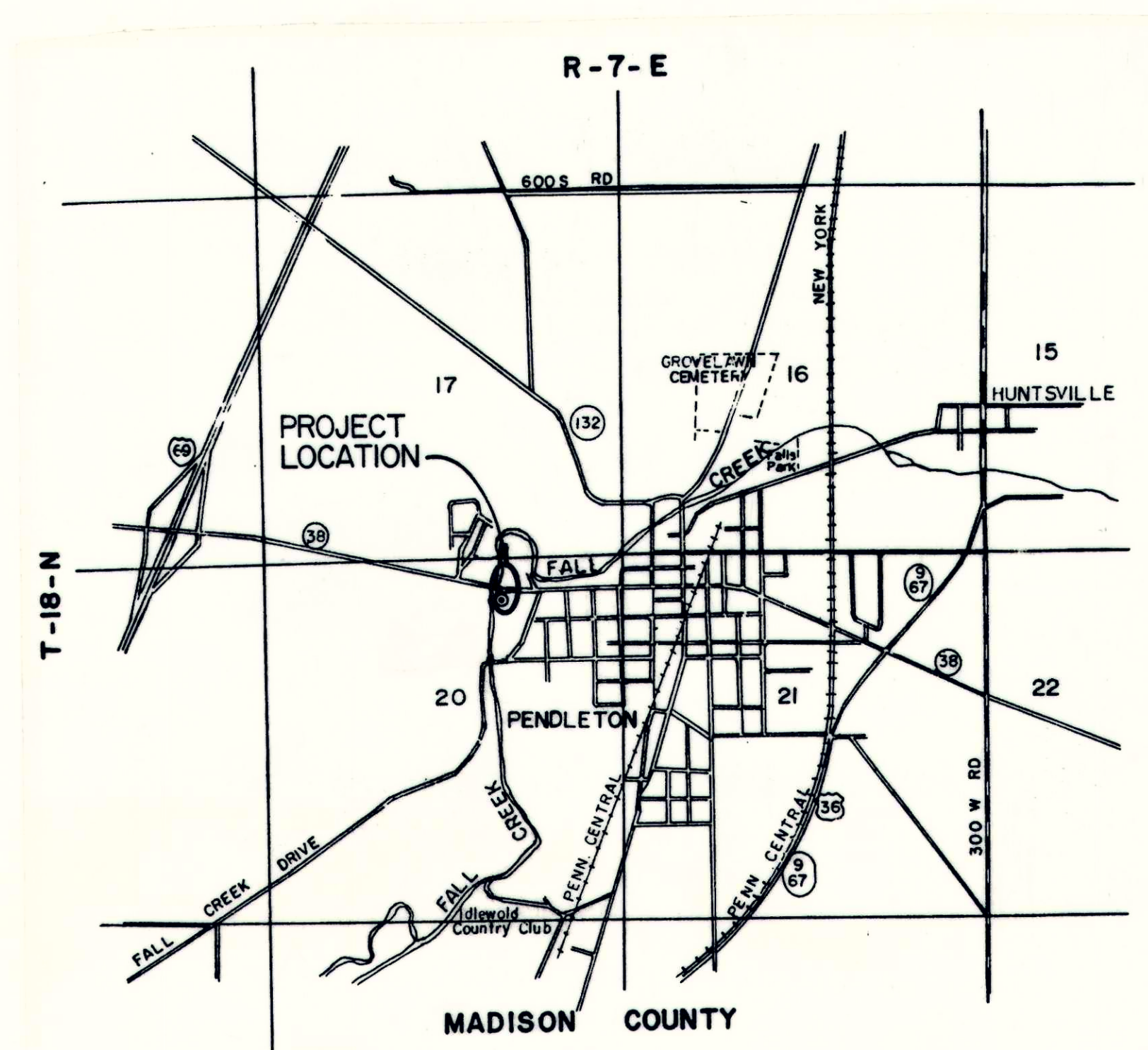
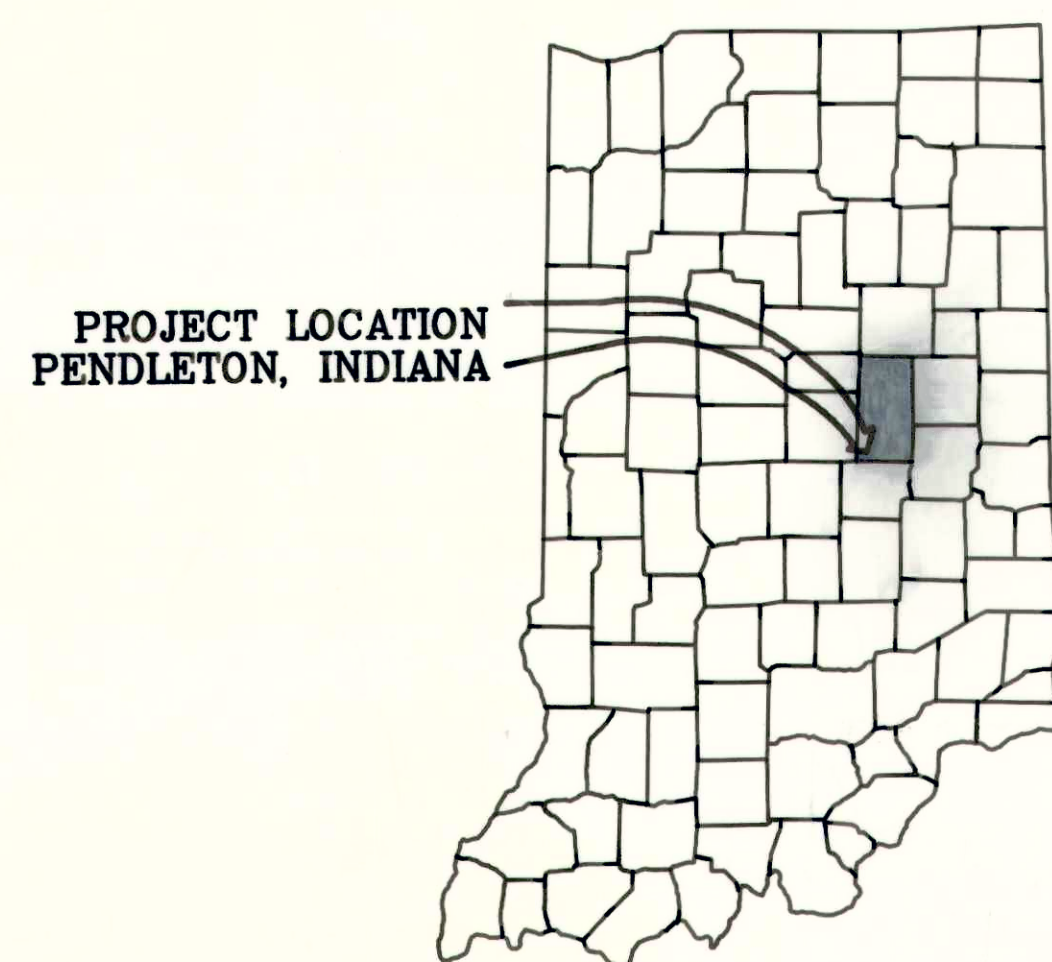


