

JEFFERSON PLACE, COUNTY ROAD 675W AND COUNTY ROAD 600W SANITARY SEWER PROJECT

PROJECT FOR THE
FALL CREEK REGIONAL WASTE DISTRICT
MADISON CO., IN.

1998

SRF PROJECT NO. CS 18207701

DIVISION II

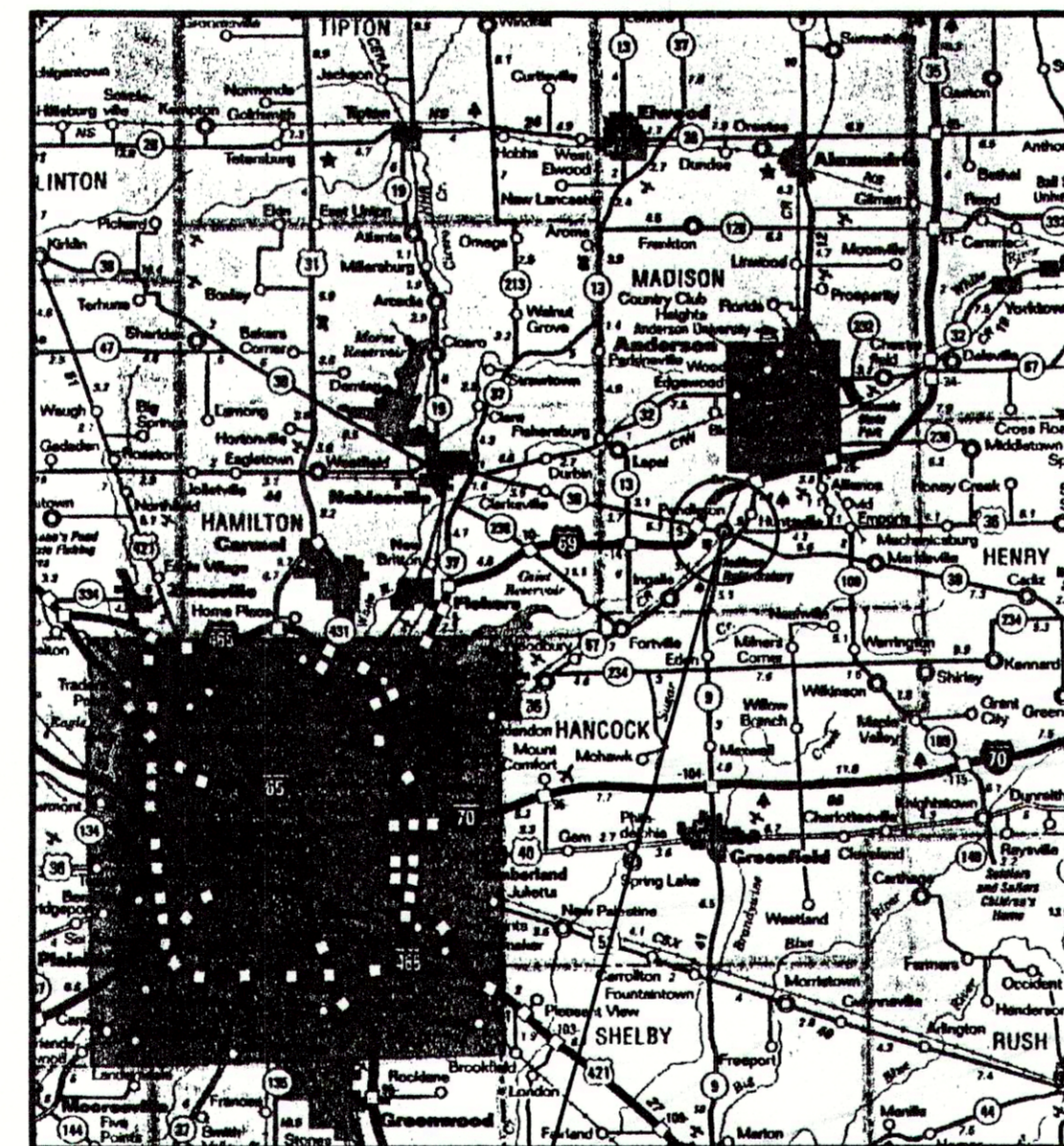
CONTRACT 'D'

JOE ROWLETT - GENERAL MANAGER

SHEET INDEX

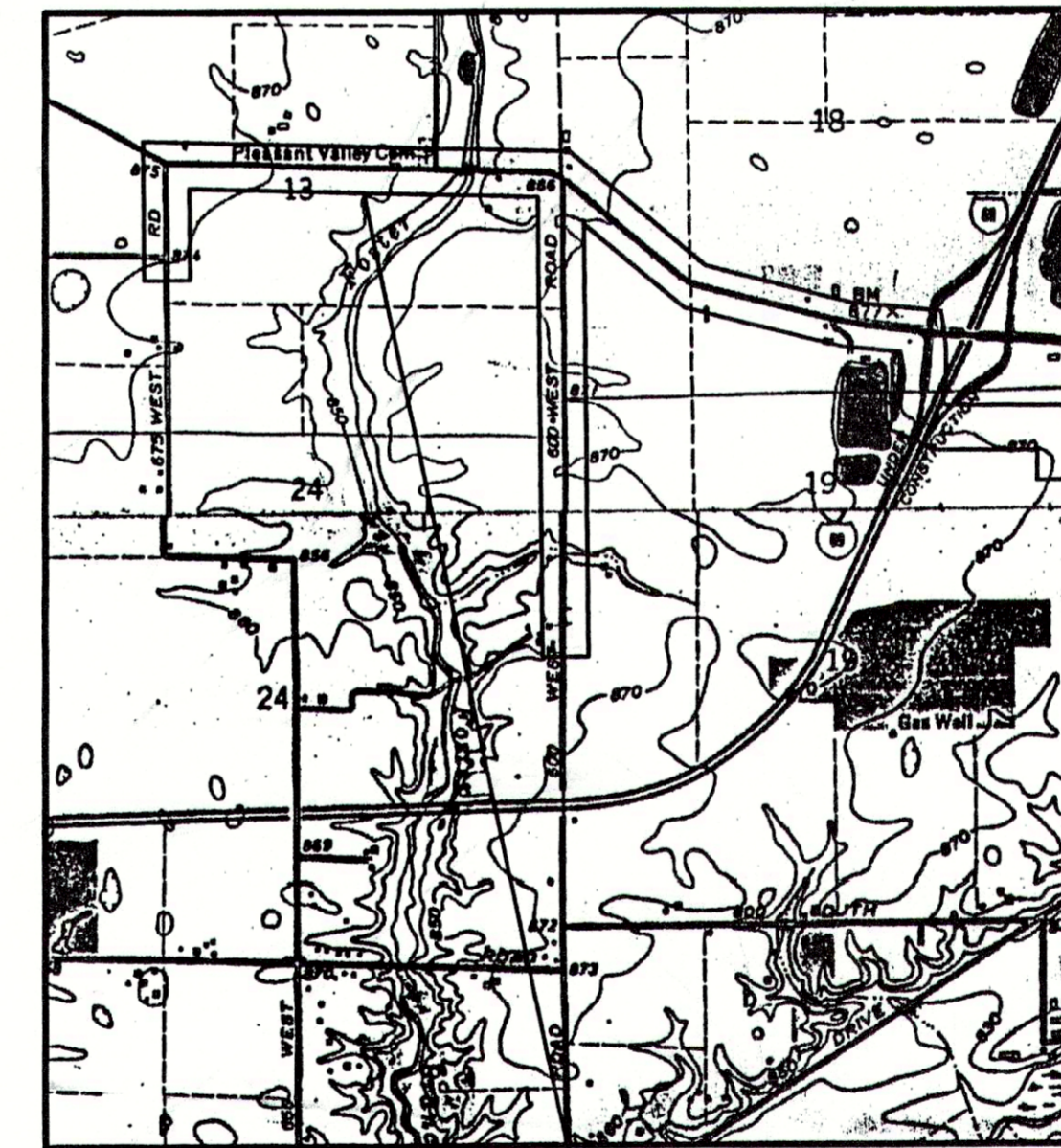
SHEET NO.	DESCRIPTION
1	TITLE SHEET AND INDEX
2-3	PROJECT BASE MAP
4-17	PLAN AND PROFILES
18	LIFT STATION DETAILS
19-20	STANDARD SANITARY DETAILS

AREA MAP



AREA LOCATION

LOCATION MAP



PROJECT LOCATION



FALL CREEK REGIONAL WASTE DISTRICT BOARD

Mr. William Clark - President
Mr. Morris McCurdy - Member
Mr. Doug McGee - Member
Mr. Mark Jablonski - Member
Mr. Agon Tolbert - Member
Mr. Dallas Foster - Member
Mr. Jack Kasdorf - Member
Mr. Timothy Green - Member
Mr. John Ellingwood - Member
Mr. Joe Rowlett - General Manager

ATTORNEY

Mr. Randall Sorrell

RECORD DRAWING
APRIL 2001

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
800-382-5544
800-428-5200

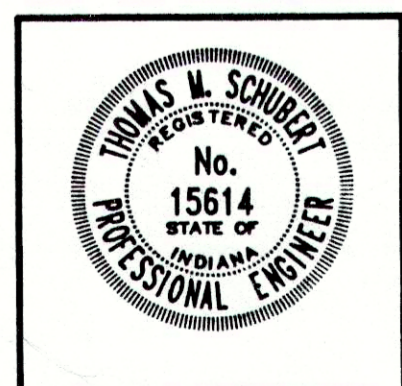
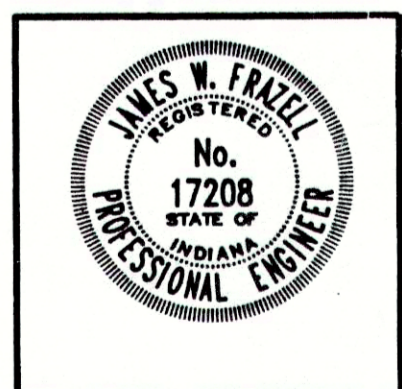
PER INDIANA STATE LAW IS-89-1991, IT IS
AGAINST THE LAW TO EXCAVATE WITHOUT
NOTIFYING THE UNDERGROUND LOCATION SERVICE
TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

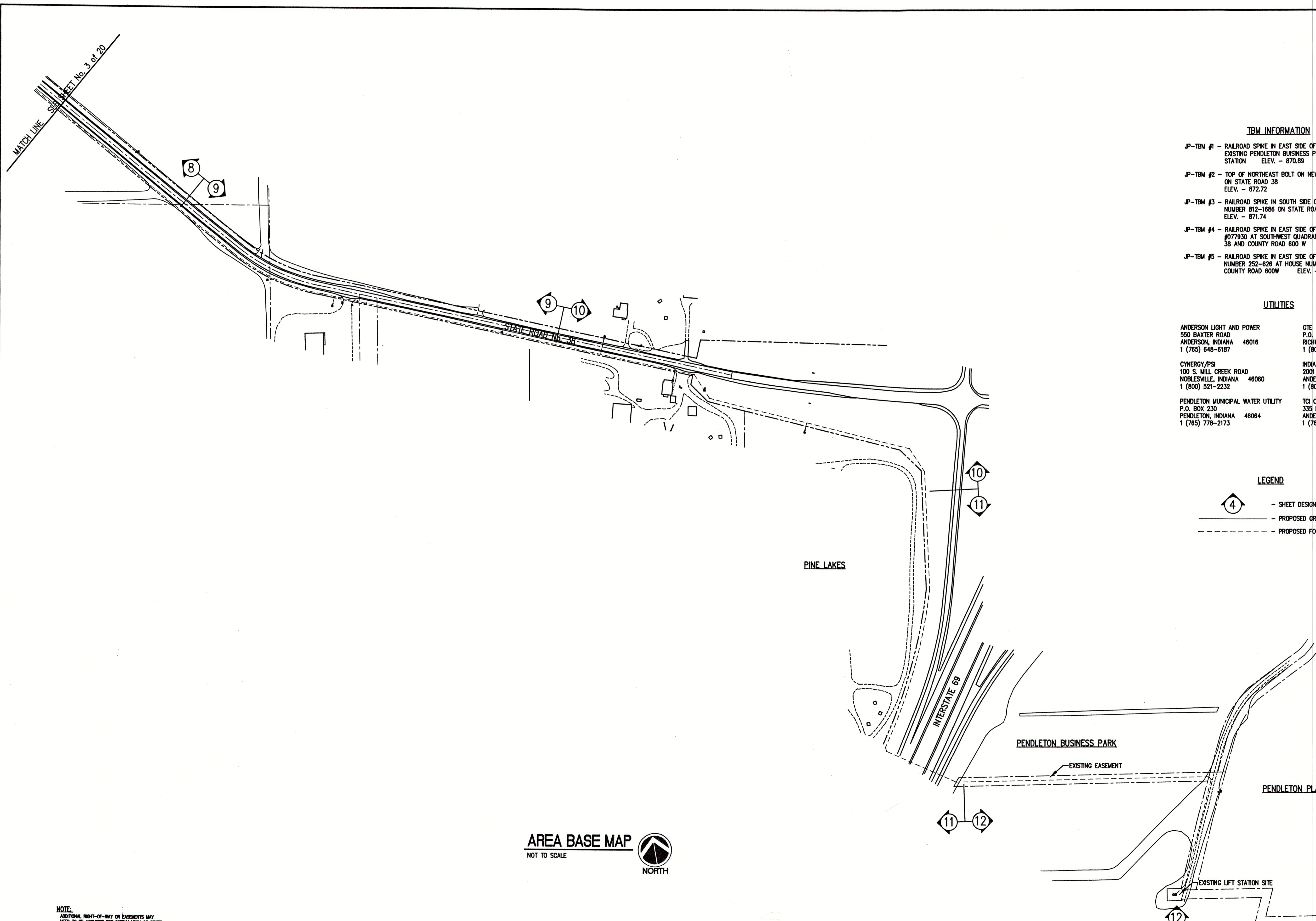
NOTE: CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS
PRIOR TO THE START OF CONSTRUCTION

THESE PLANS CERTIFIED BY:

James W. Frazell, Professional Engineer

Thomas M. Schubert, Professional Engineer





- TBM INFORMATION**
- JP-TBM #1 - RAILROAD SPIKE IN EAST SIDE OF POWERPOLE AT EXISTING PENDLETON BUSINESS PARK LIFT STATION ELEV. - 870.89
 - JP-TBM #2 - TOP OF NORTHEAST BOLT ON NEW HOLLAND SIGN ON STATE ROAD 38 ELEV. - 872.72
 - JP-TBM #3 - RAILROAD SPIKE IN SOUTH SIDE OF POWERPOLE NUMBER 812-1686 ON STATE ROAD 38 ELEV. - 871.74
 - JP-TBM #4 - RAILROAD SPIKE IN EAST SIDE OF POWERPOLE #077930 AT SOUTHWEST QUADRANT OF STATE ROAD 38 AND COUNTY ROAD 600 W ELEV. - 864.74
 - JP-TBM #5 - RAILROAD SPIKE IN EAST SIDE OF POWERPOLE NUMBER 252-626 AT HOUSE NUMBER 7117 ON COUNTY ROAD 600W ELEV. - 866.15

- UTILITIES**
- | | |
|---|--|
| ANDERSON LIGHT AND POWER
550 BAXTER ROAD
ANDERSON, INDIANA 48016
1 (765) 648-6187 | GTE
P.O. BOX 1406
RICHMOND, INDIANA 47375
1 (800) 483-5600 |
| CYNERGY/PSI
100 S. MILL CREEK ROAD
NOBLESVILLE, INDIANA 46060
1 (800) 521-2232 | INDIANA GAS COMPANY, INC.
2001 LOUISE STREET
ANDERSON, INDIANA 46016
1 (800) 777-2060 |
| PENDLETON MUNICIPAL WATER UTILITY
P.O. BOX 230
PENDLETON, INDIANA 46064
1 (765) 778-2173 | TCI OF CENTRAL INDIANA
335 E. 10th STREET
ANDERSON, INDIANA 46016
1 (765) 649-0407 |

- LEGEND**
- SHEET DESIGNATION
 - PROPOSED GRAVITY SEWER
 - PROPOSED FORCEMAIN

AREA BASE MAP
NOT TO SCALE

NORTH

NOTE:
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DON'T DIG BLIND
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1-800-367-5544
1-800-426-5200

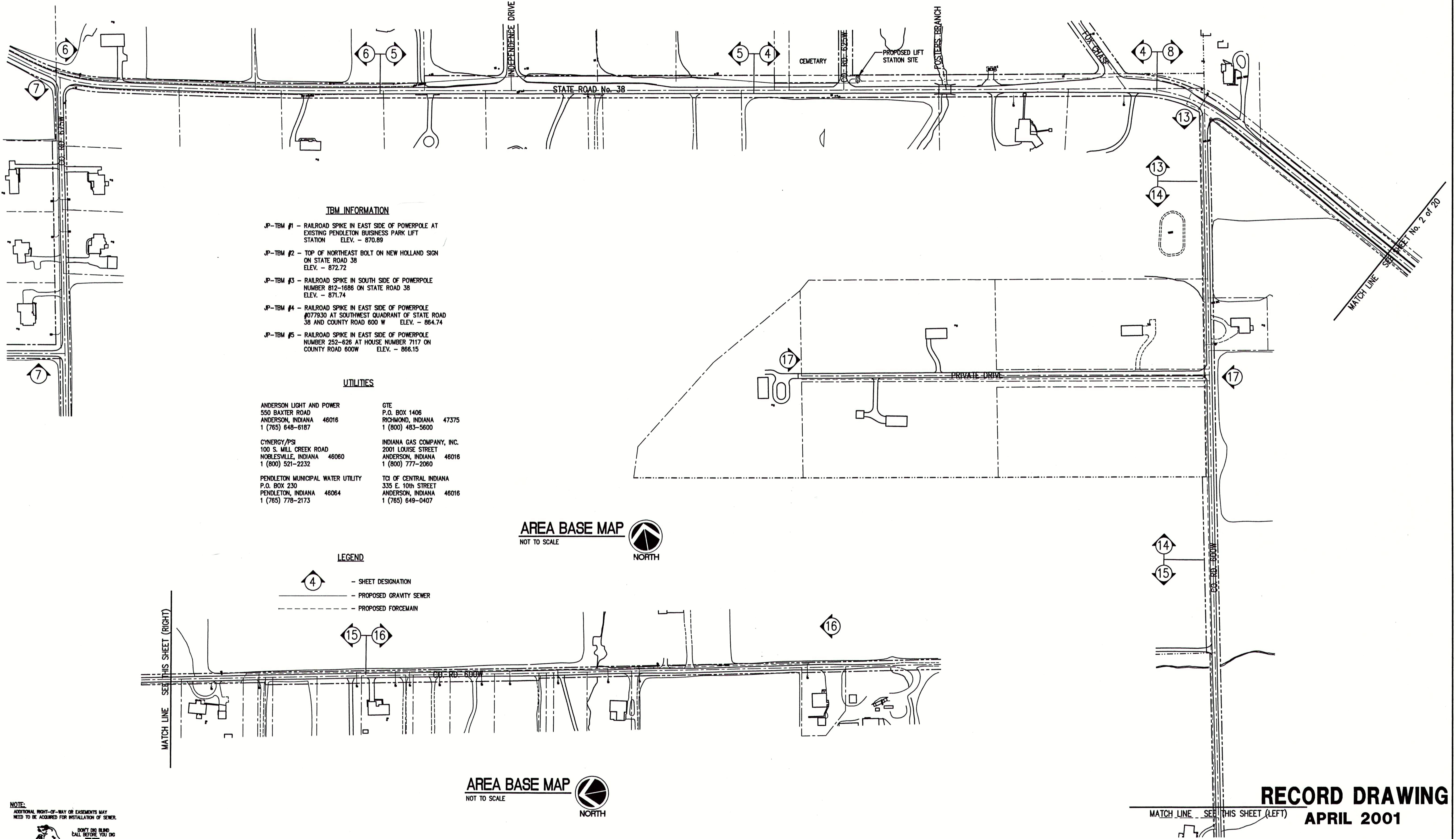
FOR REMAIN SEWER LINE 84-86-INCH, IT IS ADORSE THE LIFT TO EXCAVATE WERKOUT BEYOND THE UNDERGROUND LOCATED SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

NOTE: CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO THE START OF CONSTRUCTION

RECORD DRAWING
APRIL 2001

FILE NAME: JEFFBAS2-REC PLOT SCALE: 1=150 PLOT DATE: 04/02		<p>TRIAD ASSOCIATES INC. INDIANAPOLIS, INDIANA</p>	<p>APPROVED BY: Thomas M. Schubert, P.E.</p>	JEFFERSON PL., CO. RD. 600W & CO. RD. 675W FALL CREEK REGIONAL WASTE DISTRICT			
				PROJECT BASE MAP			
NO.	DATE	DESCRIPTION	BY	DRAWN BY: DAP	DATE: 04/12/98 SCALE: AS NOTED	PROJECT No.: 98008A	SHEET No.: 2
				DESIGNED BY: D.A. Pauling			
				CHECKED BY: James W. Frazell, P.E.			
							OF 20

C:\Dwg\Fall Creek\JeffBas2-REC.dwg, 04/02/01 01:08:33 PM, 1:150



TBM INFORMATION

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| PENDLETON MUNICIPAL WATER UTILITY
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1 (765) 778-2173 | TCI OF CENTRAL INDIANA
335 E. 10th STREET
ANDERSON, INDIANA 46016
1 (765) 649-0407 |

LEGEND

- SHEET DESIGNATION
- PROPOSED GRAVITY SEWER
- PROPOSED FORCEMAIN

AREA BASE MAP
NOT TO SCALE

AREA BASE MAP
NOT TO SCALE

NOTE:
ADDITIONAL RIGHT-OF-WAY OR EASEMENTS MAY NEED TO BE ACQUIRED FOR INSTALLATION OF SEWER.
DON'T DO BLIND CALL BEFORE YOU DIG
1-800-362-8544
1-800-428-5200
FOR BEING ON THE LINE 48-HRS. IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE APPROPRIATE LOCALITY OFFICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.
NOTE: CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO THE START OF CONSTRUCTION

RECORD DRAWING
APRIL 2001

FILE NAME: JEFFBAS1-REC	PLOT SCALE: 1=150	PLOT DATE: 04/02	
NO.	DATE	DESCRIPTION	BY

TRIAD ASSOCIATES INC.
INDIANAPOLIS, INDIANA

APPROVED BY:

Thomas M. Schubert, P.E.

