

FREED'S VILLAGE ADDITION SANITARY SEWER PROJECT

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

1998

SRF PROJECT NO. CS 18207701

DIVISION II

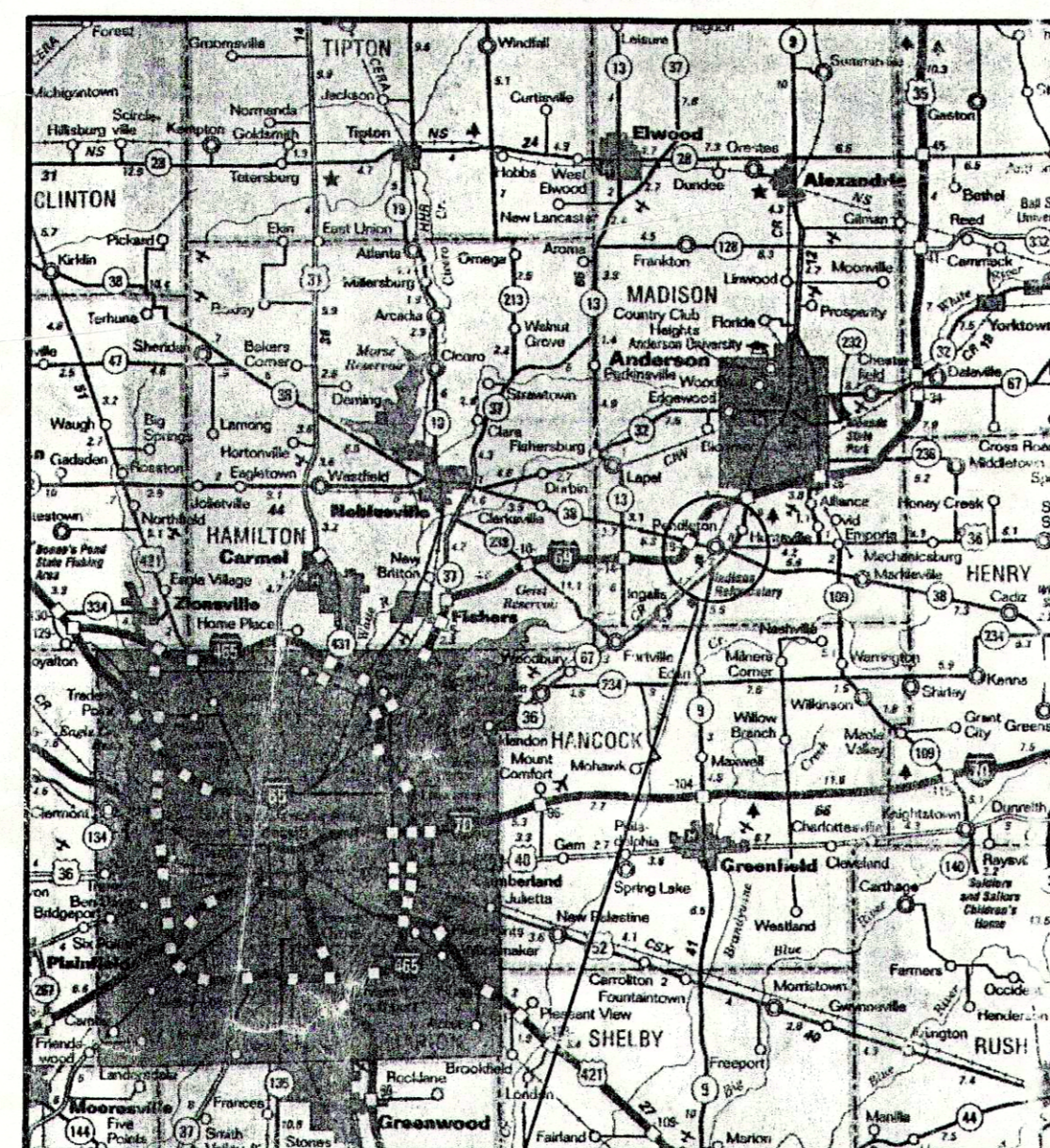
CONTRACT 'B'

JOE ROWLETT - GENERAL MANAGER

SHEET INDEX

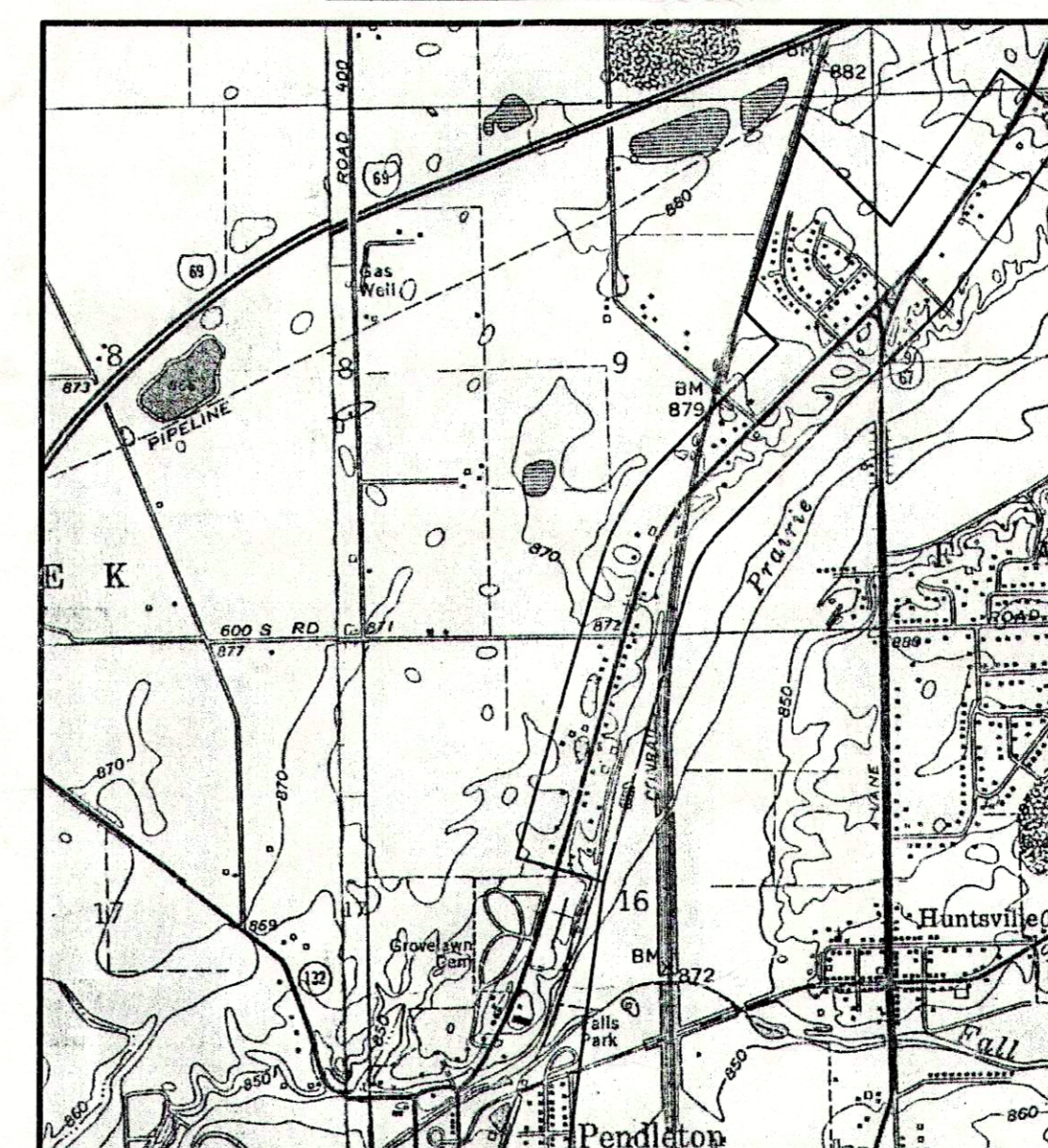
SHEET NO.	DESCRIPTION
1	TITLE SHEET AND INDEX
2	PROJECT BASE MAP
3-17	PLAN AND PROFILES
18	LIFT STATION DETAILS
19-21	STANDARD SANITARY DETAILS

AREA MAP

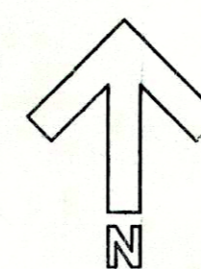


AREA
LOCATION

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.



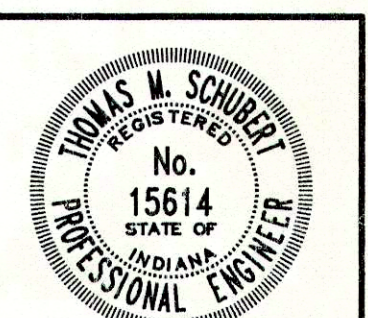
DON'T DIG BLIND
CALL BEFORE YOU DIG
IN INDIANA
1-800-382-5544
OUT OF INDIANA
1-800-428-5200

PER INDIANA STATE LAW IS-68-1991, 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

- FV-TBM #1 - NORTH FLANGE BOLT WITH "Y" NOTCH OF FIRE HYDRANT AT INTERSECTION OF PENDLETON AVENUE AND MARCY AVENUE ELEV. - 878.51
- FV-TBM #2 - FLANGE BOLT UNDER ARROW OF FIRE HYDRANT AT INTERSECTION OF PENDLETON AVENUE AND BESS BOULEVARD ELEV. - 875.94
- FV-TBM #3 - FLANGE BOLT UNDER ARROW OF FIRE HYDRANT AT 5962 PENDLETON AVENUE ELEV. - 878.09
- FV-TBM #4 - FLANGE BOLT WITH CUT LINES OF FIRE HYDRANT ACROSS FROM HOUSE 640(?) ELEV. - 875.62
- FV-TBM #5 - SOUTHEAST FLANGE BOLT WITH TAG LINES OF FIRE HYDRANT AT NORTHEAST CORNER OF CEMETARY ELEV. - 876.20

UTILITIES

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

GTE
P.O. BOX 1406
RICHMOND, INDIANA 47375
1 (800) 483-5600

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

CYNERGY/PSI
100 S. MILL CREEK ROAD
NOBLESVILLE, INDIANA 46060
1 (800) 521-2232

TCI OF CENTRAL INDIANA
335 E. 10th STREET
ANDERSON, INDIANA 46016
1 (765) 649-0407

PENDLETON MUNICIPAL WATER UTILITY
P.O. BOX 230
PENDLETON, INDIANA 46064
1 (765) 778-2173

LEGEND

- 4 - SHEET DESIGNATION
- PROPOSED GRAVITY SEWER
- PROPOSED SANITARY MANHOLE
- PROPOSED SANITARY FORCEMAIN

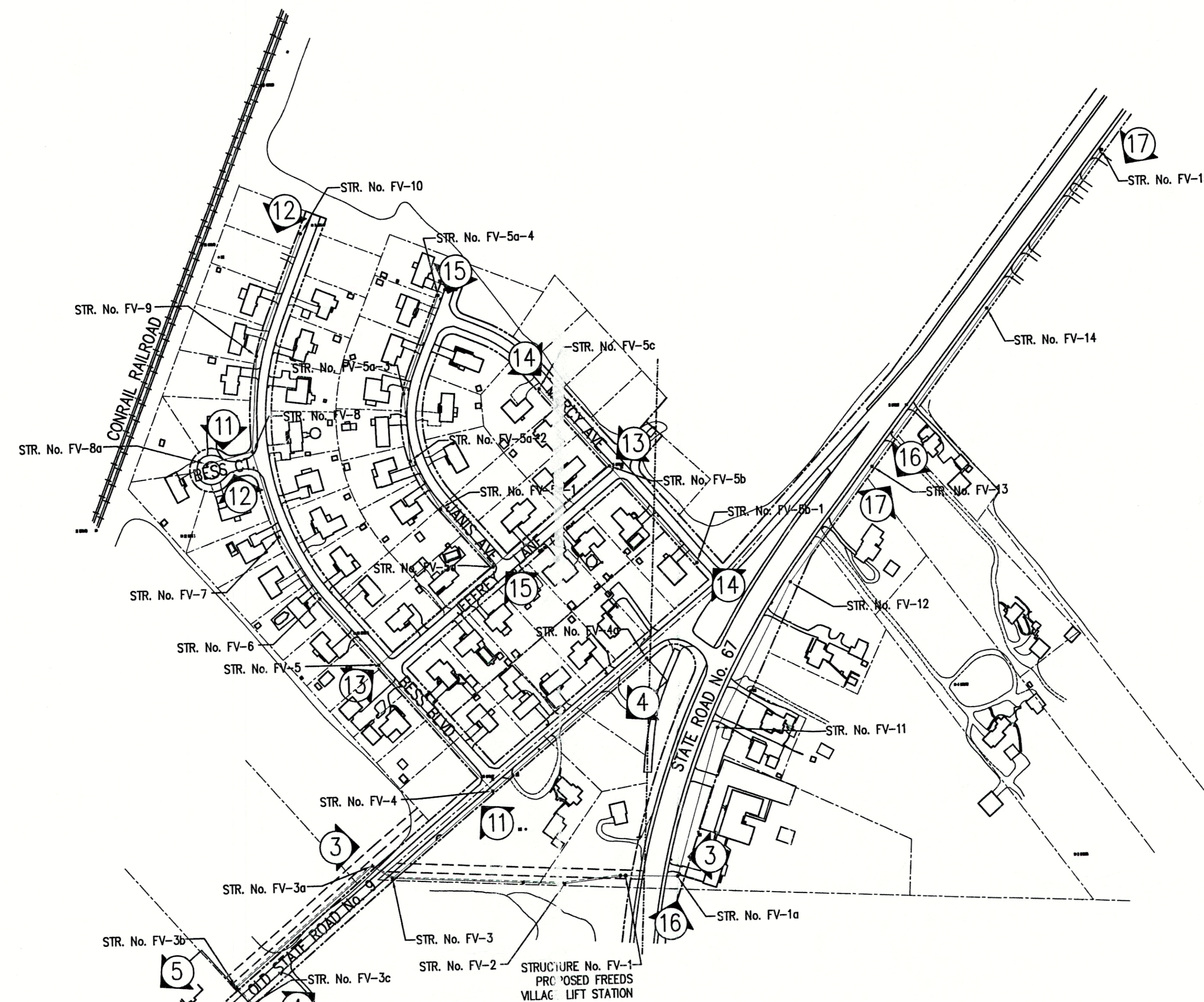
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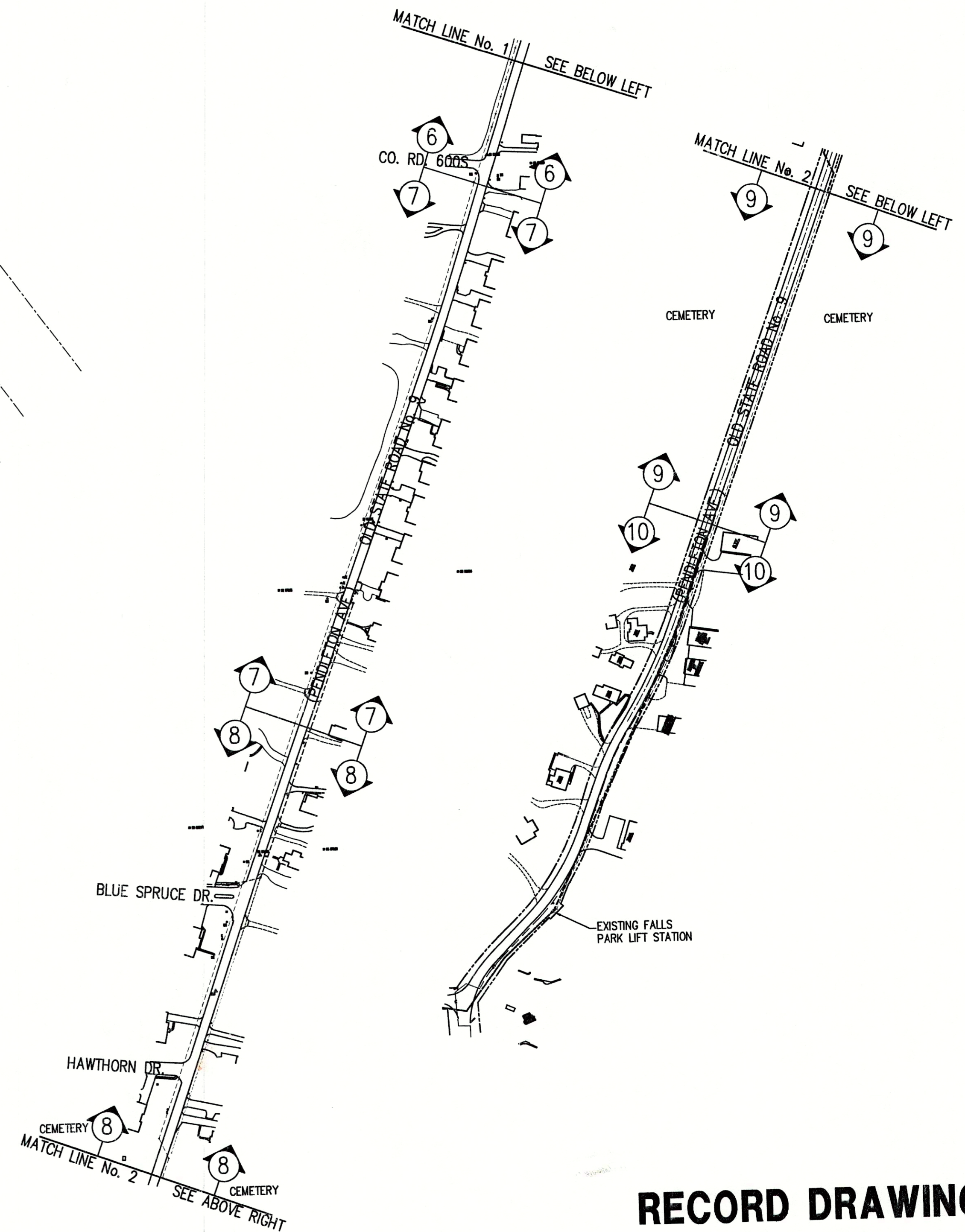
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AREA BASE MAP

NOT TO SCALE



RECORD DRAWING APRIL 2001

FREEDS VILLAGE SUBDIVISION
FALL CREEK REGIONAL WASTE DISTRICT

PROJECT BASE MAP

DRAWN BY:	DATE	PROJECT No.	SHEET No.
DAP	04/12/98	98008A	2
DESIGNED BY:	SCALE	CHECKED BY:	OF
D.A. Pauling	AS NOTED	James W. Frazell, P.E.	20