FALL CREEK REGIONAL WASTE DISTRICT PENDLETON SEWER & LIFT STATION RELOCATION



FALL CREEK REGIONAL DISTRICT BOARD

Bill Clark
Bill Clark - President

Morris McCurdy
Morris McCurdy - Member

Charles Hennis
Charles Hennis - Member

Mark Jablonski
Mark Jablonski - Member

Agon Tolbert
Agon Tolbert - Member

Marvin Kelly
Marvin Kelly - Member

Dan Walters
Dan Walters - Member

Marion Morris
Marion Morris - Member

John Ellingwood - Member

Joe Rowlett
Joe Rowlett - General Manager

Date 12/18/91



BEAM, LONGEST & NEFF, INC.
CONSULTING ENGINEERS
INDIANAPOLIS, INDIANA

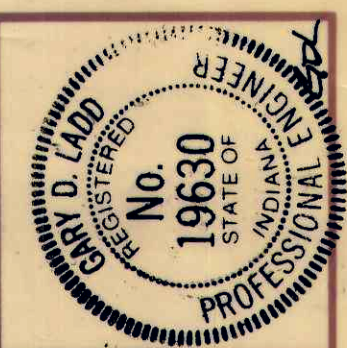


Gary D. Ladd
CERTIFIED

JAN. 11, 1990
DATE

Eric Reske
CERTIFIED

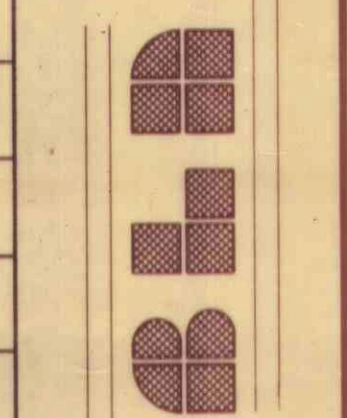
RECORD DRAWING



SEWER PLAN & PROFILE
FALL CREEK REGIONAL WASTE DISTRICT

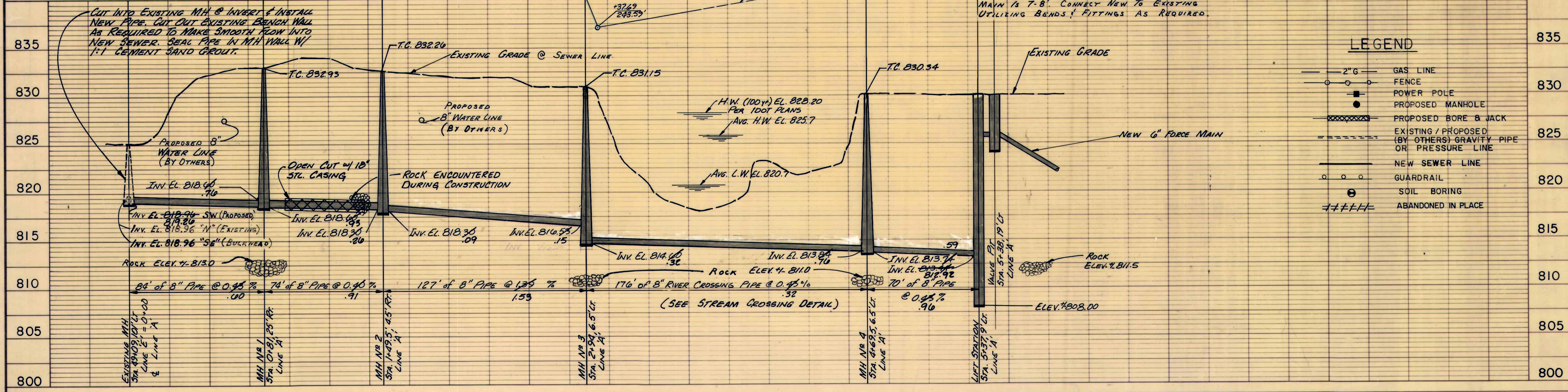
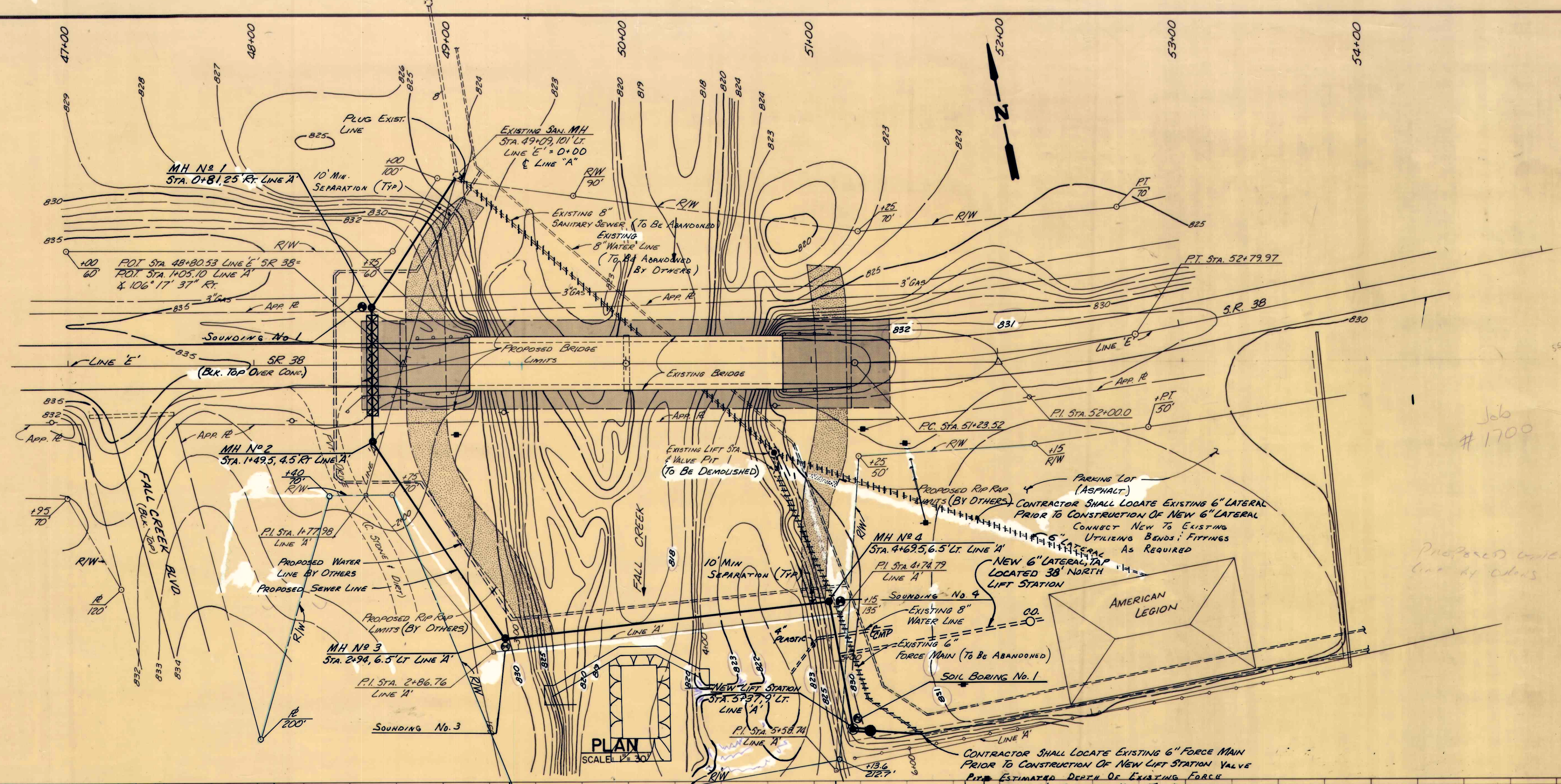
SCALE: As Noted
DRAWN: S.B.S.
DESIGNED: D.R.H.
CHECKED: G.D.L.
DATE: Aug. 1989

BEAM, LONGEST & NEFF, INC.
CONSULTING ENGINEERS
8136 CASTLETON ROAD
INDIANAPOLIS, INDIANA 46250



