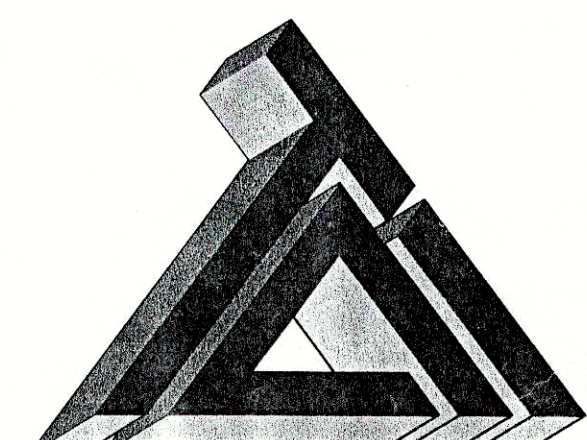
CONSULTANT:

REVISIONS:

DATE	DESCRIPTION	BY

APPROVED BY:

12-22-99



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

DESIGNED FOR:

SADDLE BROOK ADDITION
OWNER: MR. LARRY KEESLING

SHEET TITLE:
**SANITARY SEWER COLLECTION
SYSTEM PLAN AND PROFILES**

JOB NUMBER: 980021	CHECKED BY: J.W.F.
SCALE: AS NOTED	PLOT DATE: 12/22/99
PLOT SCALE: 1"=50'	DATE: 04/12/98
DRAWN BY: DAP	DESIGNED BY: D.A. Pauling
DRAWING NAME: CR25E_C1	

SHEET No.

03

OF 03

CONSULTANT:

REVISIONS:

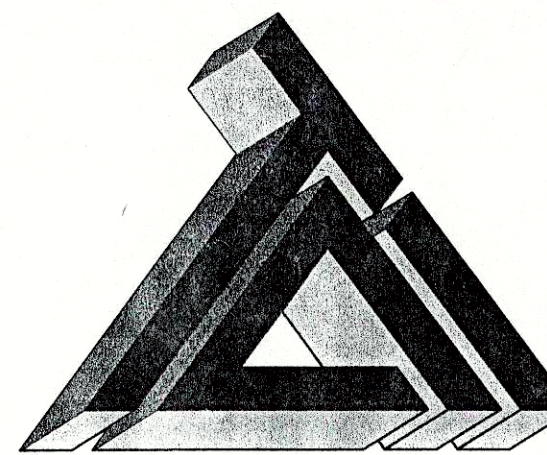
DATE	DESCRIPTION	BY

APPROVED BY:

12-22-99



Thomas M. Schubert, P.E.



TRIAD ASSOCIATES INC.
5835 LAWTON LOOP EAST DRIVE
INDIANAPOLIS, INDIANA 46216
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DESIGNED FOR:

SADDLE BROOK ADDITION
OWNER: MR. LARRY KEESLING

SHEET TITLE:

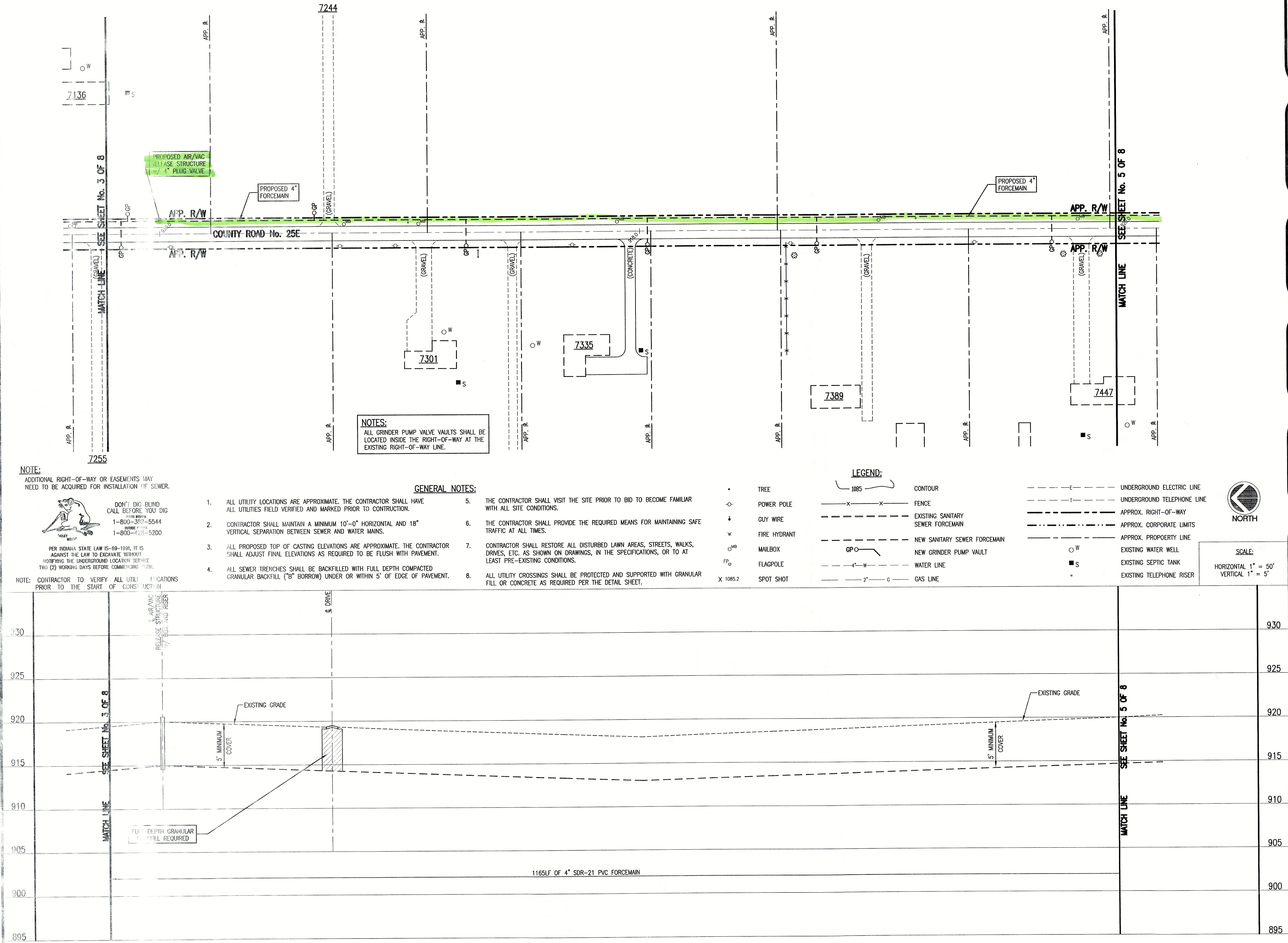
SANITARY SEWER COLLECTION
SYSTEM PLAN AND PROFILES

JOB NUMBER: 980021	CHECKED BY: J.W.F.
SCALE: AS NOTED	PLOT DATE: 12/21/99
PLOT SCALE: 1"=50'	DATE: 04/12/98
DRAWN BY: DAP	DESIGNED BY: D.A. Pauling
DRAWING NAME: CR25E_C2	

SHEET No.