NO.	DATE	DESCRIPTION	BY

TRIAD ASSOCIATES INC.
INDIANAPOLIS, INDIANA

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

STRUCTURE No. FV-3
STANDARD MANHOLE
T.C. = 874.5±875.75
INV.(NE) = 862.08862.27
INV.(W) = 861.08861.68
INV.(E) = 861.08861.67

STRUCTURE No. FV-3a
STANDARD MANHOLE
T.C. = 873.0±873.64
INV.(SW) = 862.08861.93
INV.(SE) = 862.08861.89

FOR CONTINUATION
SEE SHEET No. 4

FOR CONTINUATION
SEE SHEET No. 4

FOR CONTINUATION
SEE SHEET No. 16

STRUCTURE No. FV-2
STANDARD MANHOLE
T.C. = 869.0±868.69
INV.(W) = 860.99860.75
INV.(E) = 860.97860.69

STRUCTURE No. FV-1
LIFT STATION WET WELL
T.C. = 865.2±867.10
INV.(W) = 855.22857.74
INV.(E) = 855.57857.02

STRUCTURE No. FV-1a
STANDARD MANHOLE
T.C. = 864.4±863.90
INV.(N) = 856.23858.04
INV.(W) = 856.27858.02

GENERAL NOTES:

1. ALL UTILITY LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL HAVE ALL UTILITIES FIELD VERIFIED AND MARKED PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL MAINTAIN A MINIMUM 10'-0" HORIZONTAL AND 18" VERTICAL SEPARATION BETWEEN SEWER AND WATER MAINS.
3. ALL PROPOSED TOP OF CASTING ELEVATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL ADJUST FINAL ELEVATIONS AS REQUIRED TO BE FLUSH WITH PAVEMENT.
4. ALL SEWER TRENCHES SHALL BE BACKFILLED WITH FULL DEPTH COMPACTED GRANULAR BACKFILL ("B" BORROW) UNDER OR WITHIN 5' OF EDGE OF PAVEMENT.
5. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID TO BECOME FAMILIAR WITH ALL SITE CONDITIONS.
6. THE CONTRACTOR SHALL PROVIDE THE REQUIRED MEANS FOR MAINTAINING SAFE TRAFFIC AT ALL TIMES.
7. CONTRACTOR SHALL RESTORE ALL DISTURBED LAWN, AS, STREETS, WALKS, DRIVES, ETC. AS SHOWN ON DRAWINGS, IN THE SPECIFICATIONS, OR TO AT LEAST PRE-EXISTING CONDITIONS.
8. 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
- 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



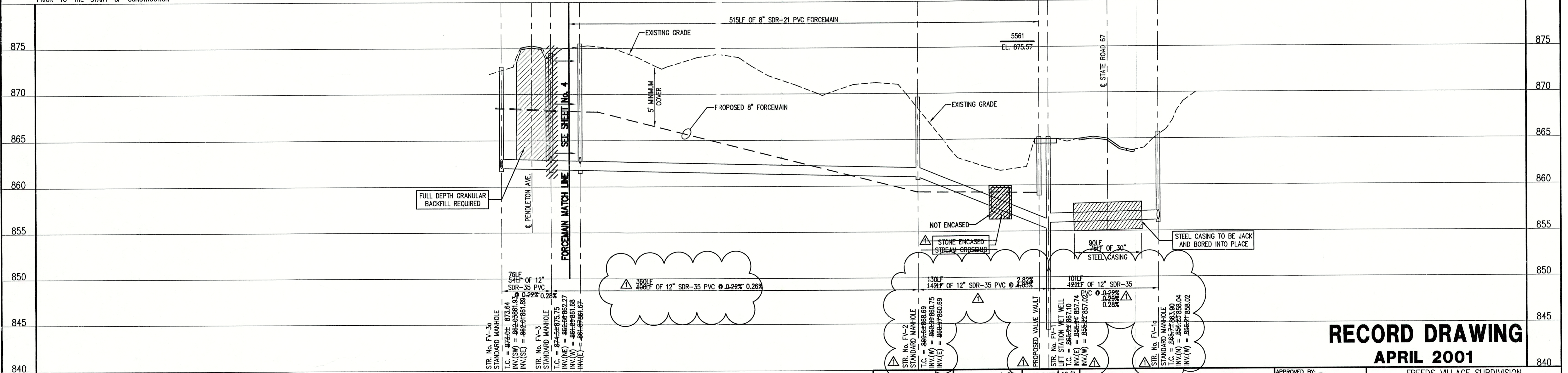
SCALE:
HORIZONTAL 1" = 50'
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NOTE:
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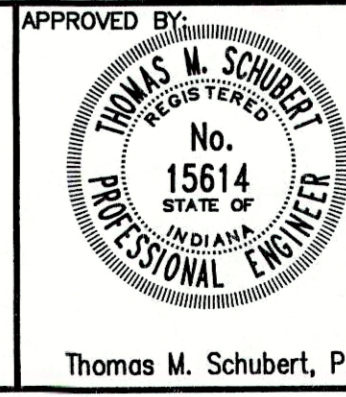


NOTE:

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ALL WATER SERVICE RECONNECTIONS, STORM SEWER RECONNECTION,
WATER MAIN RELOCATIONS, CONCRETE RECONSTRUCTION, AND
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AS SHOWN ON THE DRAWINGS.

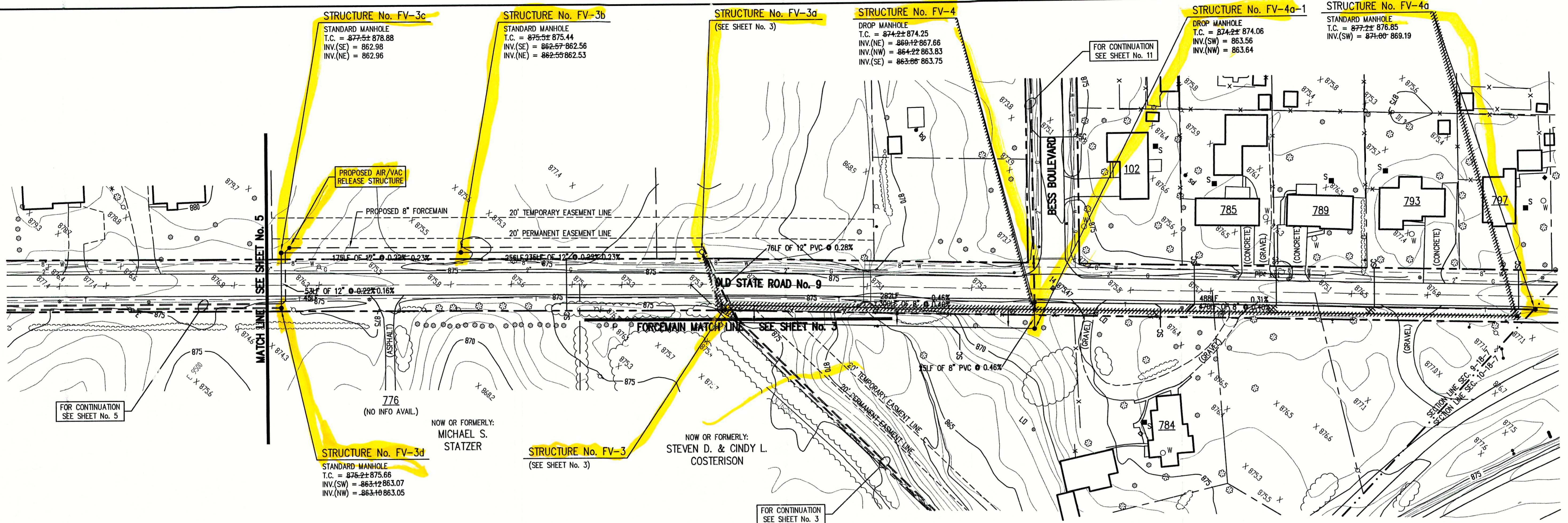
FILE NAME	DATE	DESCRIPTION	BY
05/24/99	12/7	LIFT STATION LOCATION REVISION	D.A.P.

TRIAD ASSOCIATES INC.
INDIANAPOLIS, INDIANA



RECORD DRAWING
APRIL 2001

FREEDS VILLAGE SUBDIVISION
FALL CREEK REGIONAL WASTE DISTRICT
PLAN AND PROFILE
DRAWN BY: DAP
DESIGNED BY: D.A. Pauling
CHECKED BY: James W. Frazell, P.E.
SHEET No. 3 OF 20



NOTE:
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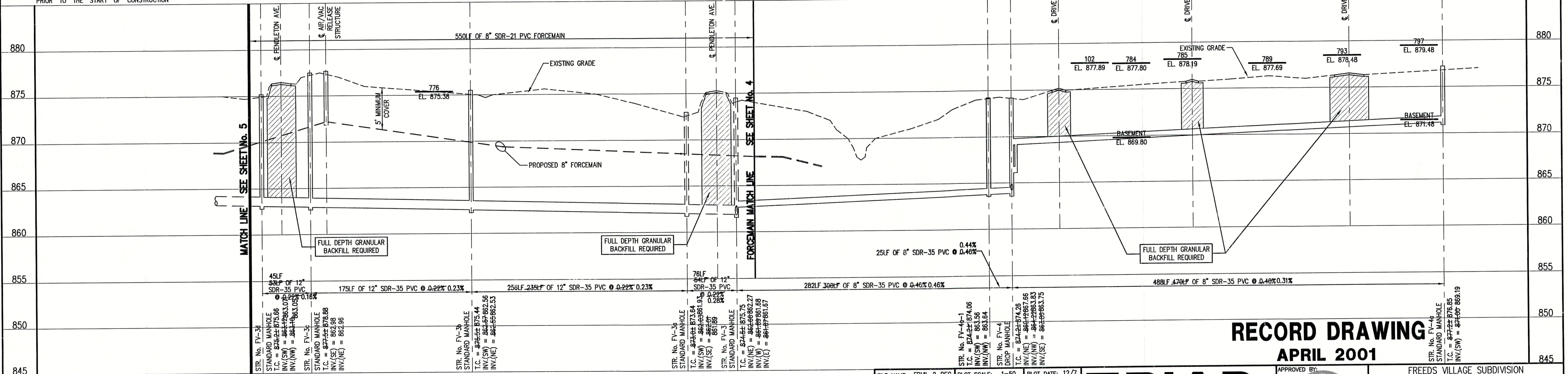
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- LEGEND:**
- TREE
 - POWER POLE
 - GUY WIRE
 - FIRE HYDRANT
 - MAILBOX
 - FLAGPOLE
 - SPOT SHOT
 - CONTOUR
 - FENCE
 - EXIST. SANITARY SEWER w/ MANHOLE
 - NEW SANITARY SEWER w/ MANHOLE
 - NEW SANITARY SERVICE CONNECTION
 - WATER LINE
 - GAS LINE
 - UNDERGROUND ELECTRIC LINE
 - UNDERGROUND TELEPHONE LINE
 - APPROX. RIGHT-OF-WAY
 - APPROX. CORPORATE LIMITS
 - APPROX. PROPERTY LINE
 - EXISTING WATER WELL
 - EXISTING SEPTIC TANK



SCALE:
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VERTICAL 1" = 5'



RECORD DRAWING
APRIL 2001

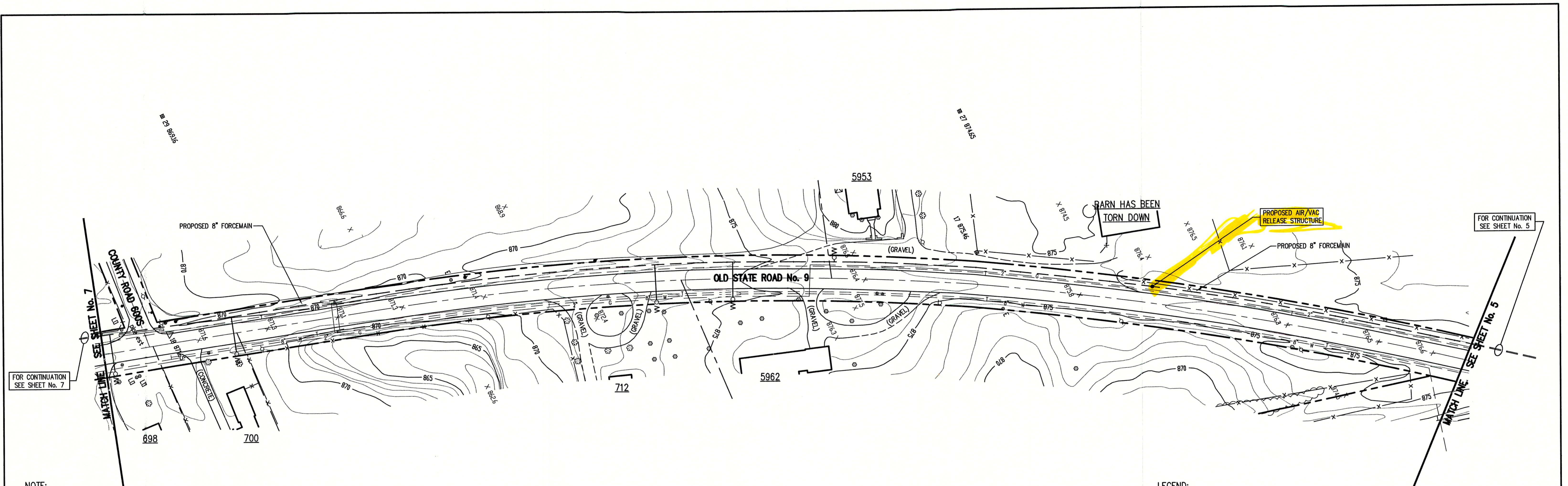
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NO.	DATE	DESCRIPTION	BY

TRIAD ASSOCIATES INC.
INDIANAPOLIS, INDIANA

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

FREEDS VILLAGE SUBDIVISION FALL CREEK REGIONAL WASTE DISTRICT			
PLAN AND PROFILE			
DRAWN BY: DAP	DATE 04/12/98	PROJECT No. 98008A	SHEET No. 4
DESIGNED BY: D.A. Pauling	CHECKED BY: James W. Frazell, P.E.	OF 20	



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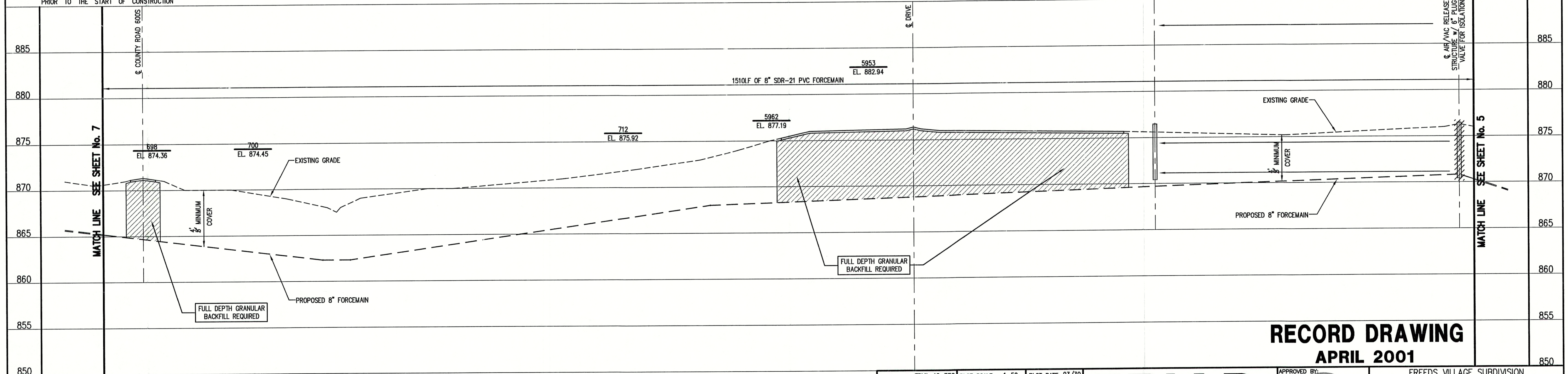
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LEGEND:	
•	TREE
○	POWER POLE
—	GUY WIRE
⋈	FIRE HYDRANT
○ ^{MB}	MAILBOX
FP	FLAGPOLE
X 1085.2	SPOT SHOT
— 1085 —	CONTOUR
— X — X —	FENCE
— W —	EXIST. SANITARY SEWER w/ MANHOLE
—	NEW SANITARY SEWER w/ MANHOLE
— SC —	NEW SANITARY SERVICE CONNECTION
— 4" — W —	WATER LINE
— 2" — G —	GAS LINE
— E —	UNDERGROUND ELECTRIC LINE
— T —	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

NOTE:

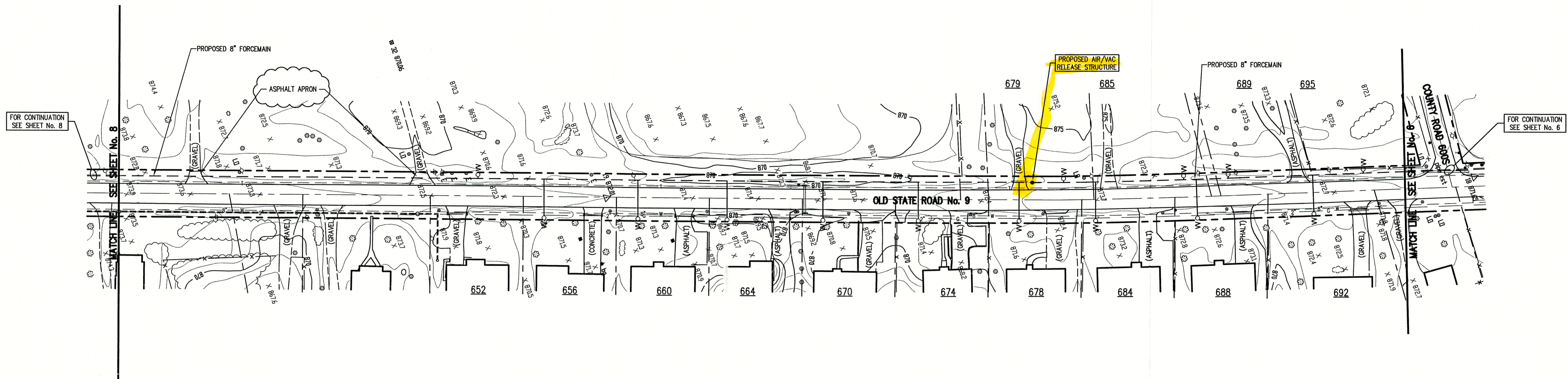
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FILE NAME: FRVL12-REC		PLOT SCALE: 1=50	PLOT DATE: 03/30
NO.	DATE	DESCRIPTION	BY