JEFFERSON PL., CO. RD. 600W & CO. RD. 675W
FALL CREEK REGIONAL WASTE DISTRICT
PROJECT BASE MAP
DRAWN BY: DAP
SCALE: AS NOTED
DESIGNED BY: D.A. Pauling
CHECKED BY: James W. Frazell, P.E.
PROJECT No. 98008A
SHEET No. 3 OF 20

D:\dwg\fall_creek\jeffbas1-rec.dwg, 08/15/2001 04:46:27 PM, 1:150, BK1

STRUCTURE No. JP-2
(SEE SHEET No. 5)

LIFT STATION WET WELL
T.C. = 854.34
INV.(S) = 847.99 848.04
(SEE SHEET No. 18)

STRUCTURE No. JP-1
STANDARD MANHOLE
T.C. = 854.34 854.39
INV.(W) = 848.29 848.49
INV.(N) = 848.19 848.47

FOR CONTINUATION
SEE SHEET No. 5

SEE SHEET No. 18

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1-800-426-5200

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TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

NOTE: CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS
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GENERAL NOTES:

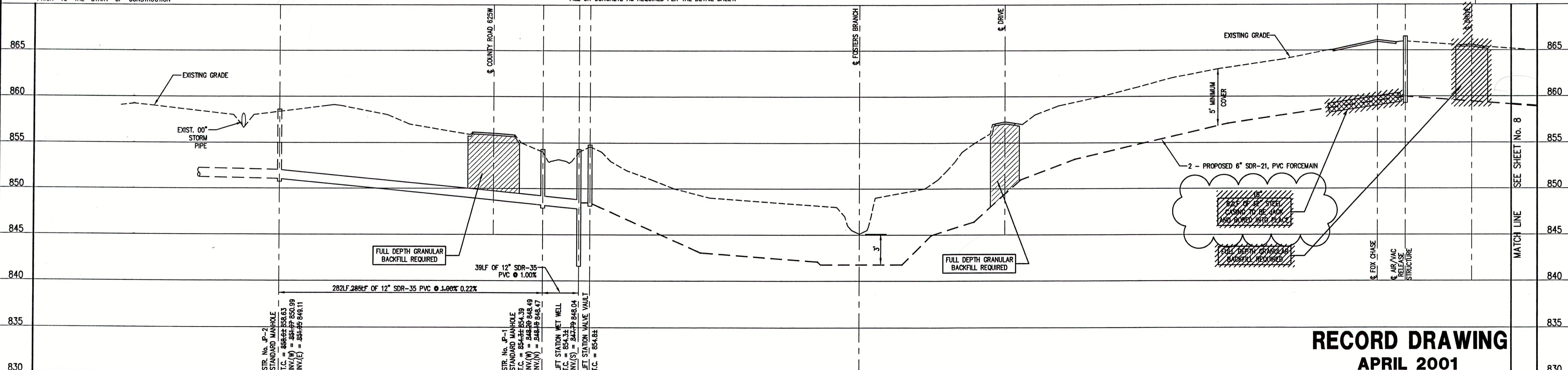
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- CONTRACTOR SHALL RESTORE ALL DISTURBED LAWN AREAS, STREETS, WALKS, DRIVES, ETC. AS SHOWN ON DRAWINGS, IN THE SPECIFICATIONS, OR TO AT LEAST PRE-EXISTING CONDITIONS.
- ALL UTILITY CROSSINGS SHALL BE PROTECTED AND SUPPORTED WITH GRANULAR FILL OR CONCRETE AS REQUIRED PER THE DETAIL SHEET.

LEGEND:

- TREE - 1085
- POWER POLE - X-X
- GUY WIRE - ---|---
- FIRE HYDRANT - (Symbol)
- MAILBOX - SC
- FLAGPOLE - ---|---
- SPOT SHOT - 2" C
- CONTOUR - (Symbol)
- FENCE - ---|---
- EXIST. SANITARY SEWER w/ MANHOLE - (Symbol)
- NEW SANITARY SEWER w/ MANHOLE - (Symbol)
- NEW SANITARY SERVICE CONNECTION - (Symbol)
- WATER LINE - (Symbol)
- GAS LINE - (Symbol)
- UNDERGROUND ELECTRIC LINE - (Symbol)
- UNDERGROUND TELEPHONE LINE - (Symbol)
- APPROX. RIGHT-OF-WAY - (Symbol)
- APPROX. CORPORATE LIMITS - (Symbol)
- APPROX. PROPERTY LINE - (Symbol)
- EXISTING WATER WELL - (Symbol)
- EXISTING SEPTIC TANK - (Symbol)
- PROPOSED GRINDER PUMP VALVE VAULT - (Symbol)



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



RECORD DRAWING
APRIL 2001

NOTE:
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FILE NAME:	JP_4-REC	PLOT SCALE:	1=50	PLOT DATE:	04/03
NO.	DATE	DESCRIPTION	BY		

TRIAD ASSOCIATES INC.
INDIANAPOLIS, INDIANA

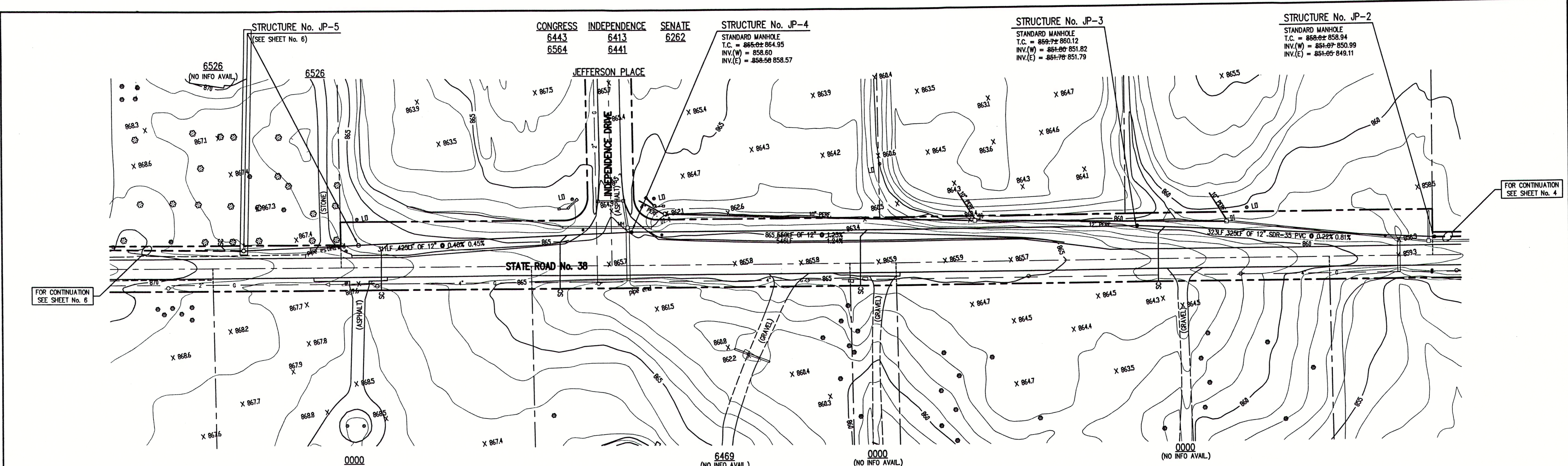
APPROVED BY:
THOMAS M. SCHUBERT
REGISTERED PROFESSIONAL ENGINEER
No. 15614
STATE OF INDIANA

JEFFERSON PL., CO. RD. 600W & CO. RD. 675W
FALL CREEK REGIONAL WASTE DISTRICT

PLAN AND PROFILE

DRAWN BY: DAP
SCALE: AS NOTED
DESIGNED BY: D.A. Pauling
CHECKED BY: James W. Frazell, P.E.

PROJECT No. 98008A
SHEET No. 4
of 20



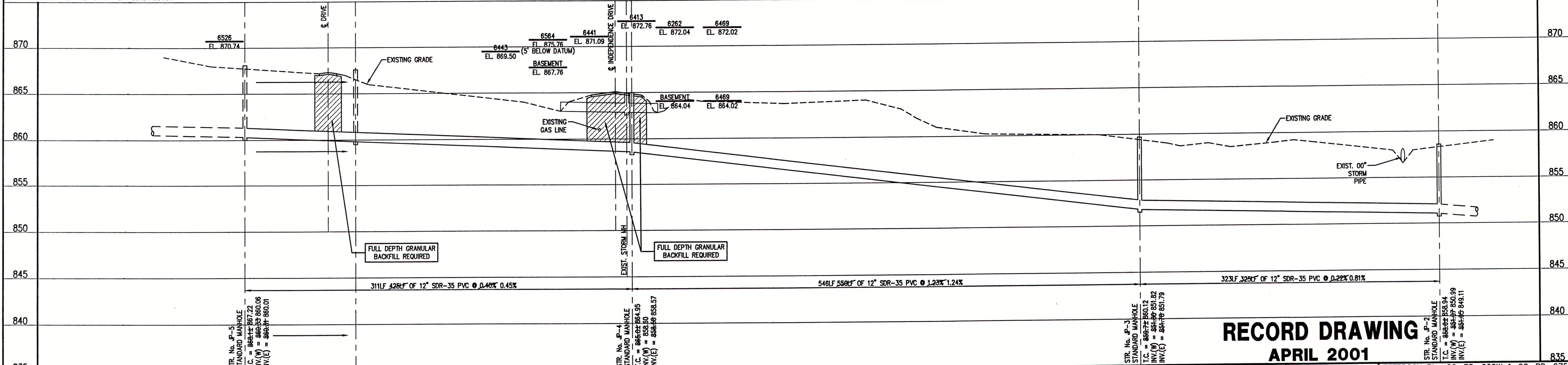
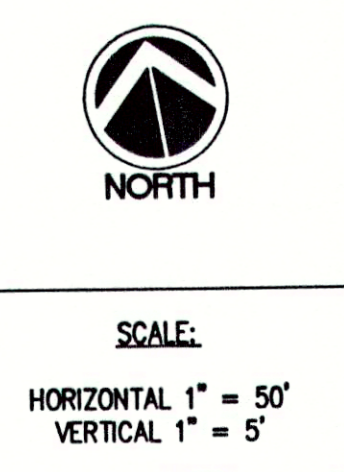
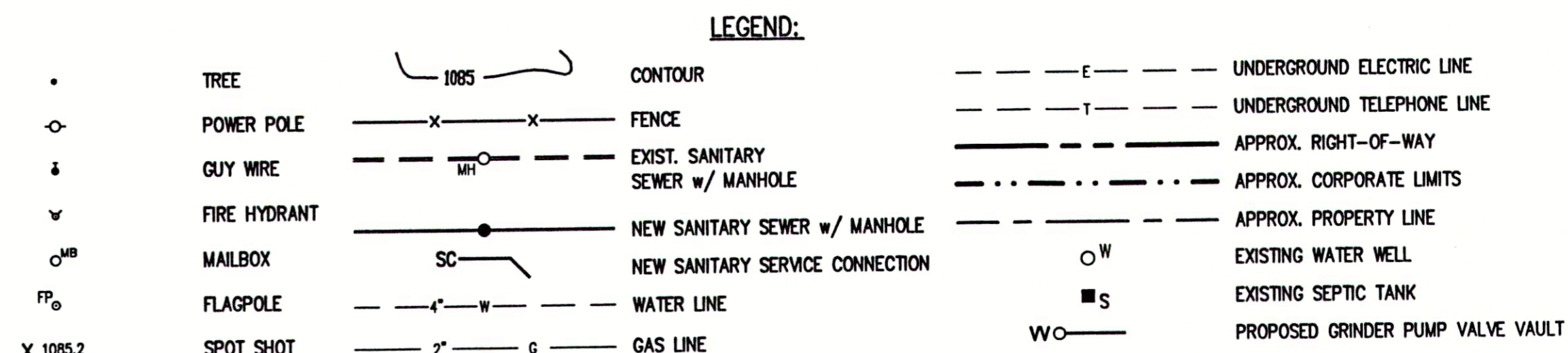
NOTE:
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DON'T DIG BLIND CALL BEFORE YOU DIG
1-800-382-5544
1-800-428-5200

PER INDIANA STATE LAW IS-89-1991, 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

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**RECORD DRAWING
APRIL 2001**

FILE NAME: JP_3-REC	PLOT SCALE: 1=50	PLOT DATE: 04/04	
07/13/99	ADDED EXISTING STORM PIPE	D.A.P.	
NO.	DATE	DESCRIPTION	BY

TRIAD ASSOCIATES INC.
INDIANAPOLIS, INDIANA

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

JEFFERSON PL., CO. RD. 600W & CO. RD. 675W
FALL CREEK REGIONAL WASTE DISTRICT

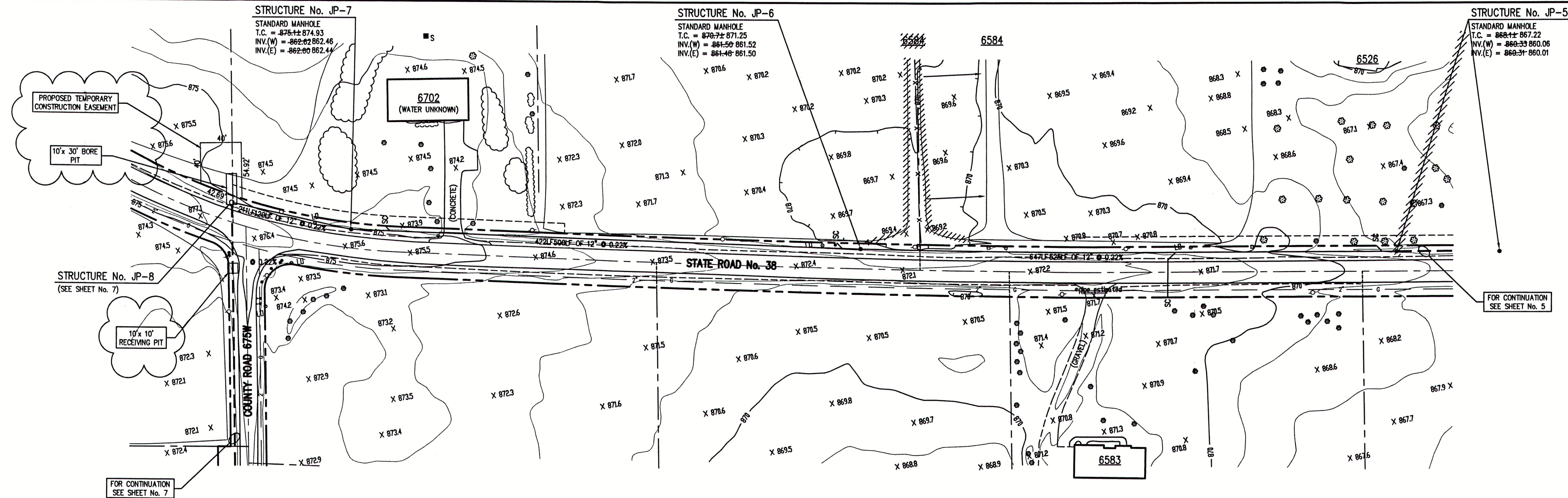
PLAN AND PROFILE

DRAWN BY: DAP DATE: 04/12/98 PROJECT No. 98008A SHEET No. 5 OF 20

DESIGNED BY: D.A. Pauling

CHECKED BY: James W. Frazell, P.E.

NOTE:
THE CONTRACTOR SHALL INCLUDE IN THE COSTS FOR SANITARY PIPE, ALL WATER SERVICE RECONNECTIONS, STORM SEWER RECONNECTION, WATER MAIN RELOCATIONS, CONCRETE RECONSTRUCTION, AND SIDEWALK RECONSTRUCTION AS REQUIRED TO INSTALL NEW WORK AS SHOWN ON THE DRAWINGS.



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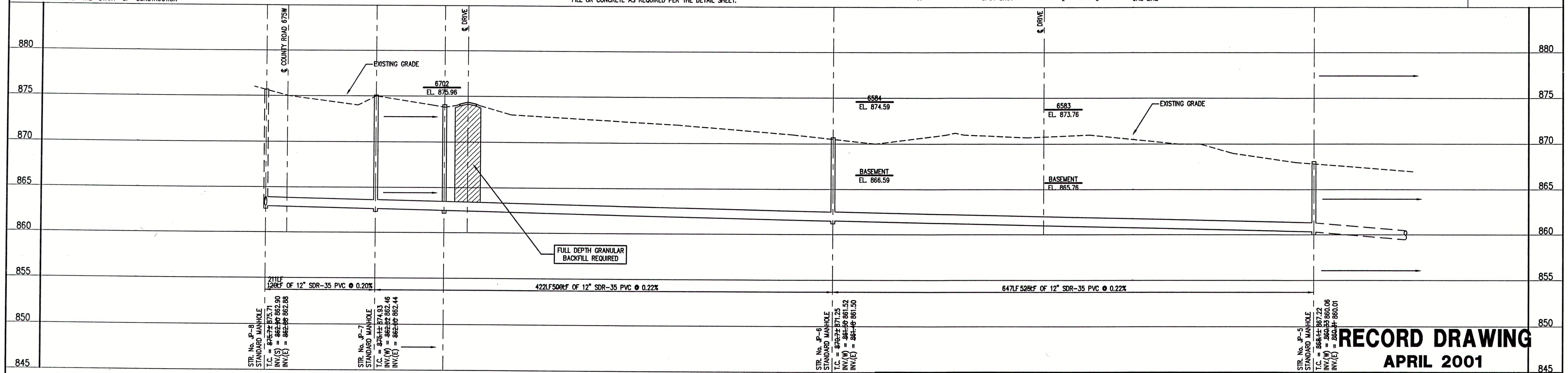
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LEGEND:

- TREE
- POWER POLE
- GUY WIRE
- FIRE HYDRANT
- MAILBOX
- FLAGPOLE
- SPOT SHOT
- CONTOUR
- FENCE
- EXIST. SANITARY SEWER w/ MANHOLE
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- APPROX. PROPERTY LINE
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- EXISTING SEPTIC TANK
- PROPOSED GRINDER PUMP VALVE VAULT

NORTH

SCALE:
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NO.	DATE	DESCRIPTION	BY

TRIAD ASSOCIATES INC.
INDIANAPOLIS, INDIANA

APPROVED BY:
THOMAS M. SCHUBERT
No. 15614
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECORD DRAWING
APRIL 2001

JEFFERSON PL., CO. RD. 600W & CO. RD. 675W
FALL CREEK REGIONAL WASTE DISTRICT

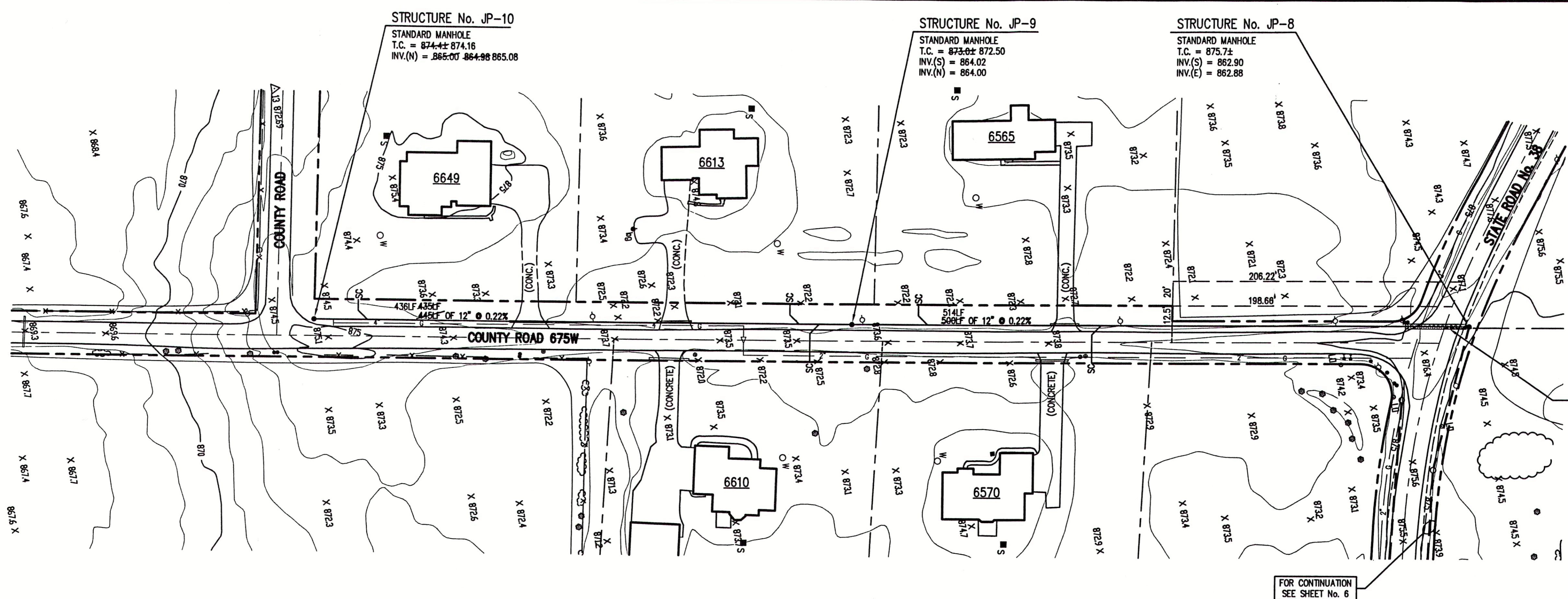
PLAN AND PROFILE

DRAWN BY: DAP
DATE: 04/12/98
SCALE: AS NOTED

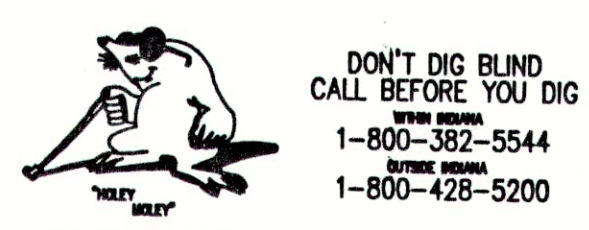
PROJECT No. 98008A
SHEET No. 6 OF 20

DESIGNED BY: D.A. Pauling
CHECKED BY: James W. Frazell, P.E.