DATE	REVISIONS	DESCRIPTION	BY
5/12/93	AS-BUILT	HMP	

2
5



LEGEND	
— 2" G —	GAS LINE
— ○ —	FENCE
— ● —	POWER POLE
— ● —	PROPOSED MANHOLE
— X —	PROPOSED BORE & JACK
— --- —	EXISTING / PROPOSED (BY OTHERS) GRAVITY PIPE OR PRESSURE LINE
— ○ —	NEW SEWER LINE
— ○ —	GUARDRAIL
— ● —	SOIL BORING
— --- —	ABANDONED IN PLACE

PROFILE
SCALE: 1" = 30' HORIZ.
1" = 5' VERT.

RECORD DRAWING

WHERE THE HIGHER PHASE TO GROUND
APPEARS IN THE METER BASE, SWITCHES
OR CONTROL PANEL IT SHALL BE DURABLY
COLORED ORANGE OR IDENTIFIED BY
BANDS OF ORANGE ELECTRICAL TAPE
SPACED 12" MIN. APART.



LIFT STATION
NO SCALE



- NOTES:**
1. ALL DUCTILE IRON (D.I.) PIPING IN STATION TO BE FLANGED.
 2. FURNISH ONE 4" TEE HANDLE WRENCH W/2" SQ. NUT OPERATOR.
 3. ARRANGE VALVE VAULT TO ACCOMMODATE PIPING, VALVES & FITTINGS TO UTILIZE BEST AVAILABLE SPACE.
 4. PAINT PIPING IN VALVE VAULT PER SPEC. (NOT REQUIRED IN WET WELL).

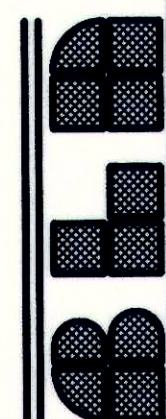
* 2 - 3 HP. SUBMERSIBLE PUMPS
HYDROMATIC MODEL S4N
(225 GPM @ 23' TDH)
ACTUAL RATE OF 255 GPM
ON 1/4/93 AT START UP.