TRIAD ASSOCIATES INC.
INDIANAPOLIS, INDIANA

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

FREEDS VILLAGE SUBDIVISION FALL CREEK REGIONAL WASTE DISTRICT			
PLAN AND PROFILE			
DRAWN BY: DAP	DATE: 04/12/98	PROJECT No. 98008A	SHEET No. 6
DESIGNED BY: D.A. Pauling	SCALE: AS NOTED	CHECKED BY: James W. Frazell, P.E.	OF 20



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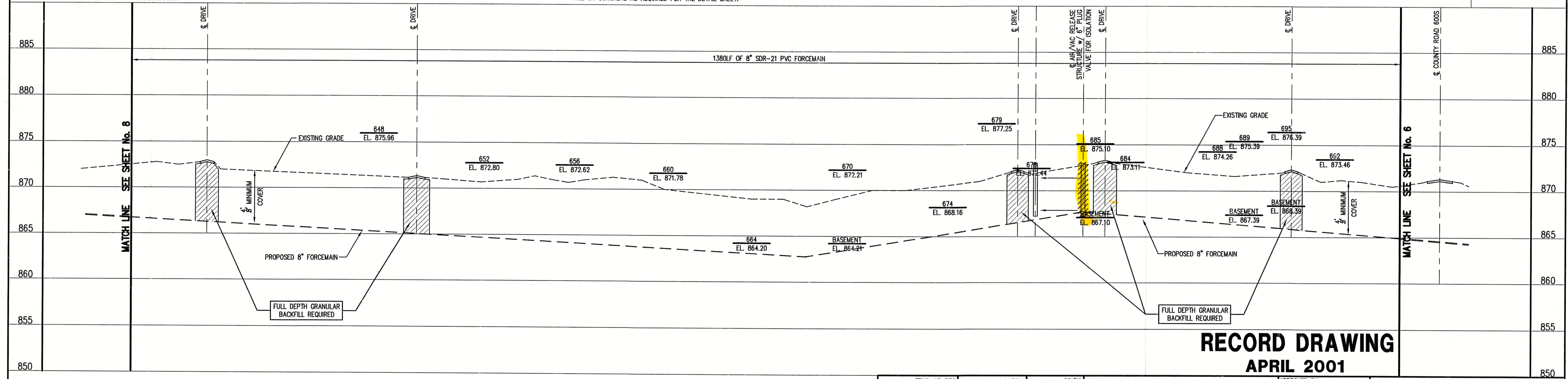
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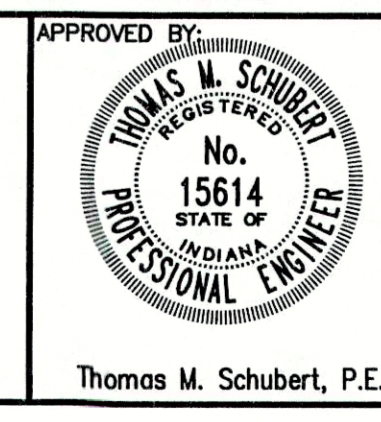


RECORD DRAWING
APRIL 2001

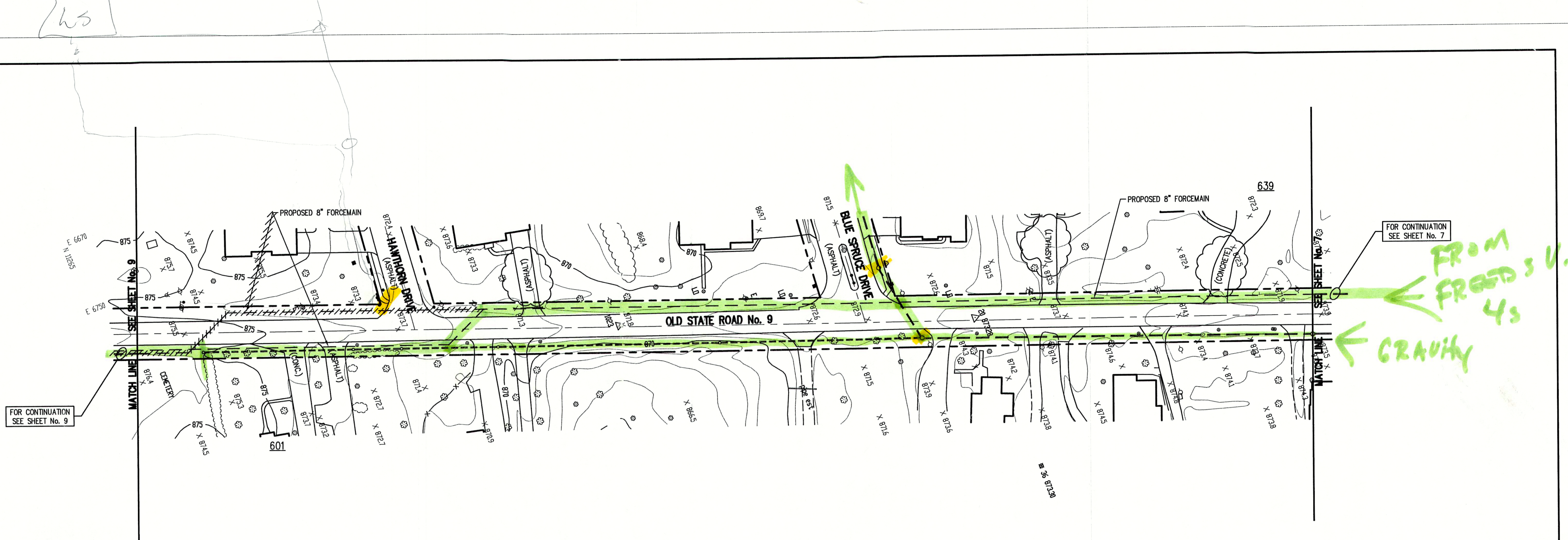
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FILE NAME: FRVL_13-REC		PLOT SCALE: 1=50	PLOT DATE: 03/30
NO.	DATE	DESCRIPTION	BY

TRIAD ASSOCIATES INC.
INDIANAPOLIS, INDIANA



FREEDS VILLAGE SUBDIVISION 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	20	
CHECKED BY: James W. Frazell, P.E.	of		



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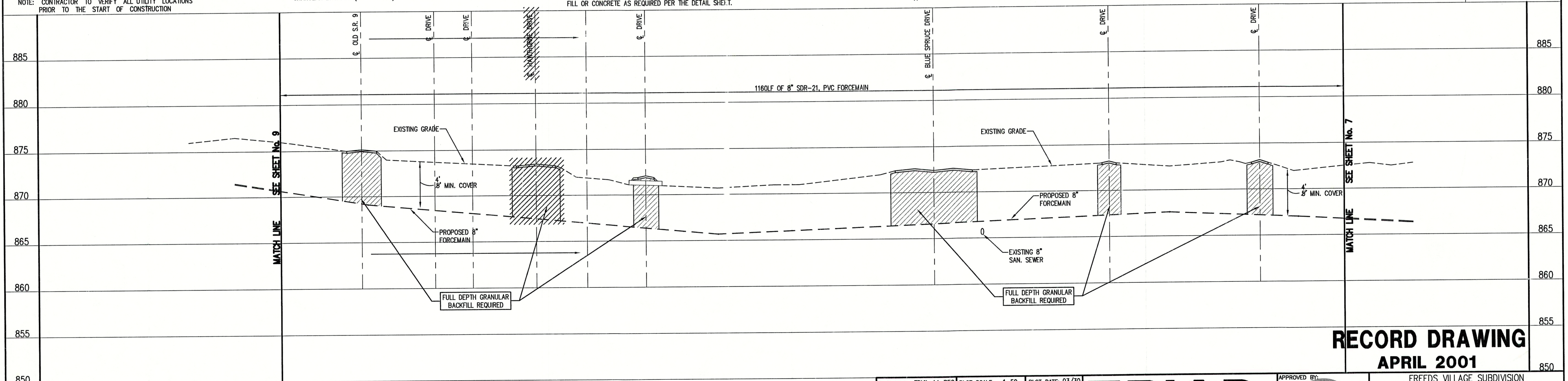
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LEGEND:

•	TREE	1085	CONTOUR
○	POWER POLE	X—X	FENCE
•	GUY WIRE	—MI—	EXIST. SANITARY SEWER w/ MANHOLE
•	FIRE HYDRANT	—SC—	NEW SANITARY SEWER w/ MANHOLE
○	MAILBOX	—W—	NEW SANITARY SERVICE CONNECTION
FP	FLAGPOLE	—4"—W—	WATER LINE
X 1085.2	SPOT SHOT	—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



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



RECORD DRAWING
APRIL 2001

NOTE:

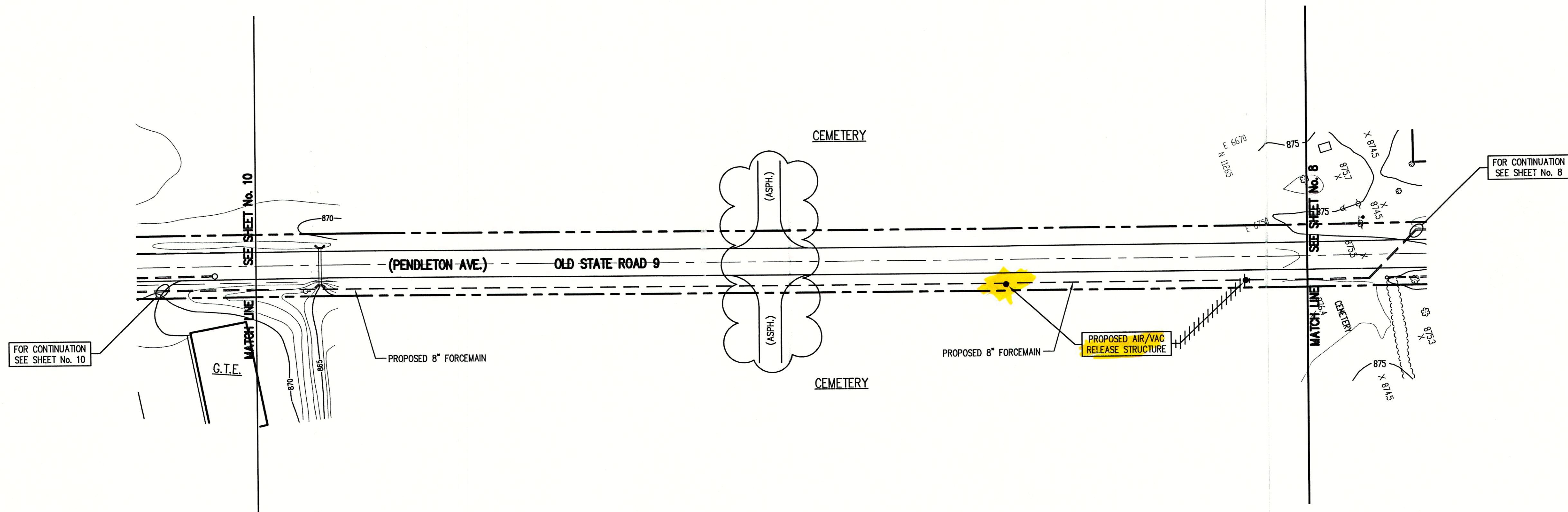
THE CONTRACTOR SHALL INCLUDE IN THE COSTS FOR SANITARY PIPE, ALL WATER SERVICE RECONNECTIONS, STORM SEWER RECONNECTION, WATER MAIN RELOCATIONS, CONCRETE RECONSTRUCTION, AND SIDEWALK RECONSTRUCTION AS REQUIRED TO INSTALL NEW WORK AS SHOWN ON THE DRAWINGS.

FILE NAME: FRVL_14-REC		PLOT SCALE: 1=50	PLOT DATE: 03/30
NO.	DATE	DESCRIPTION	BY

TRIAD ASSOCIATES INC.
INDIANAPOLIS, INDIANA

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

FREEDS VILLAGE SUBDIVISION
FALL CREEK REGIONAL WASTE DISTRICT
PLAN AND PROFILE
DRAWN BY: DAP
DATE: 04/12/98
SCALE: AS NOTED
PROJECT No. 98008A
SHEET No. 8
DESIGNED BY: D.A. Pauling
CHECKED BY: James W. Frazell, P.E.
OF 20



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

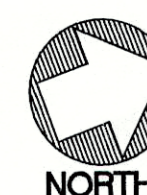
PER INDIANA STATE LAW IS-69-1991, IT IS
AGAINST THE LAW TO EXCAVATE WITHOUT
NOTIFYING THE UNDERGROUND LOCATION SERVICE
TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

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

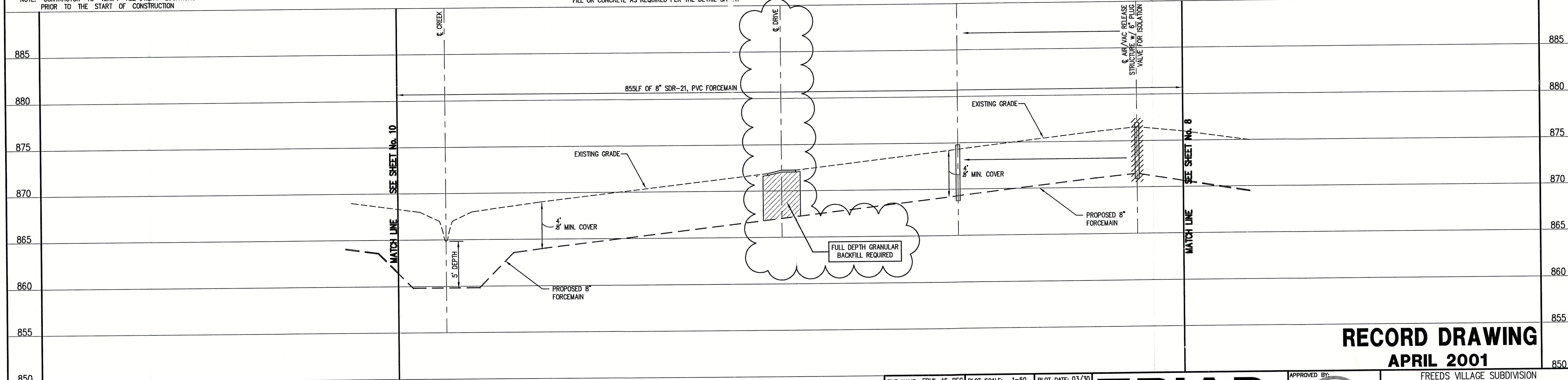
GENERAL NOTES:

- 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 MEASURES 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.

LEGEND:			
•	TREE	1085	CONTOUR
○	POWER POLE	—X—X—	FENCE
+	GUY WIRE	—MH—	EXIST. SANITARY SEWER w/ MANHOLE
⋈	FIRE HYDRANT	—●—	NEW SANITARY SEWER w/ MANHOLE
○ MB	MAILBOX	—SC—	NEW SANITARY SERVICE CONNECTION
FP	FLAGPOLE	—4"—W—	WATER LINE
X 1085.2	SPOT SHOT	—2"—G—	GAS LINE
—E—	UNDERGROUND ELECTRIC LINE	—T—	UNDERGROUND TELEPHONE LINE
—	APPROX. RIGHT-OF-WAY	—	APPROX. CORPORATE LIMITS
---	APPROX. PROPERTY LINE	○ W	EXISTING WATER WELL
■ S	EXISTING SEPTIC TANK		



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: FRVL15-REC		PLOT SCALE: 1=50	PLOT DATE: 03/30
NO.	DATE	DESCRIPTION	BY

TRIAD ASSOCIATES INC.
INDIANAPOLIS, INDIANA

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

FREEDS VILLAGE SUBDIVISION
FALL CREEK REGIONAL WASTE DISTRICT
PLAN AND PROFILE
DRAWN BY: DAP
DATE: 04/12/98
SCALE: AS NOTED
PROJECT No.: 98008A
DESIGNED BY: D.A. Pauling
CHECKED BY: James W. Frazell, P.E.
SHEET No.: 9
OF 20



STRUCTURE No. FV-10
STANDARD MANHOLE
T.C. = 876.2± 876.87
INV.(S) = 876.28 870.29

STRUCTURE No. FV-9
STANDARD MANHOLE
T.C. = 877.2± 877.15
INV.(N) = 869.08
INV.(S) = 869.06 869.07

STRUCTURE No. FV-8
(SEE SHEET No. 11)

FOR CONTINUATION
SEE SHEET No. 11

FOR CONTINUATION
SEE SHEET No. 11

STRUCTURE No. FV-8a
(SEE SHEET No. 11)



NOTE:
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DON'T DIG BLIND
CALL BEFORE YOU DIG
TOLL FREE
1-800-382-5544
OFFICE HOURS
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

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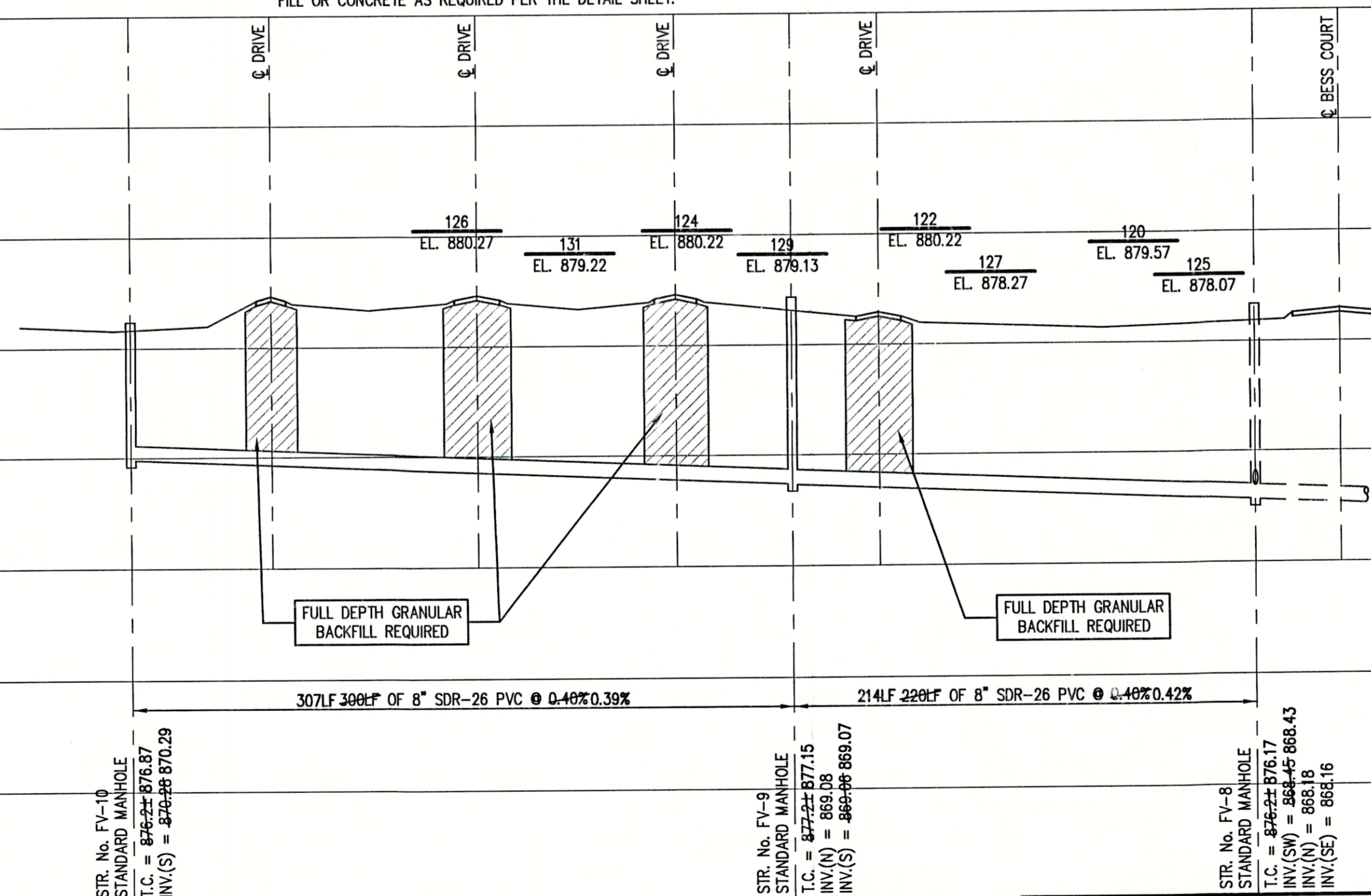
•	TREE	1085	CONTOUR
○	POWER POLE	— X — X —	FENCE
—	GUY WIRE	— — — — —	EXIST. SANITARY SEWER w/ MANHOLE
•	FIRE HYDRANT	— • —	NEW SANITARY SEWER w/ MANHOLE
○	MAILBOX	— SC —	NEW SANITARY SERVICE CONNECTION
FP	FLAGPOLE	— 4" — W —	WATER LINE
X 1085.2	SPOT SHOT	— 2" — G —	GAS LINE