D:\proj\fall_creek\jwfr\RecordUP_2-REC.dwg, 08/15/2001 03:22:28 PM, T:50, BKY



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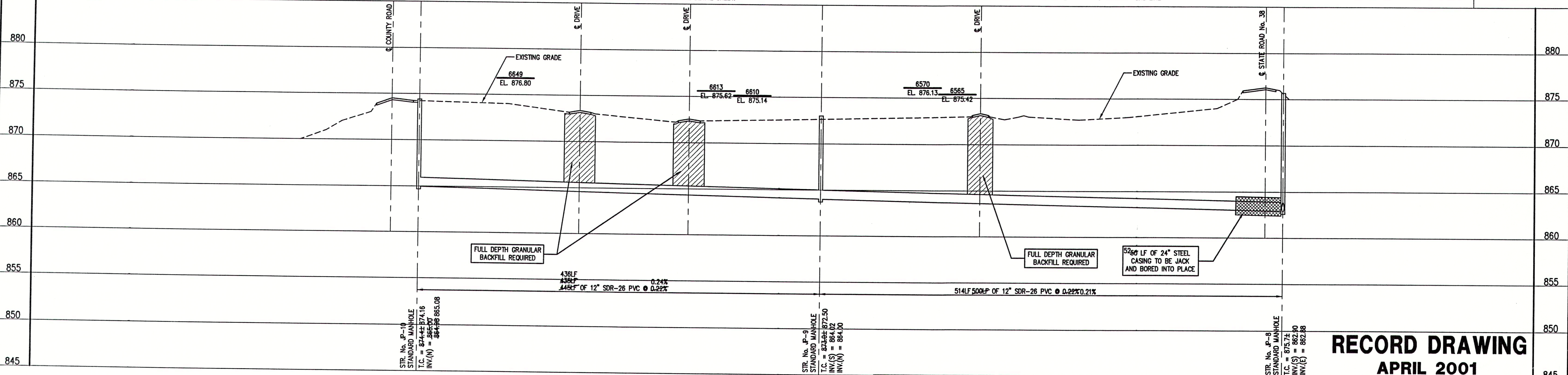
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NO.	DATE	DESCRIPTION	BY

TRIAD ASSOCIATES INC.
INDIANAPOLIS, INDIANA

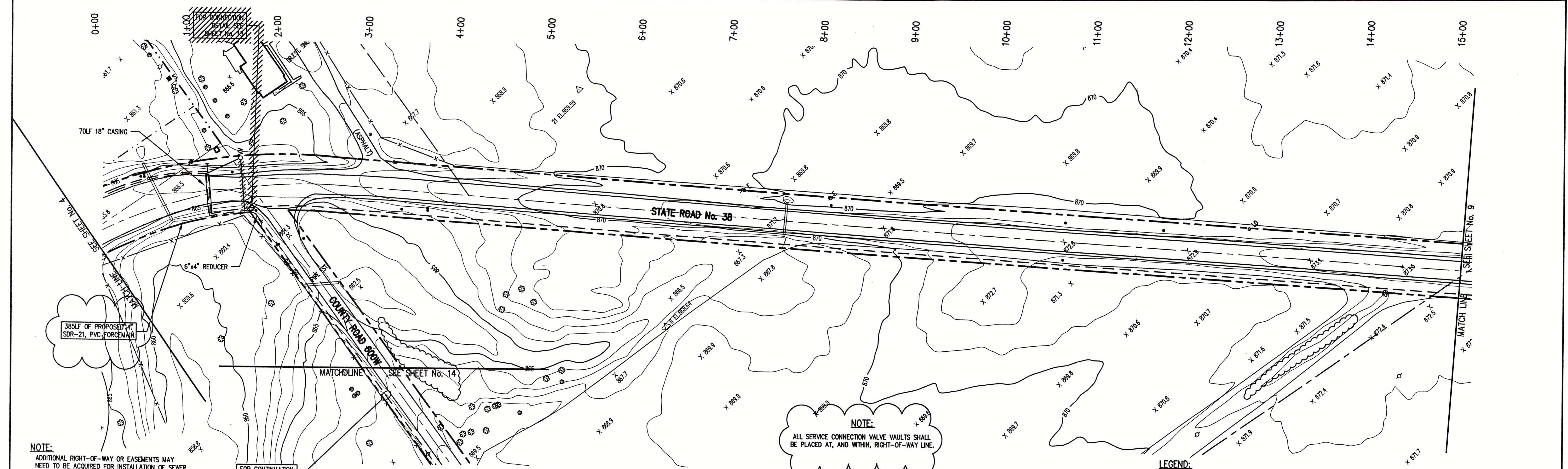
APPROVED BY:
THOMAS M. SCHUBERT
No. 15614
INDIAN PROFESSIONAL ENGINEER

RECORD DRAWING
APRIL 2001

JEFFERSON PL., CO. RD. 600W & CO. RD. 675W
FALL CREEK REGIONAL WASTE DISTRICT

PLAN AND PROFILE

DRAWN BY: DAP	DATE: 04/12/98	PROJECT No. 98008A	SHEET No. 7
DESIGNED BY: D.A. Pauling	SCALE: AS NOTED		
CHECKED BY: James W. Frazell, P.E.			20



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

NOTE:
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

FOR CONTINUATION SEE SHEET No. 14

GENERAL NOTES:

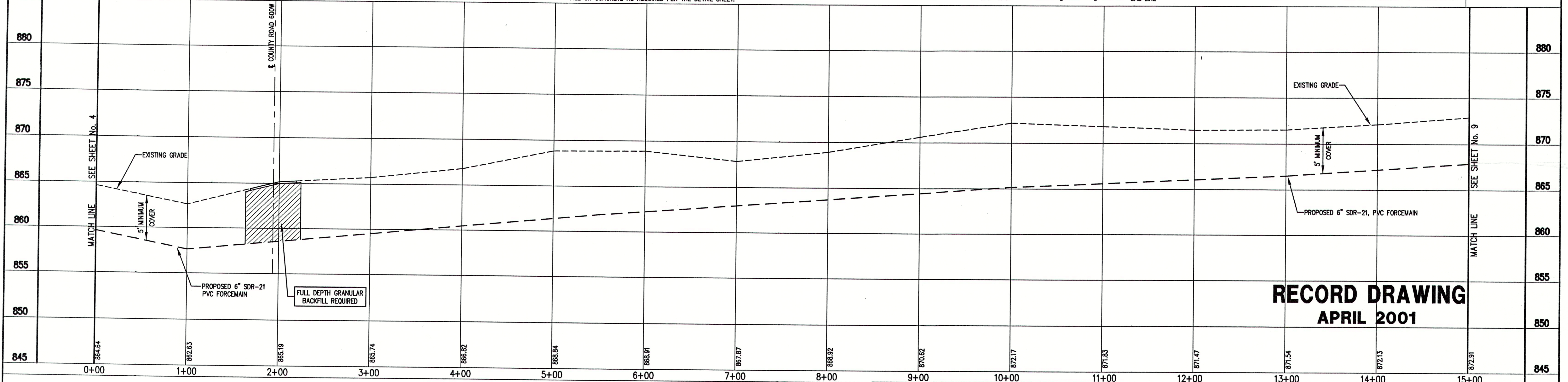
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- ALL SEWER TRENCHES SHALL BE BACKFILLED WITH FULL DEPTH COMPACTED GRANULAR BACKFILL ("B" BORROW) UNDER OR WITHIN 5' OF EDGE OF PAVEMENT.
- THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID TO BECOME FAMILIAR WITH ALL SITE CONDITIONS.
- THE CONTRACTOR SHALL PROVIDE THE REQUIRED MEANS FOR MAINTAINING SAFE TRAFFIC AT ALL TIMES.
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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	1085	CONTOUR	---	UNDERGROUND ELECTRIC LINE
POWER POLE	X	FENCE	---	UNDERGROUND TELEPHONE LINE
GUY WIRE	—○—	EXIST. SANITARY SEWER w/ MANHOLE	---	APPROX. RIGHT-OF-WAY
FIRE HYDRANT	—○—	NEW SANITARY SEWER w/ MANHOLE	---	APPROX. CORPORATE LIMITS
MAILBOX	SC	NEW SANITARY SERVICE CONNECTION	---	APPROX. PROPERTY LINE
FLAGPOLE	—○—	WATER LINE	---	EXISTING WATER WELL
SPOT SHOT	2"	GAS LINE	---	EXISTING SEPTIC TANK
				PROPOSED GRINDER PUMP VALVE VAULT



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



RECORD DRAWING
APRIL 2001

NOTE:
THE CONTRACTOR SHALL INCLUDE IN THE COSTS FOR SANITARY PIPE, ALL WATER SERVICE RECONNECTIONS, STORM SEWER RECONNECTION, WATER MAIN RELOCATIONS, CONCRETE RECONSTRUCTION, AND SIDEWALK RECONSTRUCTION AS REQUIRED TO INSTALL NEW WORK AS SHOWN ON THE DRAWINGS.

FILE NAME:	1001-REC	PLOT SCALE:	1=1	PLOT DATE:	04/04
NO.	DATE	DESCRIPTION	BY		

TRIAD ASSOCIATES INC.

INDIANAPOLIS, INDIANA

APPROVED BY:

Thomas M. Schubert, P.E.

JEFFERSON PL., CO. RD. 600W & CO. RD. 675W
FALL CREEK REGIONAL WASTE DISTRICT

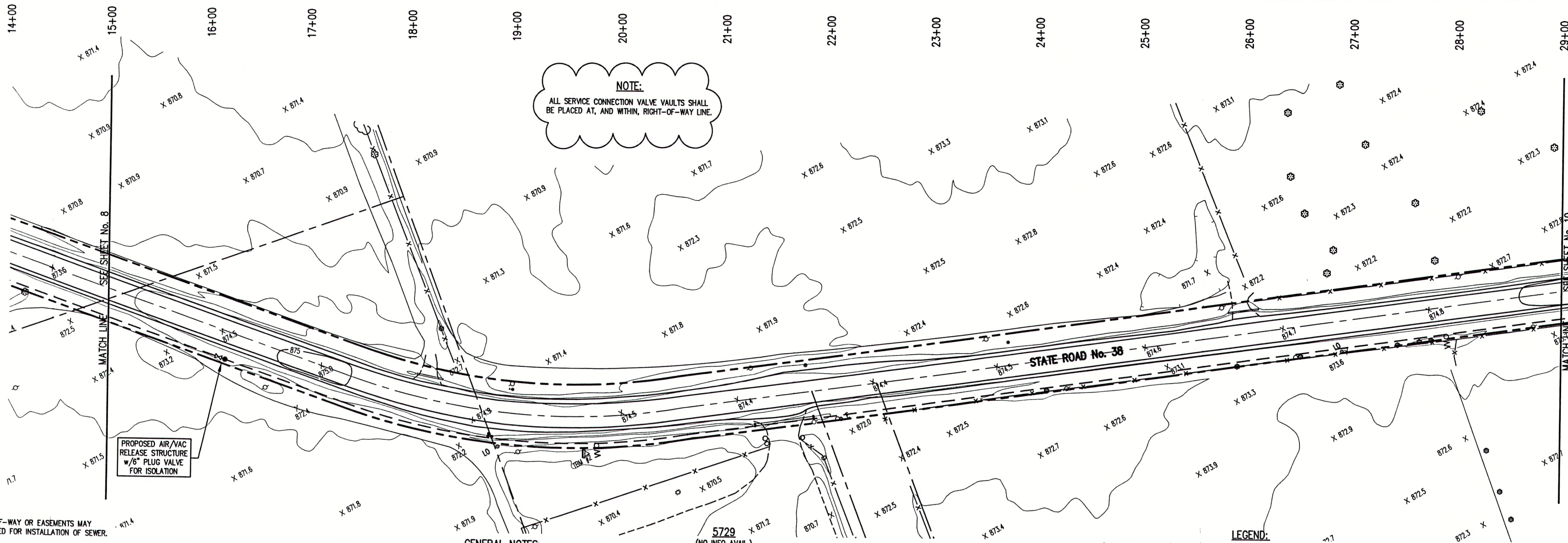
PLAN AND PROFILE

DRAWN BY: DAP DATE: 04/12/98 PROJECT No.: 98008A SHEET No.: 8

DESIGNED BY: D.A. Pauling CHECKED BY: James W. Frazell, P.E.

20

D:\proj\Fall Creek\plan\Record\1001-REC.dwg, 08/16/2001 08:38:12 AM, 1:1, BK7



NOTE:
ALL SERVICE CONNECTION VALVE VAULTS SHALL BE PLACED AT, AND WITHIN, RIGHT-OF-WAY LINE.

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

DO NOT DIG BLIND
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1-800-428-5200

PER INDIANA STATE LAW 15-49-1091, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

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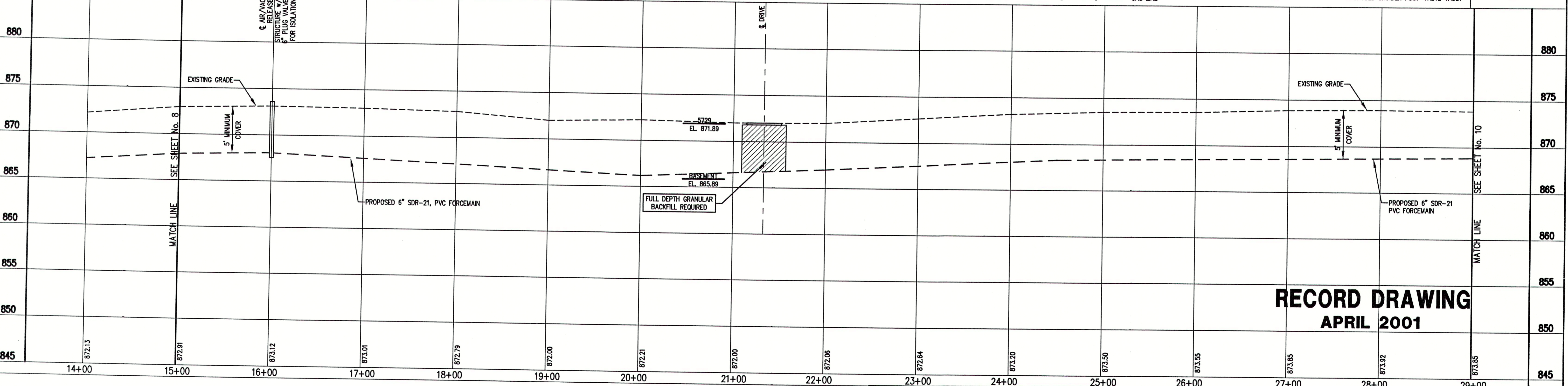
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LEGEND:

•	TREE	— 1085 —	CONTOUR	— — — — —	UNDERGROUND ELECTRIC LINE
○	POWER POLE	— x — x —	FENCE	— — — — —	UNDERGROUND TELEPHONE LINE
—	GUY WIRE	— — — — —	EXIST. SANITARY SEWER w/ MANHOLE	— — — — —	APPROX. RIGHT-OF-WAY
⊕	FIRE HYDRANT	— — — — —	NEW SANITARY SEWER w/ MANHOLE	— — — — —	APPROX. CORPORATE LIMITS
⊕ ^{MB}	MAILBOX	— — — — —	NEW SANITARY SERVICE CONNECTION	— — — — —	APPROX. PROPERTY LINE
FP	FLAGPOLE	— — — — —	WATER LINE	— — — — —	EXISTING WATER WELL
X 1085.2	SPOT SHOT	— 2' — G —	GAS LINE	— — — — —	EXISTING SEPTIC TANK
				○ W	PROPOSED GRINDER PUMP VALVE VAULT
				■ S	
				W	



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

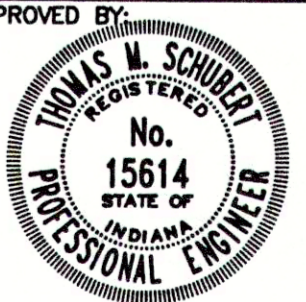


RECORD DRAWING
APRIL 2001

NOTE:
THE CONTRACTOR SHALL INCLUDE IN THE COSTS FOR SANITARY PIPE, ALL WATER SERVICE RECONNECTIONS, STORM SEWER RECONNECTION, WATER MAIN RELOCATIONS, CONCRETE RECONSTRUCTION, AND SIDEWALK RECONSTRUCTION AS REQUIRED TO INSTALL NEW WORK AS SHOWN ON THE DRAWINGS.

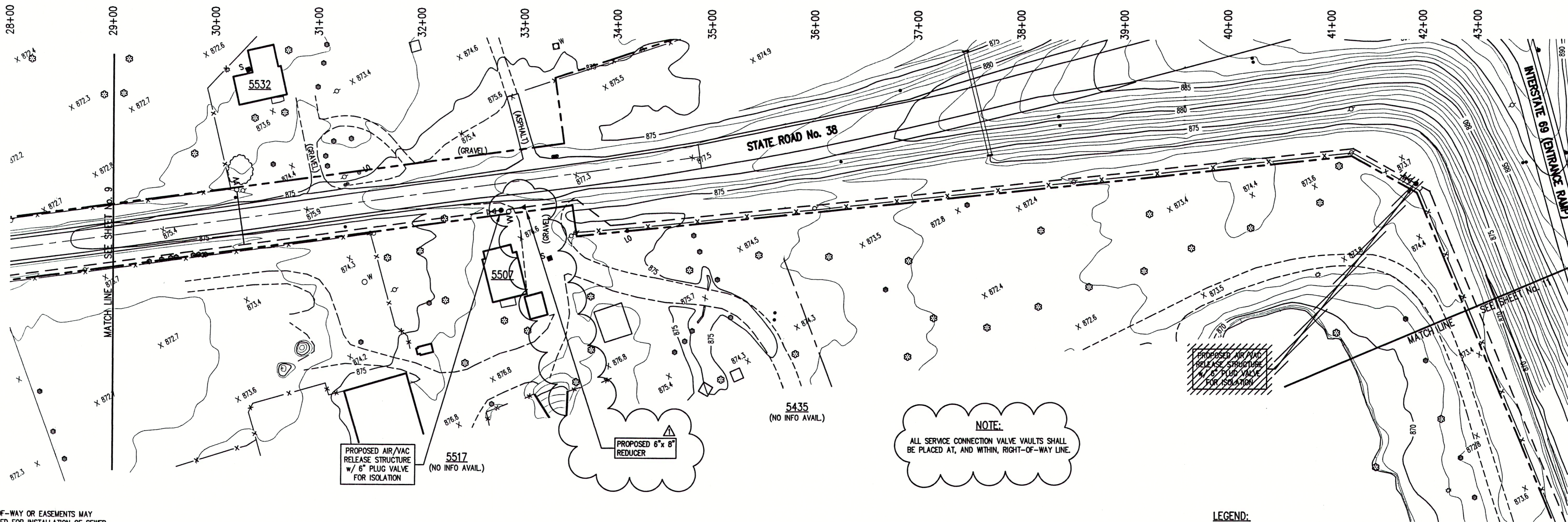
FILE NAME:	2001-REC	PLOT SCALE:	1=1	PLOT DATE:	04/04
NO.	DATE	DESCRIPTION	BY		

TRIAD ASSOCIATES INC.
INDIANAPOLIS, INDIANA



Thomas M. Schubert, P.E.

JEFFERSON PL., CO. RD. 600W & CO. RD. 675W
FALL CREEK REGIONAL WASTE DISTRICT
PLAN AND PROFILE
DRAWN BY: DATE 04/12/98 PROJECT No. SHEET No.
DAP SCALE AS NOTED 98008A 9
DESIGNED BY: D.A. Paulling
CHECKED BY: James W. Frazell, P.E.



NOTE:
ALL SERVICE CONNECTION VALVE VAULTS SHALL BE PLACED AT, AND WITHIN, RIGHT-OF-WAY LINE.

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



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

PER INDIANA STATE LAW IS-89-1991, 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

GENERAL NOTES:

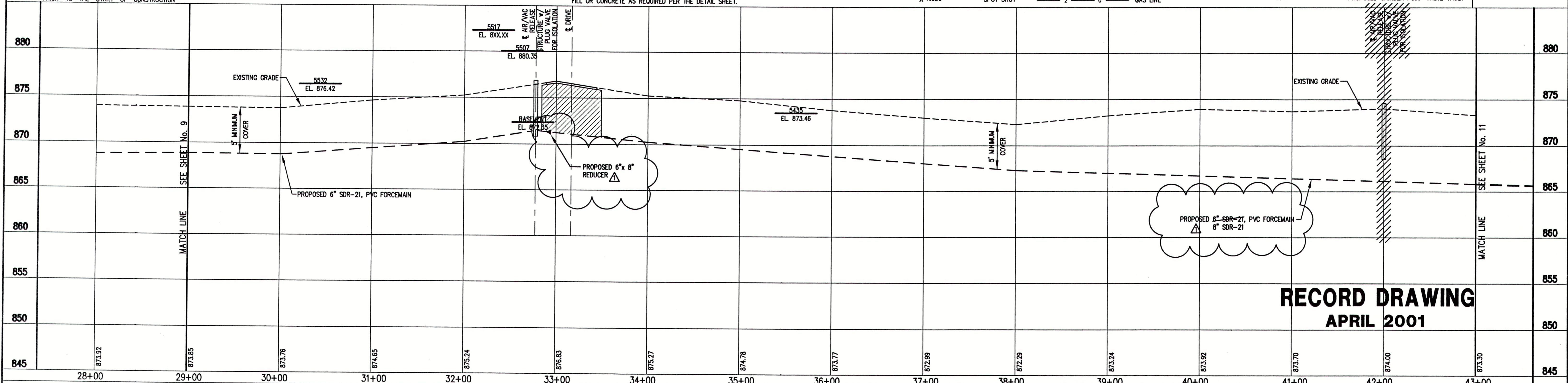
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LEGEND:

- TREE
- POWER POLE
- GUY WIRE
- FIRE HYDRANT
- MAILBOX
- FP FLAGPOLE
- X 1085.2 SPOT SHOT
- 1085 CONTOUR
- FENCE
- EXIST. SANITARY SEWER w/ MANHOLE
- NEW SANITARY SEWER w/ MANHOLE
- NEW SANITARY SERVICE CONNECTION
- WATER LINE
- 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
- W PROPOSED GRINDER PUMP VALVE VAULT



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



RECORD DRAWING
APRIL 2001

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FILE NAME:	3001-REC	PLOT SCALE:	1=1	PLOT DATE:	04/04
DATE:	07/12/99	DESCRIPTION:	FORCE MAIN PIPE INCREASE	BY:	D.A.P.
NO.	DATE	DESCRIPTION	BY		

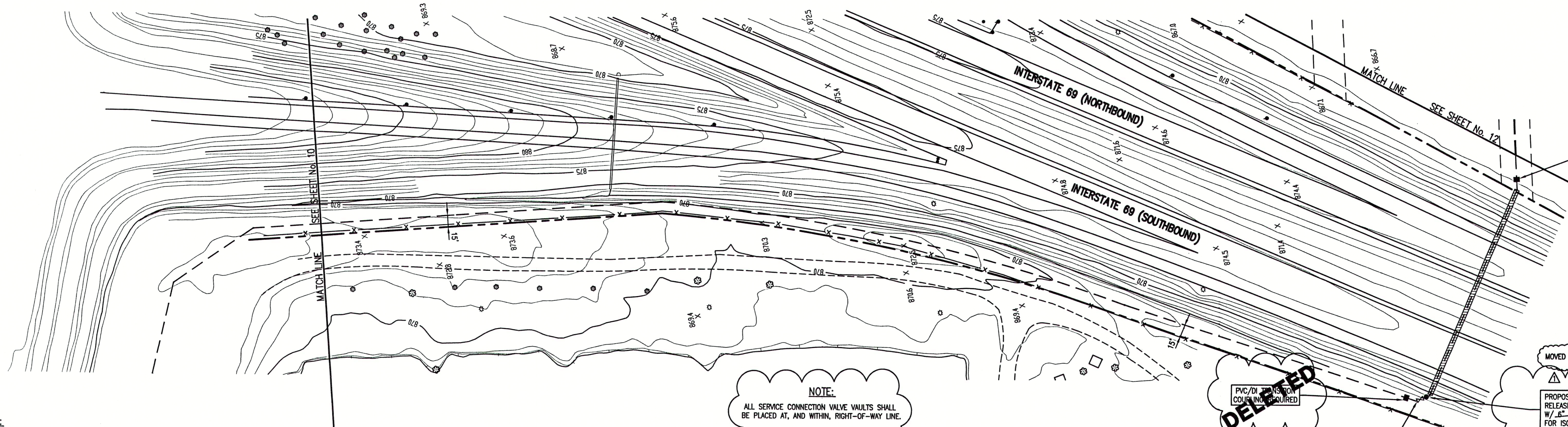
TRIAD ASSOCIATES INC.
INDIANAPOLIS, INDIANA

APPROVED BY:
THOMAS M. SCHUBERT
No. 15614
STATE OF INDIANA
PROFESSIONAL ENGINEER
Thomas M. Schubert, P.E.