04

OF 08



CONSULTANT:

REVISIONS:		
DATE	DESCRIPTION	BY

APPROVED BY: 12-22-99

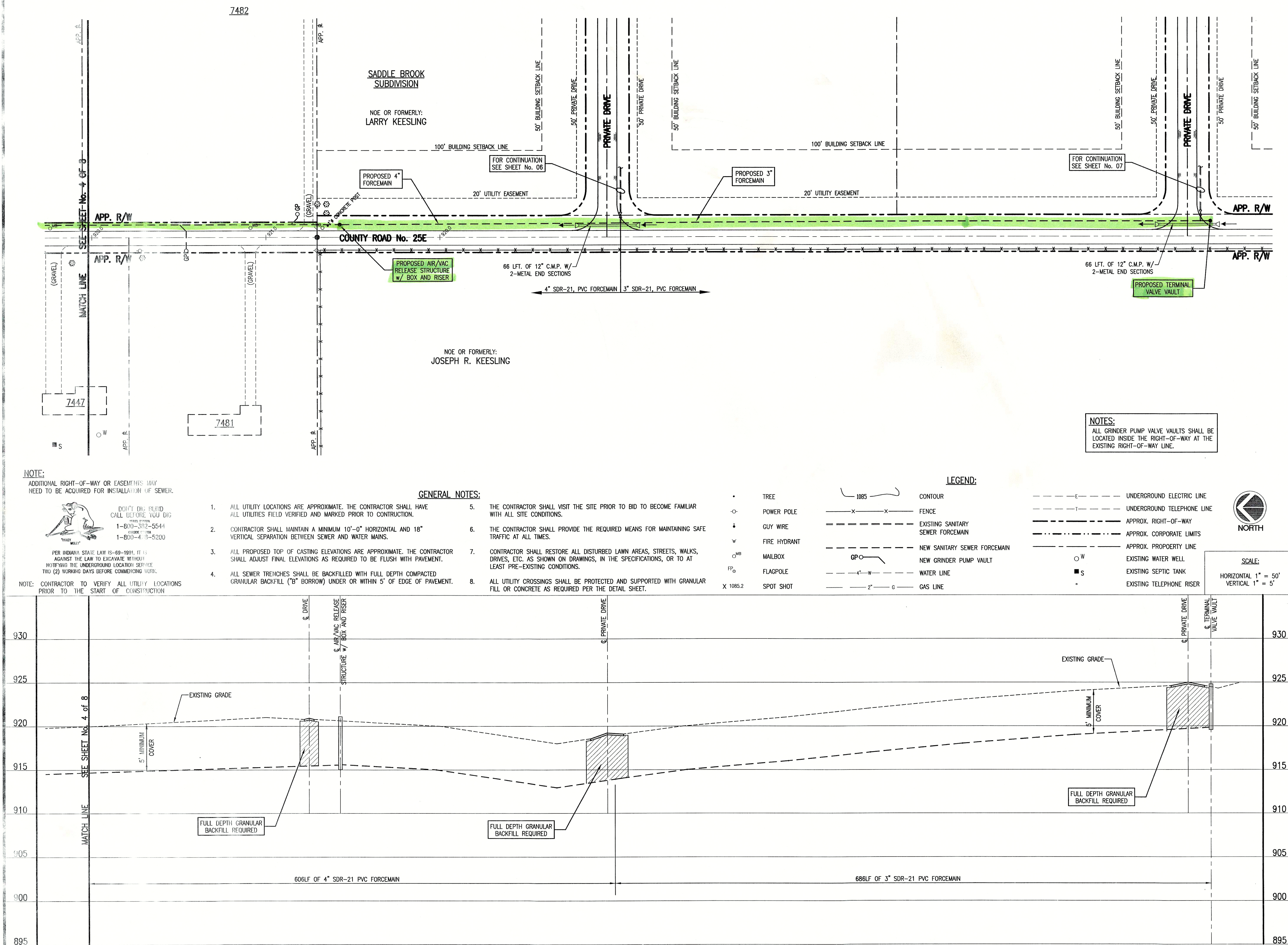
THOMAS M. SCHUBERT
REGISTERED
No.
15614
STATE OF
INDIANA
PROFESSIONAL ENGINEER

Thomas Schubert
Thomas M. Schubert, P.E.



DESIGNED FOR:	
SADDLE BROOK ADDITION	
OWNER: MR. LARRY KEESLING	
SHEET TITLE:	
SANITARY SEWER COLLECTION SYSTEM PLAN AND PROFILES	
JOB NUMBER: 980021	
SCALE: AS NOTED	CHECKED BY: J.W.F.
PLOT SCALE: 1=50	PLOT DATE: 12/19/99
DRAWN BY: DAP	DATE: 04/12/98
DESIGNED BY: D.A. Pauling	
DRAWING NAME: CR25E C3	

SHEET No. **05**
OF 08



CONSULTANT:

REVISIONS:

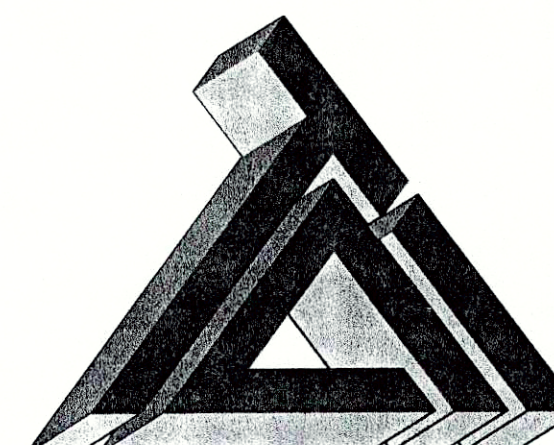
DATE	DESCRIPTION	BY

APPROVED BY:

12-22-99



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SHEET TITLE:

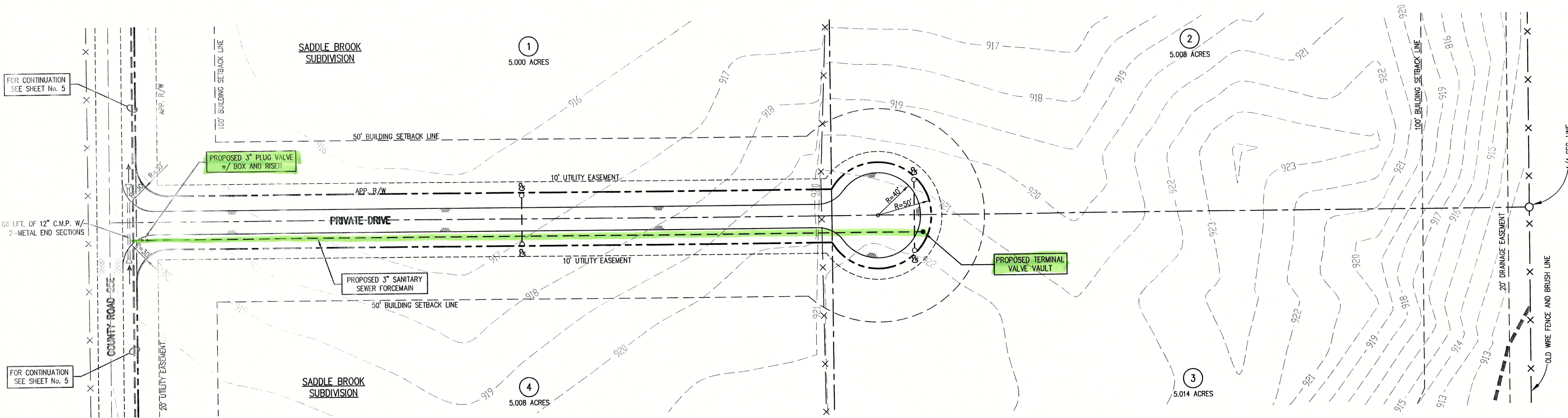
**SANITARY SEWER COLLECTION
SYSTEM PLAN AND PROFILE**

JOB NUMBER: 980021	CHECKED BY: J.W.F.
SCALE: AS NOTED	PLOT DATE: 12/22/99
PLOT SCALE: 1"=50'	DATE: 04/12/98
DRAWN BY: DAP	DESIGNED BY: D.A. Pauling
DRAWING NAME: CR25E C4	

SHEET No.

06

OF 03



NOTES:
ALL GRINDER PUMP VALVE VAULTS SHALL BE LOCATED INSIDE THE RIGHT-OF-WAY AT THE EXISTING RIGHT-OF-WAY LINE.