LEGEND:

— — — — —	UNDERGROUND ELECTRIC LINE
— — — — —	UNDERGROUND TELEPHONE LINE
— — — — —	APPROX. RIGHT-OF-WAY
— — — — —	APPROX. CORPORATE LIMITS
— — — — —	APPROX. PROPERTY LINE
○ W	EXISTING WATER WELL
■ S	EXISTING SEPTIC TANK



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



STR. No. FV-10
STANDARD MANHOLE
T.C. = 876.2± 876.87
INV.(S) = 876.28 870.29

STR. No. FV-9
STANDARD MANHOLE
T.C. = 877.2± 877.15
INV.(N) = 869.08
INV.(S) = 869.06 869.07

STR. No. FV-8
STANDARD MANHOLE
T.C. = 877.2± 877.15
INV.(N) = 869.08
INV.(S) = 869.06 869.07

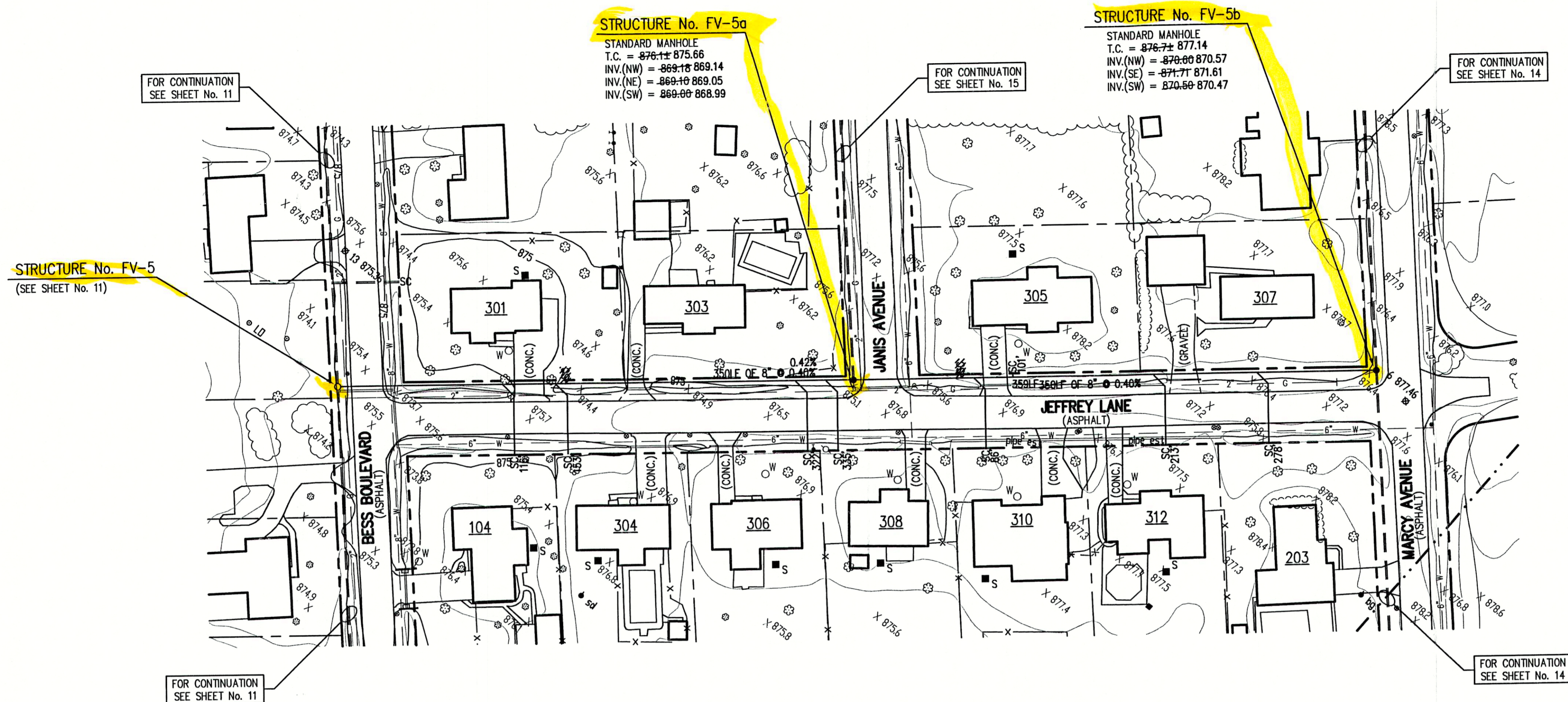
RECORD DRAWING
APRIL 2001

FILE NAME: FRVIL_4-REC		PLOT SCALE: 1"=50'		PLOT DATE: 12/7/2000	
NO.	DATE	DESCRIPTION			BY

TRIAD ASSOCIATES INC.
INDIANAPOLIS, INDIANA

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

FREEDS VILLAGE SUBDIVISION
FALL CREEK REGIONAL WASTE DISTRICT
PLAN AND PROFILE
DRAWN BY: DAP
DATE: 04/12/98
SCALE: AS NOTED
PROJECT No.: 98008A
DESIGNED BY: D.A. Pauling
CHECKED BY: James W. Frazell, P.E.
SHEET No.: 12 OF 20



NOTE:
ADDITIONAL RIGHT-OF-WAY OR EASEMENTS MAY
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**DON'T DIG BLIND
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OR
1-800-428-5200

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TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

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

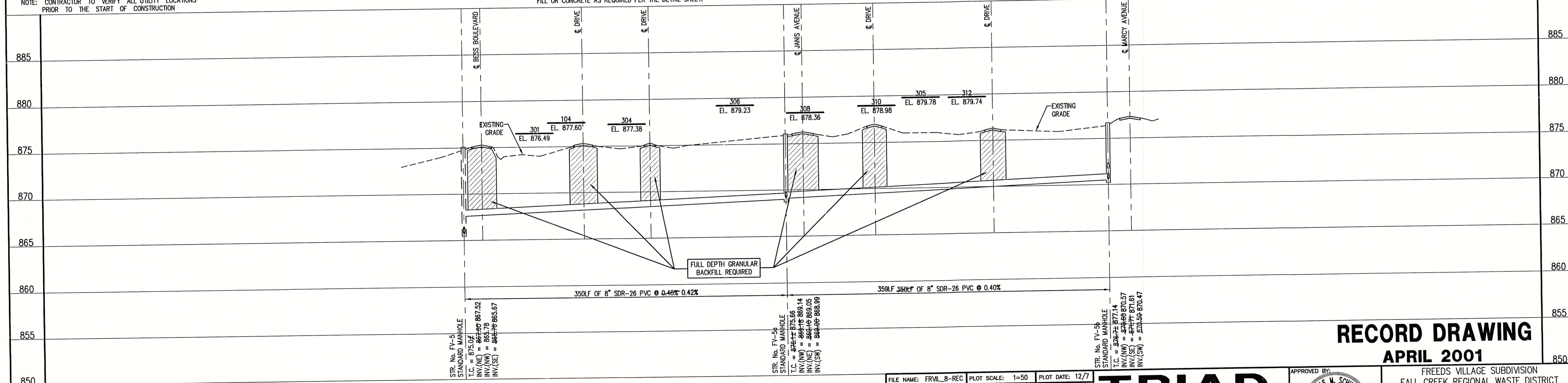
GENERAL NOTES:

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- LEGEND:**
- TREE
 - POWER POLE
 - GUY WIRE
 - FIRE HYDRANT
 - MAILBOX
 - FLAGPOLE
 - SPOT SHOT
 - 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



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



NOTE:

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FILE NAME:	FRVL_8-REC	PLOT SCALE:	1=50	PLOT DATE:	12/7
NO.	DATE	DESCRIPTION	BY		

TRIAD ASSOCIATES INC.
INDIANAPOLIS, INDIANA

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

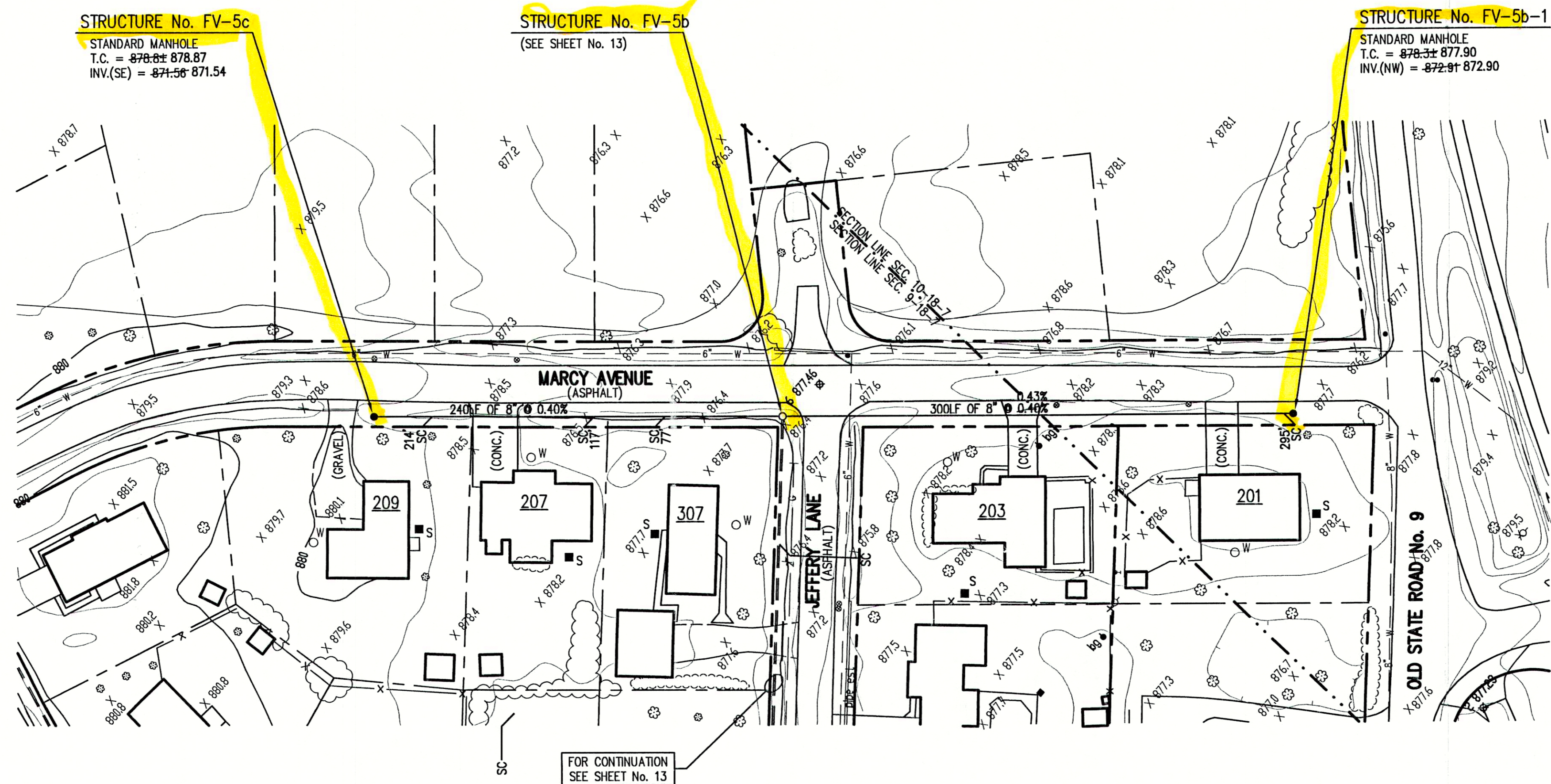
RECORD DRAWING
APRIL 2001

FREEDS VILLAGE SUBDIVISION
FALL CREEK REGIONAL WASTE DISTRICT

PLAN AND PROFILE

DRAWN BY: DAP
DATE: 04/12/98
SCALE: AS NOTED
PROJECT No.: 98008A
SHEET No.: 13 OF 20

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



NOTE:
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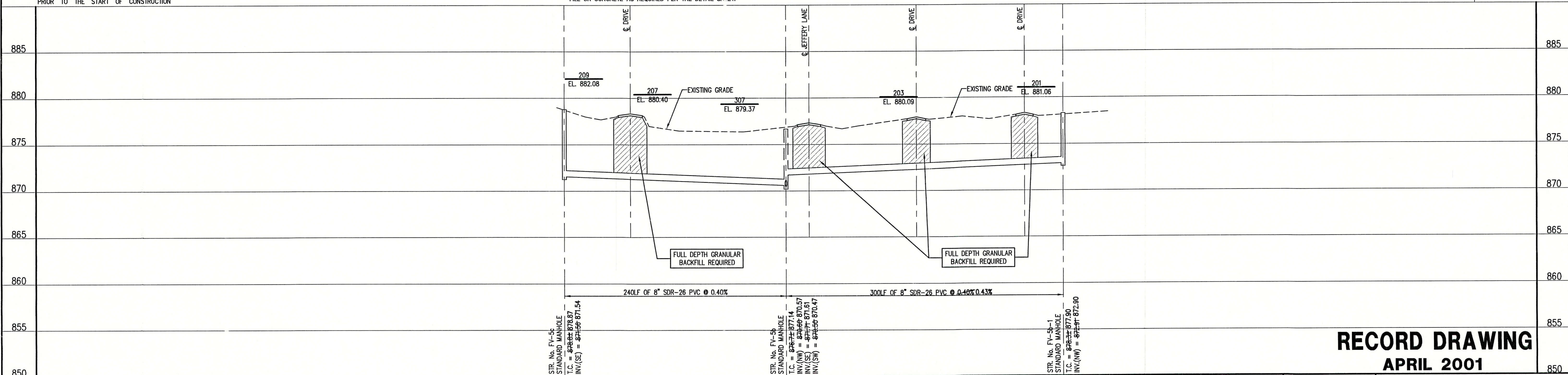
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LEGEND:

- TREE
- POWER POLE
- GUY WIRE
- FIRE HYDRANT
- MAILBOX
- FLAGPOLE
- SPOT SHOT
- CONTOUR
- FENCE
- EXIST. SANITARY SEWER w/ MANHOLE
- 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
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FILE NAME:	FRVL_7-REC	PLOT SCALE:	1=50	PLOT DATE:	12/7
NO.	DATE	DESCRIPTION	BY		

TRIAD ASSOCIATES INC.
INDIANAPOLIS, INDIANA

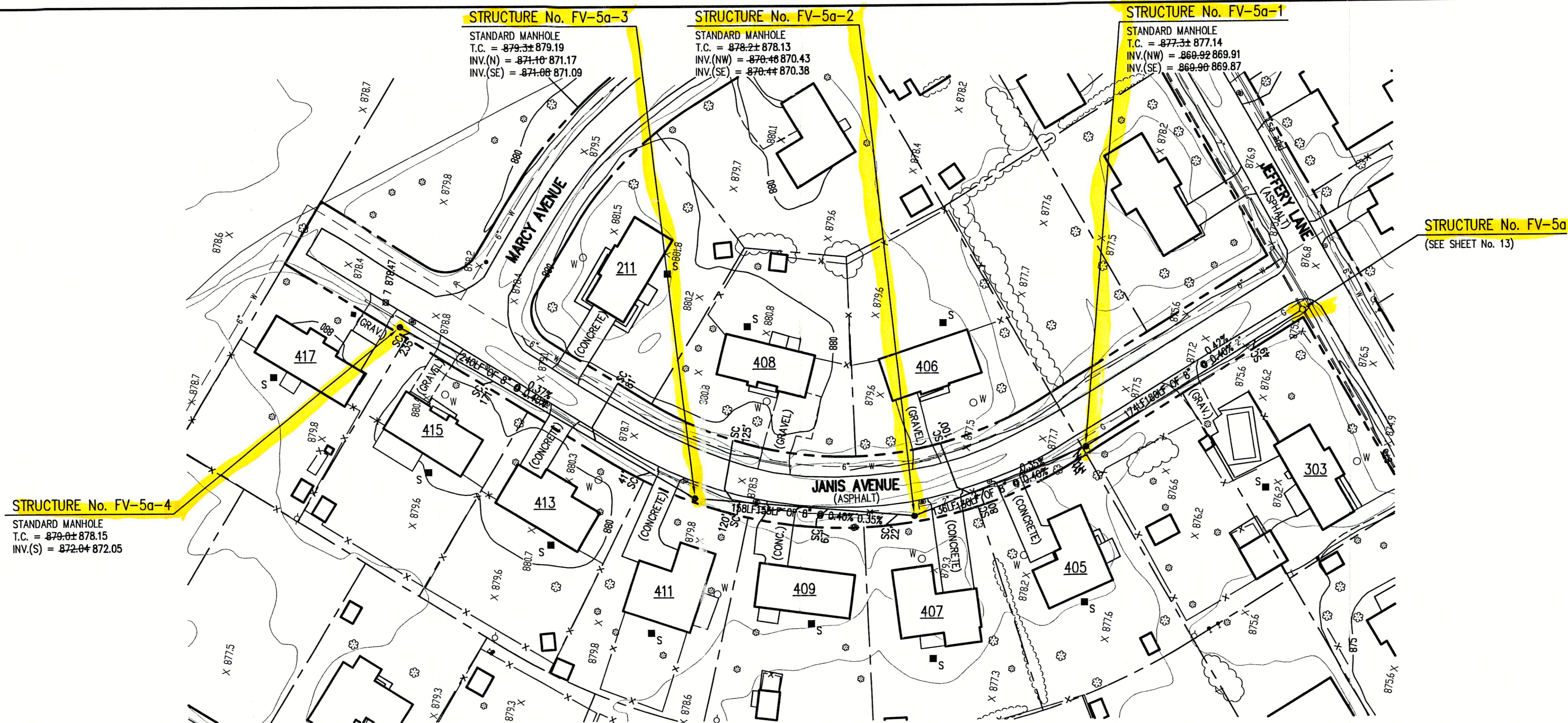
APPROVED BY:
THOMAS M. SCHUBERT
No. 15614
STATE OF INDIANA
PROFESSIONAL ENGINEER
Thomas M. Schubert, P.E.