JEFFERSON PL., CO. RD. 600W & CO. RD. 675W
FALL CREEK REGIONAL WASTE DISTRICT

PLAN AND PROFILE

DRAWN BY:	DATE:	PROJECT No.:	SHEET No.:
DAP	04/12/98	98008A	10
DESIGNED BY:	SCALE:	AS NOTED	20
D.A. Pauling			
CHECKED BY:	James W. Frazell, P.E.		



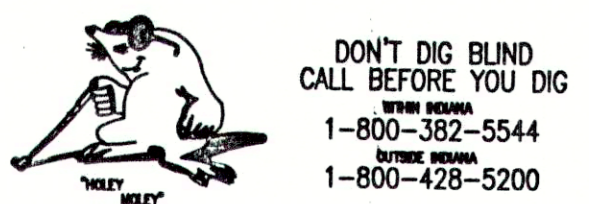
DELETED
PVC/DI TRANSITION COUPLING REQUIRED

NOTE:
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DELETED
PVC/DI TRANSITION COUPLING REQUIRED

MOVED TO 46+00
PROPOSED AIR/VAC RELEASE STRUCTURE W/ 8" PLUG VALVE FOR ISOLATION

NOTE:
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NOTE: CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO THE START OF CONSTRUCTION

GENERAL NOTES:

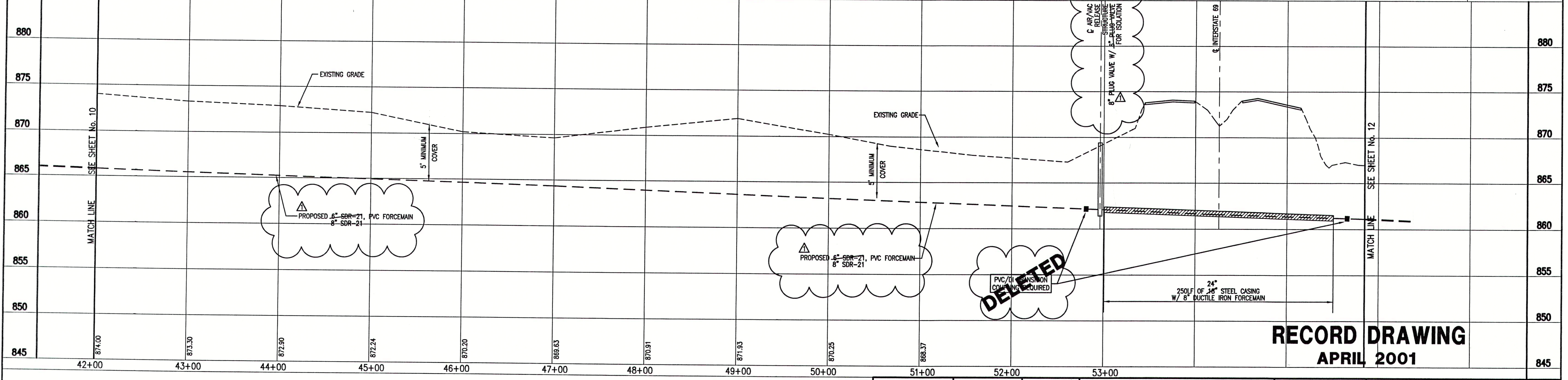
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LEGEND:

•	TREE	1085	CONTOUR	---	UNDERGROUND ELECTRIC LINE
○	POWER POLE	X	FENCE	---	UNDERGROUND TELEPHONE LINE
○	GUY WIRE	—	EXIST. SANITARY SEWER w/ MANHOLE	---	APPROX. RIGHT-OF-WAY
•	FIRE HYDRANT	—	NEW SANITARY SEWER w/ MANHOLE	---	APPROX. CORPORATE LIMITS
○	MAILBOX	SC	NEW SANITARY SERVICE CONNECTION	○ W	EXISTING WATER WELL
○	FLAGPOLE	—	WATER LINE	■ S	EXISTING SEPTIC TANK
○	SPOT SHOT	2"	GAS LINE	W O	PROPOSED GRINDER PUMP VALVE VAULT



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



RECORD DRAWING
APRIL 2001

NOTE:
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FILE NAME:	04001A-REC	PLOT SCALE:	1=50	PLOT DATE:	12/7
	07/12/99	FORCE MAIN SIZE INCREASE		D.A.P.	
NO.	DATE	DESCRIPTION	BY		

TRIAD ASSOCIATES INC.
INDIANAPOLIS, INDIANA

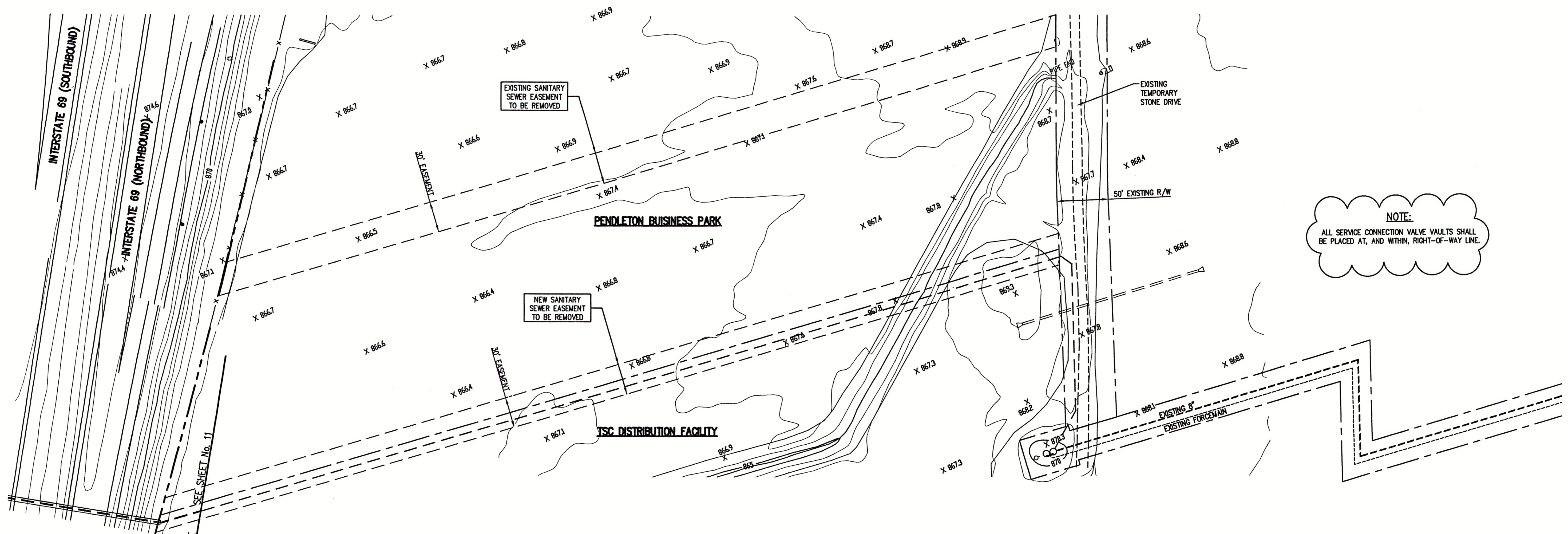
APPROVED BY:
THOMAS M. SCHUBERT
No. 15614
STATE OF INDIANA
PROFESSIONAL ENGINEER
Thomas M. Schubert, P.E.

JEFFERSON PL., CO. RD. 600W & CO. RD. 675W
FALL CREEK REGIONAL WASTE DISTRICT

PLAN AND PROFILE

DRAWN BY:	DATE	PROJECT No.	SHEET No.
DAP	04/12/98	98008A	11
DESIGNED BY:	D.A. Pauling	CHECKED BY:	James W. Frazell, P.E.

20



NOTE:
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DO NOT DIG BLIND
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TOLL FREE
1-800-382-5544
INDIANA
1-800-428-5200

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MATCH LINE SEE SHEET No. 11

GENERAL NOTES:

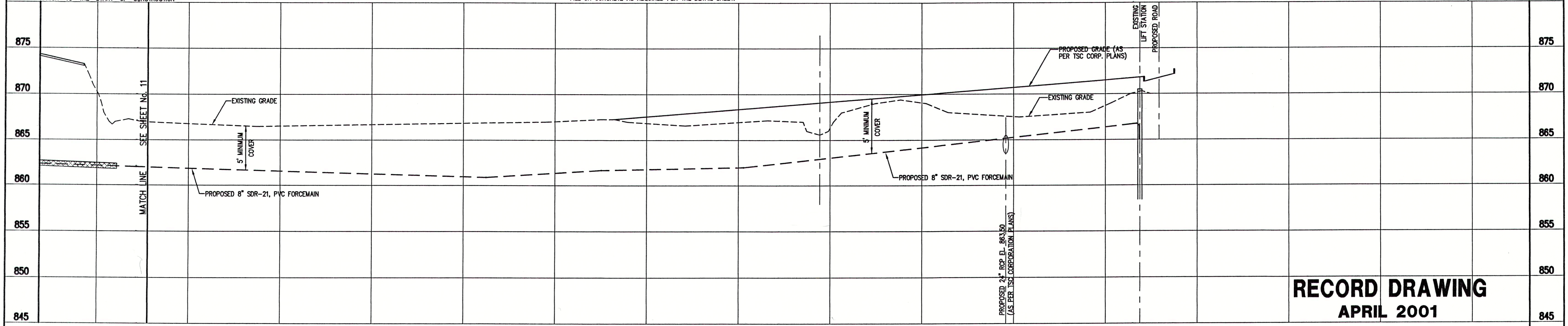
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LEGEND:

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○	POWER POLE	X	FENCE	---	UNDERGROUND TELEPHONE LINE
+	GUY WIRE	MH	EXIST. SANITARY SEWER w/ MANHOLE	---	APPROX. RIGHT-OF-WAY
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○ MB	MAILBOX	---	NEW SANITARY SERVICE CONNECTION	---	APPROX. PROPERTY LINE
FP	FLAGPOLE	---	WATER LINE	---	EXISTING WATER WELL
○	SPOT SHOT	---	GAS LINE	---	EXISTING SEPTIC TANK
X 1085.2					PROPOSED GRINDER PUMP VALVE VAULT



SCALE:
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VERTICAL 1" = 5'



RECORD DRAWING
APRIL 2001

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NO.	DATE	DESCRIPTION	BY

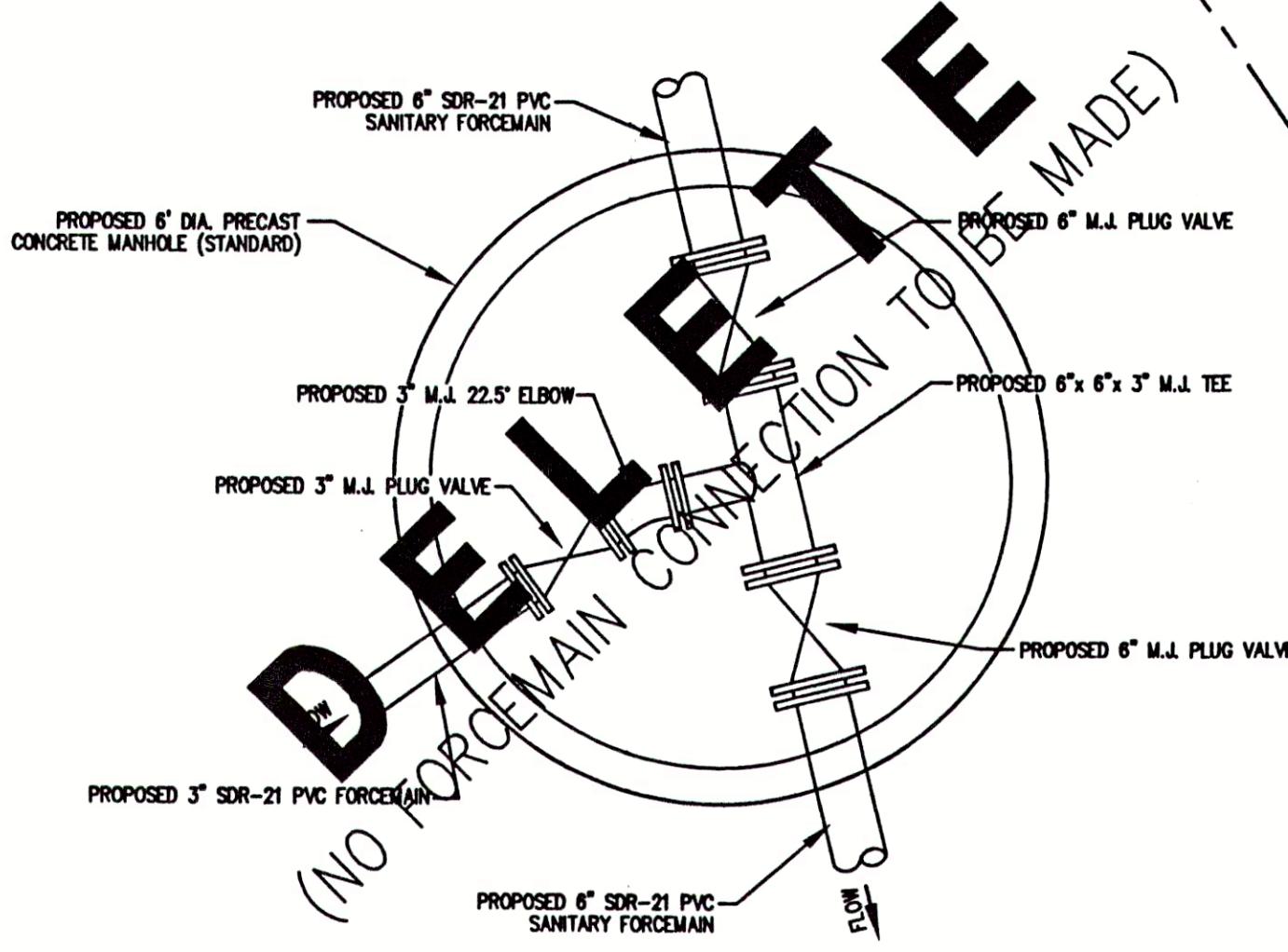
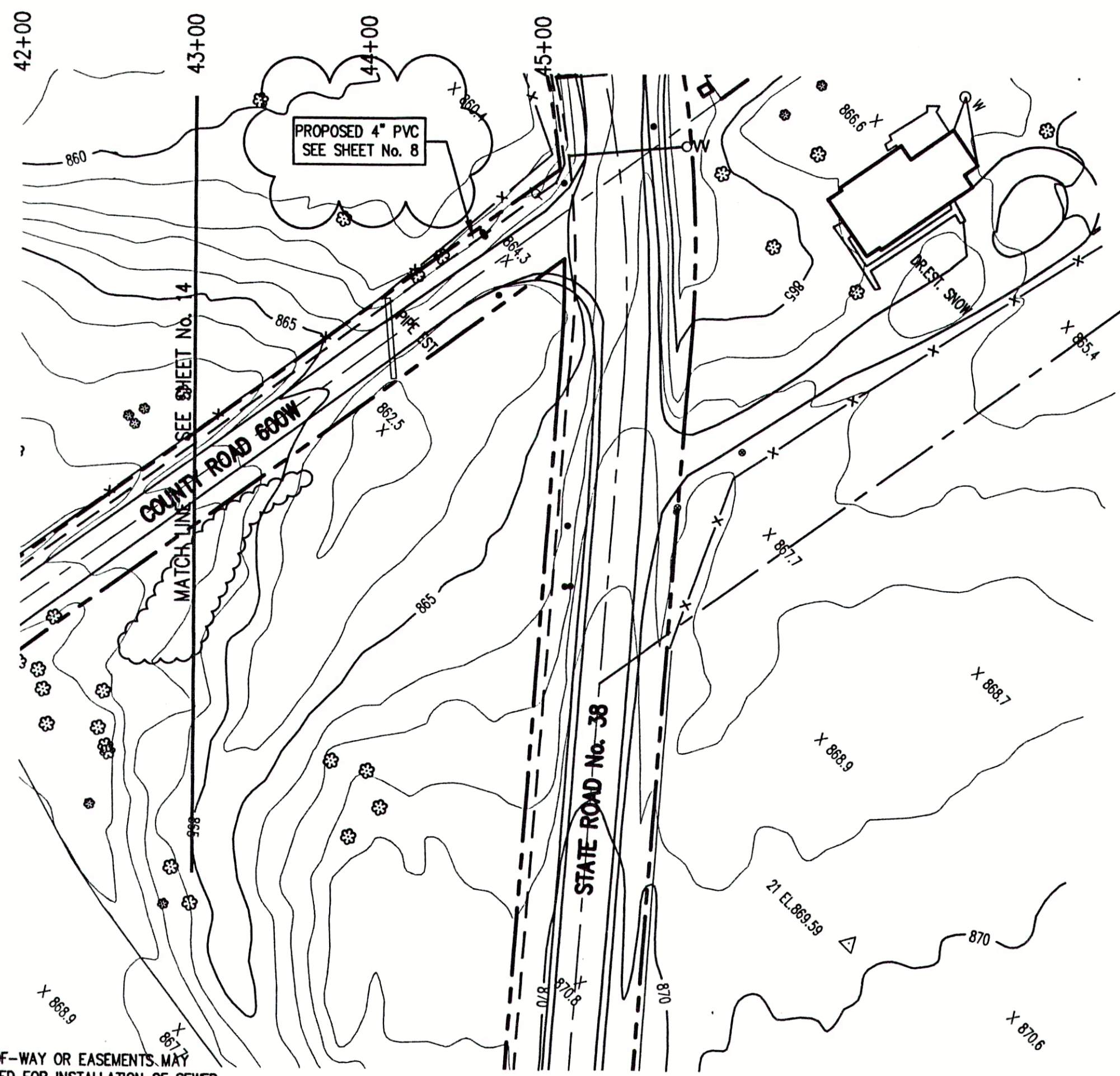
TRIAD ASSOCIATES INC.
INDIANAPOLIS, INDIANA

APPROVED BY:
THOMAS M. SCHUBERT
No. 15614
STATE OF INDIANA
PROFESSIONAL ENGINEER

JEFFERSON PL., CO. RD. 600W & CO. RD. 675W
FALL CREEK REGIONAL WASTE DISTRICT

PLAN AND PROFILE

DRAWN BY: DAP	DATE: 04/12/98	PROJECT No. 98008A	SHEET No. 12
DESIGNED BY: D.A. Pauling	SCALE: AS NOTED	CHECKED BY: James W. Frazell, P.E.	OF 20



FORCEMAIN CONNECTION DETAIL
SCALE: N.T.S.

NOTE:
ALL SERVICE CONNECTION VALVE VAULTS SHALL BE PLACED AT, AND WITHIN, RIGHT-OF-WAY LINE.

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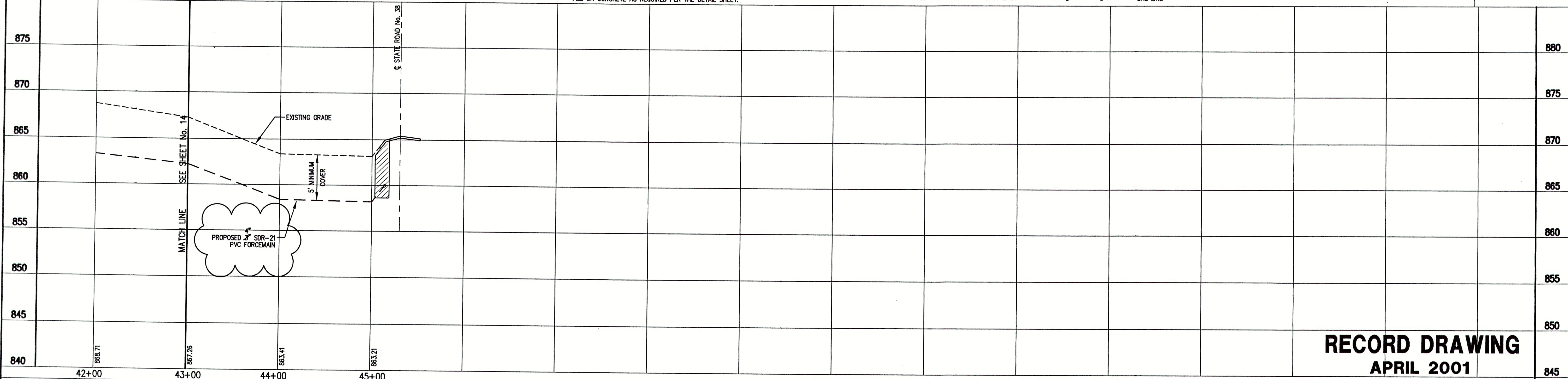
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LEGEND:

- TREE: 1085
- POWER POLE: X-X
- GUY WIRE: ---MH---
- FIRE HYDRANT: (Symbol)
- MAILBOX: SC
- FLAGPOLE: ---4'---W---
- SPOT SHOT: ---2'---G---
- CONTOUR: (Symbol)
- FENCE: ---T---
- EXIST. SANITARY SEWER w/ MANHOLE: (Symbol)
- APPROX. RIGHT-OF-WAY: (Symbol)
- APPROX. CORPORATE LIMITS: (Symbol)
- APPROX. PROPERTY LINE: (Symbol)
- NEW SANITARY SEWER w/ MANHOLE: (Symbol)
- NEW SANITARY SERVICE CONNECTION: (Symbol)
- WATER LINE: (Symbol)
- GAS LINE: (Symbol)
- UNDERGROUND ELECTRIC LINE: (Symbol)
- UNDERGROUND TELEPHONE LINE: (Symbol)
- EXIST. WATER WELL: (Symbol)
- EXISTING SEPTIC TANK: (Symbol)
- PROPOSED GRINDER PUMP: (Symbol)



SCALE:
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VERTICAL 1" = 5'



RECORD DRAWING
APRIL 2001

NOTE:
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NO.	DATE	DESCRIPTION	BY

TRIAD ASSOCIATES INC.
INDIANAPOLIS, INDIANA

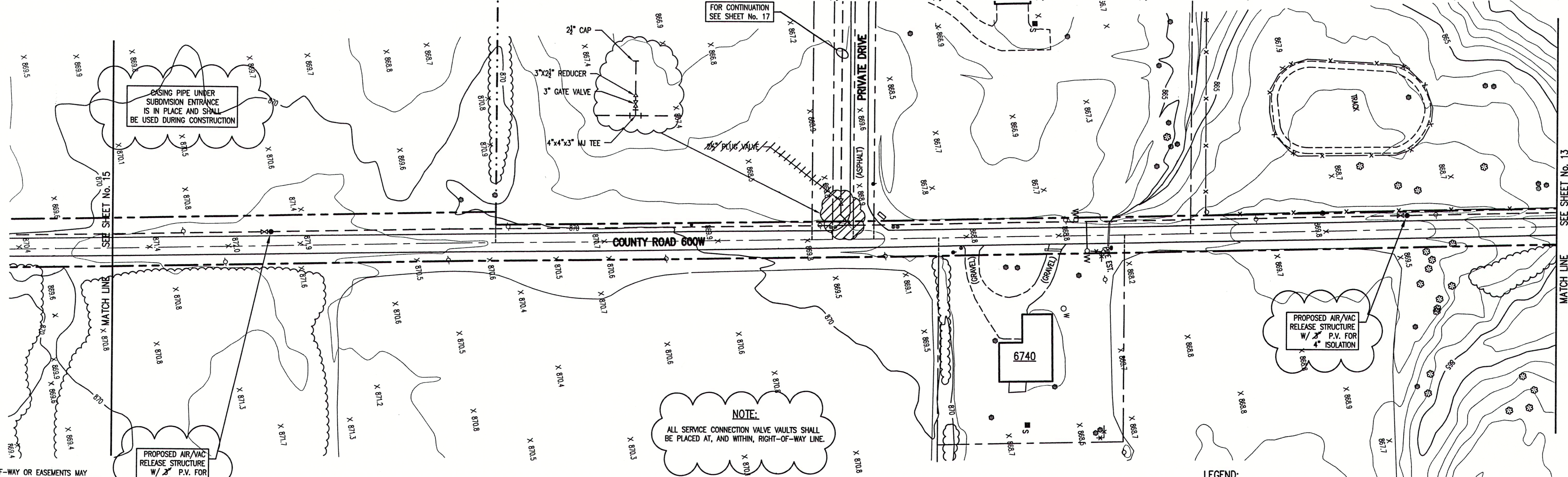
APPROVED BY:
THOMAS M. SCHUBERT
No. 15614
STATE OF INDIANA
PROFESSIONAL ENGINEER
Thomas M. Schubert, P.E.