LEGEND:

1085	CONTOUR	---	UNDERGROUND ELECTRIC LINE
X	FENCE	---	UNDERGROUND TELEPHONE LINE
---	EXISTING SANITARY SEWER FORCEMAIN	---	APPROX. RIGHT-OF-WAY
---	NEW SANITARY SEWER FORCEMAIN	---	APPROX. CORPORATE LIMITS
GP	NEW GRINDER PUMP VAULT	---	APPROX. PROPERTY LINE
---	WATER LINE	○ W	EXISTING WATER WELL
---	GAS LINE	■ S	EXISTING SEPTIC TANK
---		•	EXISTING TELEPHONE RISER



SCALE:
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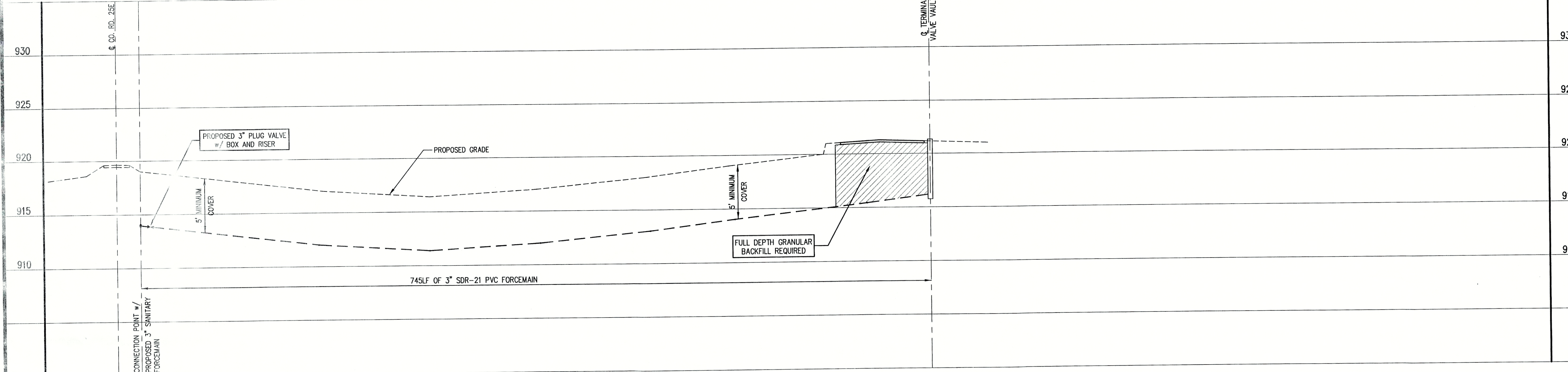


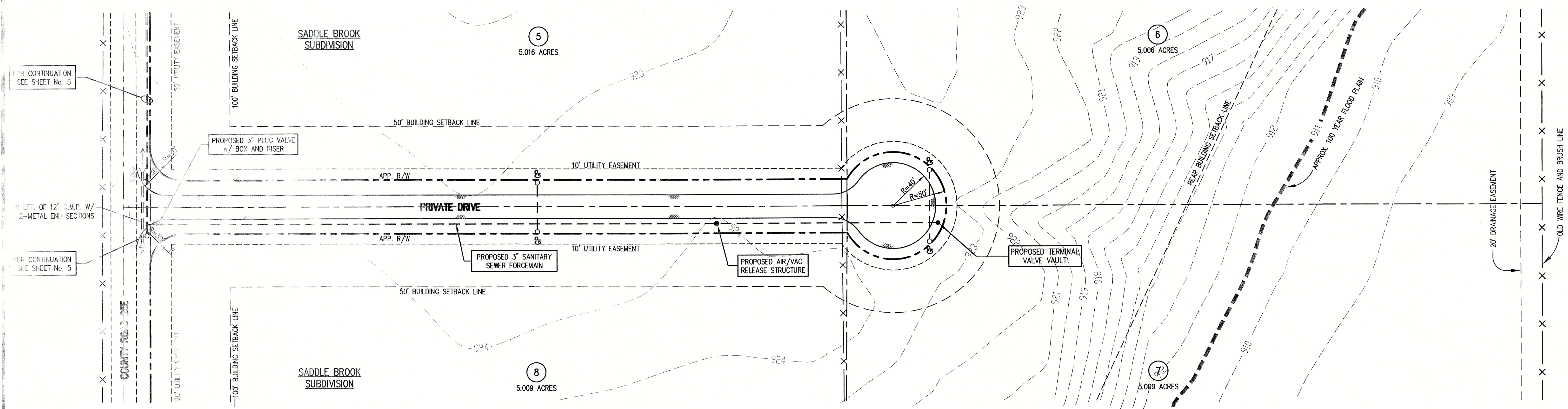
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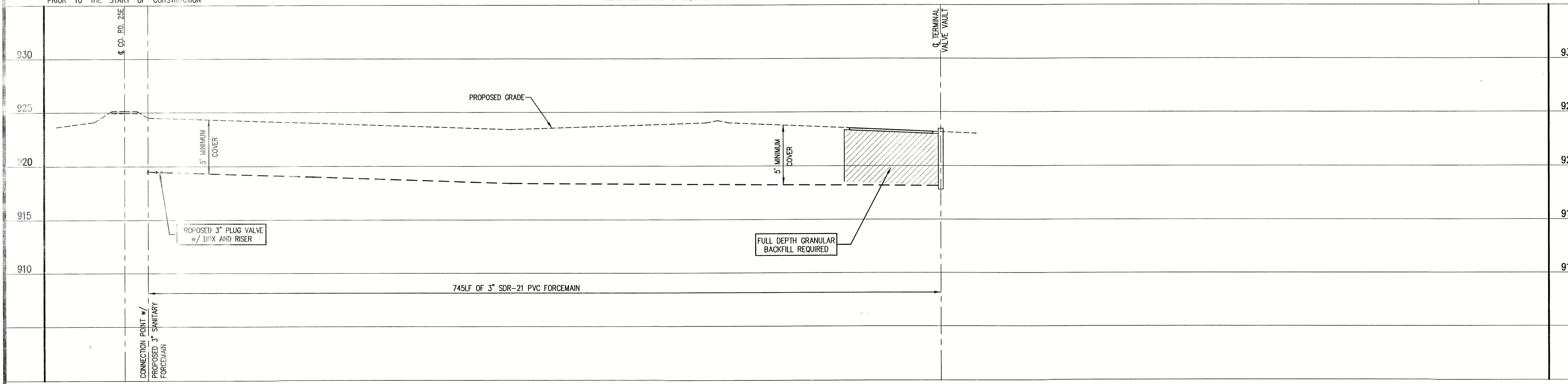
- TREE
- POWER POLE
- GUY WIRE
- ⋈ FIRE HYDRANT
- ⊕ MAILBOX
- ⊕ FLAGPOLE
- X 1085.2 SPOT SHOT

LEGEND:

- 1085 CONTOUR
- FENCE
- EXISTING SANITARY SEWER FORCEMAIN
- NEW SANITARY SEWER FORCEMAIN
- NEW GRINDER PUMP VAULT
- 4" W WATER LINE
- 2" G GAS LINE
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND TELEPHONE LINE
- APPROX. RIGHT-OF-WAY
- APPROX. CORPORATE LIMITS
- APPROX. PROPERTY LINE
- W EXISTING WATER WELL
- S EXISTING SEPTIC TANK
- EXISTING TELEPHONE RISER



SCALE:
HORIZONTAL 1" = 50'
VERTICAL 1" = 5'



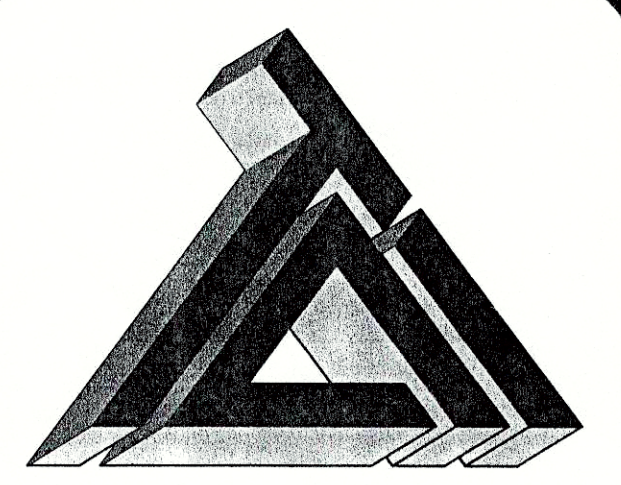
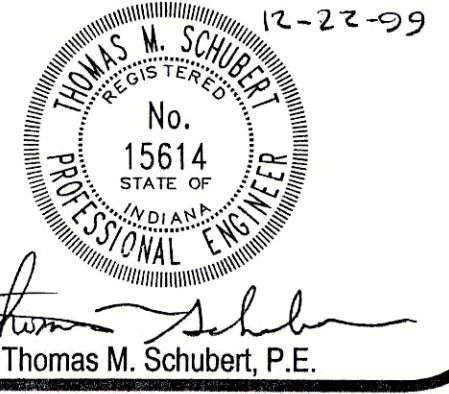
NOTES:
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EXISTING RIGHT-OF-WAY LINE.