RECORD DRAWING
APRIL 2001

FREEDS VILLAGE SUBDIVISION
FALL CREEK REGIONAL WASTE DISTRICT

PLAN AND PROFILE

DRAWN BY:	DATE	PROJECT No.	SHEET No.
DAP	04/12/98	98008A	14
DESIGNED BY:	SCALE		
D.A. Pauling	AS NOTED		20
CHECKED BY:			
James W. Frazell, P.E.			



NOTE:
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GENERAL NOTES:

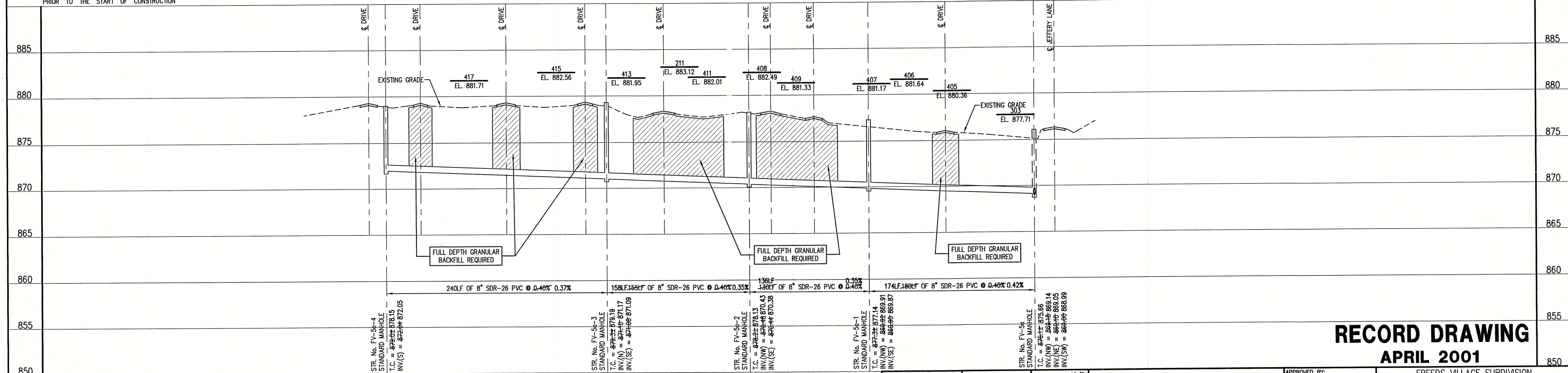
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LEGEND:

- TREE
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- EXIST. SANITARY SEWER w/ MANHOLE
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NO.	DATE	DESCRIPTION	BY

TRIAD ASSOCIATES INC.
INDIANAPOLIS, INDIANA

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

RECORD DRAWING
APRIL 2001

FREEDS VILLAGE SUBDIVISION
FALL CREEK REGIONAL WASTE DISTRICT
PLAN AND PROFILE
DRAWN BY: DAP
DATE: 04/12/98
SCALE: AS NOTED
PROJECT No.: 98008A
DESIGNED BY: D.A. Pauling
CHECKED BY: James W. Frazell, P.E.
SHEET No.: 15
OF 20

STRUCTURE No. FV-13
(SEE SHEET No. 16)

STRUCTURE No. FV-14
STANDARD MANHOLE
T.C. = 878.5± 877.64
INV.(NE) = 863.01
INV.(SW) = 862.99 862.98

STRUCTURE No. FV-15
STANDARD MANHOLE
T.C. = 875.0± 873.91
INV.(NE) = 864.02 864.05
INV.(SW) = 864.00 863.99

FOR CONTINUATION
SEE SHEET No. 16

OLD STATE ROAD No. 9

STATE ROAD No. 67

GENERAL NOTES:

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1-800-382-5544
LOCAL
1-800-428-5200

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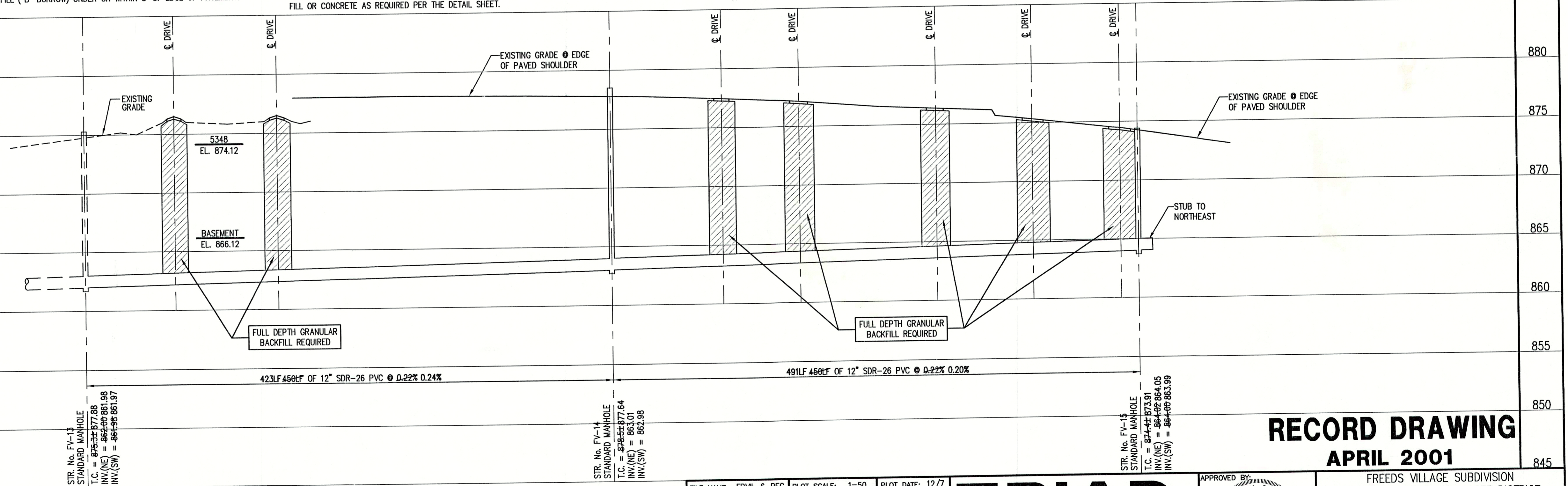
NOTE: CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO THE START OF CONSTRUCTION

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 |
| ○ | MAILBOX | --- | NEW SANITARY SERVICE CONNECTION | --- | APPROX. PROPERTY LINE |
| ○ | FLAGPOLE | --- | WATER LINE | --- | EXISTING WATER WELL |
| ○ | SPOT SHOT | --- | GAS LINE | --- | EXISTING SEPTIC TANK |



SCALE:
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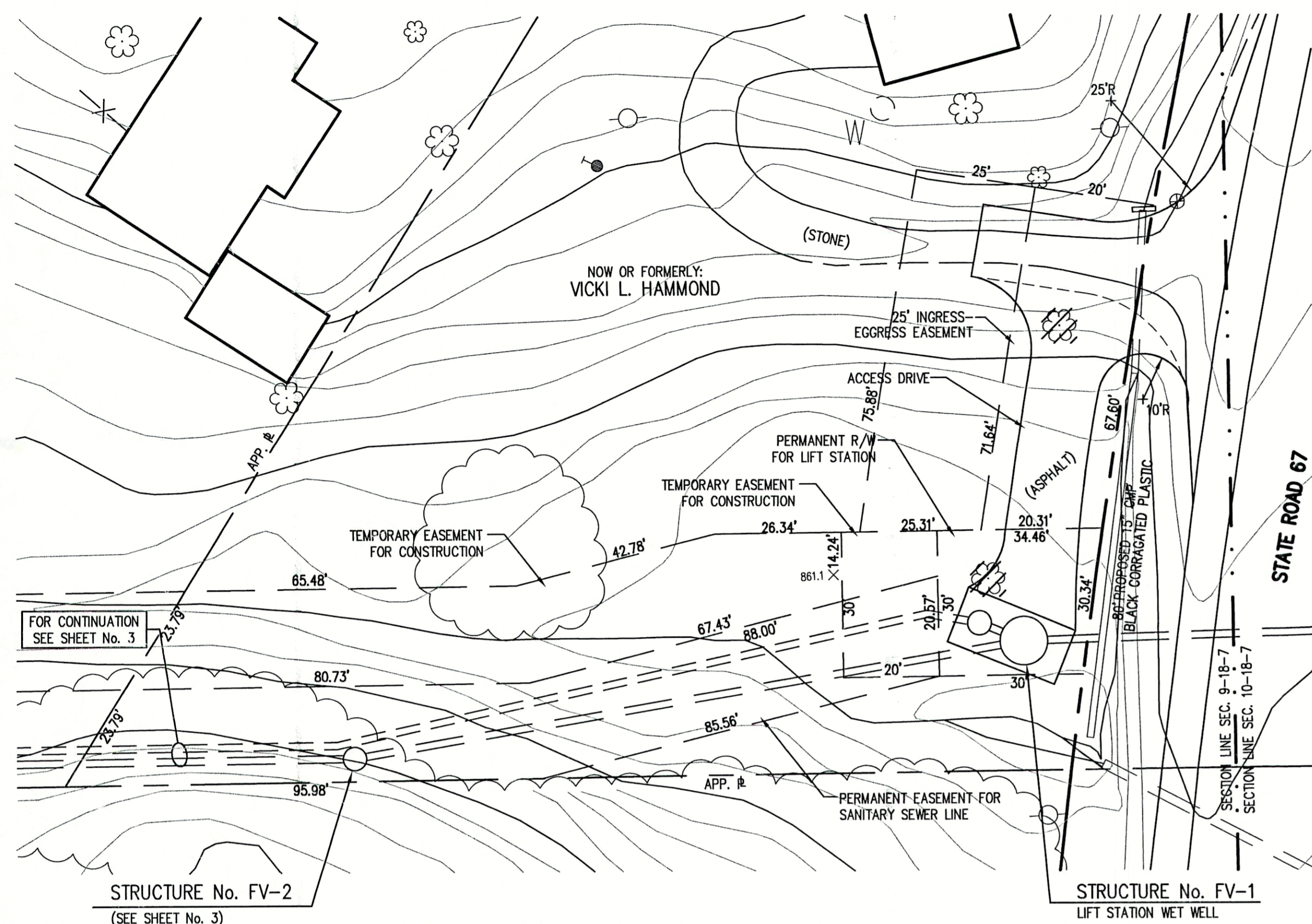
NO.	DATE	DESCRIPTION	BY

TRIAD ASSOCIATES INC.
INDIANAPOLIS, INDIANA

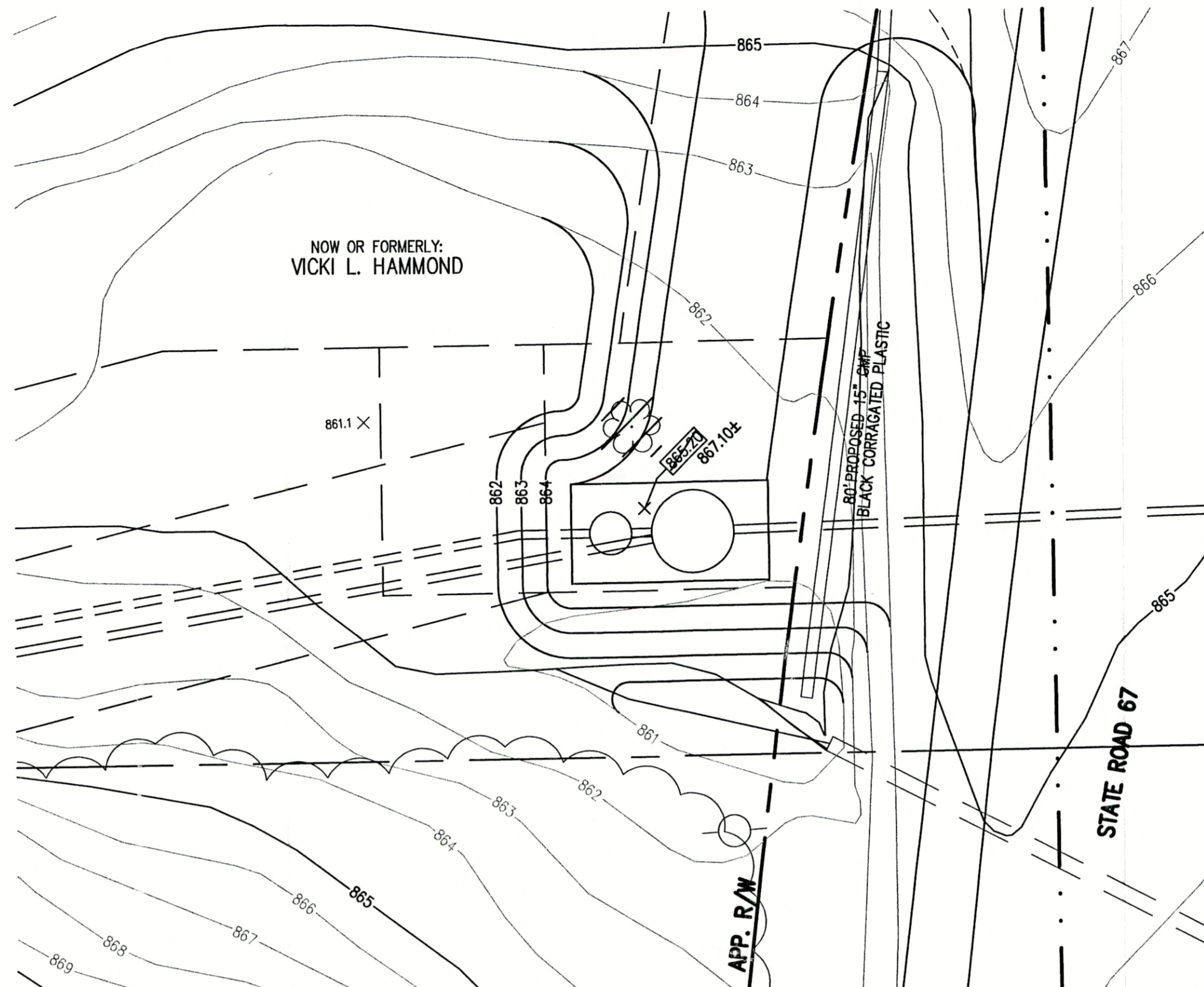
APPROVED BY:
THOMAS M. SCHUBERT
REGISTERED
No. 15614
STATE OF INDIANA
PROFESSIONAL ENGINEER
Thomas M. Schubert, P.E.

RECORD DRAWING
APRIL 2001

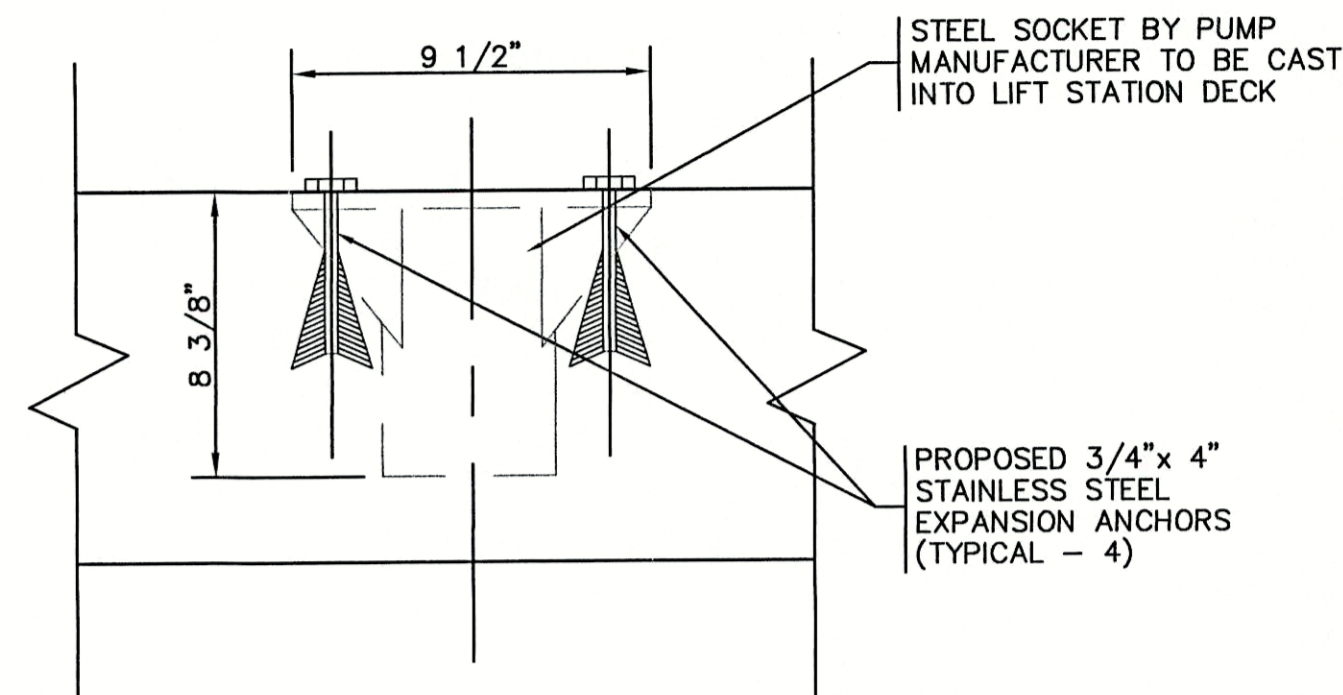
FREEDS VILLAGE SUBDIVISION
FALL CREEK REGIONAL WASTE DISTRICT
PLAN AND PROFILE
DRAWN BY: DAP DATE: 04/12/98 PROJECT No. 98008A SHEET No. 17
SCALE: AS NOTED
DESIGNED BY: D.A. Pauling
CHECKED BY: James W. Frazell, P.E.
OF 20



1 **LIFT STATION PLAN VIEW**
SCALE: N.T.S.