JEFFERSON PL., CO. RD. 600W & CO. RD. 675W
FALL CREEK REGIONAL WASTE DISTRICT

PLAN AND PROFILE

DRAWN BY: DAP	DATE: 04/12/98	PROJECT No. 98008A	SHEET No. 13
DESIGNED BY: D.A. Pauling	SCALE: AS NOTED	CHECKED BY: James W. Frazell, P.E.	OF 20

28+00 29+00 30+00 31+00 32+00 33+00 34+00 35+00 36+00 37+00 38+00 39+00 40+00 41+00 42+00 43+00



NOTE: ADDITIONAL RIGHT-OF-WAY OR EASEMENTS MAY BE NEEDED FOR INSTALLATION OF SEWER.



DON'T DIG BLIND CALL BEFORE YOU DIG
1-800-362-5544
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.

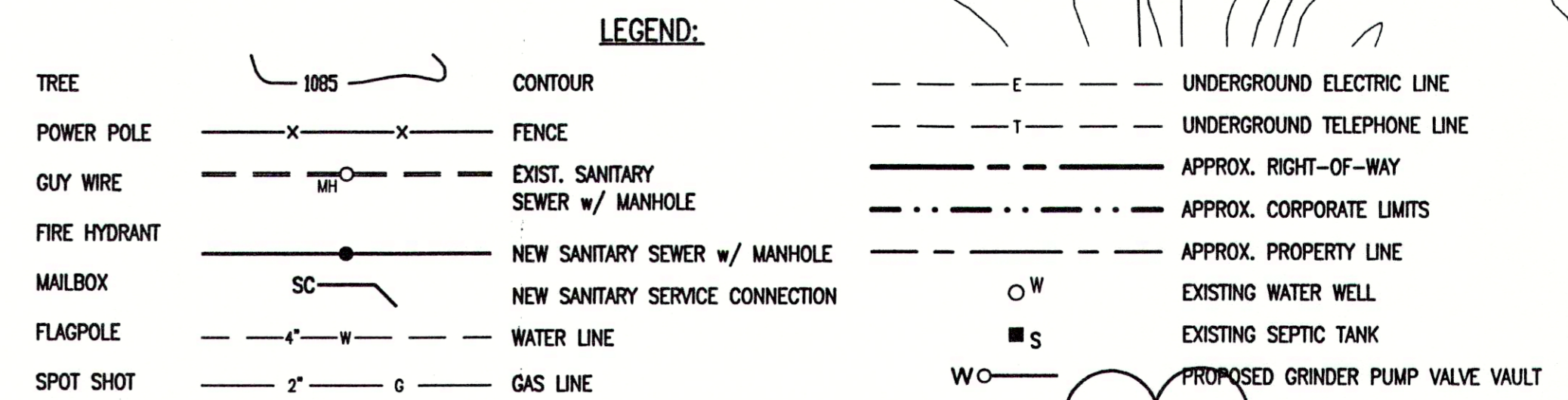
NOTE: CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO THE START OF CONSTRUCTION

PROPOSED AIR/VAC RELEASE STRUCTURE W/ 2" P.V. FOR 4" ISOLATION

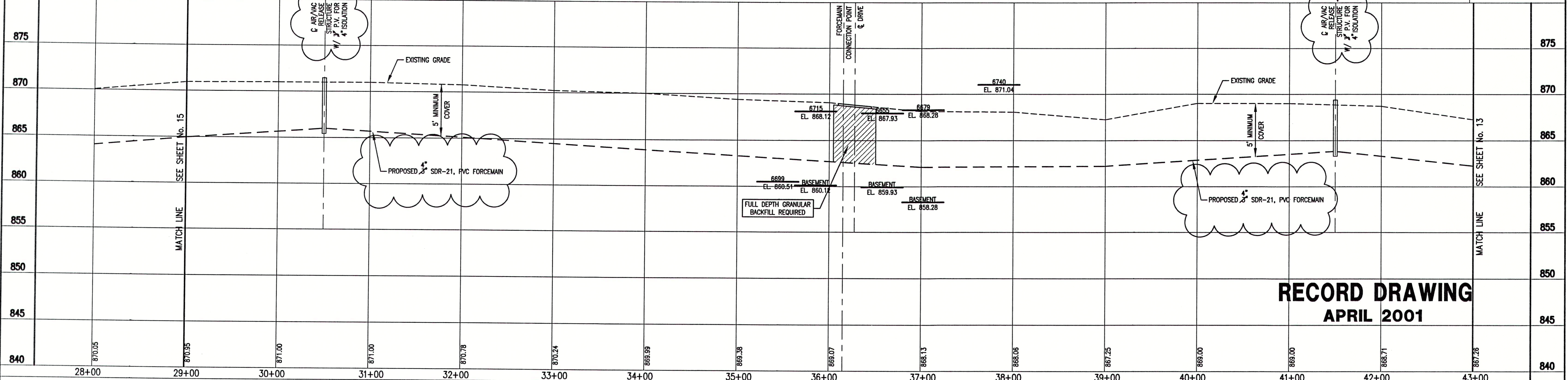
NOTE: ALL SERVICE CONNECTION VALVE VAULTS SHALL BE PLACED AT, AND WITHIN, RIGHT-OF-WAY LINE.

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.
- THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID TO BECOME FAMILIAR WITH ALL SITE CONDITIONS.
- THE CONTRACTOR SHALL PROVIDE THE REQUIRED MEANS FOR MAINTAINING SAFE TRAFFIC AT ALL TIMES.
- CONTRACTOR SHALL RESTORE ALL DISTURBED LAWN AREAS, STREETS, WALKS, DRIVES, ETC. AS SHOWN ON DRAWINGS, IN THE SPECIFICATIONS, OR TO AT LEAST PRE-EXISTING CONDITIONS.
- ALL UTILITY CROSSINGS SHALL BE PROTECTED AND SUPPORTED WITH GRANULAR FILL OR CONCRETE AS REQUIRED PER THE DETAIL SHEET.



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

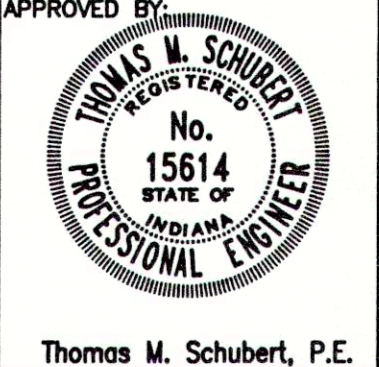


RECORD DRAWING
APRIL 2001

NOTE: THE CONTRACTOR SHALL INCLUDE IN THE COSTS FOR SANITARY PIPE, ALL WATER SERVICE RECONNECTIONS, STORM SEWER RECONNECTION, WATER MAIN RELOCATIONS, CONCRETE RECONSTRUCTION, AND SIDEWALK RECONSTRUCTION AS REQUIRED TO INSTALL NEW WORK AS SHOWN ON THE DRAWINGS.

NO.	DATE	DESCRIPTION	BY

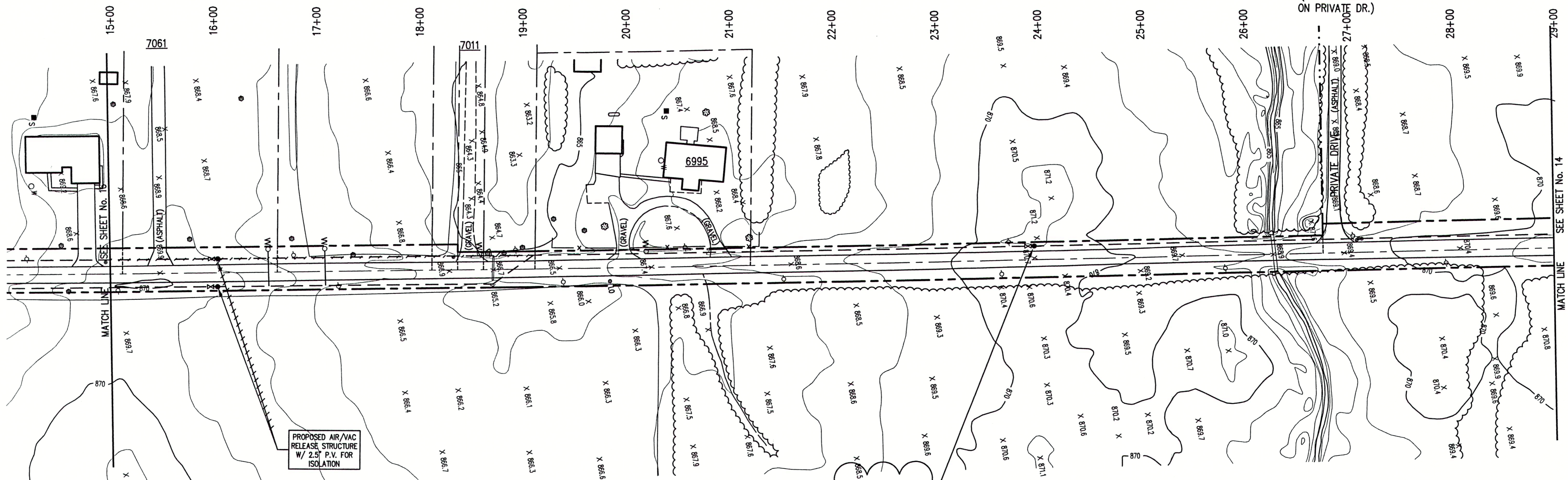
TRIAD ASSOCIATES INC.
INDIANAPOLIS, INDIANA



APPROVED BY: THOMAS M. SCHUBERT No. 15614 STATE OF INDIANA PROFESSIONAL ENGINEER Thomas M. Schubert, P.E.	JEFFERSON PL., CO. RD. 600W & CO. RD. 675W FALL CREEK REGIONAL WASTE DISTRICT PLAN AND PROFILE DRAWN BY: DAP DATE: 04/12/98 SCALE: AS NOTED PROJECT No. 98008A SHEET No. 14 DESIGNED BY: D.A. Pauling CHECKED BY: James W. Frazell, P.E.
--	---

C:\dwg\Fall Creek\FallCreek0002-REC.dwg: 08/16/2001 09:47:33 AM: 1:1, BK1

(5 RESIDENCES ON PRIVATE DR.)



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-89-1991, 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

GENERAL NOTES:

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**PROPOSED AIR/VAC
RELEASE STRUCTURE
W/ 2" P.V. FOR
4" ISOLATION**

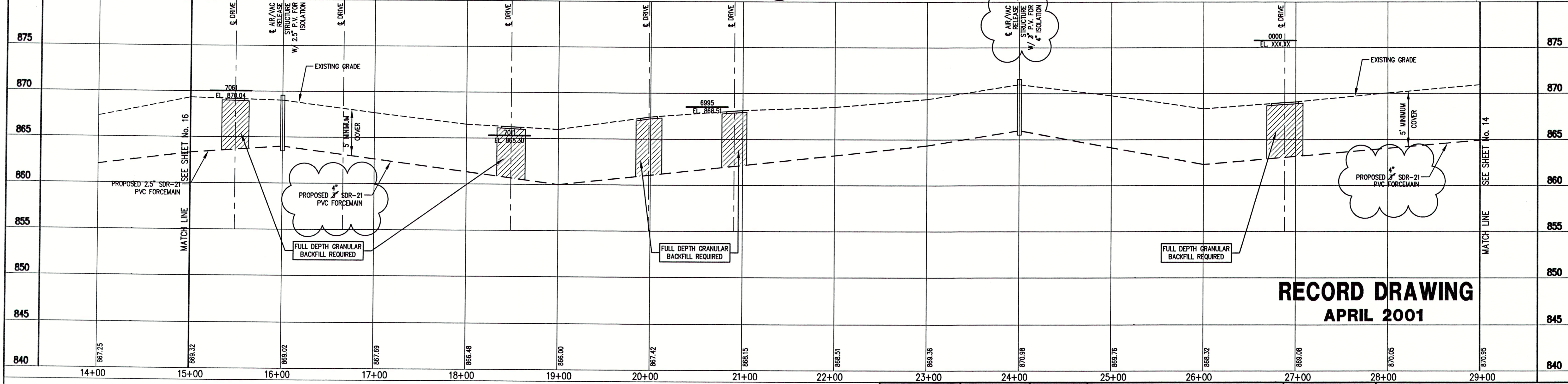
NOTE:
ALL SERVICE CONNECTION VALVE VAULTS SHALL BE PLACED AT, AND WITHIN, RIGHT-OF-WAY LINE.

LEGEND:

- TREE 1085
- POWER POLE
- GUY WIRE
- FIRE HYDRANT
- MAILBOX
- FLAGPOLE
- SPOT SIGN
- CONTOUR
- FENCE
- EXIST. SANITARY SEWER w/ MANHOLE
- NEW SANITARY SEWER w/ MANHOLE
- NEW SANITARY SERVICE CONNECTION
- 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
- PROPOSED GRINDER PUMP VALVE VAULT



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



**RECORD DRAWING
APRIL 2001**

FILE NAME: 2002-REC PLOT SCALE: 1=1 PLOT DATE: 04/05

TRIAD ASSOCIATES INC.
INDIANAPOLIS, INDIANA

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

JEFFERSON PL., CO. RD. 600W & CO. RD. 675W
FALL CREEK REGIONAL WASTE DISTRICT

PLAN AND PROFILE

DRAWN BY: DATE 04/12/98 PROJECT No. SHEET No.
DAP SCALE AS NOTED 98008A 15

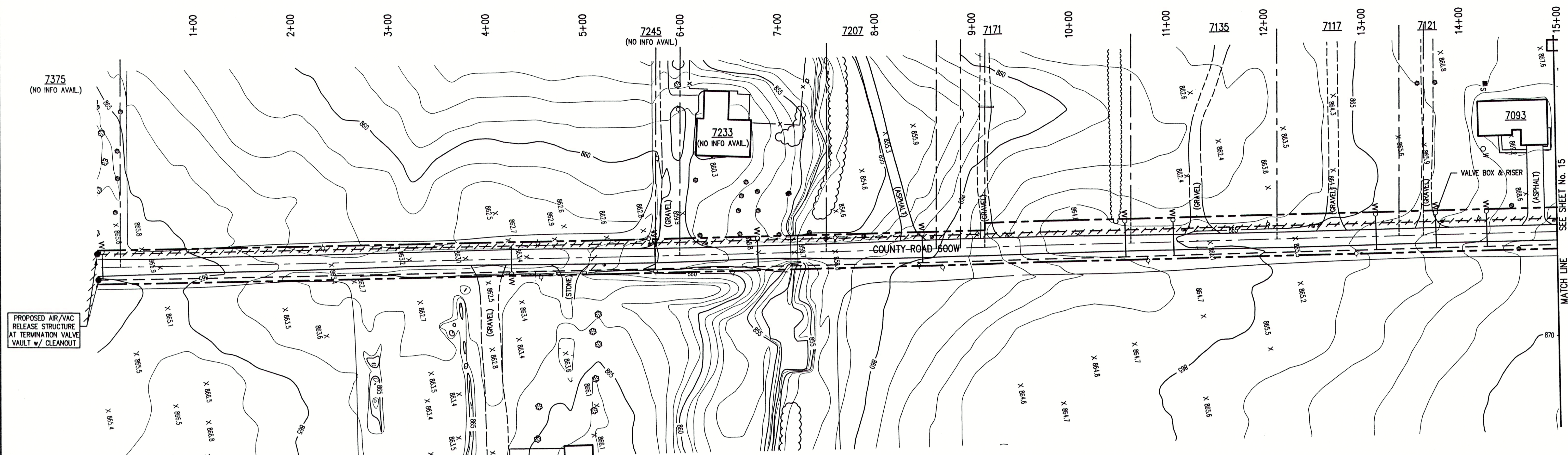
DESIGNED BY: D.A. Pauling
CHECKED BY: James W. Frazell, P.E.

20

NOTE:
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NO.	DATE	DESCRIPTION	BY

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PROPOSED AIR/VAC RELEASE STRUCTURE AT TERMINATION VALVE VAULT w/ CLEANOUT

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



DON'T DIG BLIND
CALL BEFORE YOU DIG
1-800-392-5544
1-800-428-5200

PER INDIANA STATE LAW 36-38-1991, 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

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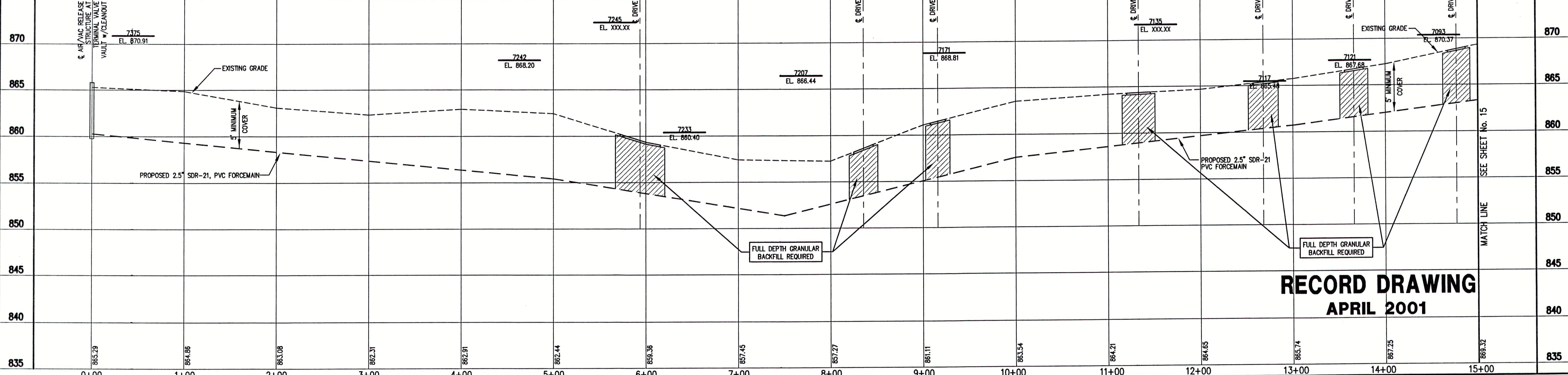
NOTE:
ALL SERVICE CONNECTION VALVE VAULTS SHALL BE PLACED AT, AND WITHIN, RIGHT-OF-WAY LINE.

LEGEND:

- TREE: 1085
- POWER POLE: X-X
- GUY WIRE: - - -
- FIRE HYDRANT: SC
- MAILBOX: SC
- FLAGPOLE: - - -
- SPOT SHOT: 2'-0"
- CONTOUR: 1085
- FENCE: - - -
- EXIST. SANITARY SEWER w/ MANHOLE: - - -
- NEW SANITARY SEWER w/ MANHOLE: - - -
- NEW SANITARY SERVICE CONNECTION: - - -
- WATER LINE: - - -
- GAS LINE: - - -
- UNDERGROUND ELECTRIC LINE: - - -
- UNDERGROUND TELEPHONE LINE: - - -
- APPROX. RIGHT-OF-WAY: - - -
- APPROX. CORPORATE LIMITS: - - -
- APPROX. PROPERTY LINE: - - -
- EXISTING WATER WELL: O
- EXISTING SEPTIC TANK: S
- PROPOSED GRINDER PUMP VALVE VAULT: W-O



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



RECORD DRAWING
APRIL 2001

NOTE:
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NO.	DATE	DESCRIPTION	BY

TRIAD ASSOCIATES INC.
INDIANAPOLIS, INDIANA

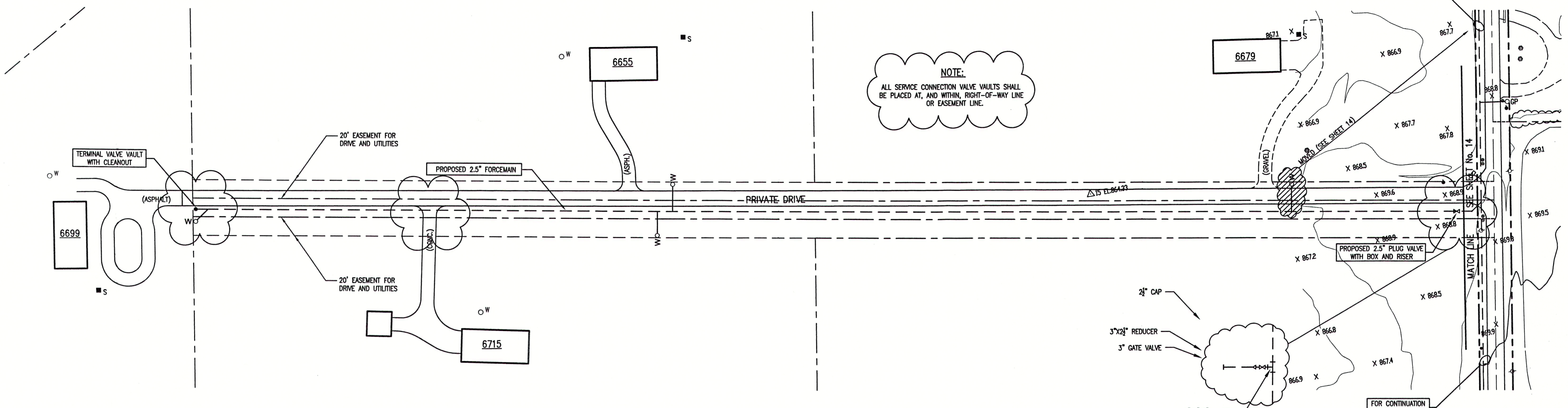
APPROVED BY:
THOMAS M. SCHUBERT
No. 15614
STATE OF INDIANA
PROFESSIONAL ENGINEER
Thomas M. Schubert, P.E.