CONSULTANT:

REVISIONS:

DATE	DESCRIPTION	BY

APPROVED BY:



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

DESIGNED FOR:

**SADDLE BROOK ADDITION
OWNER: MR. LARRY KEESLING**

SHEET TITLE:
SANITARY SEWER COLLECTION
SYSTEM PLAN AND PROFILE

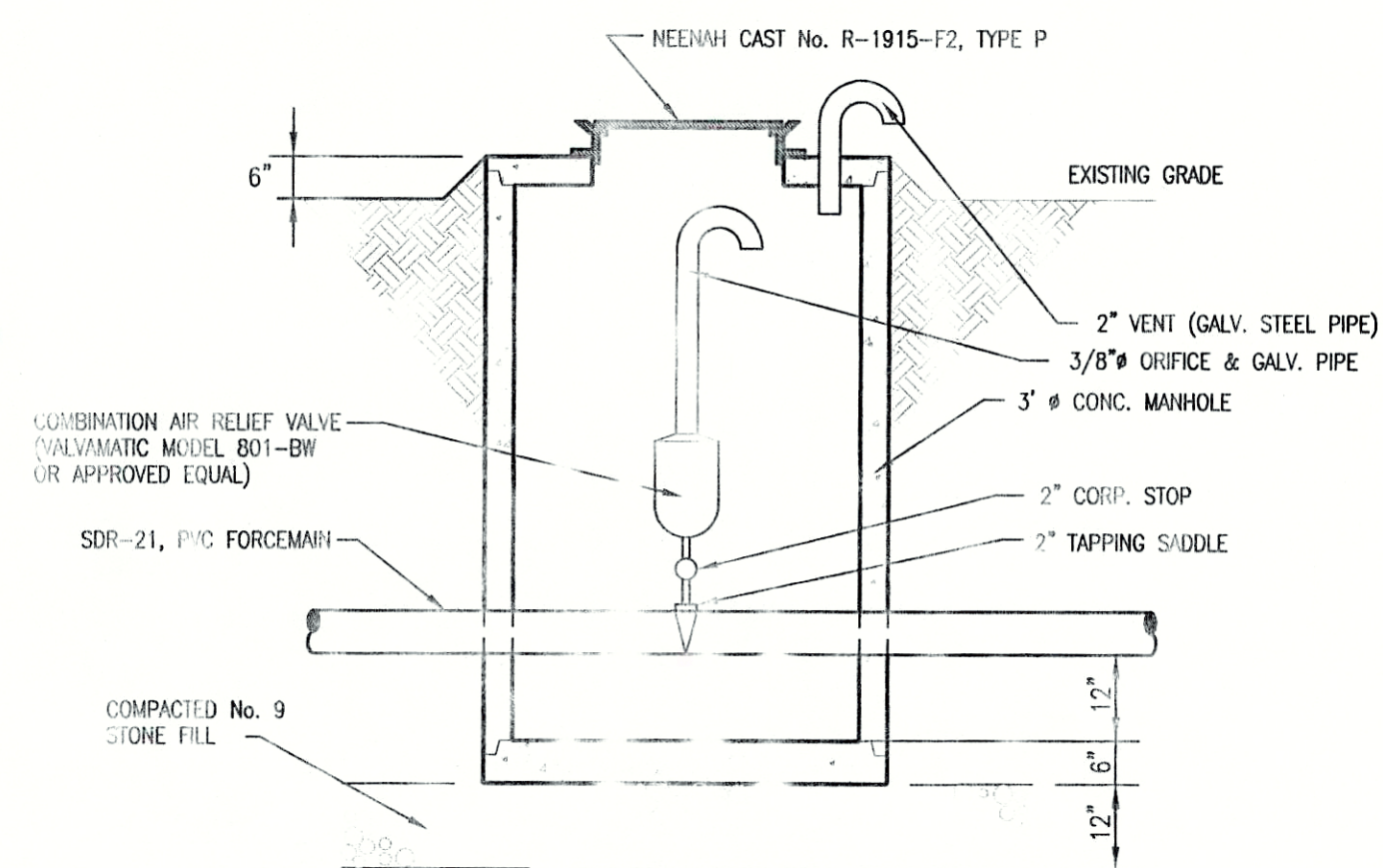
JOB NUMBER: 980021
SCALE: AS NOTED
PLOT SCALE: 1"=50'
DRAWN BY: DAP
DESIGNED BY: D.A. Pauling
DRAWING NAME: CR25E_C5

CHECKED BY: J.W.F.
PLOT DATE: 12/22/99
DATE: 04/12/98

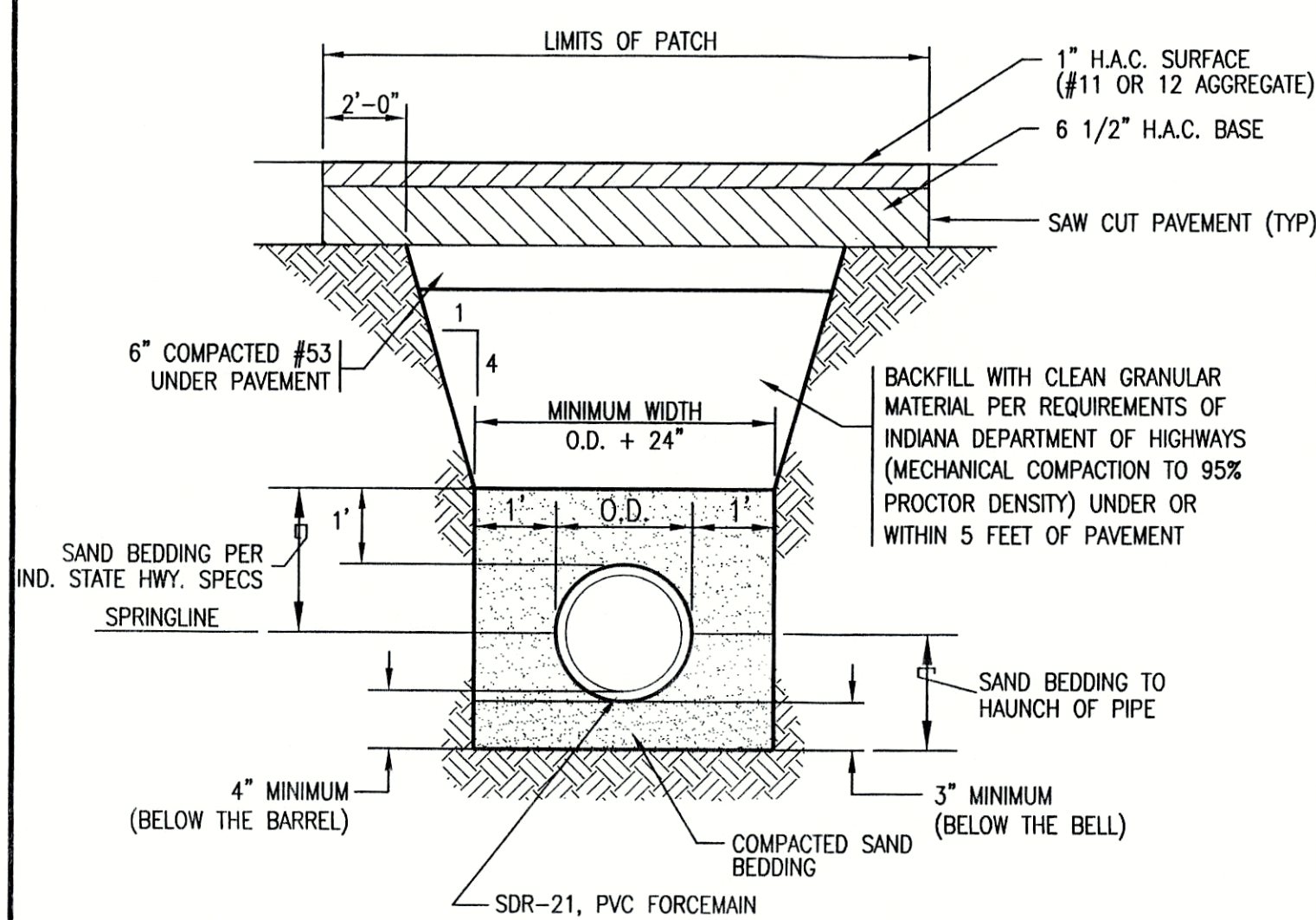
SHEET No.