0 **LIFT STATION GRADING PLAN**
SCALE: N.T.S.

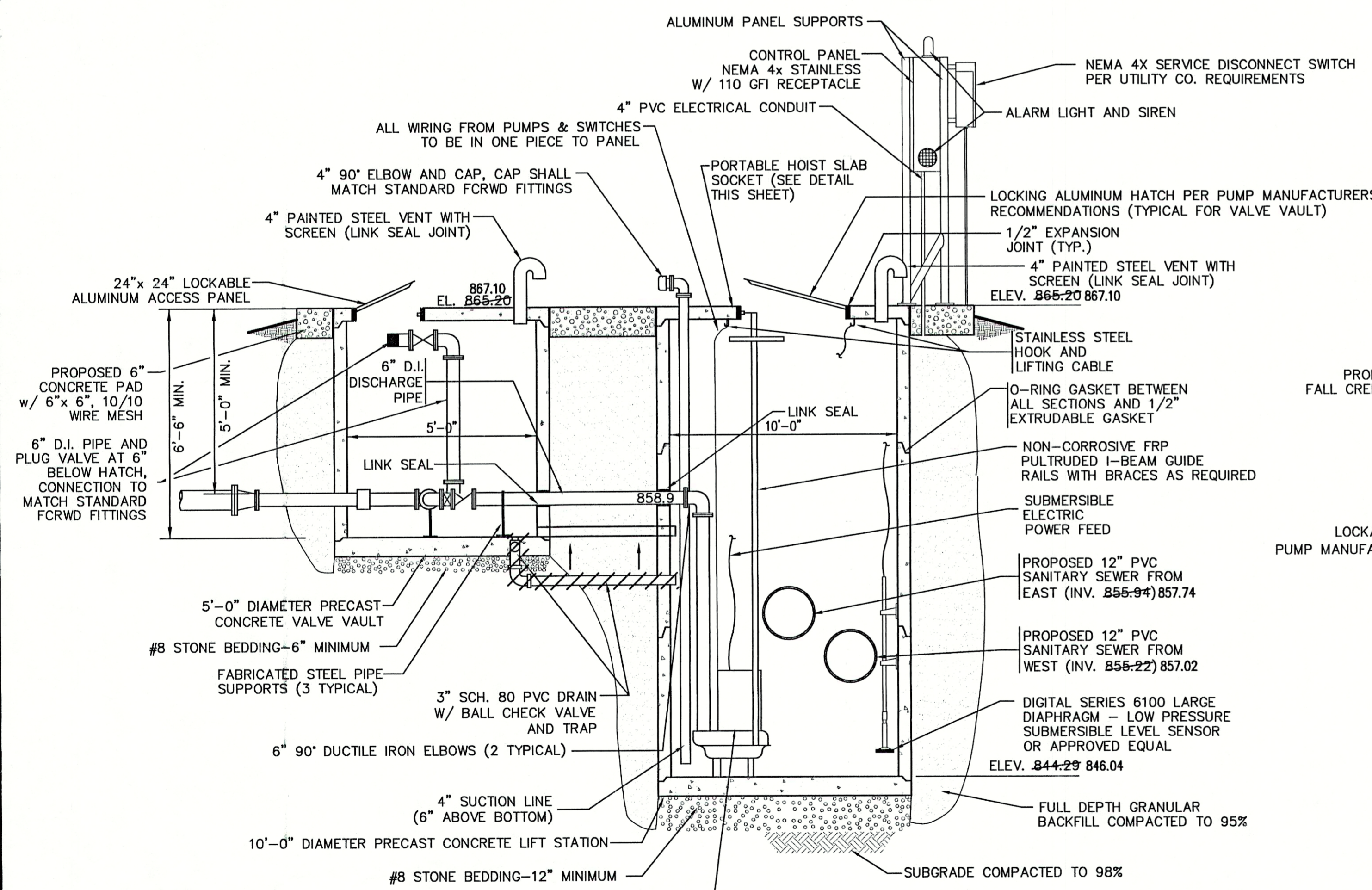


0 **PORTABLE HOIST SLAB SOCKET DETAIL**
SCALE: N.T.S.

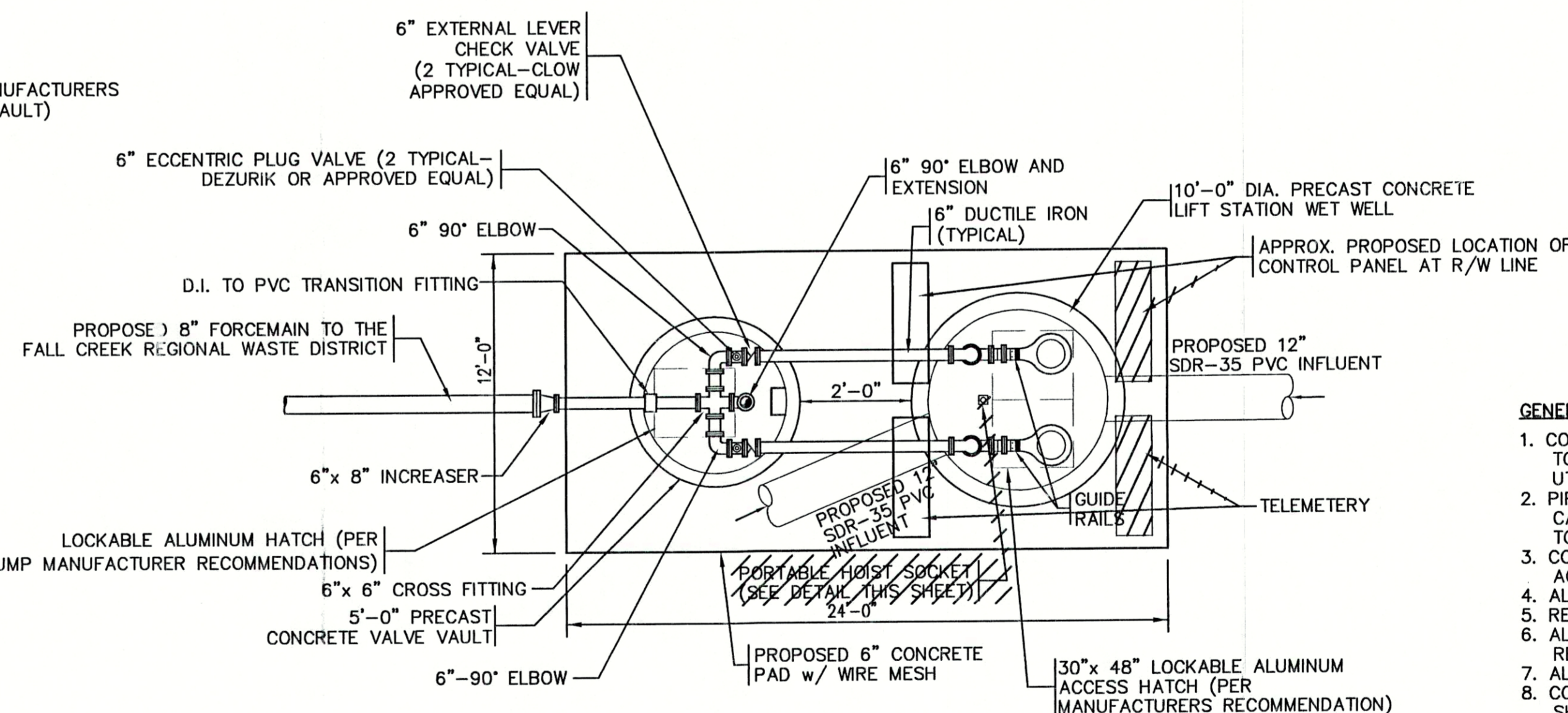
LIFT STATION PUMP TABLE

PUMP DATA TABLE	
CAPACITY	220 GPM
TDH	72.3 FEET
HP(min.)	20
RPM	1750
VOLTAGE	230/460
PHASE	3
TYPE	NON-CLOG
DISCHARGE	4"

TRANSDUCER SET POINTS	
SET POINTS	ELEVATION
PUMPS OFF	846.92-845.12"
LEAD PUMP ON	853.12-851.32"
ALARM	854.62-852.62"
LAG PUMP ON	854.12-852.32"




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



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

- GENERAL NOTES:**
1. CONTRACTOR TO VERIFY AVAILABLE POWER SOURCE PRIOR TO EQUIPMENT ORDER AND COORDINATE WORK WITH ELECTRIC UTILITY COMPANY.
 2. PIPE PENETRATIONS TO UTILIZE FLEXIBLE BOOTS, CONNECTORS, CAST IN PLACE GASKETS, ETC. APPROVED BY ENGINEER PRIOR TO CONSTRUCTION.
 3. CONTRACTOR TO INSTALL ALL EQUIPMENT IN COMPLETE ACCORDANCE WITH ALL MANUFACTURER'S RECOMMENDATIONS.
 4. ALL FASTENERS, SUPPORTS, ETC. TO BE STAINLESS STEEL.
 5. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.
 6. ALL CONCRETE TO BE MINIMUM F'c = 4000 PSI. ALL REINFORCING STEEL TO BE MINIMUM Fy = 60,000 PSI.
 7. ALL FERROUS METAL SURFACES TO BE PREPARED AND PAINTED.
 8. CONTRACTOR TO COORDINATE WITH ALL OTHER APPLICABLE PLAN SHEETS AND SPECIFICATIONS.
 9. 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 MANUFACTURERS REPRESENTATIVES.
 10. CONCRETE STRUCTURE BELOW GRADE SHALL BE COATED WITH A BITUMINOUS COATING PER SPECIFICATIONS.

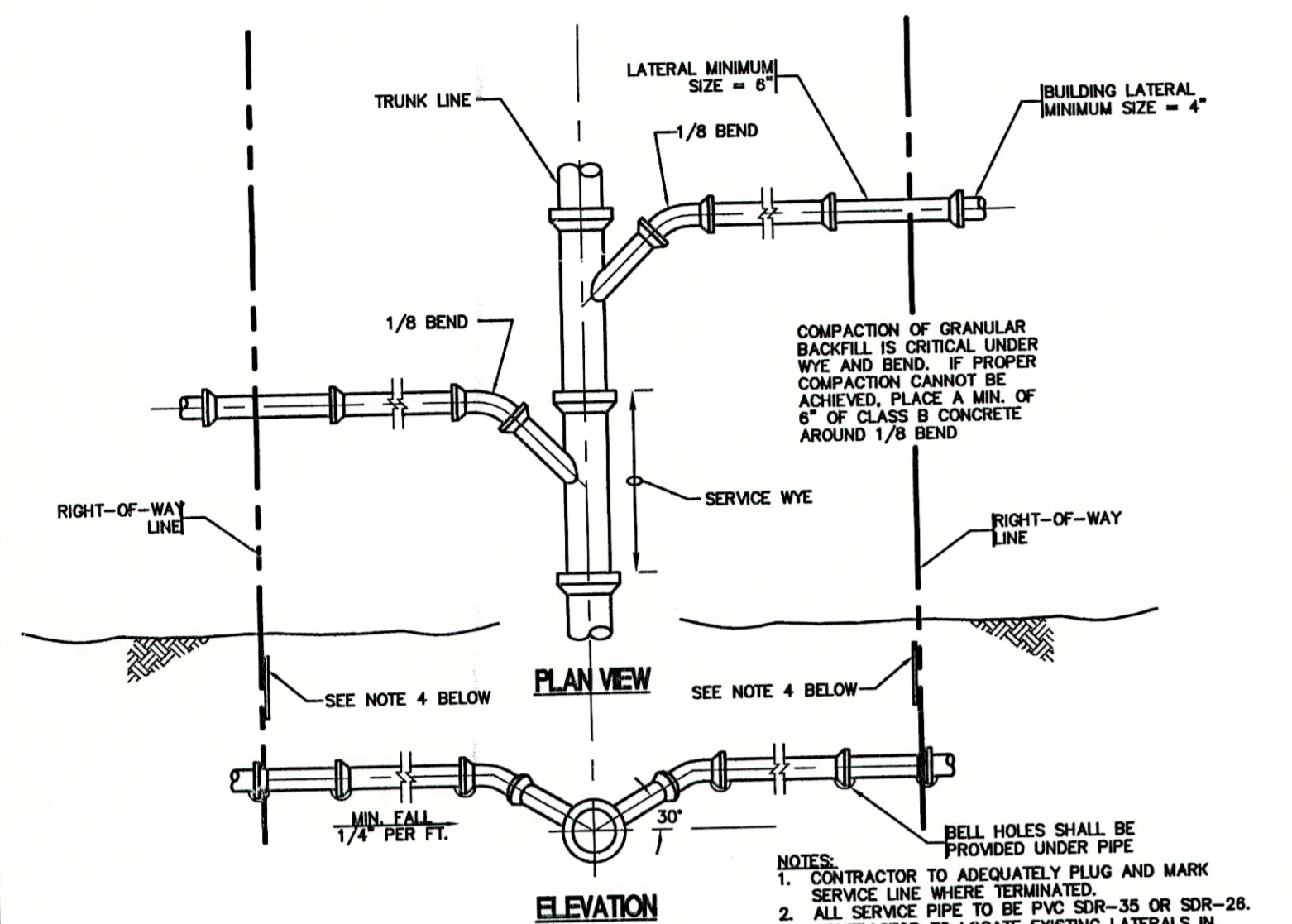
RECORD DRAWING
APRIL 2001

FILE NAME: FRVIL_LS2-REC		PLOT SCALE: 1=1	PLOT DATE: 12/
	05/24/99	LIFT STATION LOCATION REVISION	D.A.P.
NO.	DATE	DESCRIPTION	BY

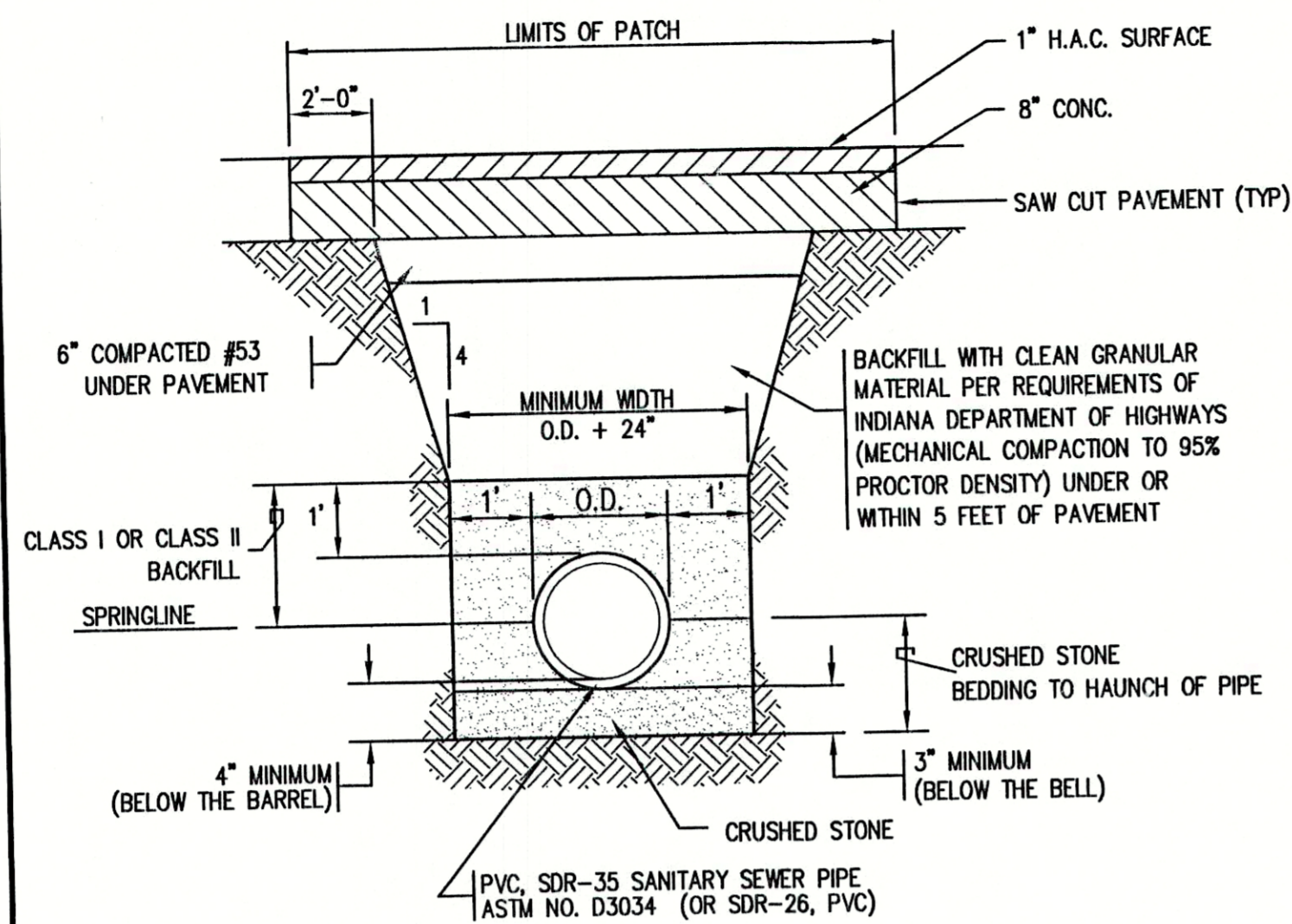
TRIAD ASSOCIATES INC.
INDIANAPOLIS, INDIANA

APPROVED:
Thomas M. Schubert, P.E.