JEFFERSON PL., CO. RD. 600W & CO. RD. 675W
FALL CREEK REGIONAL WASTE DISTRICT

PLAN AND PROFILE

DRAWN BY: DAP
DATE: 04/12/98
SCALE: AS NOTED
PROJECT No.: 98008A
SHEET No.: 16 OF 20

DESIGNED BY: D.A. Pauling
CHECKED BY: James W. Frazell, P.E.



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 15-69-1991, 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

GENERAL NOTES:

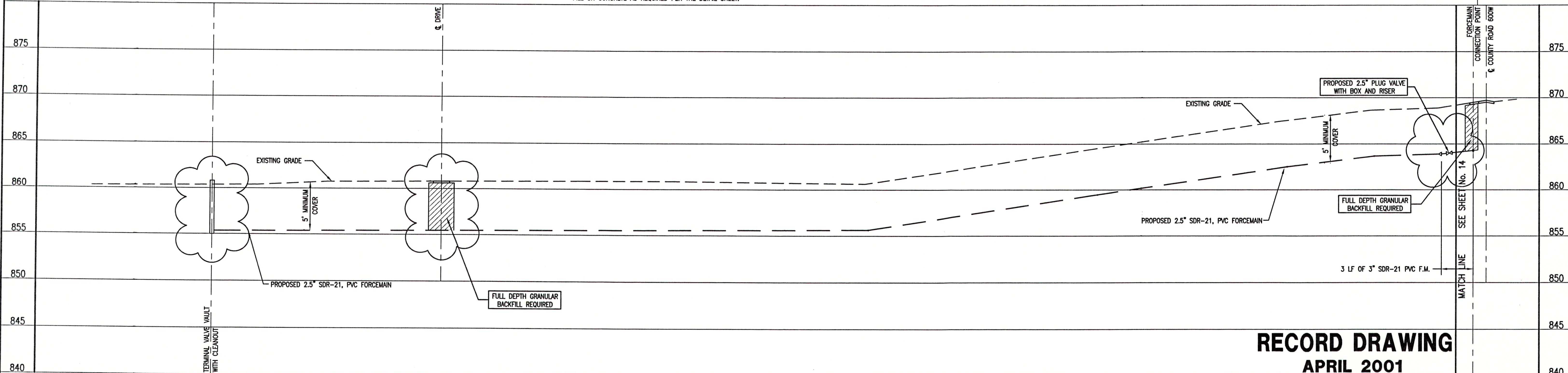
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LEGEND:

•	TREE	1085	CONTOUR	---	UNDERGROUND ELECTRIC LINE
○	POWER POLE	---	FENCE	---	UNDERGROUND TELEPHONE LINE
+	GUY WIRE	---	EXIST. SANITARY SEWER w/ MANHOLE	---	APPROX. RIGHT-OF-WAY
⊕	FIRE HYDRANT	---	NEW SANITARY SEWER w/ MANHOLE	---	APPROX. CORPORATE LIMITS
○ MB	MAILBOX	---	NEW SANITARY SERVICE CONNECTION	---	APPROX. PROPERTY LINE
FP	FLAGPOLE	---	WATER LINE	○ W	EXISTING WATER WELL
X 1085.2	SPOT SHOT	---	GAS LINE	■ S	EXISTING SEPTIC TANK
				W O	PROPOSED GRINDER PUMP VALVE VAULT



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



**RECORD DRAWING
APRIL 2001**

FILE NAME: JP_5-REC PLOT SCALE: 1=50 PLOT DATE: 04/05

TRIAD ASSOCIATES INC.
INDIANAPOLIS, INDIANA

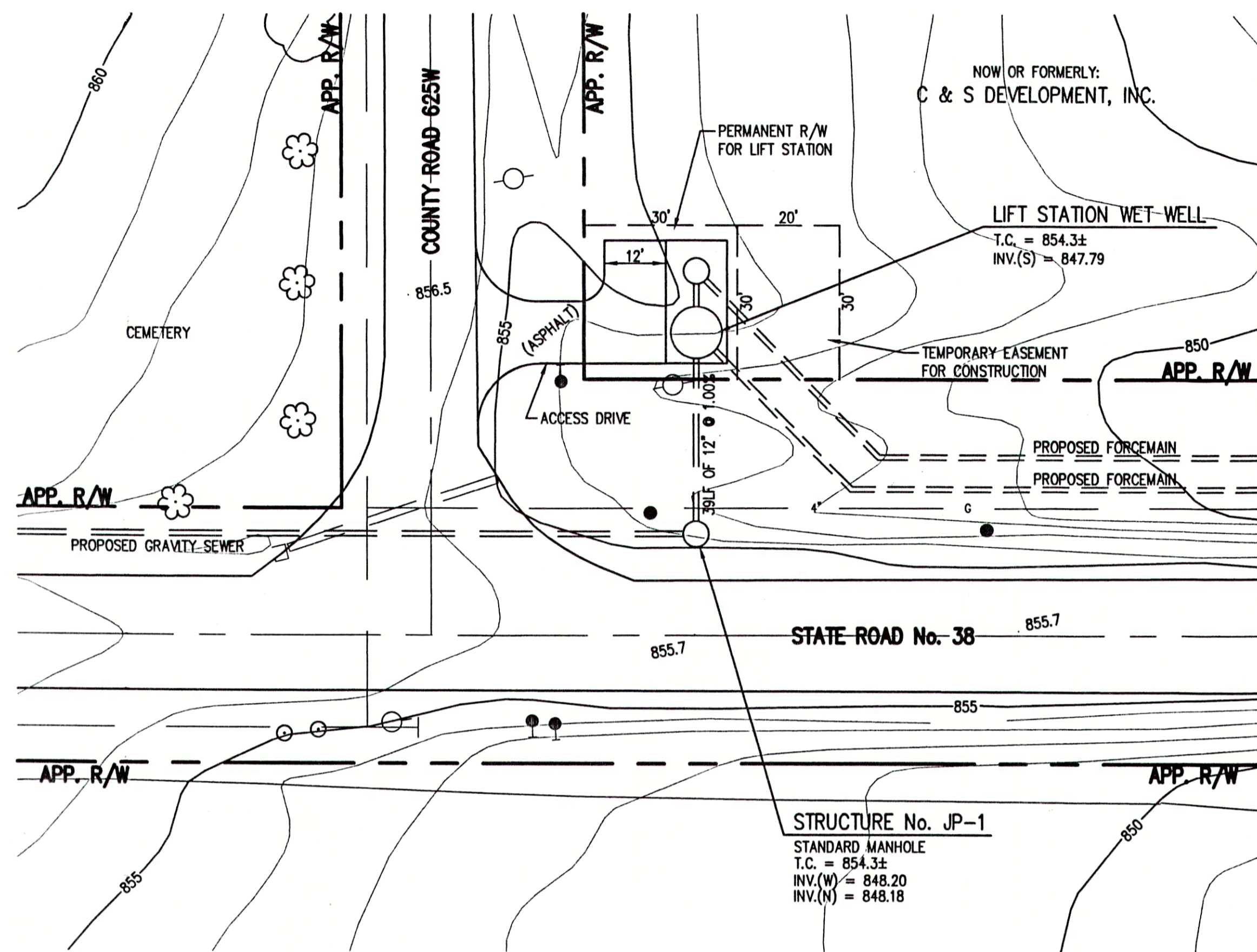
APPROVED BY:
THOMAS M. SCHUBERT
No. 15614
STATE OF INDIANA
PROFESSIONAL ENGINEER
Thomas M. Schubert, P.E.

JEFFERSON PL., CO. RD. 600W & CO. RD. 675W FALL CREEK REGIONAL WASTE DISTRICT			
PLAN AND PROFILE			
DRAWN BY: DAP	DATE 04/12/98	PROJECT No. 98008A	SHEET No. 17
DESIGNED BY: D.A. Pauling	CHECKED BY: James W. Frazell, P.E.	OF 20	

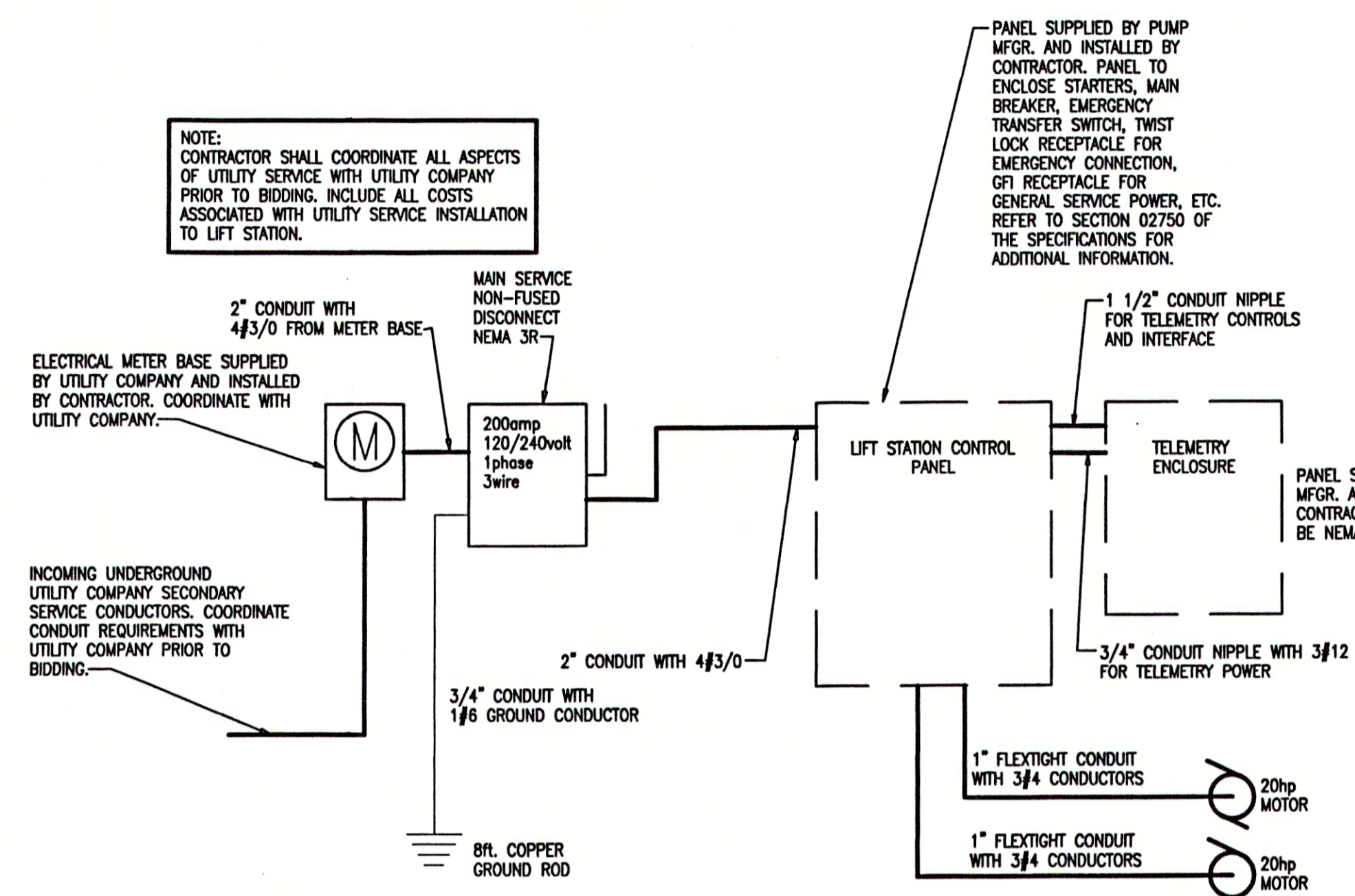
NOTE:
THE CONTRACTOR SHALL INCLUDE IN THE COSTS FOR SANITARY PIPE, ALL WATER SERVICE RECONNECTIONS, STORM SEWER RECONNECTION, WATER MAIN RELOCATIONS, CONCRETE RECONSTRUCTION, AND SIDEWALK RECONSTRUCTION AS REQUIRED TO INSTALL NEW WORK AS SHOWN ON THE DRAWINGS.

NO.	DATE	DESCRIPTION	BY

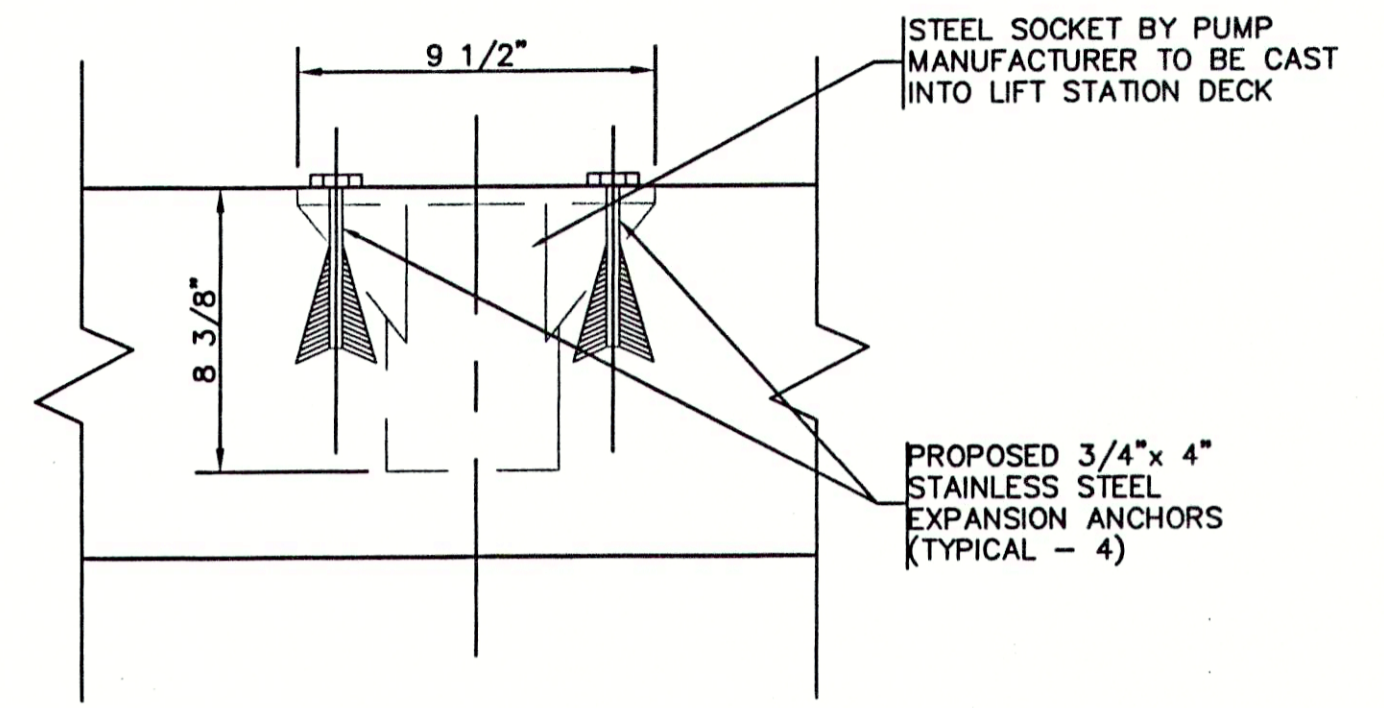
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1 LIFT STATION PLAN VIEW
SCALE: 1" = 20'



ELECTRICAL POWER RISER DIAGRAM
SCALE: N.T.S.



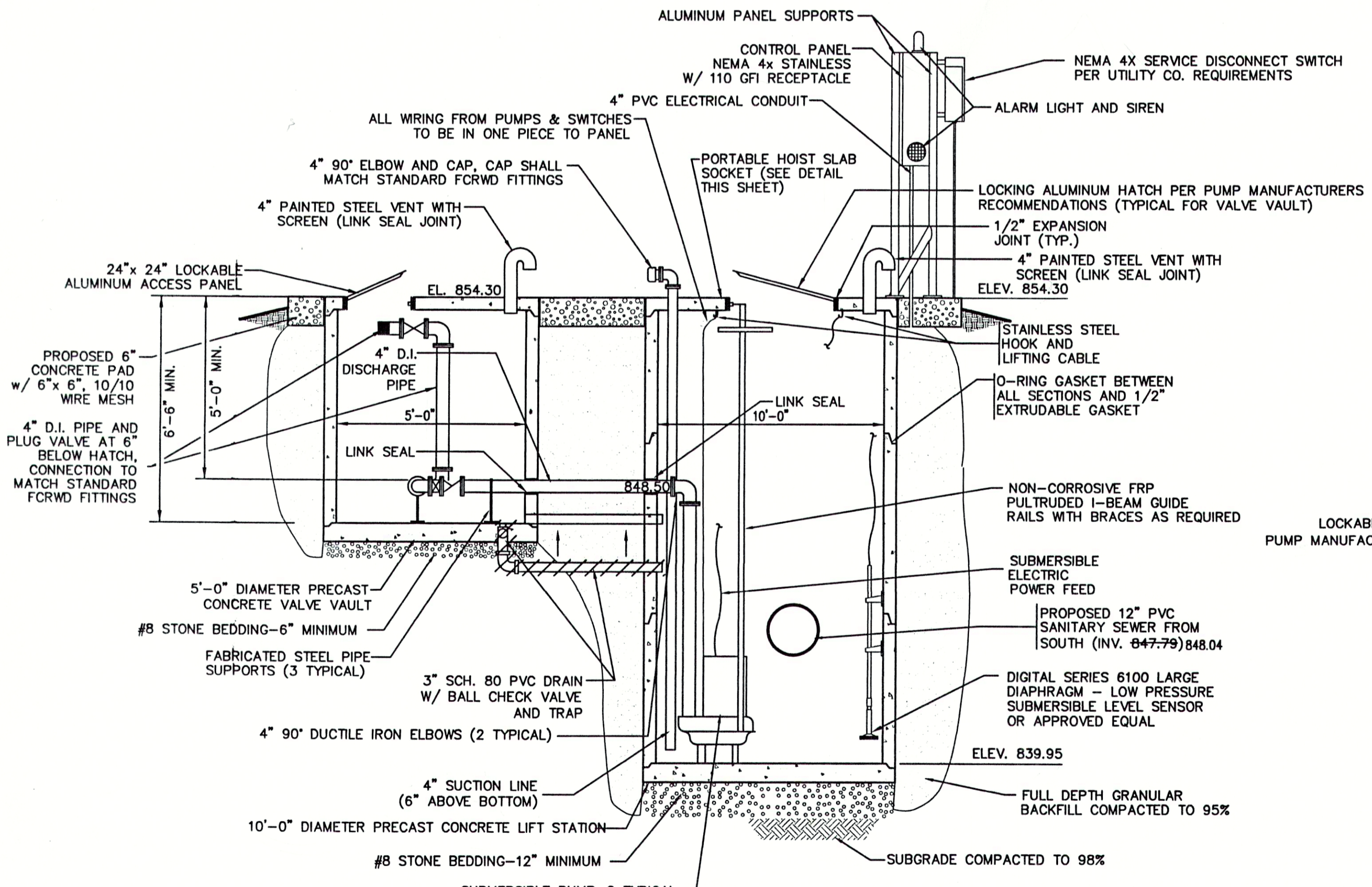
0 PORTABLE HOIST SLAB SOCKET DETAIL
SCALE: N.T.S.

LIFT STATION PUMP TABLE

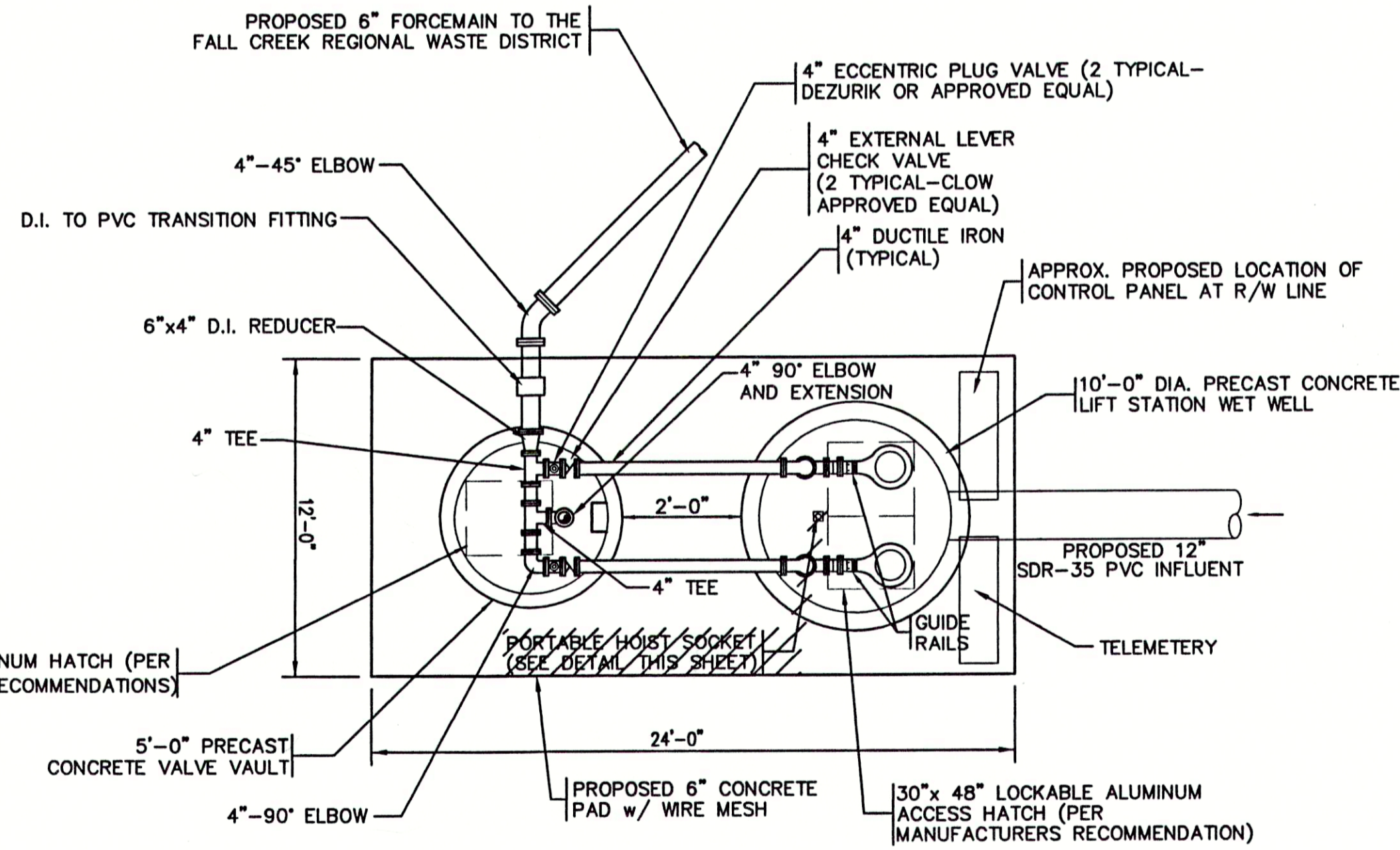
PUMP DATA TABLE	
CAPACITY	222 GPM
TDH	78 FEET
HP(min.)	20
RPM	1750
VOLTAGE	230/460
PHASE	3
TYPE	NON-CLOG
DISCHARGE	4"

TRANSDUCER SET POINTS	
FLOAT FUNCTION	ELEVATION
PUMPS OFF	840.78
LEAD PUMP ON	844.56
ALARM	846.06
LAG PUMP ON	845.56

- GENERAL NOTES:**
- CONTRACTOR TO VERIFY AVAILABLE POWER SOURCE PRIOR TO EQUIPMENT ORDER AND COORDINATE WORK WITH ELECTRIC UTILITY COMPANY.
 - PIPE PENETRATIONS TO UTILIZE FLEXIBLE BOOTS, CONNECTORS, CAST IN PLACE GASKETS, ETC. APPROVED BY ENGINEER PRIOR TO CONSTRUCTION.
 - CONTRACTOR TO INSTALL ALL EQUIPMENT IN COMPLETE ACCORDANCE WITH ALL MANUFACTURER'S RECOMMENDATIONS.
 - ALL FASTENERS, SUPPORTS, ETC. TO BE STAINLESS STEEL.
 - REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.
 - ALL CONCRETE TO BE MINIMUM F_c = 4000 PSI. ALL REINFORCING STEEL TO BE MINIMUM F_y = 60,000 PSI.
 - ALL FERROUS METAL SURFACES TO BE PREPARED AND PAINTED.
 - CONTRACTOR TO COORDINATE WITH ALL OTHER APPLICABLE PLAN SHEETS AND SPECIFICATIONS.
 - CONTRACTOR TO TEST ALL EQUIPMENT, PIPING, STRUCTURES, ETC. IN ACCORDANCE WITH THE SPECIFICATIONS, PRIOR TO PLACING THE STATION INTO SERVICE IN THE PRESENCE OF ENGINEERS AND MANUFACTURER'S REPRESENTATIVES.
 - CONCRETE STRUCTURE BELOW GRADE SHALL BE COATED WITH A BITUMINOUS COATING PER SPECIFICATIONS.