07

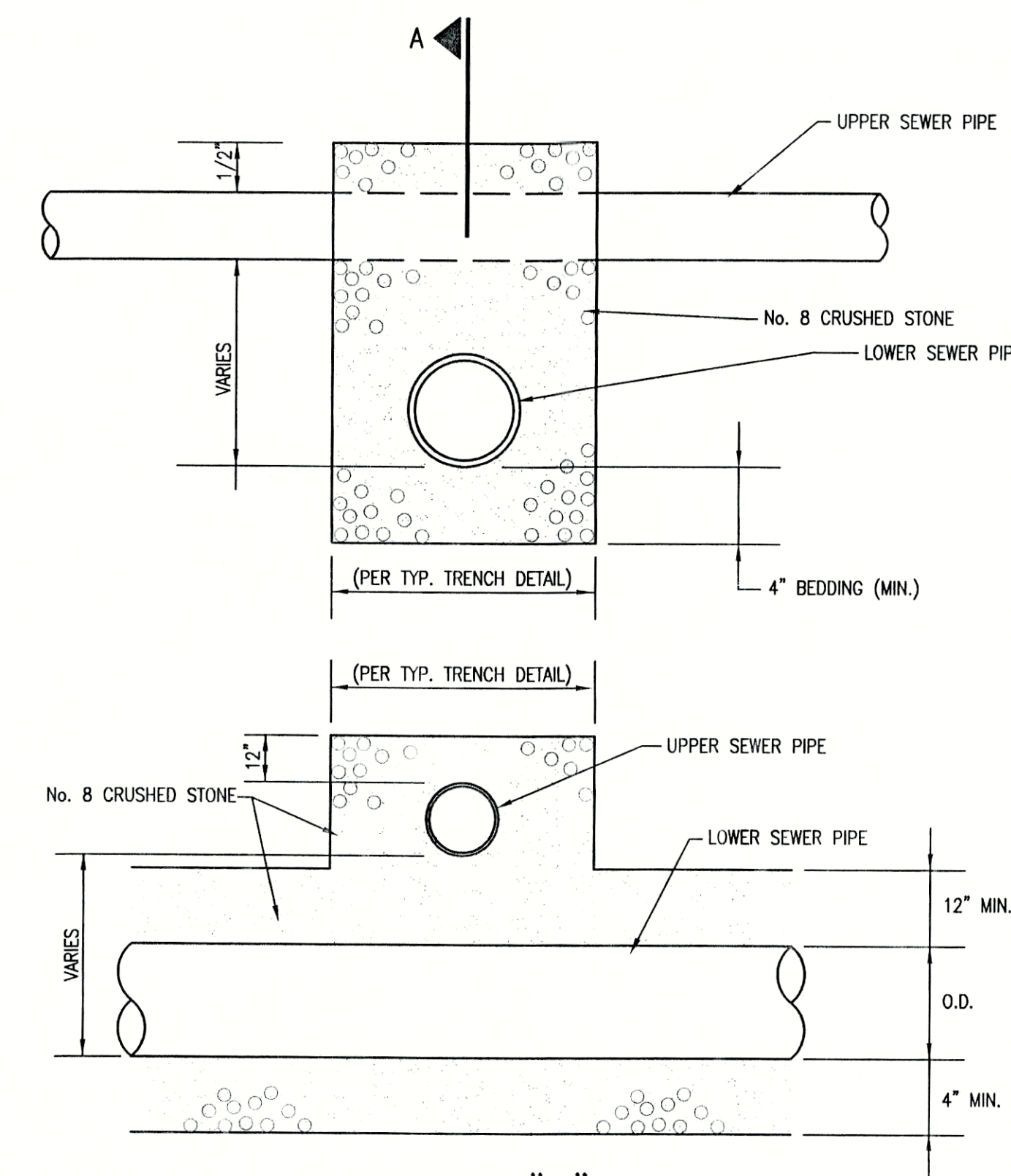
OF 08



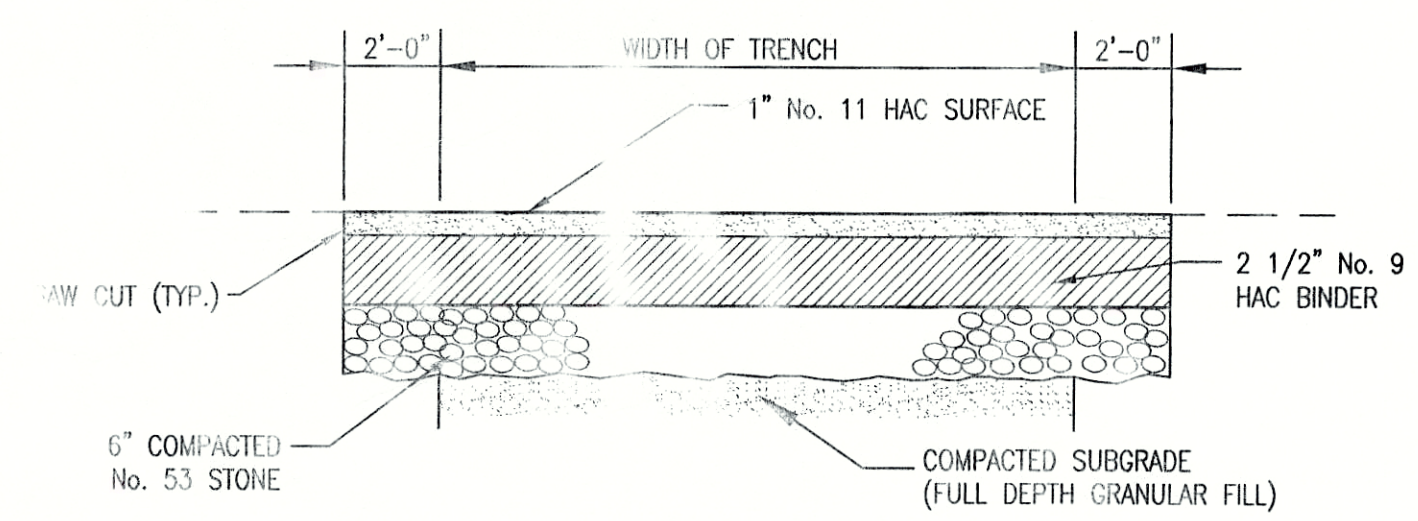
1 AIR / VAC RELIEF STRUCTURE
SCALE: N.T.S.