LIFT STATION DETAILS

FALL CREEK REGIONAL WASTE DISTRICT

SCALE:	NONE
DRAWN BY:	SBS/HWP
DESIGNED BY:	DRH
CERTIFIED BY:	DRH
DATE:	OCT., 1991

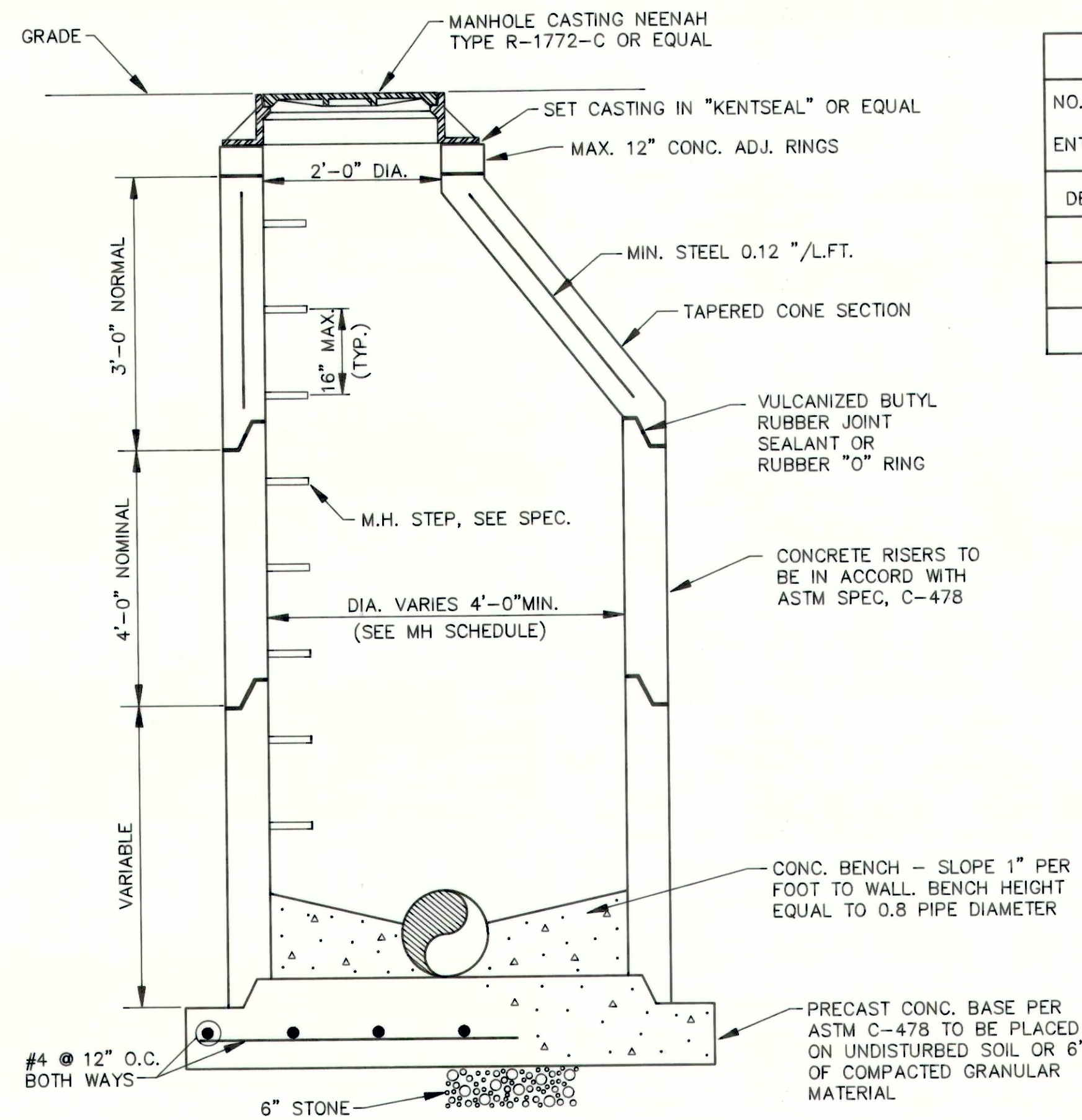
BEAM, LONGEST & NEFF, INC.
CONSULTING ENGINEERS
8126 CASTLETON ROAD
INDIANAPOLIS, INDIANA 46250



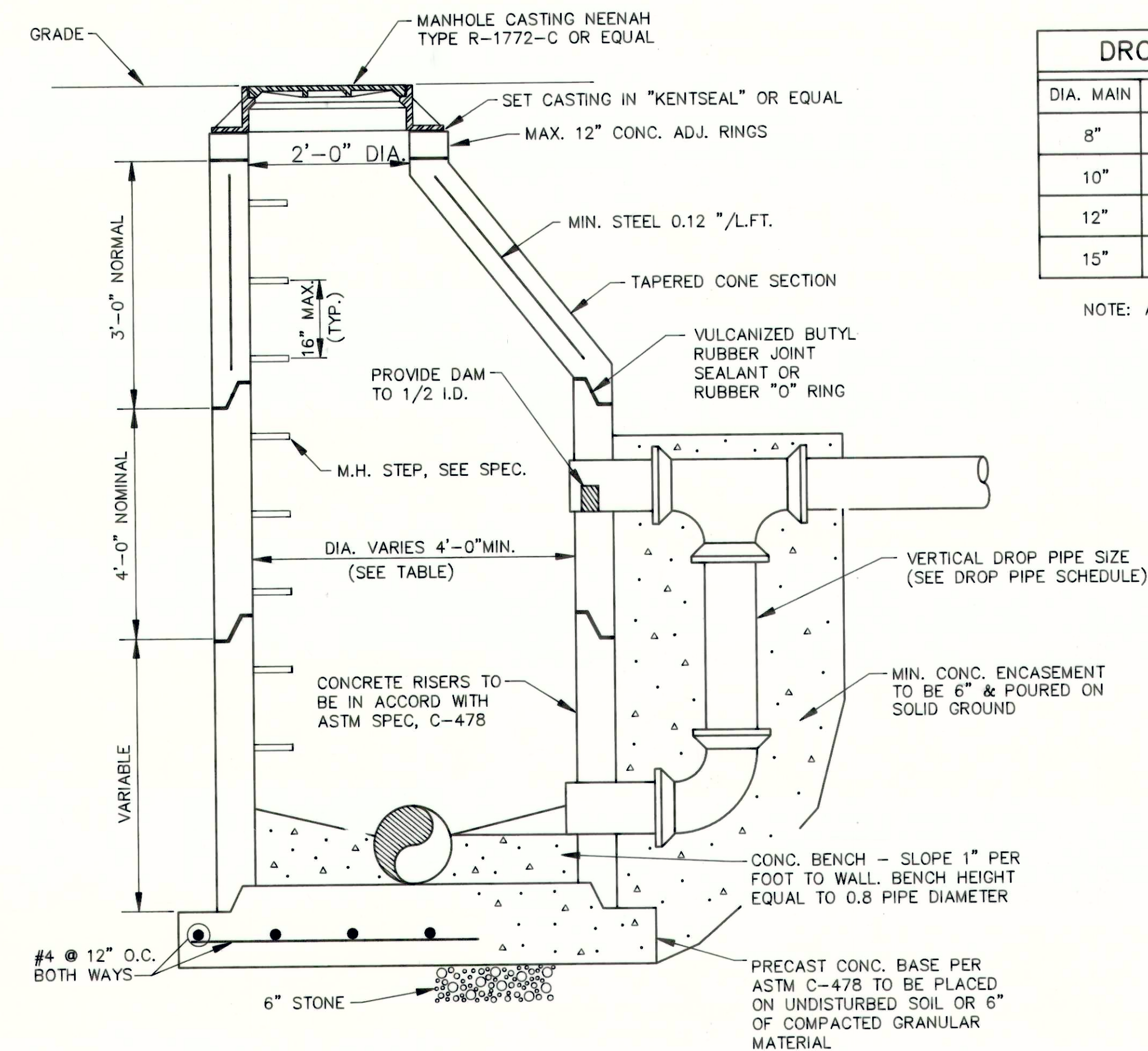
REVISIONS	
DATE	DESCRIPTION
5/12/93	AS-BUILT HAND