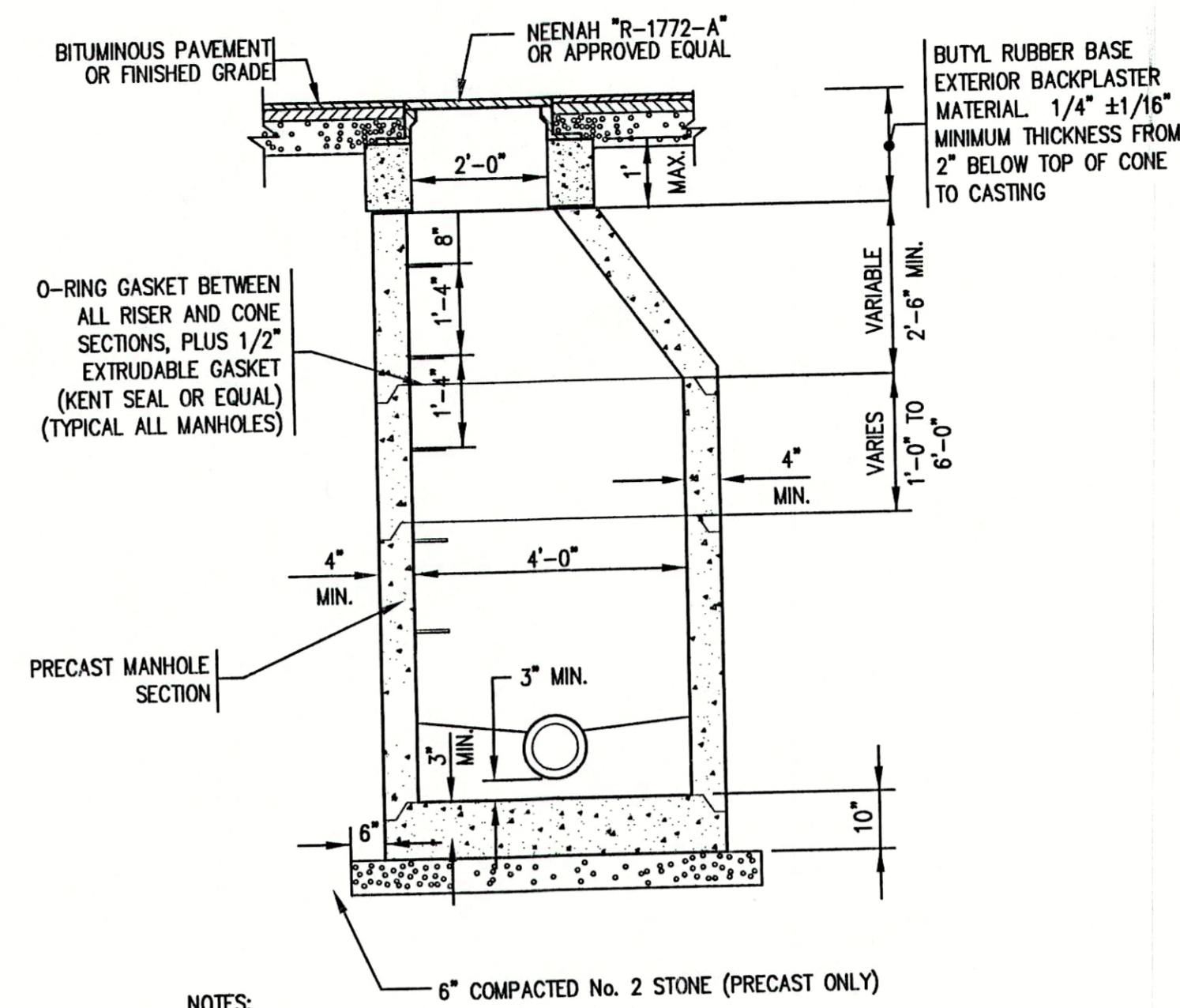
FREEDS VILLAGE SUBDIVISION FALL CREEK REGIONAL WASTE DISTRICT			
LIFT STATION DETAIL			
DRAWN BY: DAP	DATE: 4/12/98	PROJECT No. 98008A	SHEET No. 18
DESIGNED BY: D.A. Pauling	SCALE: AS NOTED	CHECKED BY: James W. Frazell, P.E.	20



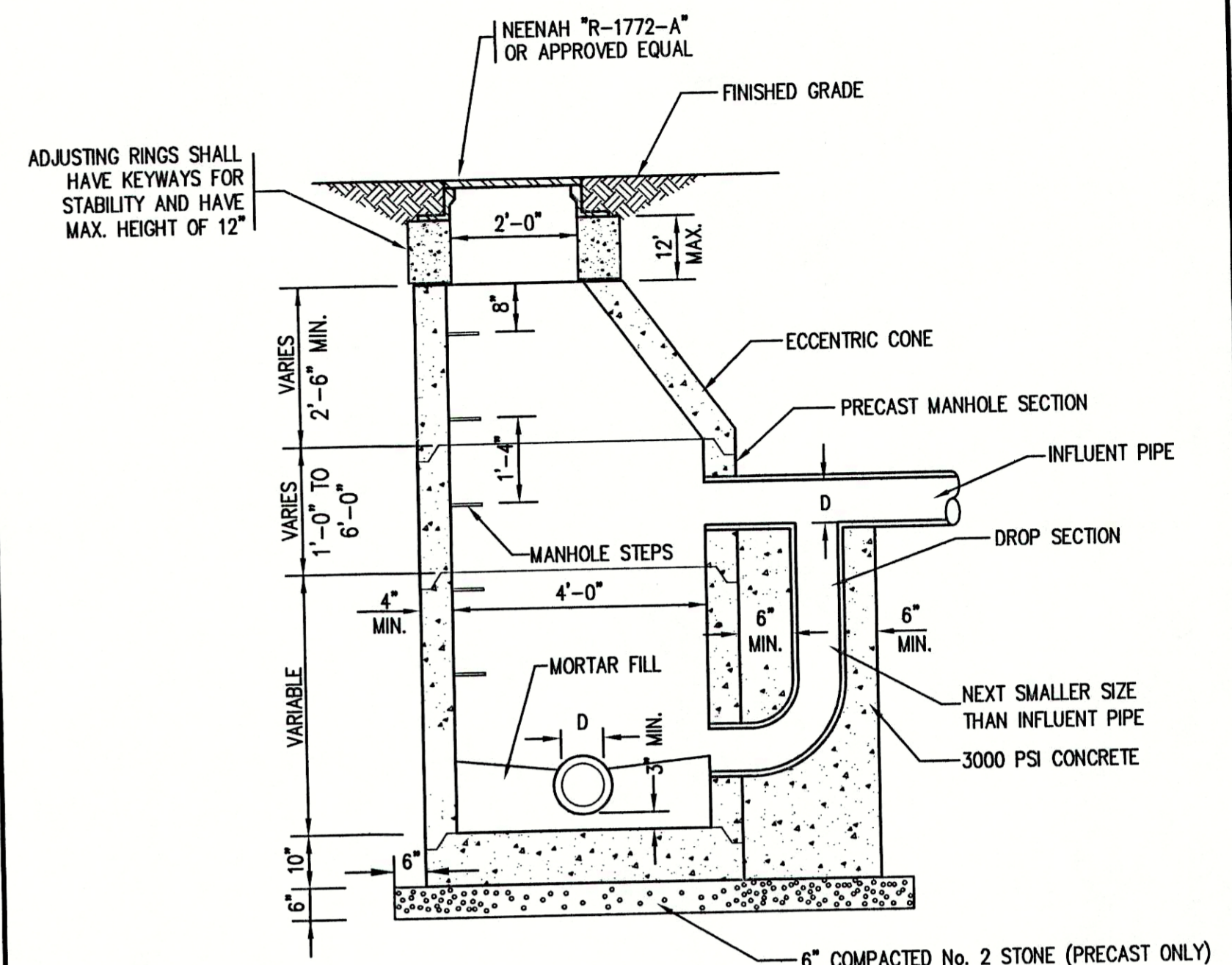
1 **SERVICE CONNECTION DETAIL**
SCALE: N.T.S.



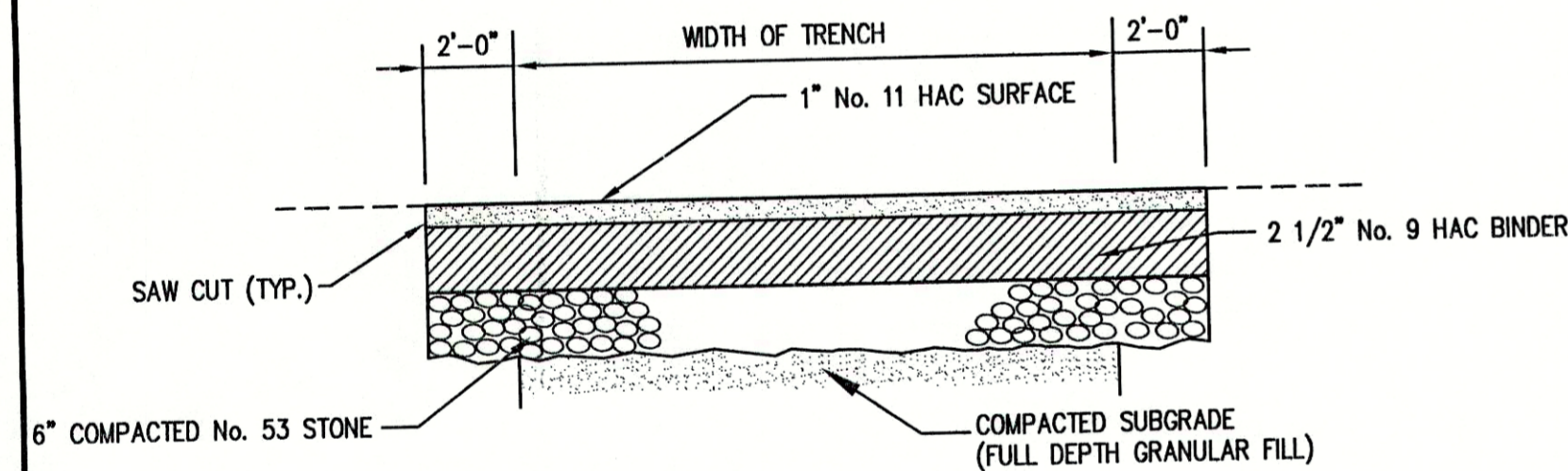
2 **TYPICAL TRENCH AND PAVEMENT PATCH DETAIL**
SCALE: N.T.S.



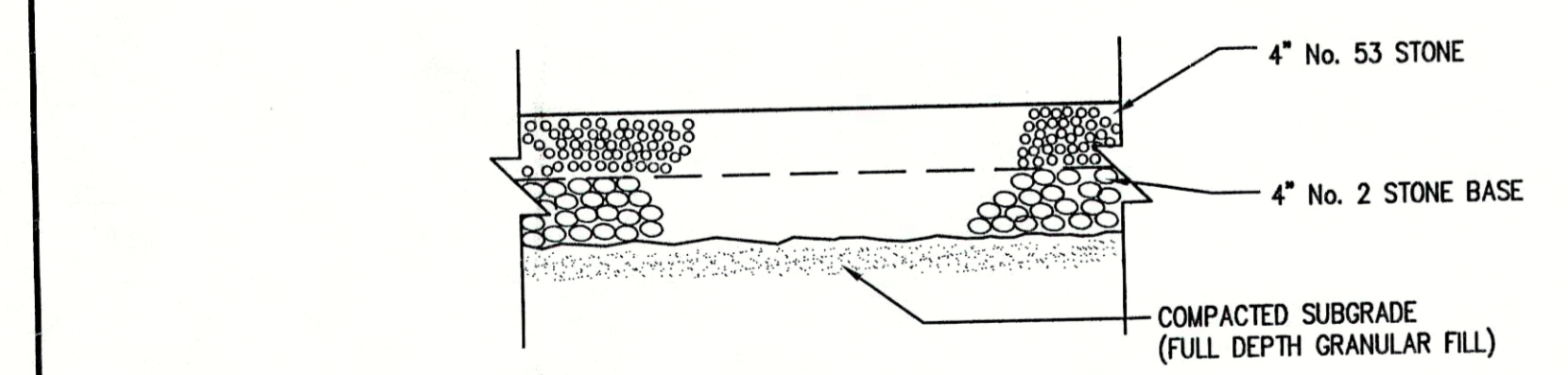
3 **SANITARY MANHOLE**
SCALE: N.T.S.



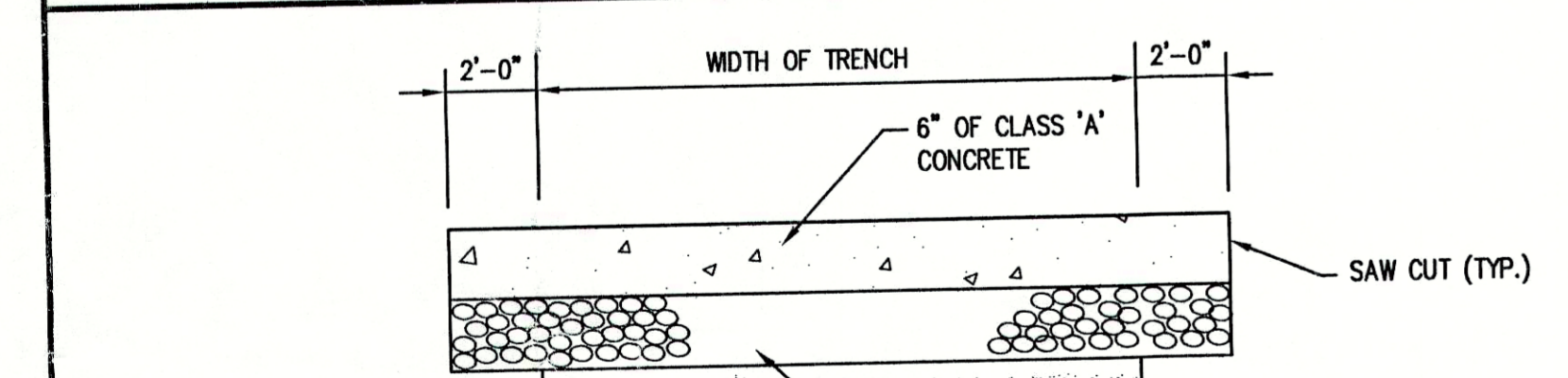
4 **DROP MANHOLE**
SCALE: N.T.S.



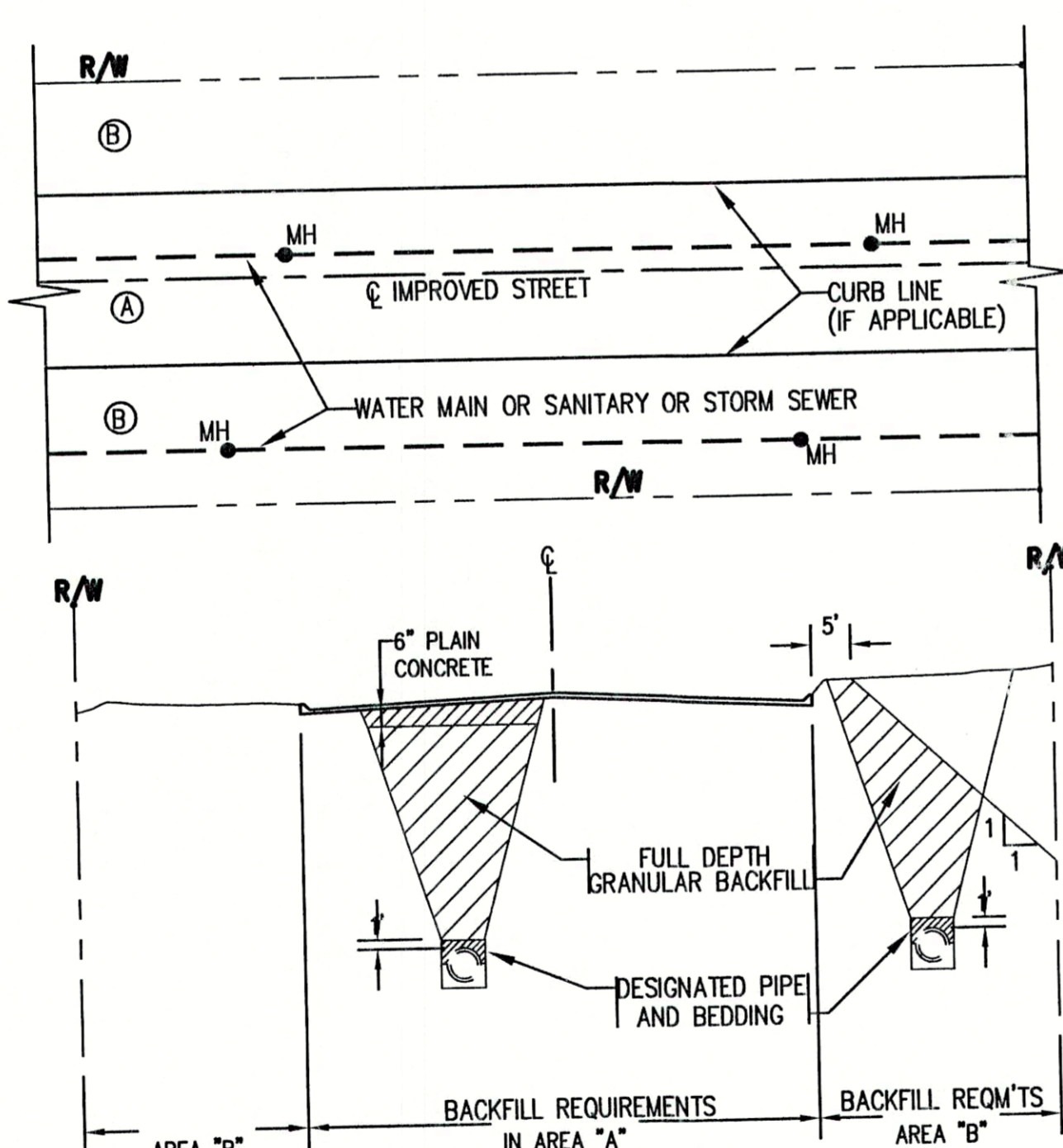
5 **ASPHALT DRIVE REPAIR DETAIL**
SCALE: N.T.S.