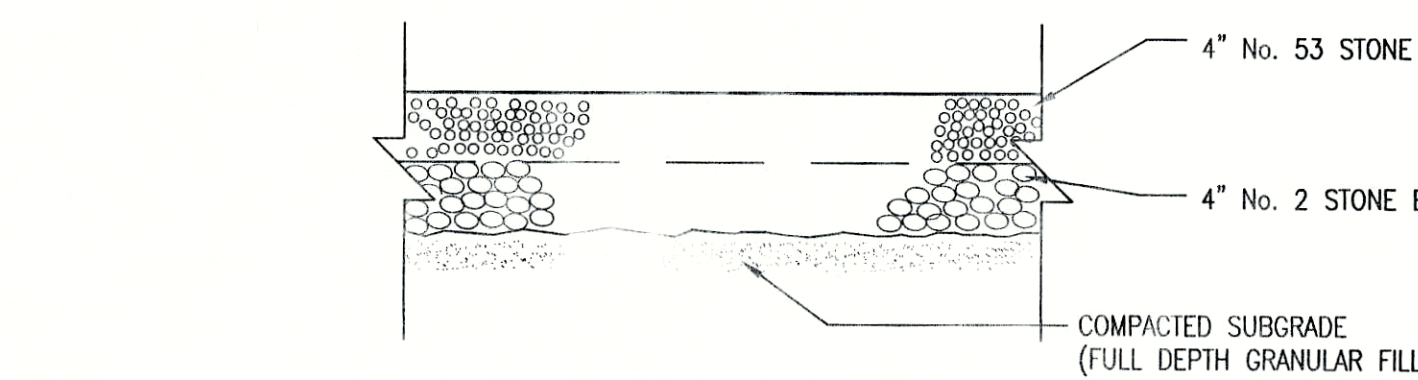
2 TYPICAL TRENCH AND PAVEMENT PATCH DETAIL
SCALE: N.T.S.



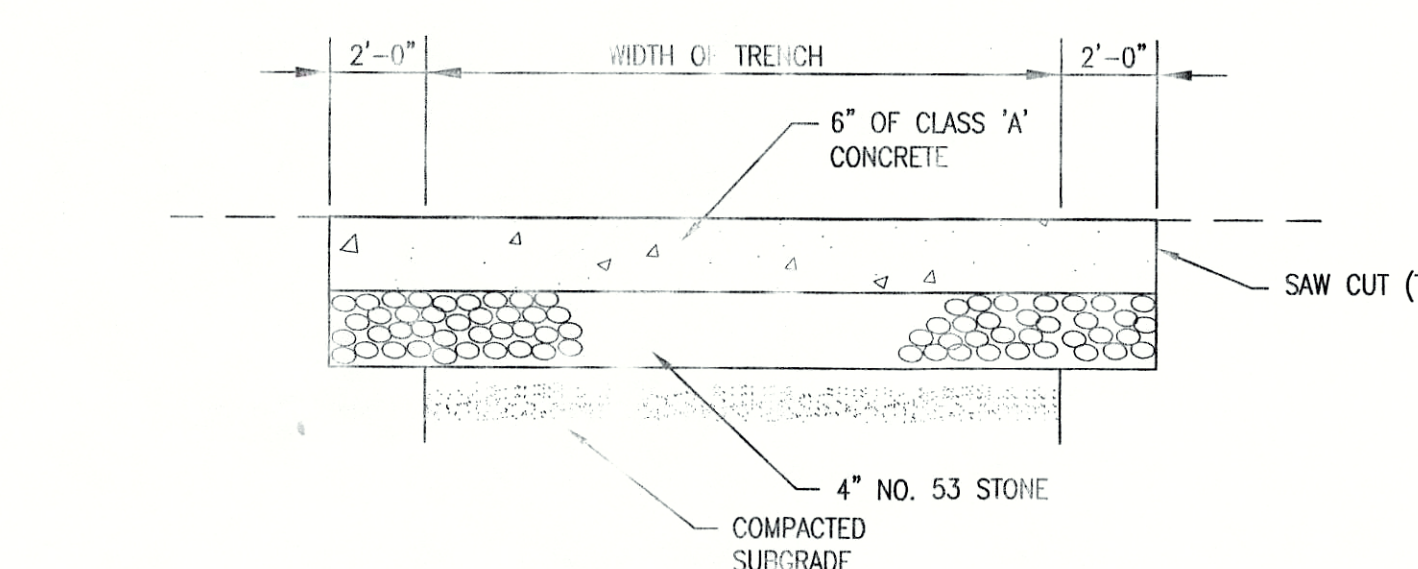
3 STORM SEWER/SANITARY SEWER CROSSING DETAIL
SCALE: N.T.S.