3
OF
5

RECORD DRAWING



STANDARD PRECAST MANHOLE
(STD-1)



STANDARD PRECAST DROP MANHOLE
(STD-2)

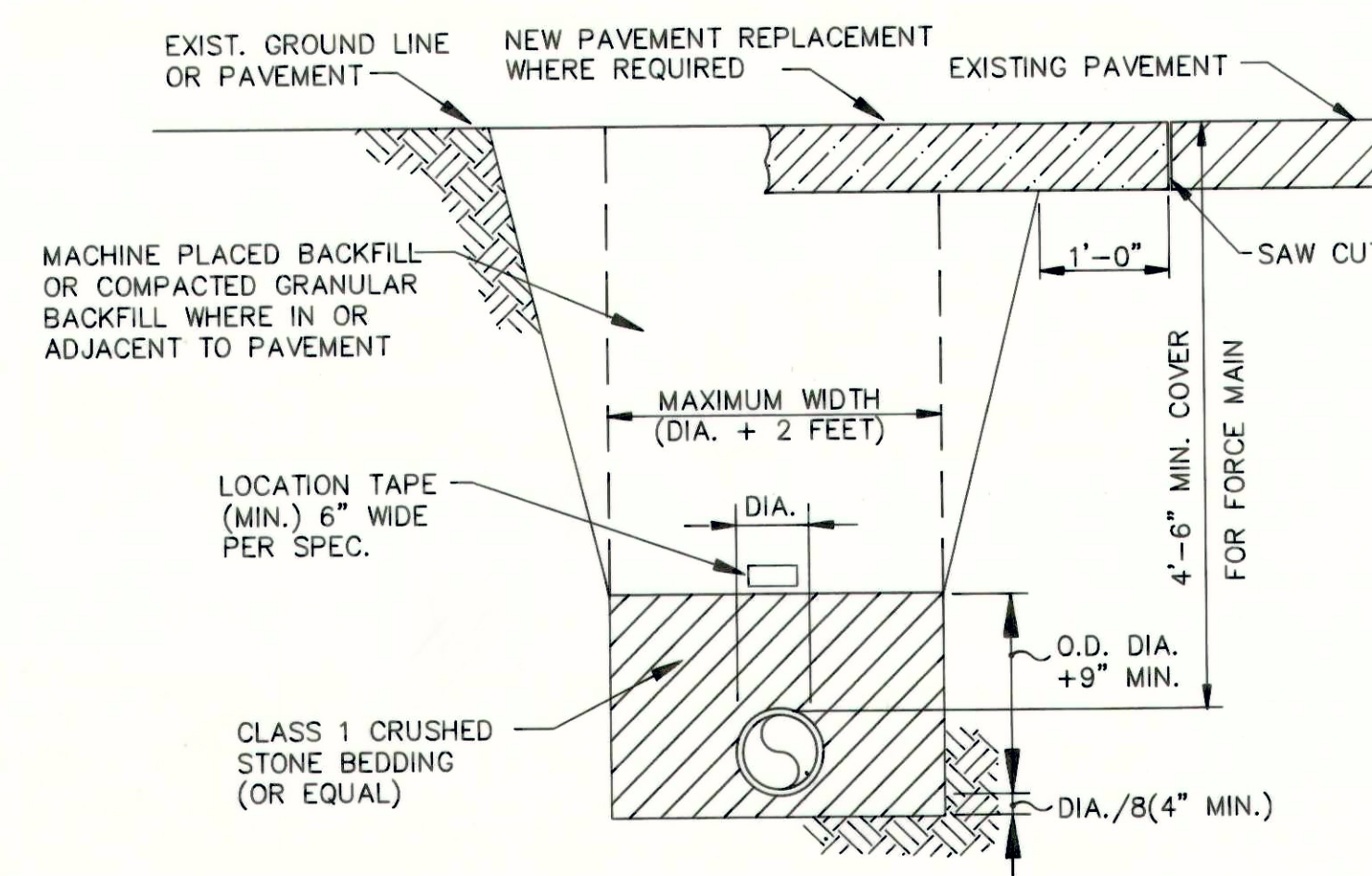
MANHOLE SCHEDULE												
NO. OF PIPES	MAXIMUM PIPE DIAMETERS											
	8"	10"	12"	15"	16"	18"	21"	24"	27"	33"	36"/UP	
ENTERING MH												
DEAD END	4'	4'	4'	4'	4'	4'	4'	4'	4'	5'		
1	4'	4'	4'	4'	4'	4'	4'	4'	4'	5'		
2	4'	4'	4'	4'	4'	4'	4'	4'	4'	5'	6'	
3	4'	4'	4'	4'	4'	4'	4'	4'	4'	5'	6'	