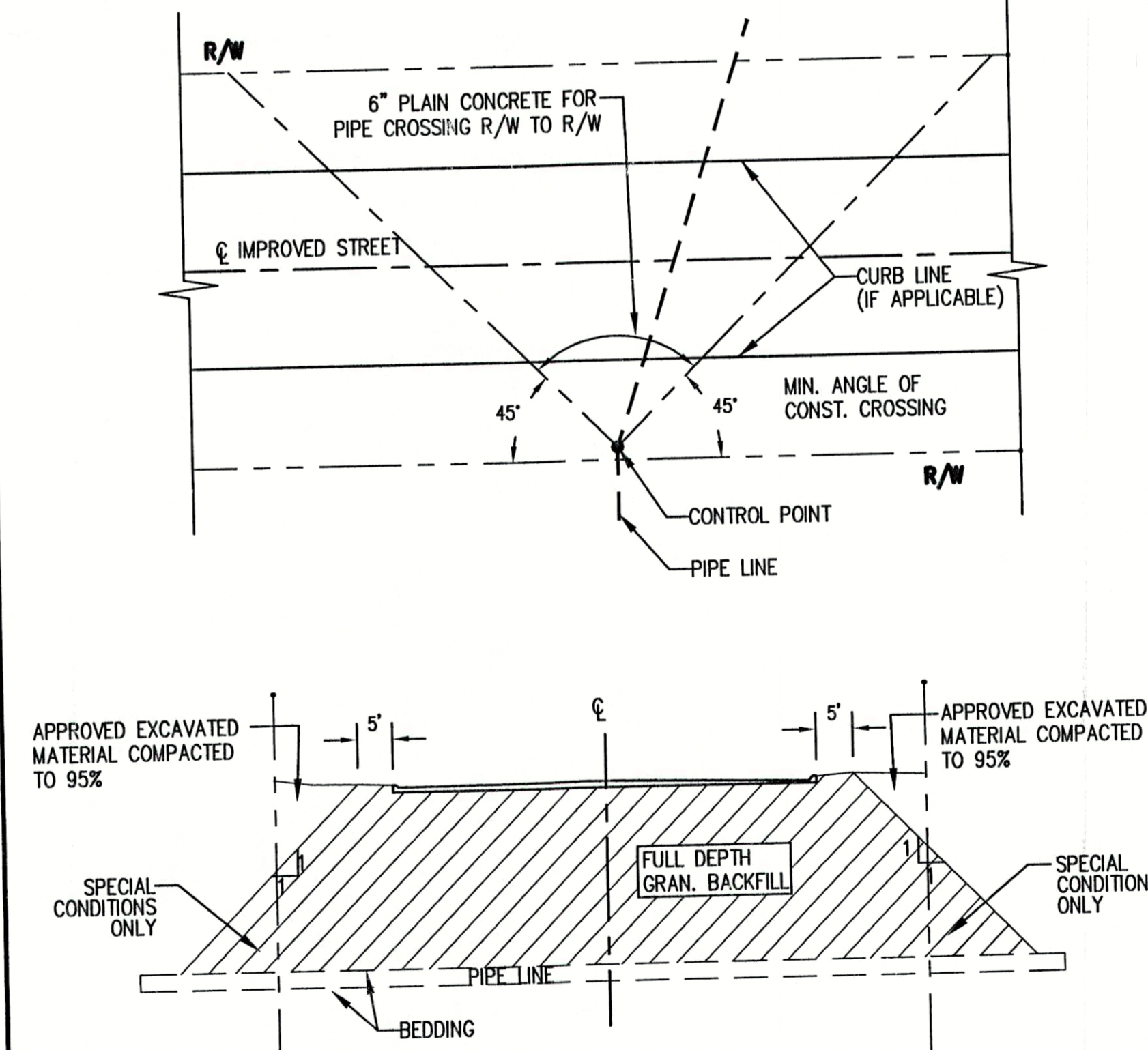
6 **STONE DRIVE REPAIR DETAIL**
SCALE: N.T.S.



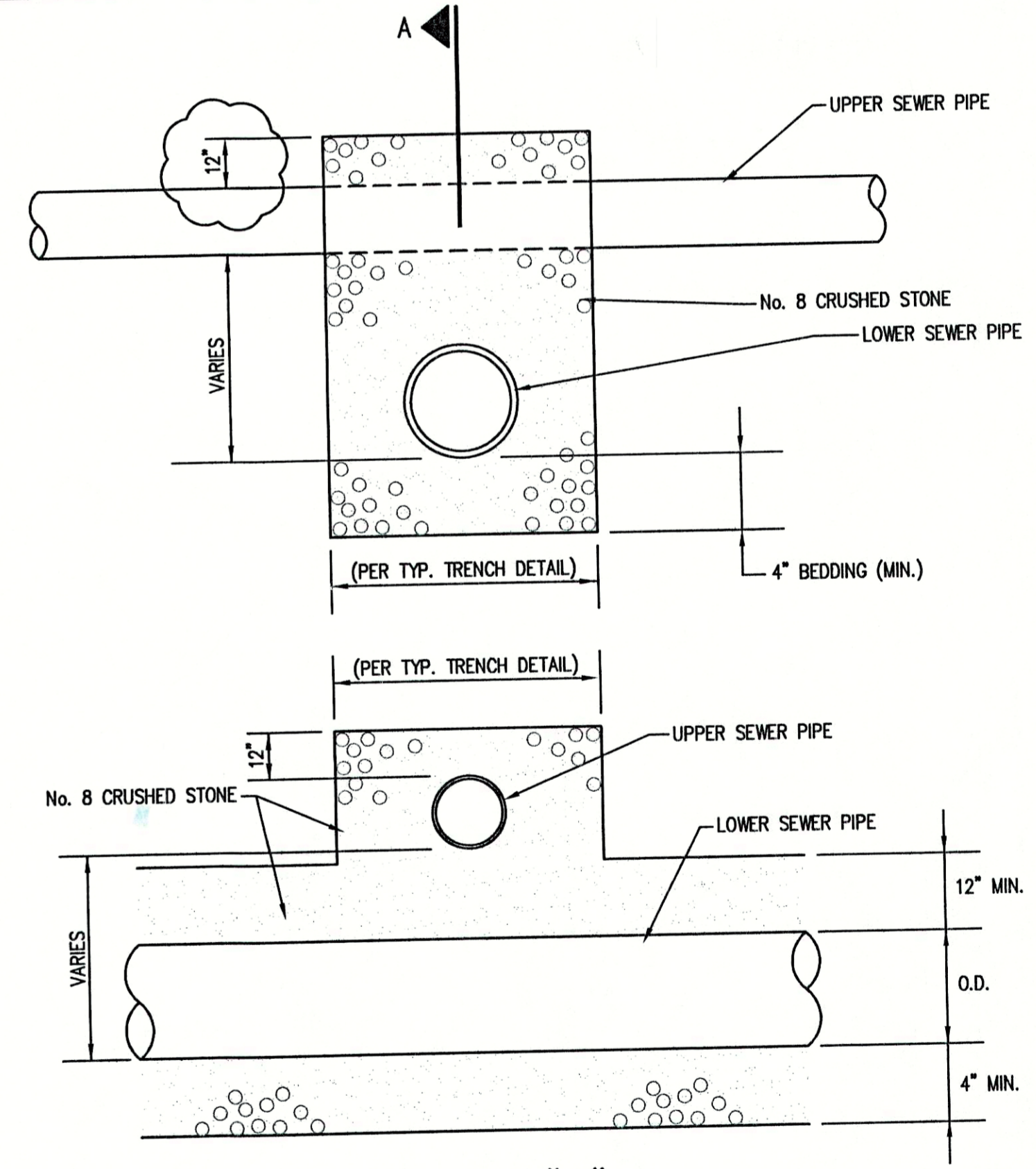
7 **CONCRETE DRIVE REPAIR DETAIL**
SCALE: N.T.S.



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.

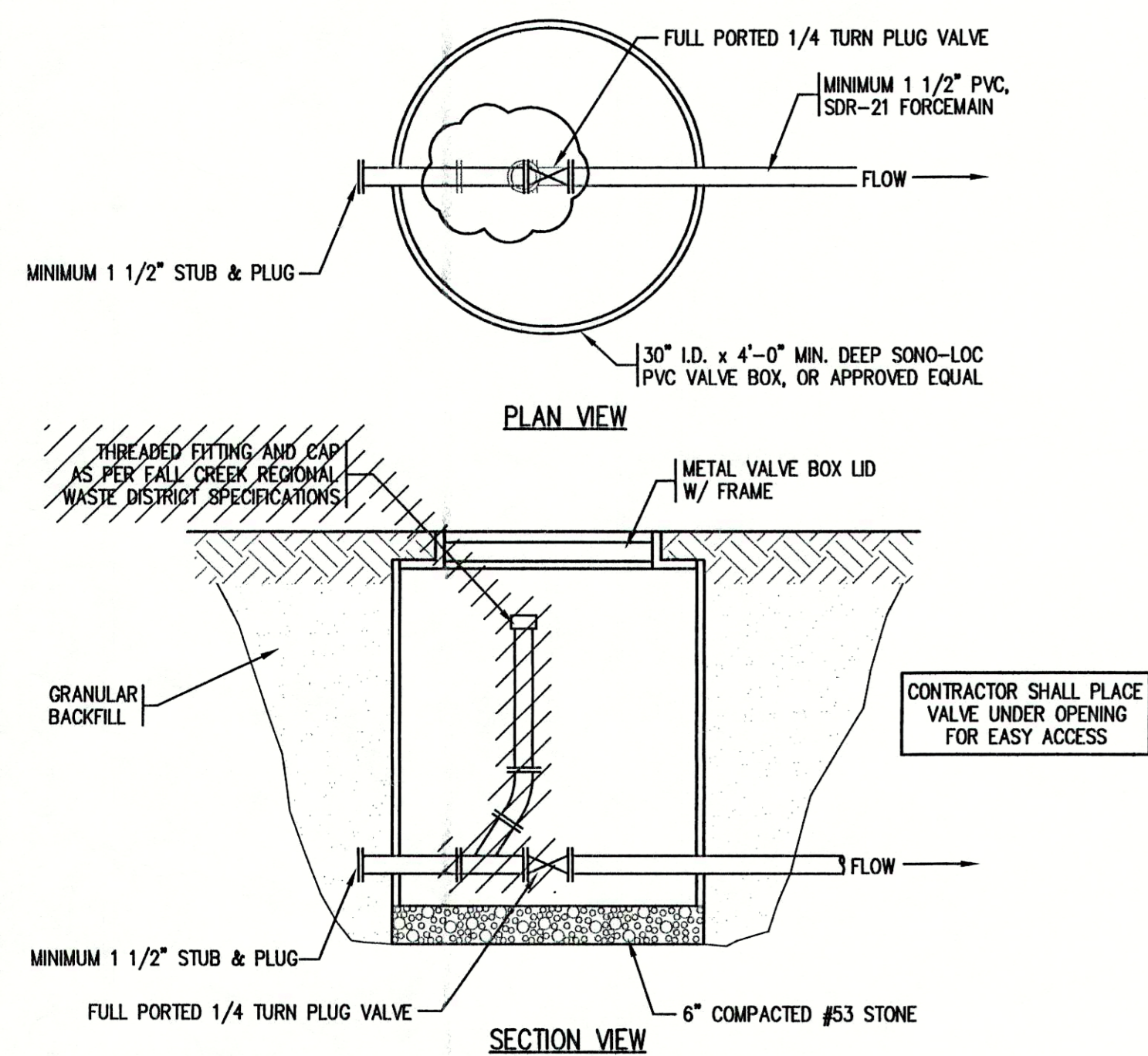
RECORD DRAWING
APRIL 2001

NO.	DATE	DESCRIPTION	BY

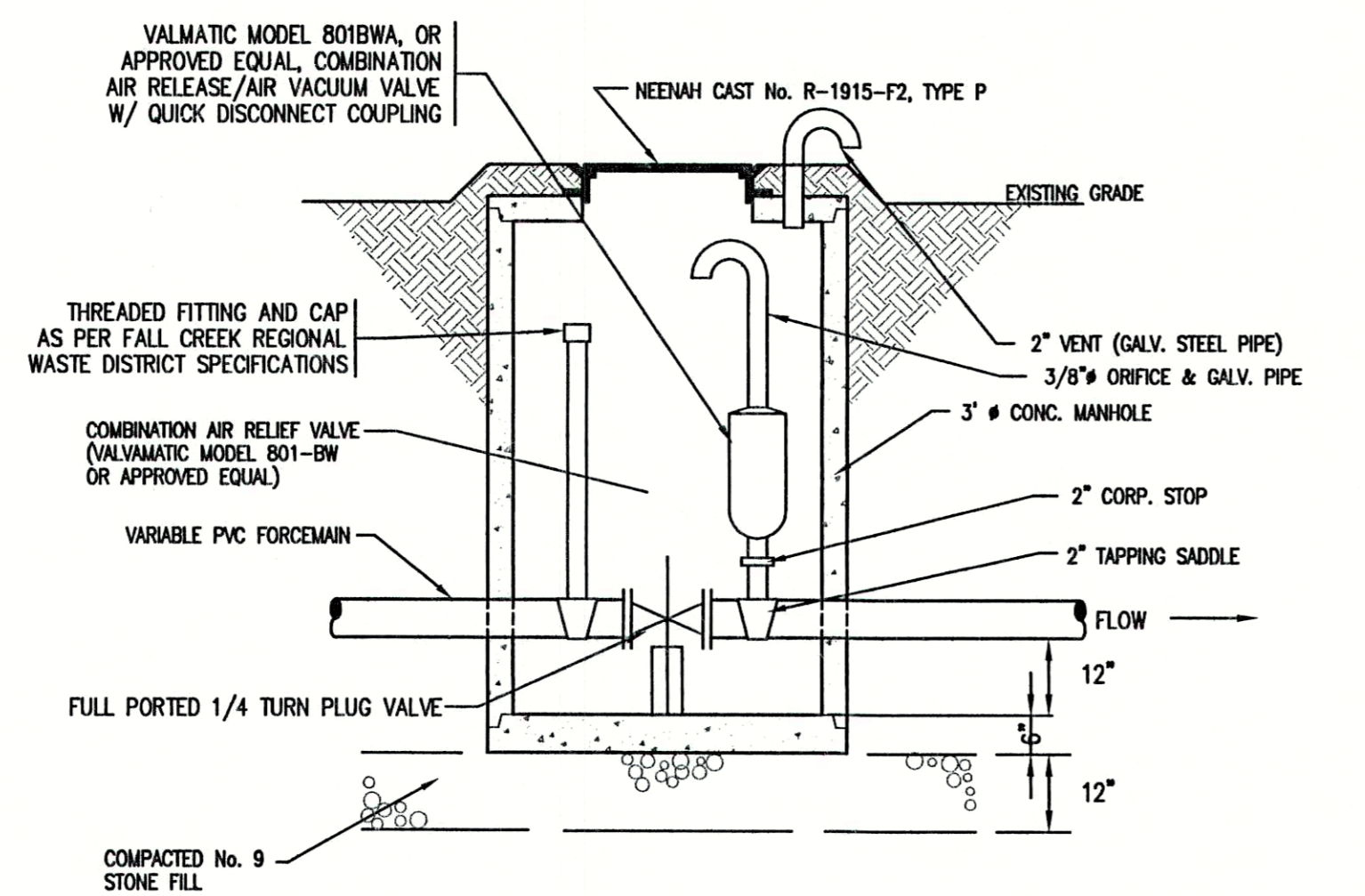
TRIAD ASSOCIATES INC.
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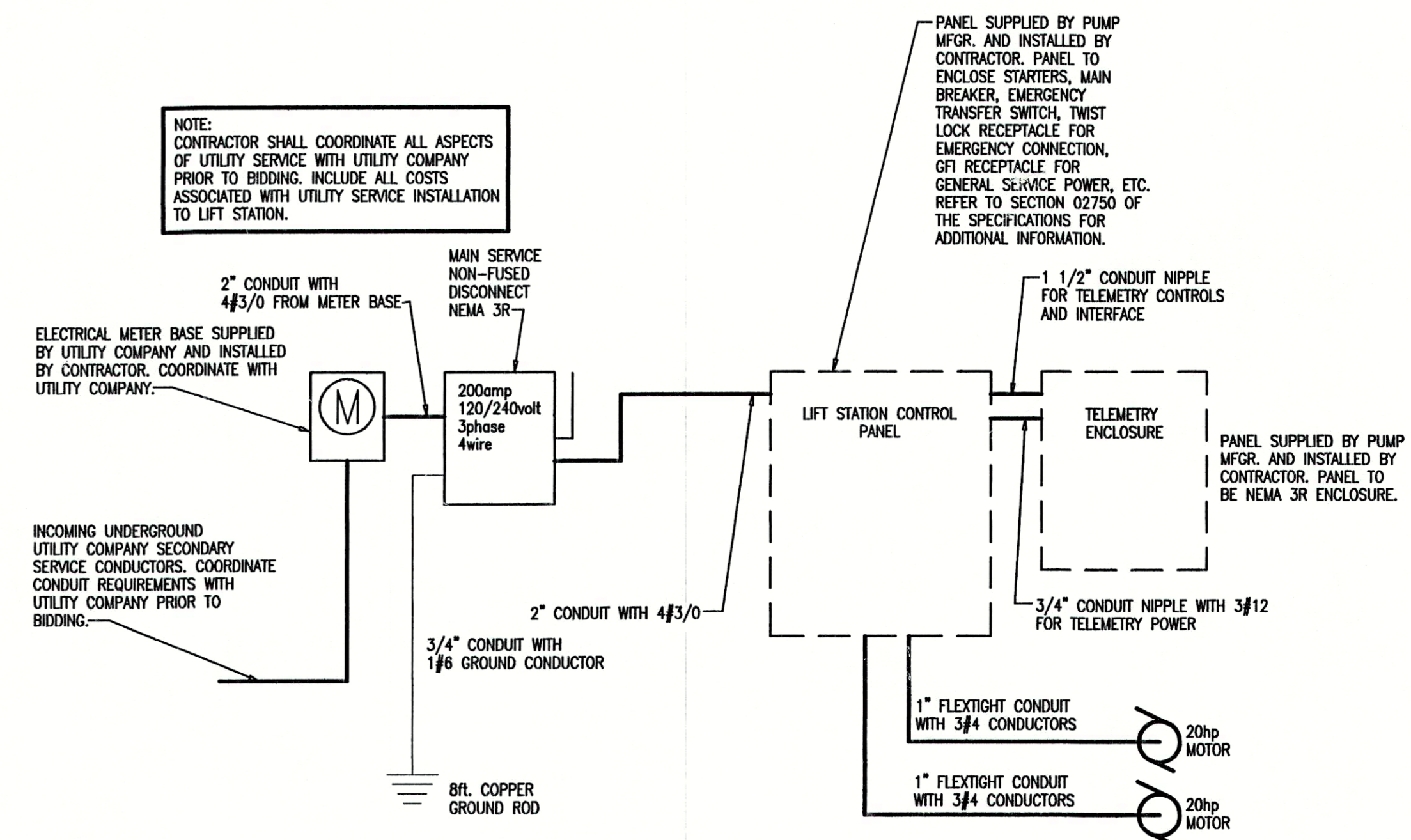
FREEDS VILLAGE SUBDIVISION
FALL CREEK REGIONAL WASTE DISTRICT
STANDARD SANITARY SEWER DETAILS
DRAWN BY: DATE 04/12/98 PROJECT No. 98008A SHEET No. 19
SCALE AS NOTED
DESIGNED BY: D.A. Pauling
CHECKED BY: James W. Frazell, P.E.
20



0 NOT TO SCALE



0 SCALE: N.T.S.



SCALE: N.T.S.

RECORD DRAWING APRIL 2001

FILE NAME: FRVL_D2-REC		PLOT SCALE: 1=1	PLOT DATE: 04/0
NO.	DATE	DESCRIPTION	BY

TRIAD ASSOCIATES INC.
INDIANAPOLIS, INDIANA

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

FREEDS VILLAGE SUBDIVISION FALL CREEK REGIONAL WASTE DISTRICT STANDARD SANITARY SEWER DETAILS			
DRAWN BY: DAP	DATE: 04/12/98	PROJECT No. 98008A	SHEET No. 20
DESIGNED BY: D.A. Pauling	SCALE: AS NOTED	CHECKED BY: James W. Frazell, P.E.	OF 20