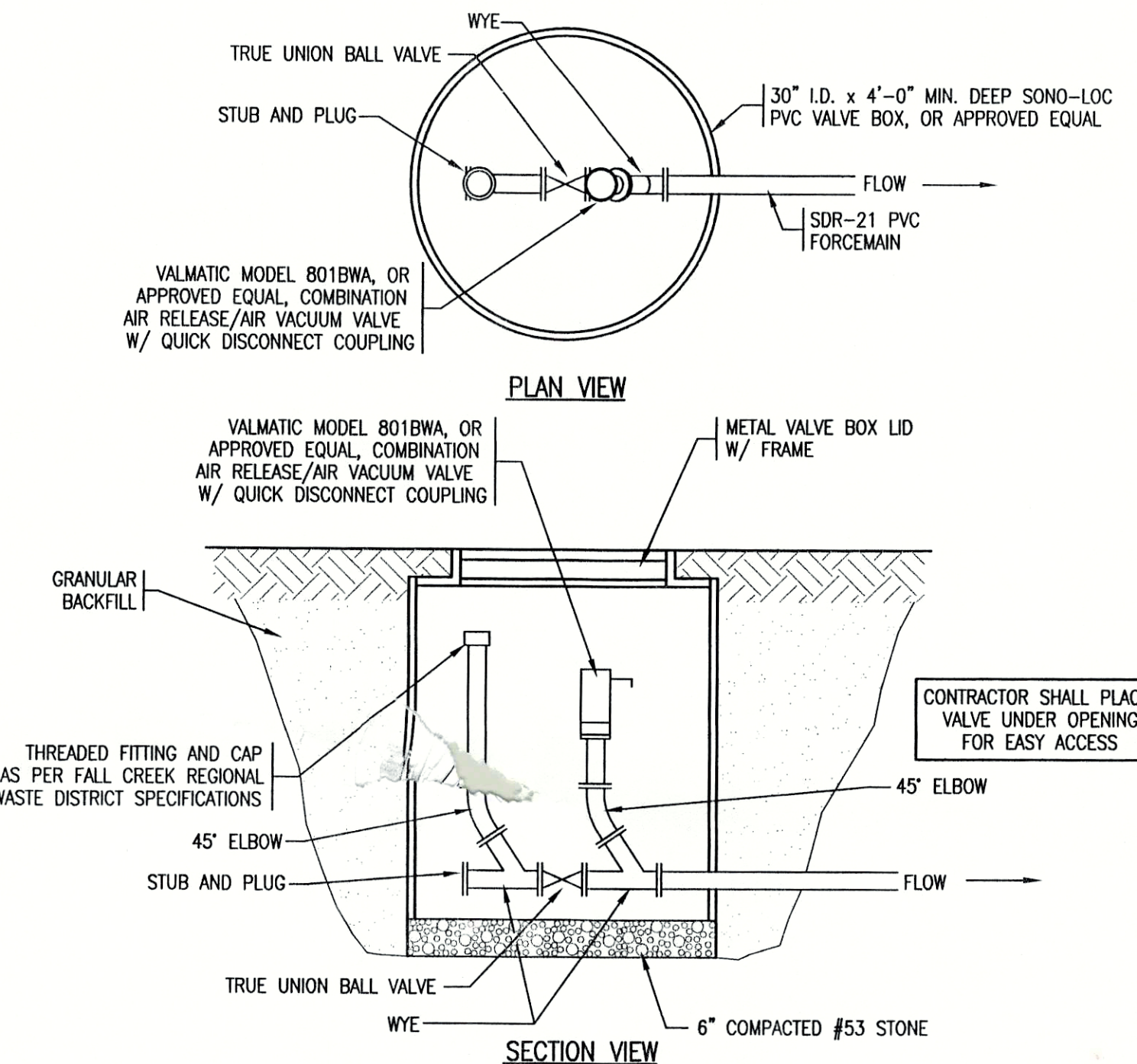
5 ASPHALT DRIVE REPAIR DETAIL
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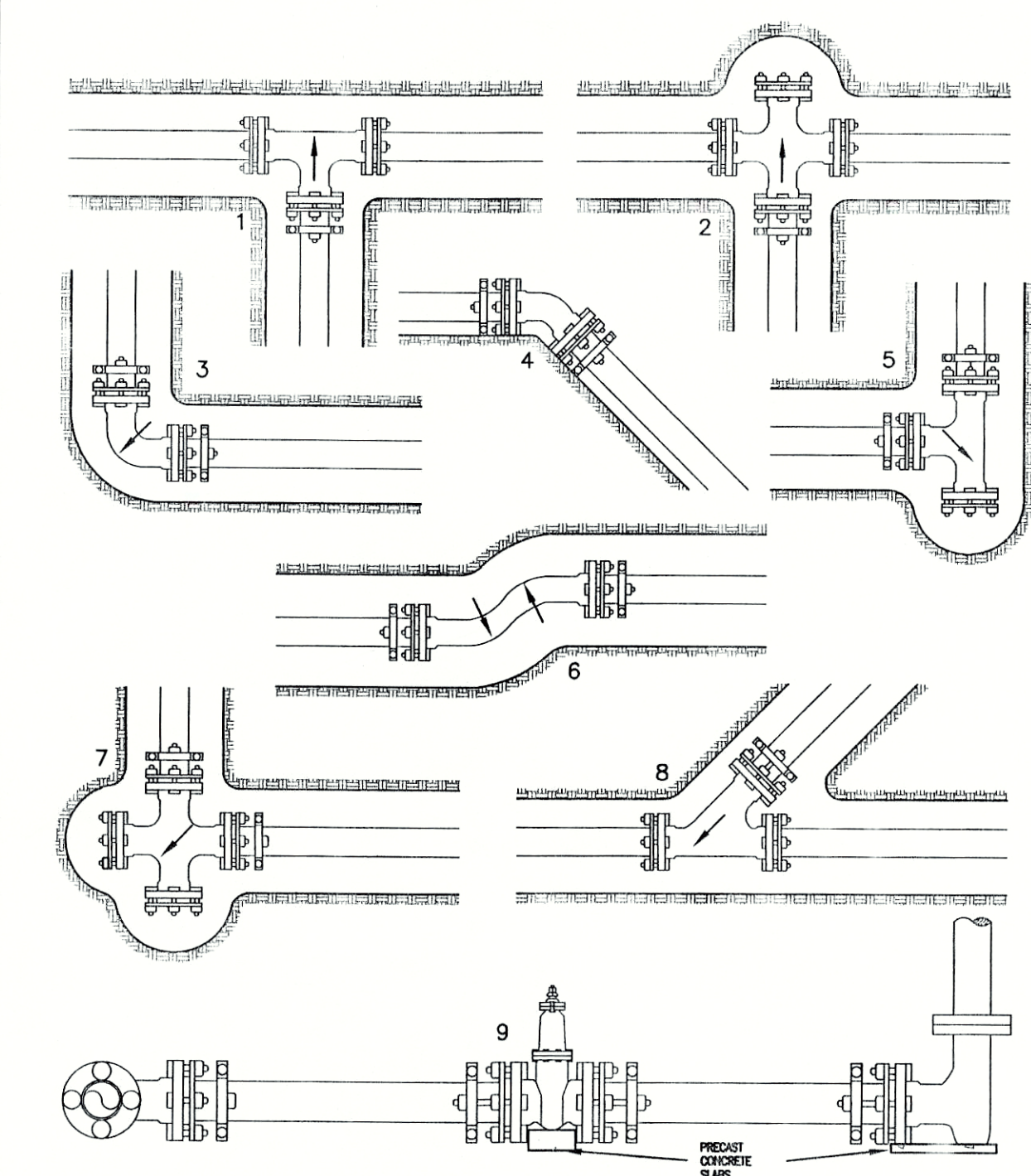
6 STONE DRIVE REPAIR DETAIL
SCALE: N.T.S.



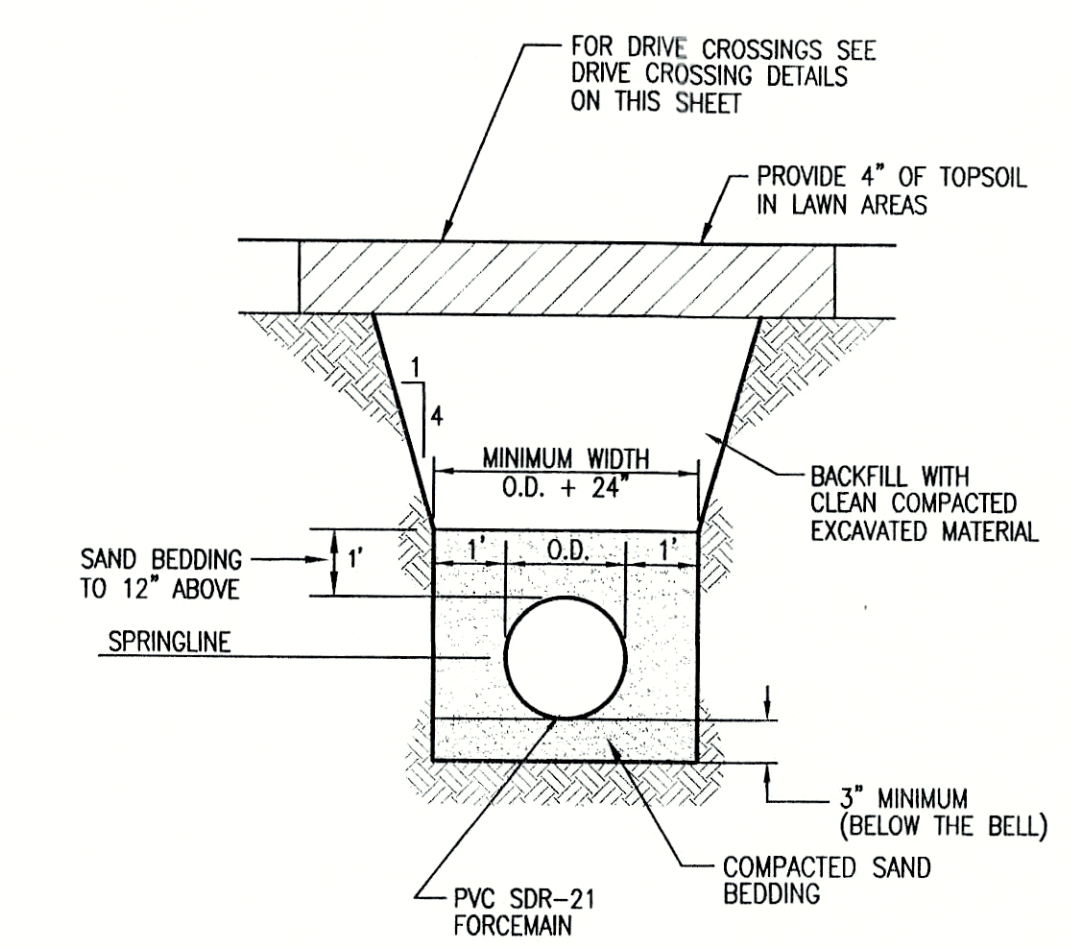
7 CONCRETE DRIVE REPAIR DETAIL
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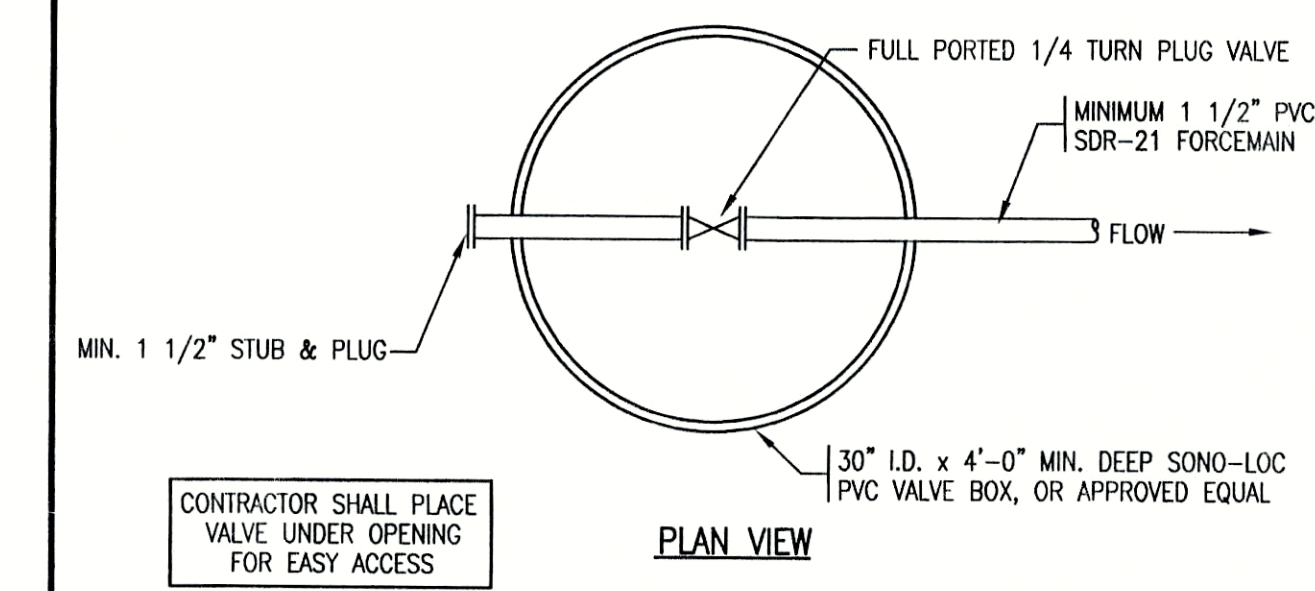
8 TERMINAL VALVE VAULT w/ AIR/VAC RELEASE STRUCTURE
NOT TO SCALE