NOTES

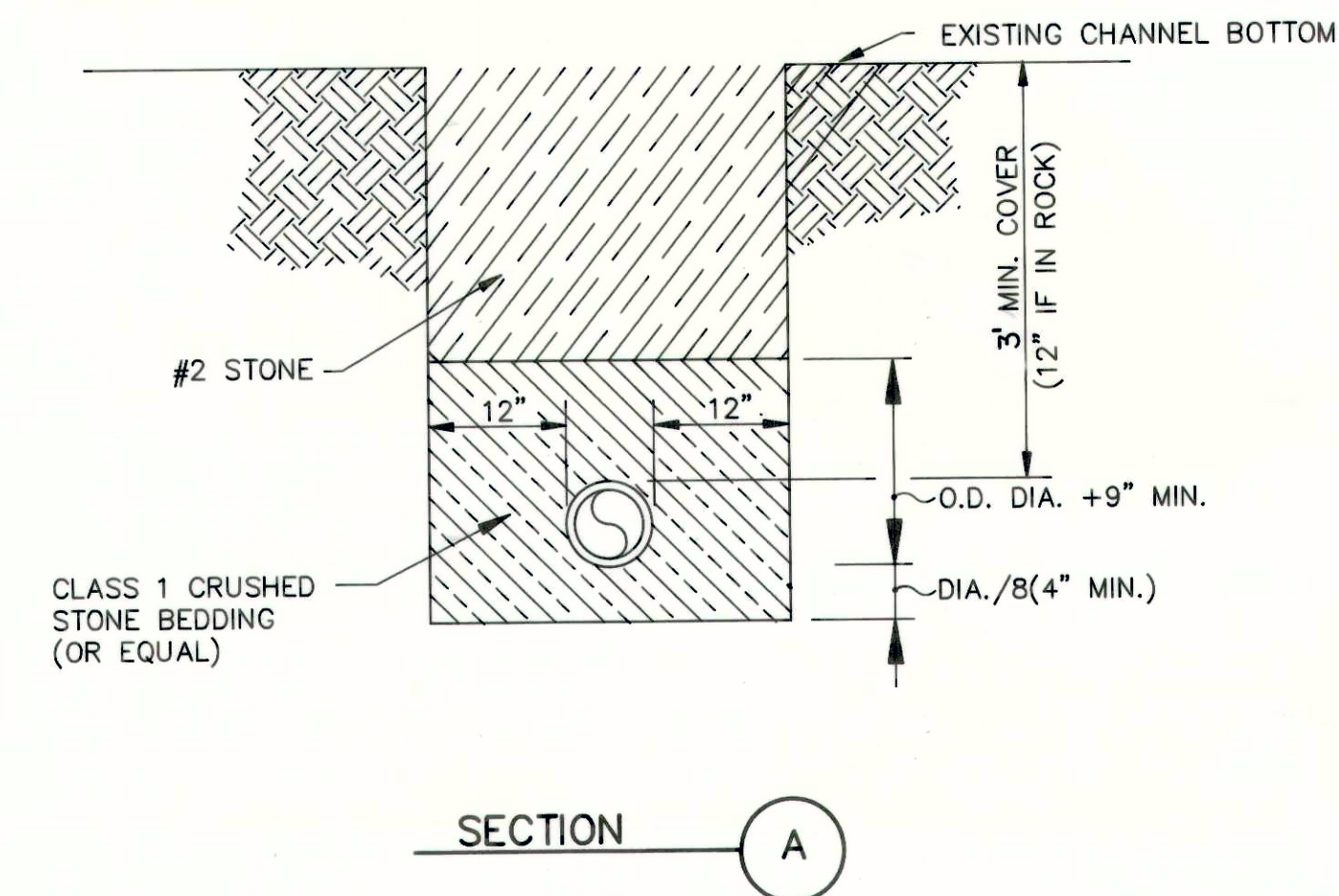
- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE LATEST A.S.T.M. SPEC.
- MANHOLE ADJUSTMENT RINGS TO BE ADJUSTED TO MATCH FINAL GROUND OR PAVEMENT GRADE, UNLESS OTHERWISE NOTED ON PLANS.
- MANHOLE BOTTOMS SHALL BE FORMED TO PROVIDE CHANNELS CONFORMING IN SIZE AND SHAPE TO THE INCOMING AND OUTGOING SLOPED SEWER WITH SMOOTH CHANNEL INVERT SLOPED AND FILLETED IN A MANNER TO PREVENT DEPOSITING OF SOLIDS IN THE MANHOLE. FOR ALL MANHOLES 6'-0" OR LESS IN DEPTH PROVIDE RISER WITH FLAT TOP IN LIEU OF ECCENTRIC CONE IN ACCORDANCE WITH A.S.T.M. C-478.