0 LIFT STATION SECTION
SCALE: N.T.S.



0 LIFT STATION PLAN VIEW
SCALE: N.T.S.

RECORD DRAWING
APRIL 2001

NO.	DATE	DESCRIPTION	BY

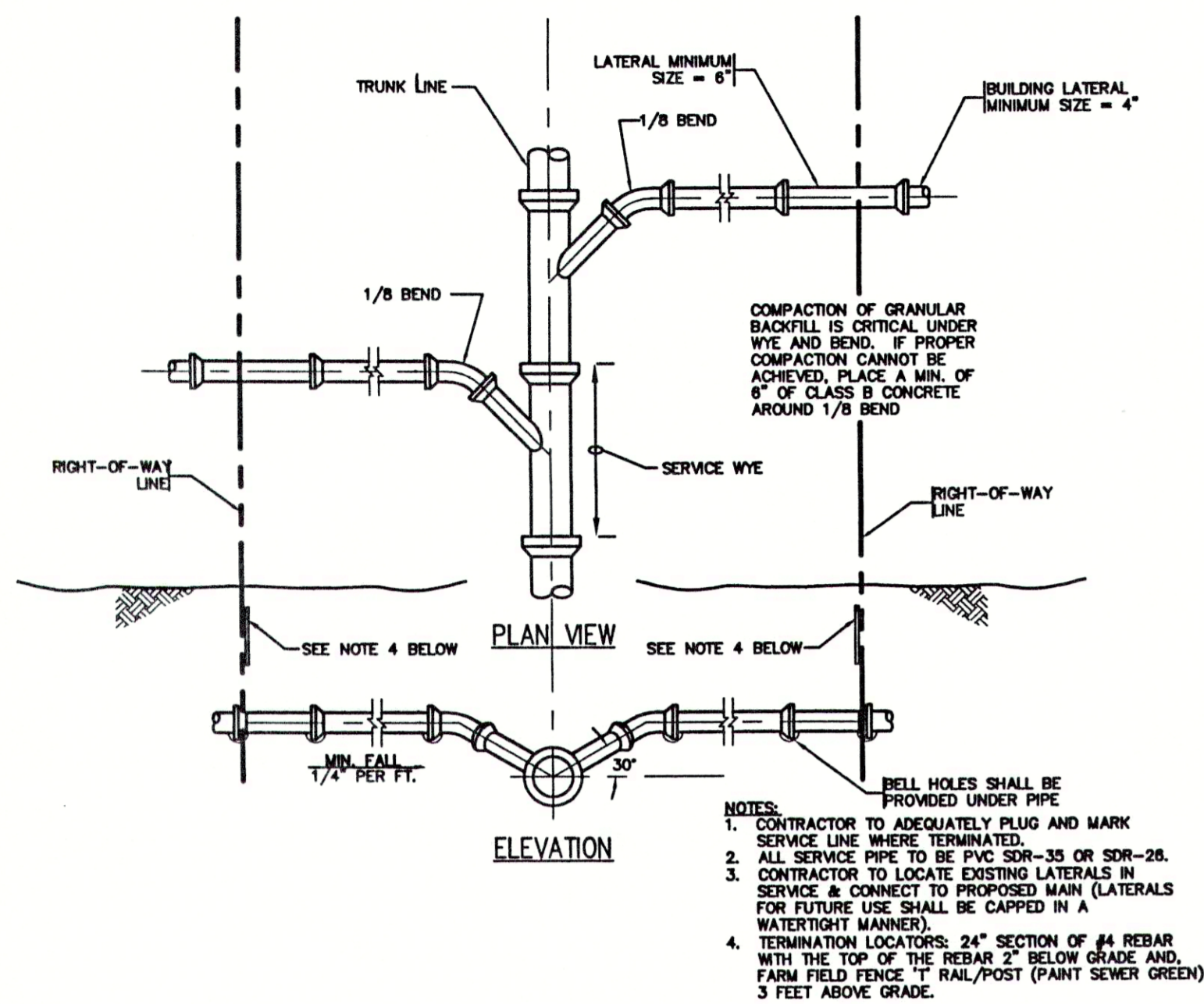
TRIAD ASSOCIATES INC.
INDIANAPOLIS, INDIANA

APPROVED BY: **THOMAS M. SCHUBERT**
REGISTERED PROFESSIONAL ENGINEER
No. 15614
STATE OF INDIANA

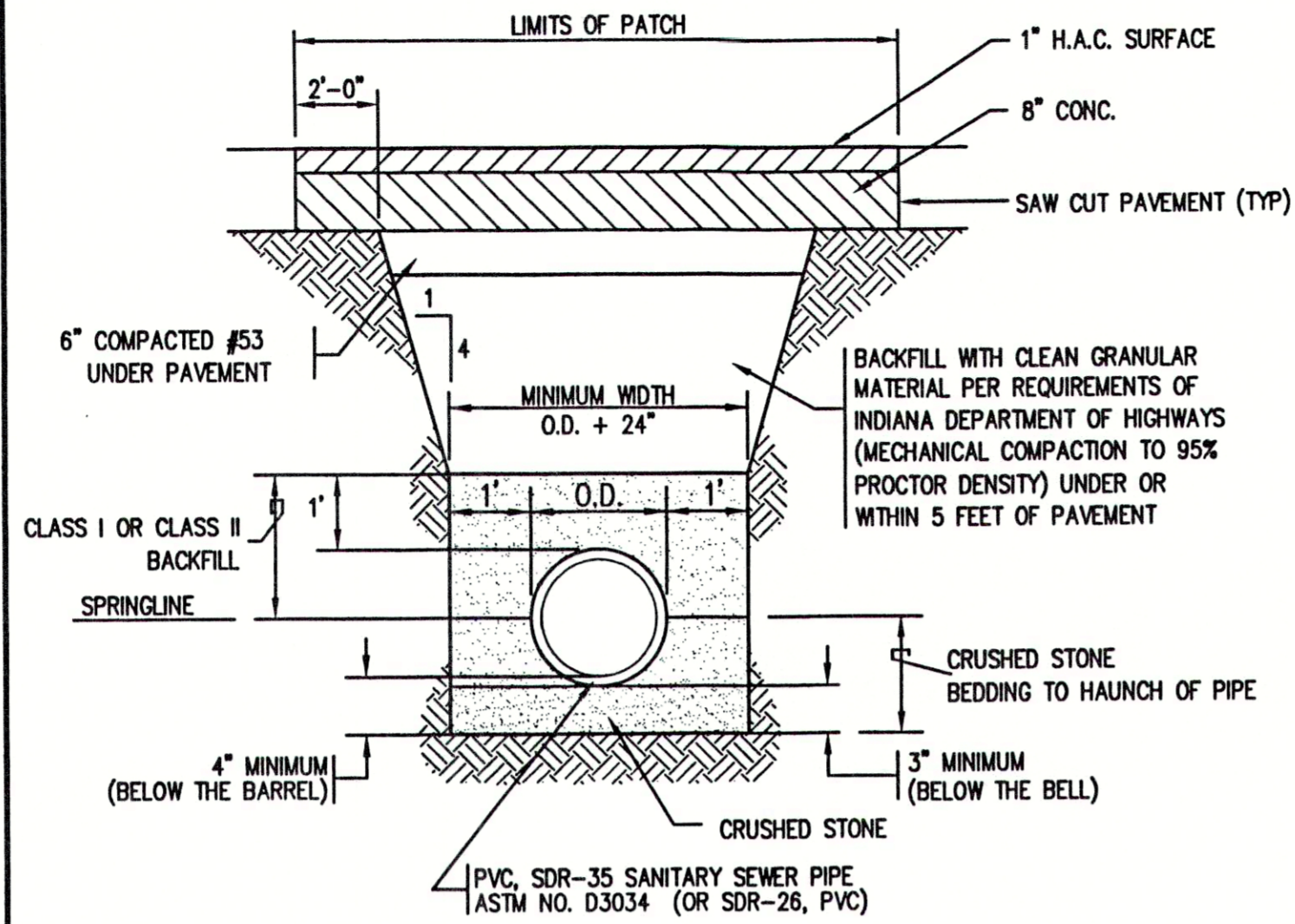
JEFFERSON PL., CO. RD. 600W & CO. RD. 675W
FALL CREEK REGIONAL WASTE DISTRICT

LIFT STATION DETAIL

DRAWN BY: DAP	DATE: 4/12/98	PROJECT No.: 98008A	SHEET No.: 18
DESIGNED BY: D.A. Pauling	SCALE: AS NOTED		
CHECKED BY: James W. Frazell, P.E.			20

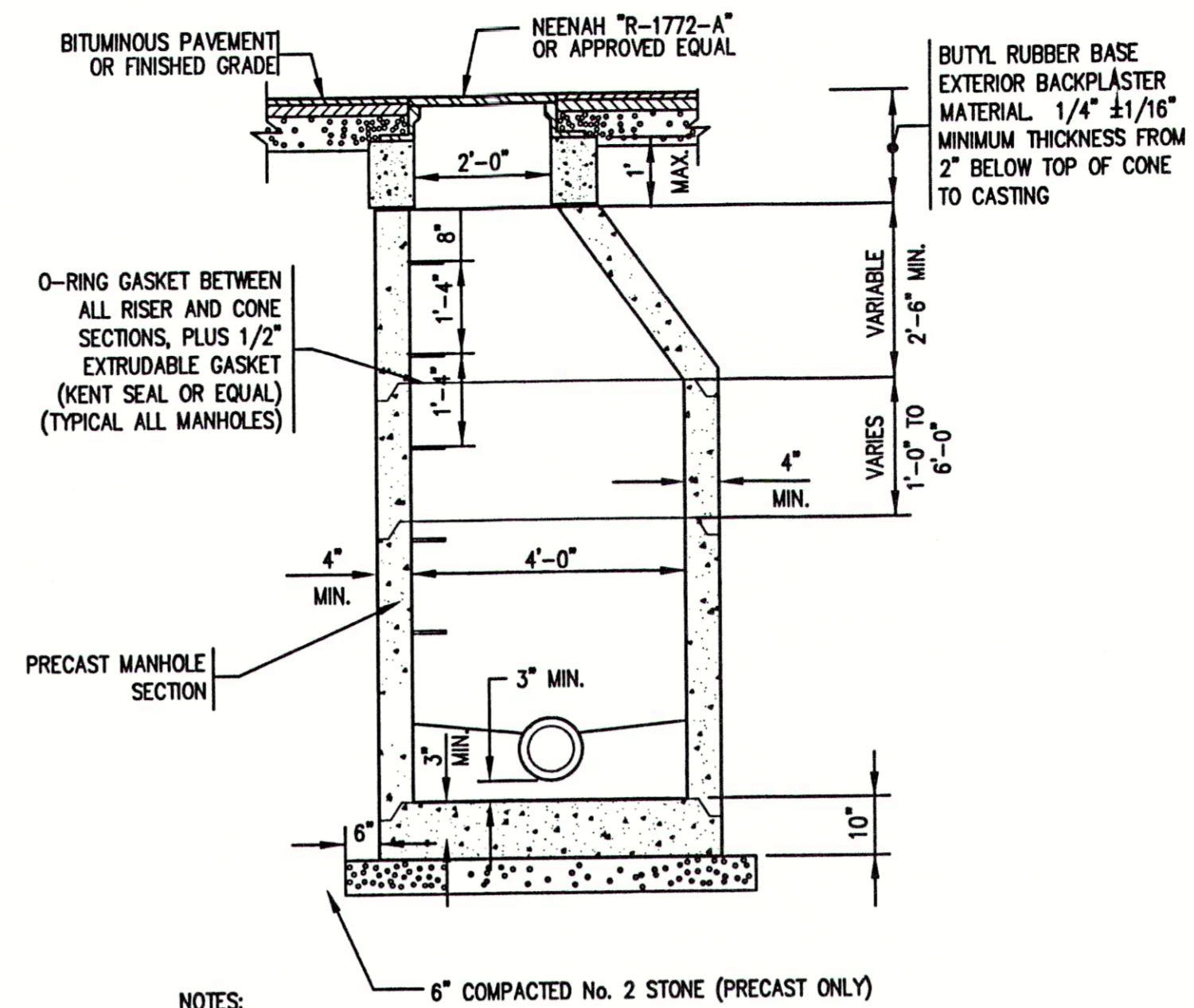


1 SERVICE CONNECTION DETAIL
SCALE: N.T.S.



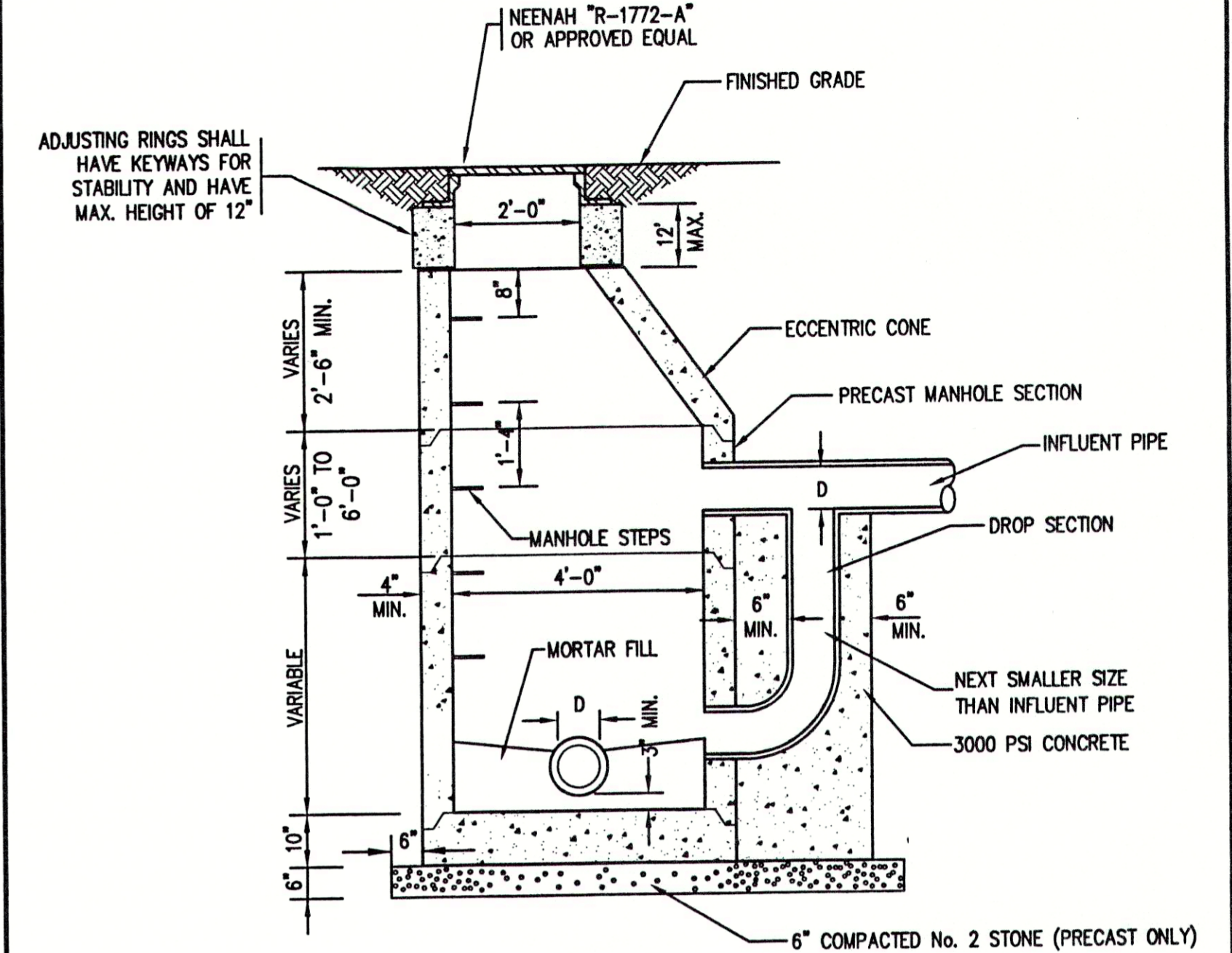
- NOTES:
1. BITUMINOUS PAVEMENT TACK COAT SHALL BE PLACED BETWEEN THE CONCRETE SUBSURFACE AND ALONG THE SAW CUTS.
 2. FORCEMAIN INSTALLATION TO UTILIZE CLEAN SAND IN LIEU OF #8 STONE BEDDING AND BACKFILL TO 12" ABOVE TOP OF PIPE.
 3. THIS SECTION USED FOR ALL PAY ITEMS.
 4. CONTRACTOR TO MEET ALL APPLICABLE O.S.H.A. STANDARDS FOR SAFETY DURING CONSTRUCTION.
 5. CONTRACTOR SHALL PROVIDE ALL SHORING, BRACING, ETC. REQUIRED TO PROTECT EXISTING STRUCTURES AND PAVEMENT.

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

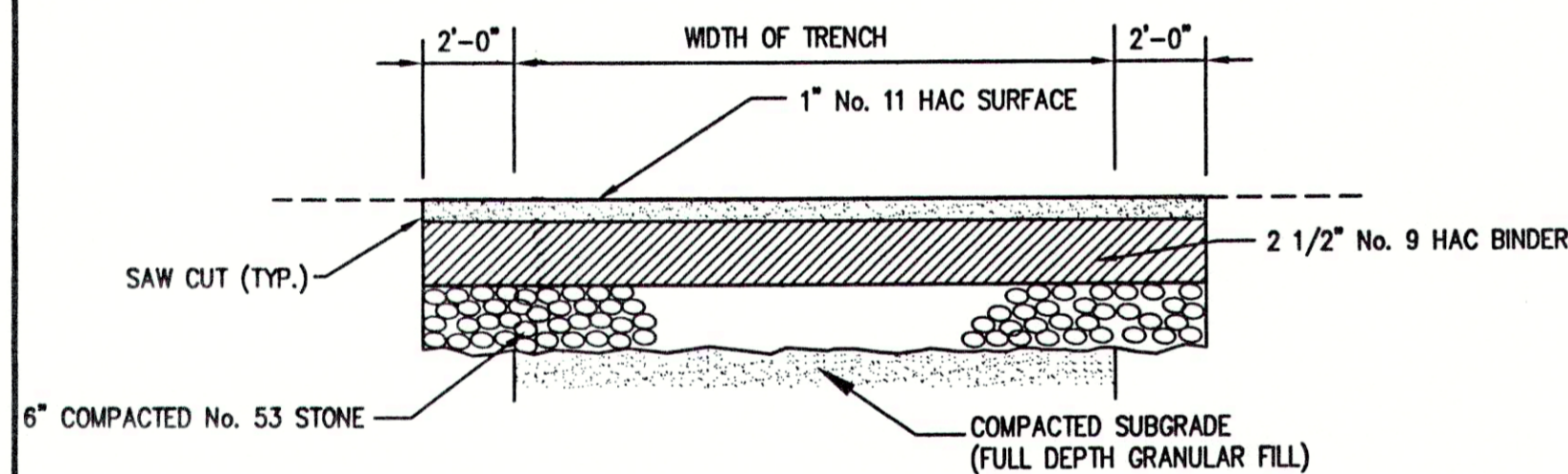


- NOTES:
1. MANHOLE STEPS SHALL BE POLYPROPYLENE, POLYPROPYLENE COATED STEEL REINFORCING OR APPROVED NON-CORROSIVE FIBERGLASS MATERIAL. COPOLYMER POLYPROPYLENE SHALL MEET ASTM D-4101 REINFORCED WITH DEFORMED 3/8" STEEL MEETING ASTM A-615, GRADE 60.
 2. MANHOLE CONFORMS TO ASTM C-478 JOINT CONFORMS TO ASTM C-443

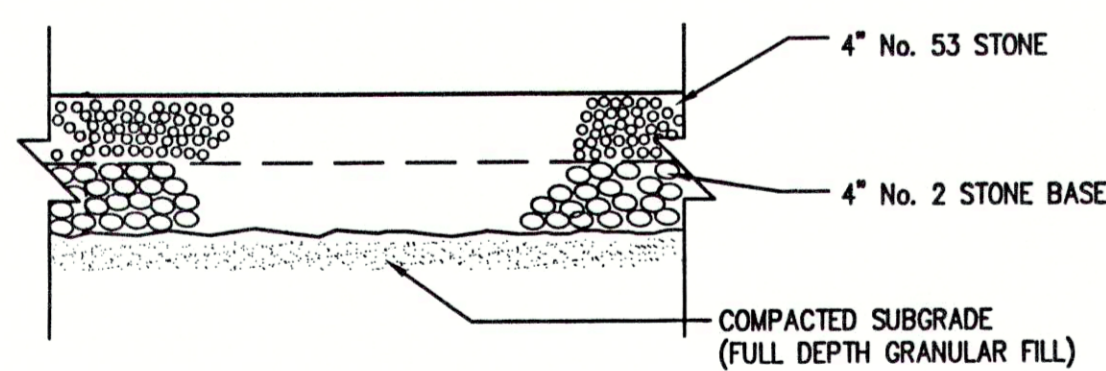
3 SANITARY MANHOLE
SCALE: N.T.S.