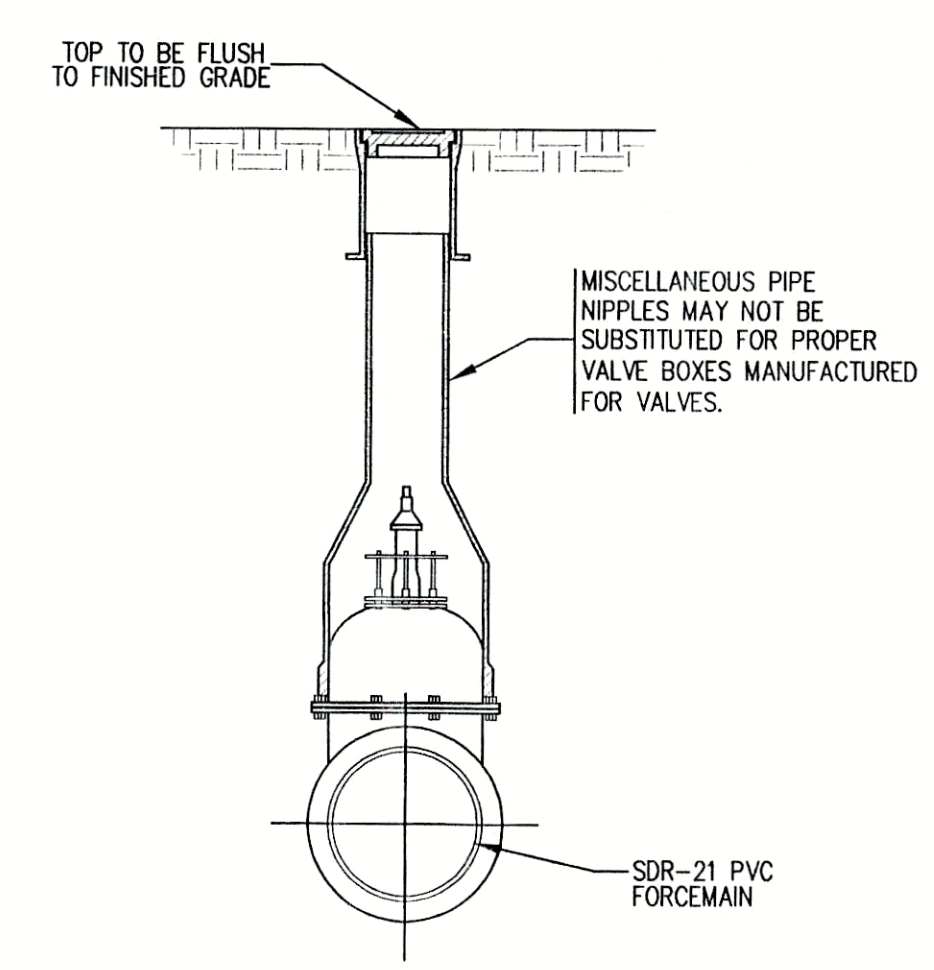
9 TYPES OF JOINT RESTRAINING
SCALE: N.T.S.



4 TYPICAL FORCEMAIN SEWER TRENCH DETAIL (LAWN AREA)
SCALE: N.T.S.



10 STANDARD SERVICE CONNECTION VALVE VAULT
NOT TO SCALE



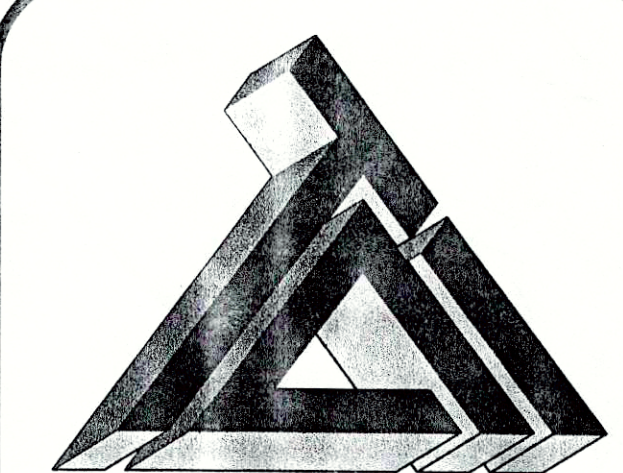
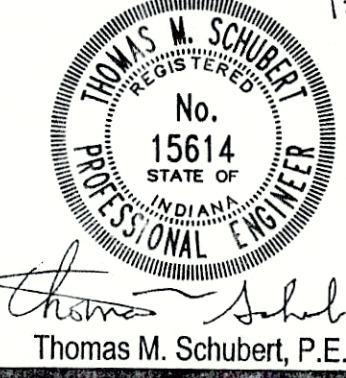
11 VALVE BOX SECTION
SCALE: N.T.S.

CONSULTANT:

REVISIONS:

DATE	DESCRIPTION	BY

APPROVED BY:



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

DESIGNED FOR:

SADDLE BROOK ADDITION
OWNER: MR. LARRY KEESLING

SHEET TITLE:
SANITARY SEWER COLLECTION SYSTEM STANDARD DETAILS

JOB NUMBER: 980021	CHECKED BY: J.W.F.
SCALE: AS NOTED	DATE: 12/22/99
PLOT SCALE: 1"=1'	DATE: 04/12/98
DRAWN BY: D.A.P.	
DESIGNED BY: D.A. Pauling	
DRAWING NAME: CR25E D1	

SHEET No.

08

OF 08