DROP PIPE SCHEDULE			
DIA. MAIN	DIA. DROP	DIA. MAIN	DIA. DROP
8"	6"	18"	12"
10"	8"	21"	15"
12"	10"	24"	15"
15"	12"	30"	18"

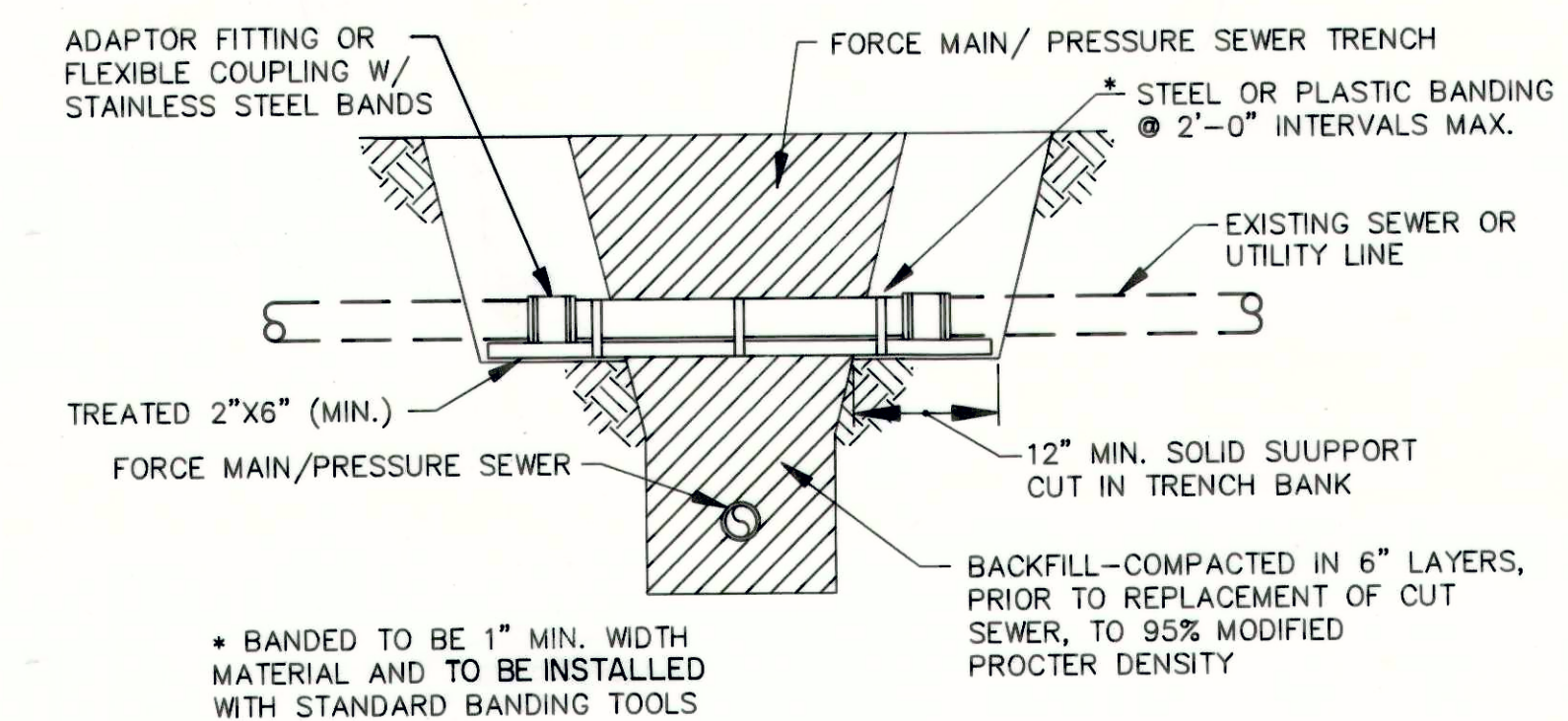
NOTE: ABOVE DROP SIZES ARE (MIN.)



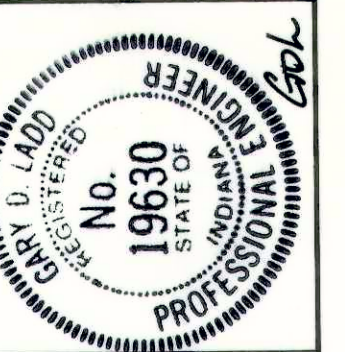
FLEXIBLE PIPE FORCE MAIN OR GRAVITY SEWER
TYPICAL TRENCH DETAIL
(STD-23)



STREAM CROSSING PLAN
(STD-18)



REPAIR AND SUPPORT DETAILS OF
EXPOSED UTILITIES AND SEWERS
(STD-22)