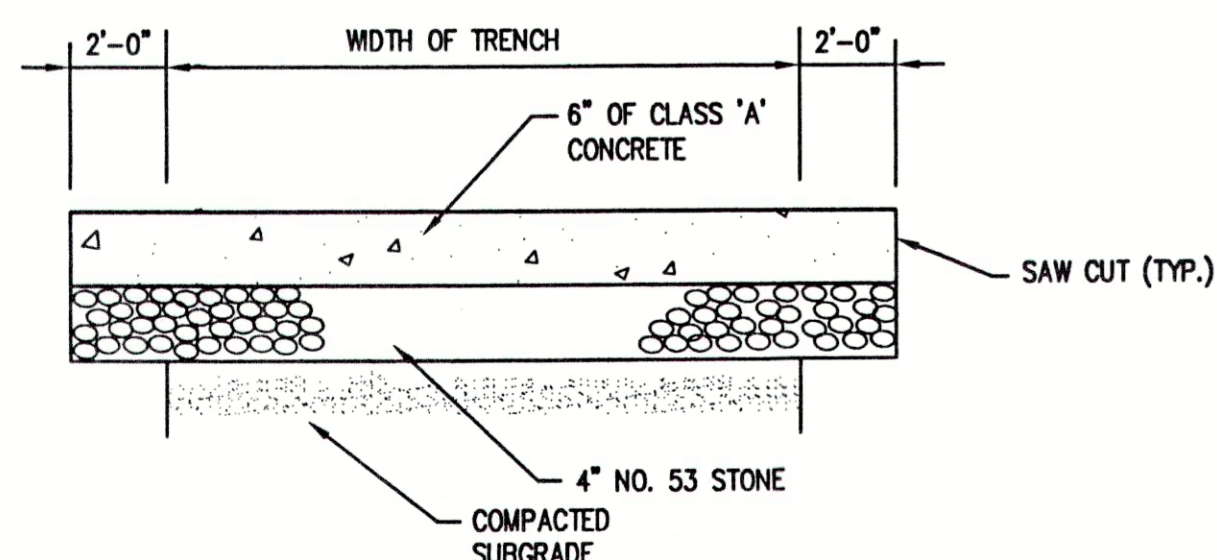
4 DROP MANHOLE
SCALE: N.T.S.



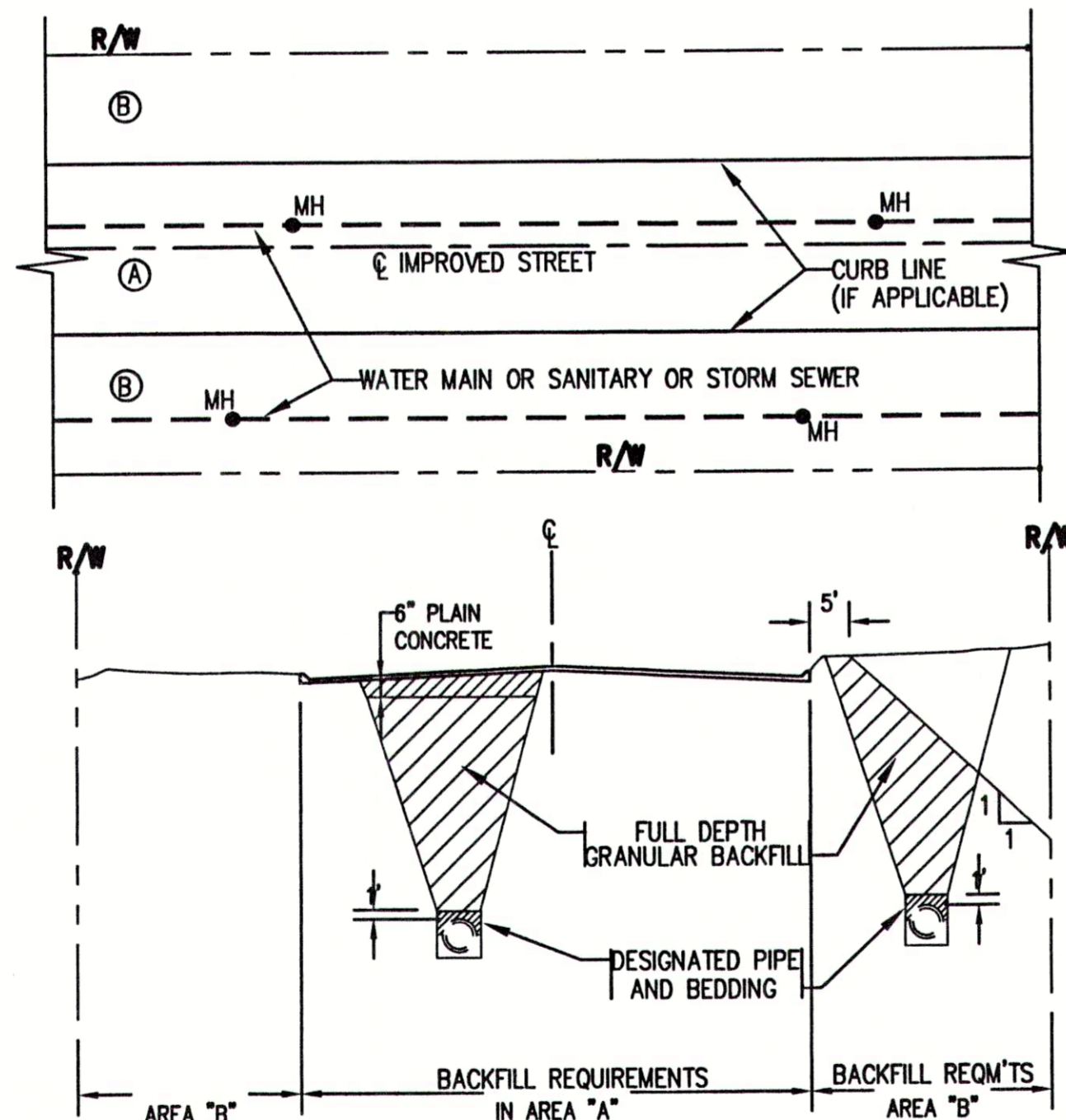
5 ASPHALT DRIVE REPAIR DETAIL
SCALE: N.T.S.



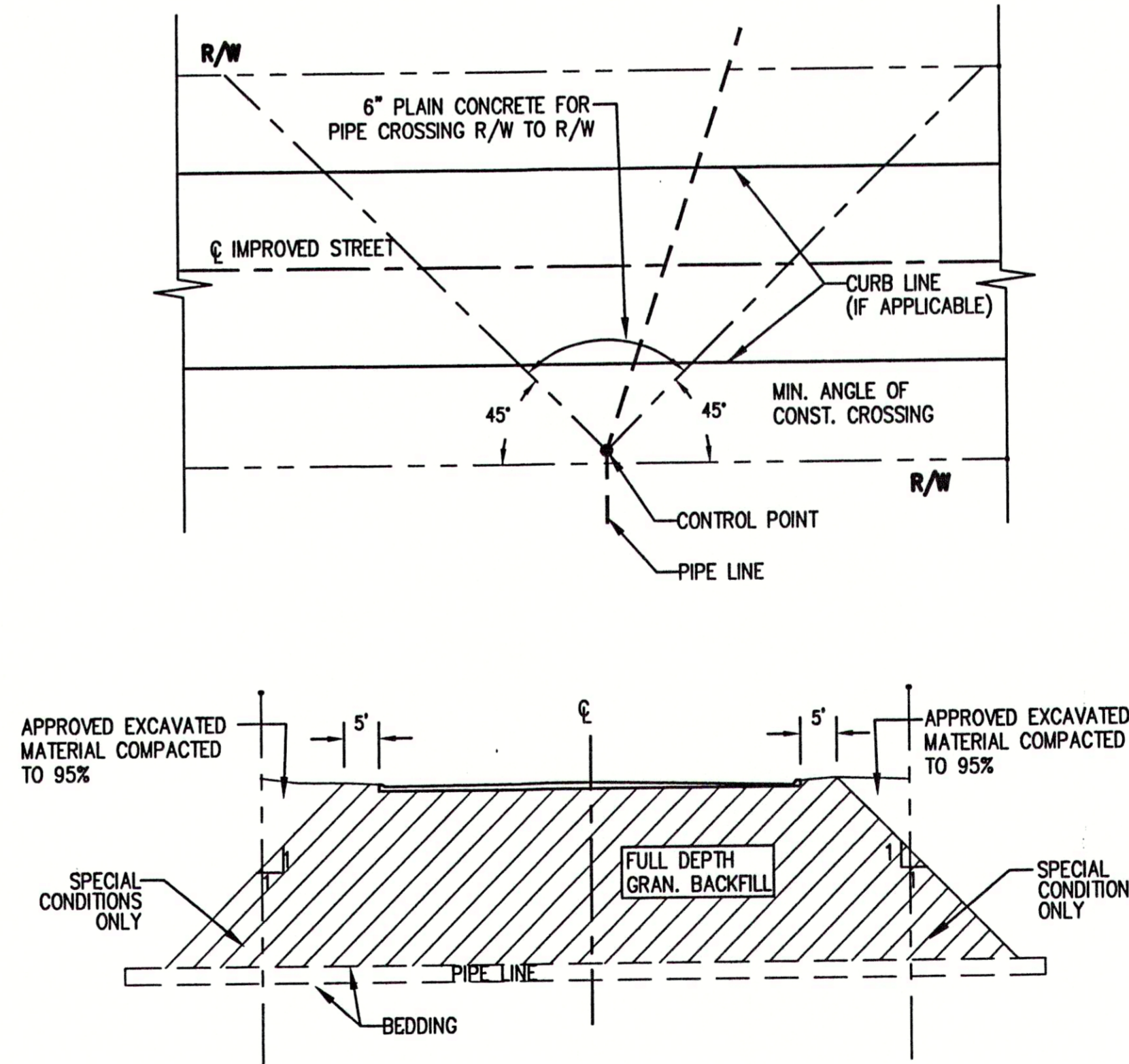
6 STONE DRIVE REPAIR DETAIL
SCALE: N.T.S.



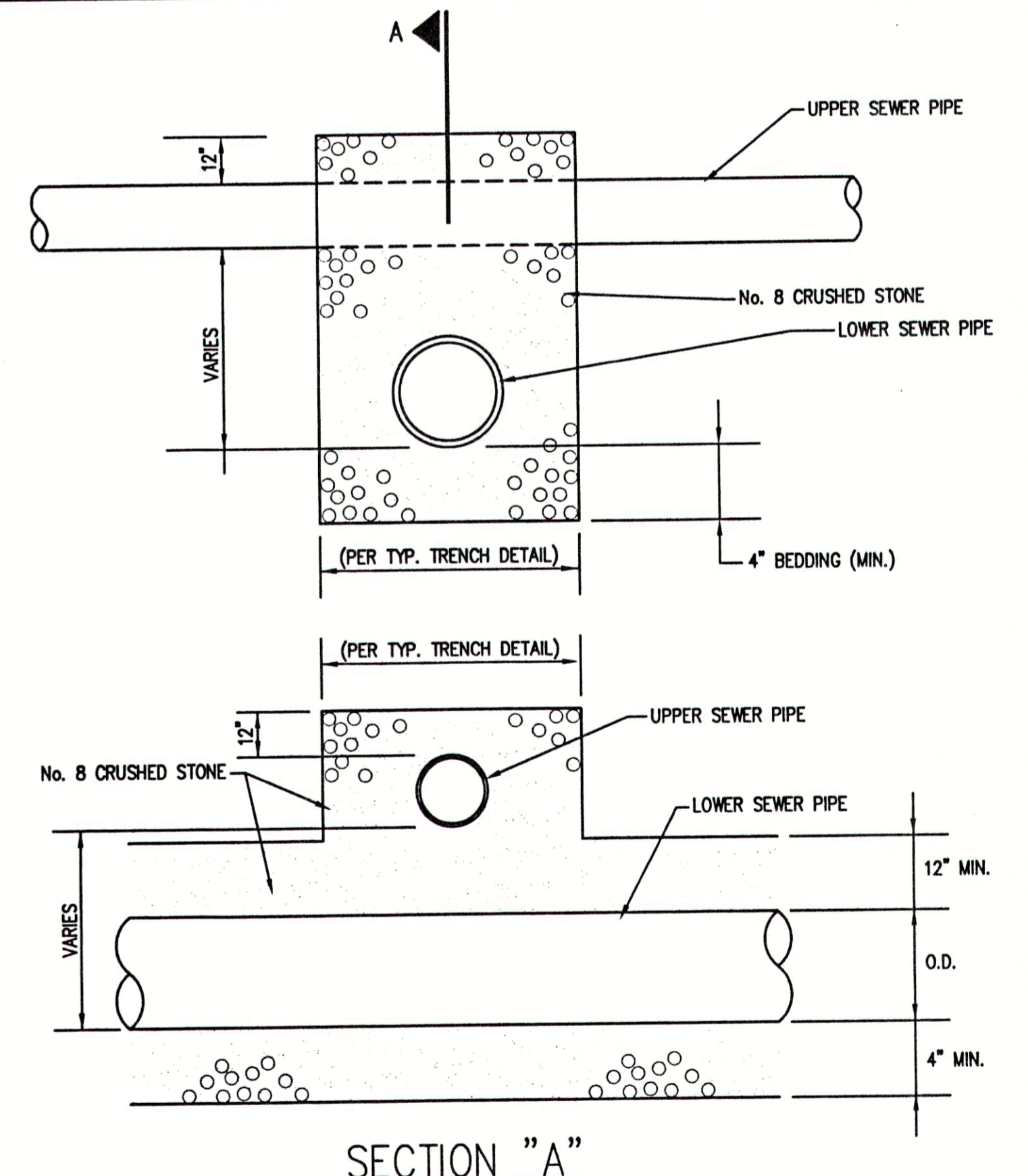
7 CONCRETE DRIVE REPAIR DETAIL
SCALE: N.T.S.



8 BACKFILL REQUIREMENTS
(FOR PIPELINES WITHIN RIGHT-OF-WAY FOR IMPROVED STREETS)



9 BACKFILL REQUIREMENTS
(FOR PIPELINES CROSSING RIGHT-OF-WAY FOR IMPROVED STREETS)



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

RECORD DRAWING
APRIL 2001

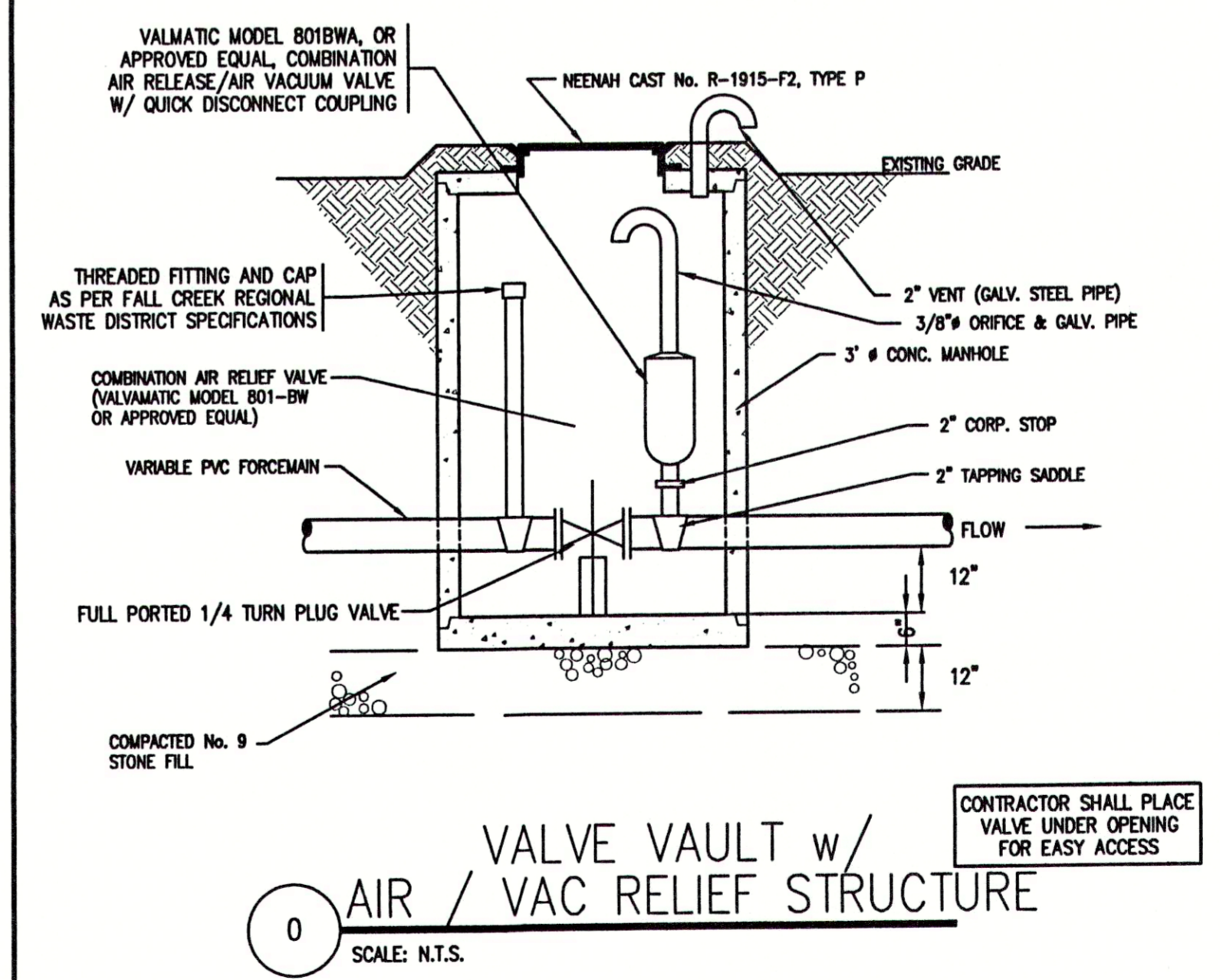
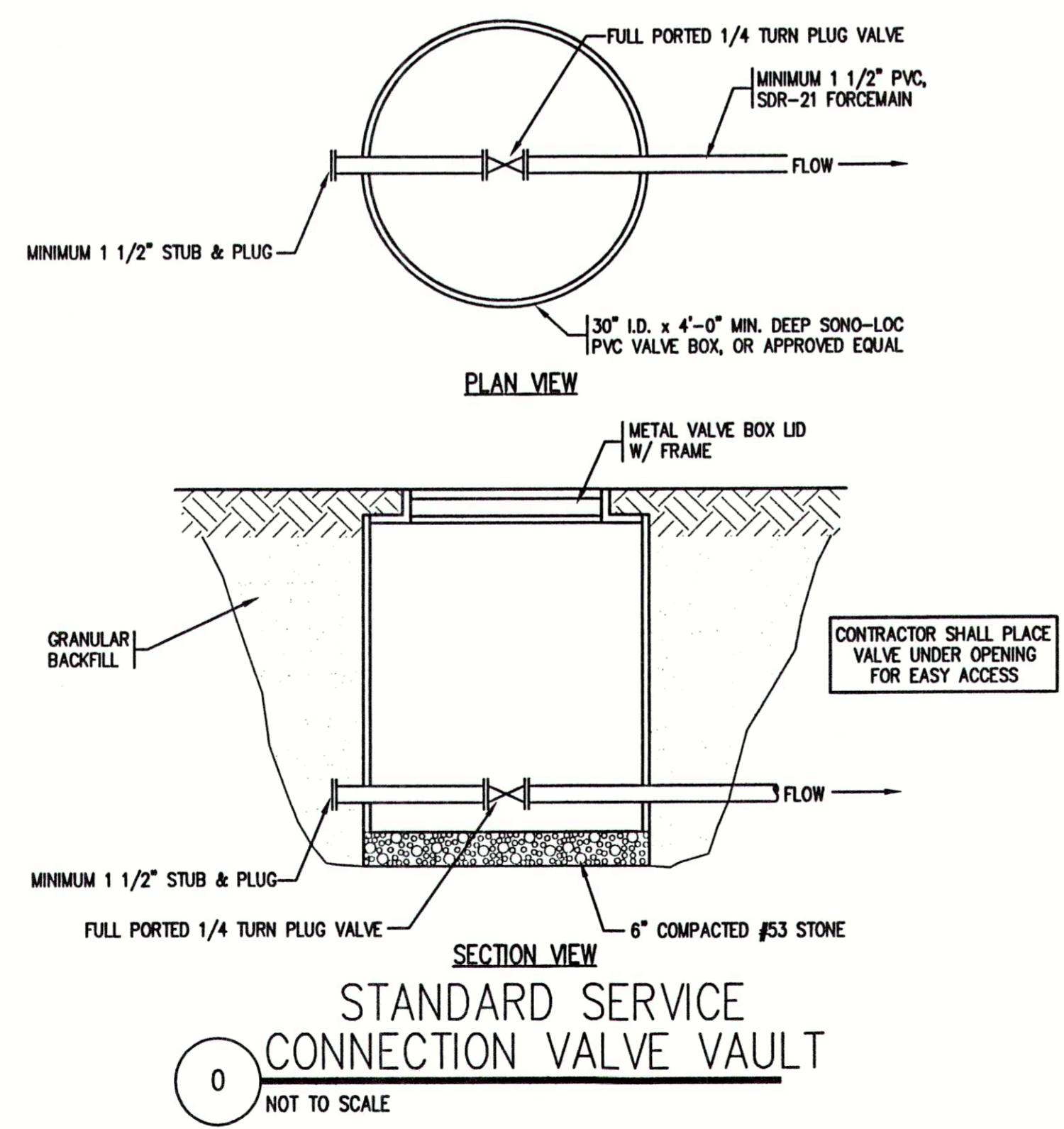
FILE NAME:	JP_D1-REC	PLOT SCALE:	1=1	PLOT DATE:	04/05
NO.	DATE	DESCRIPTION	BY		

TRIAD ASSOCIATES INC.
INDIANAPOLIS, INDIANA

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

JEFFERSON PL., CO. RD. 600W & CO. RD. 675W
FALL CREEK REGIONAL WASTE DISTRICT
STANDARD SANITARY SEWER DETAILS
DRAWN BY: DATE 04/12/98 PROJECT No. SHEET No.
DAP SCALE AS NOTED 98008A 19
DESIGNED BY: D.A. Pauling
CHECKED BY: James W. Frazell, P.E.
of 20

128-30



RECORD DRAWING
APRIL 2001

FILE NAME:	JP_D2-REC	PLOT SCALE:	1=1	PLOT DATE:	04/05
NO.	DATE	DESCRIPTION	BY		

TRIAD ASSOCIATES INC.
INDIANAPOLIS, INDIANA

APPROVED BY:
THOMAS M. SCHUBERT
No. 15614
STATE OF INDIANA
PROFESSIONAL ENGINEER
Thomas M. Schubert, P.E.

JEFFERSON PL., CO. RD. 600W & CO. RD. 675W FALL CREEK REGIONAL WASTE DISTRICT			
LIFT STATION AND FORCEMAIN DETAILS			
DRAWN BY:	DATE	PROJECT No.	SHEET No.
DAP	04/12/98	98008A	20
DESIGNED BY:	D.A. Pauling		20
CHECKED BY:	James W. Frazell, P.E.		OF