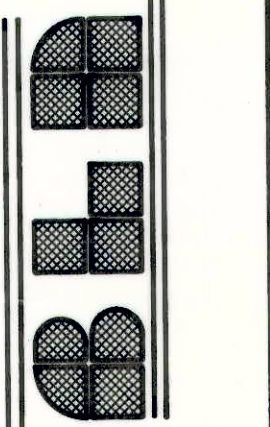


MISCELLANEOUS STRUCTURE &
TRENCH DETAILS

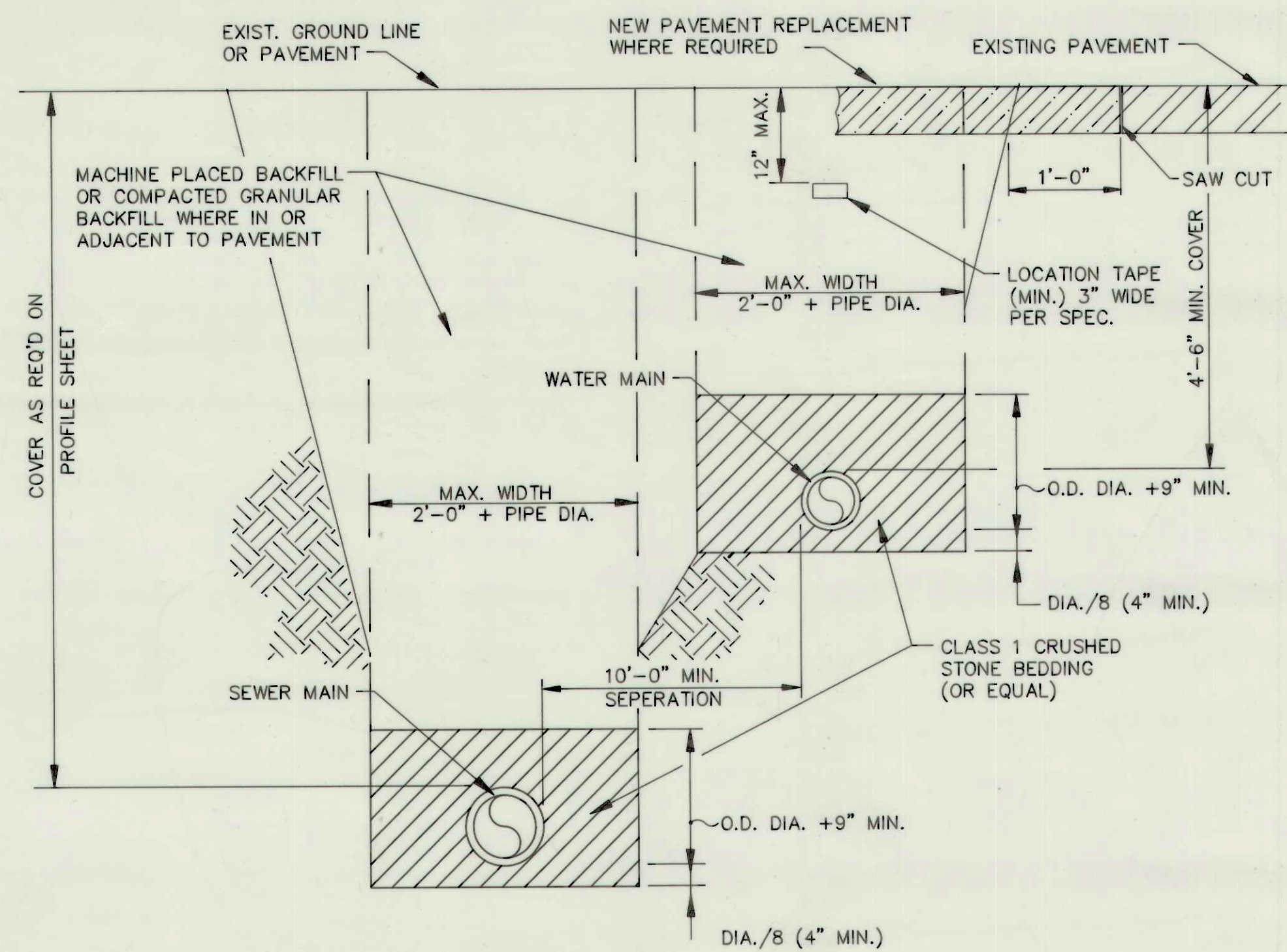
FALL CREEK REGIONAL WASTE DISTRICT

SCALE: NONE
DRAWN BY: SPS
DESIGNED BY: DRH
CERTIFIED BY: GDL
DATE: OCT., 1991

BEAM, LONGEST & NEFF, INC.
CONSULTING ENGINEERS
8126 CASTLETON ROAD
INDIANAPOLIS, INDIANA 46250

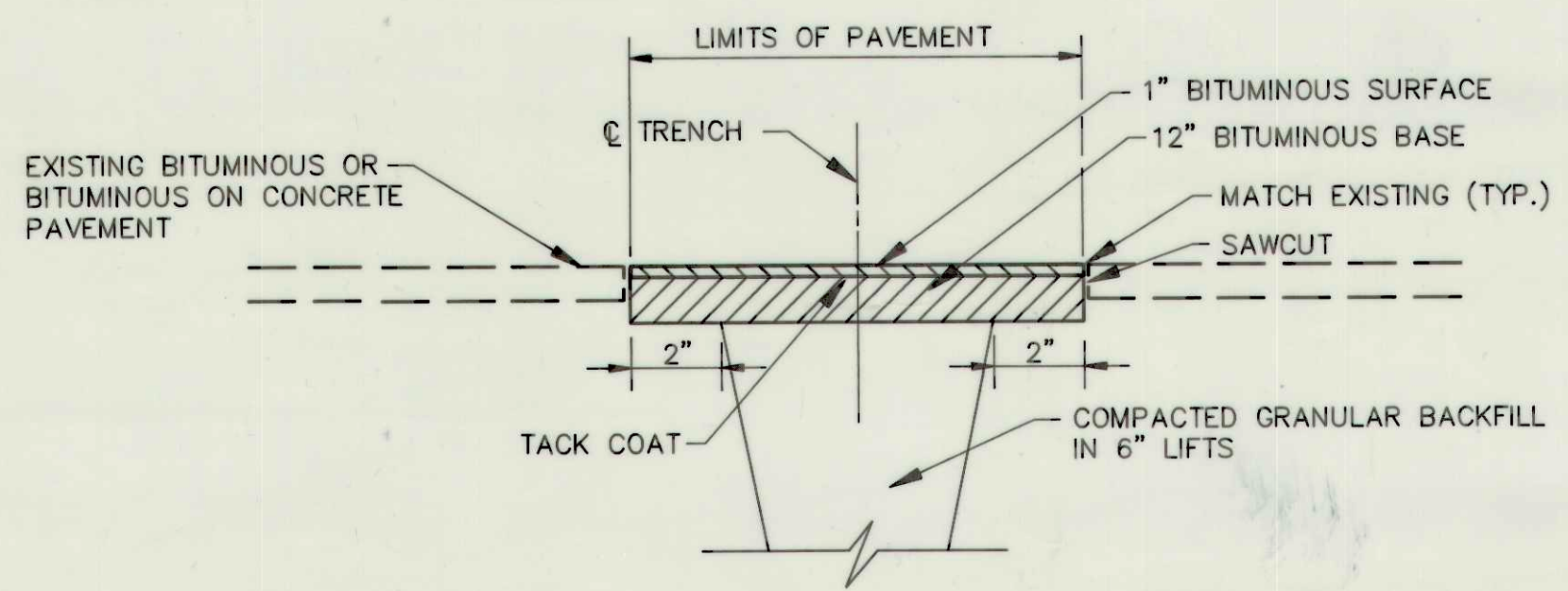


REVISIONS	DESCRIPTION	DATE
1	AS-BUILT	5/12/93

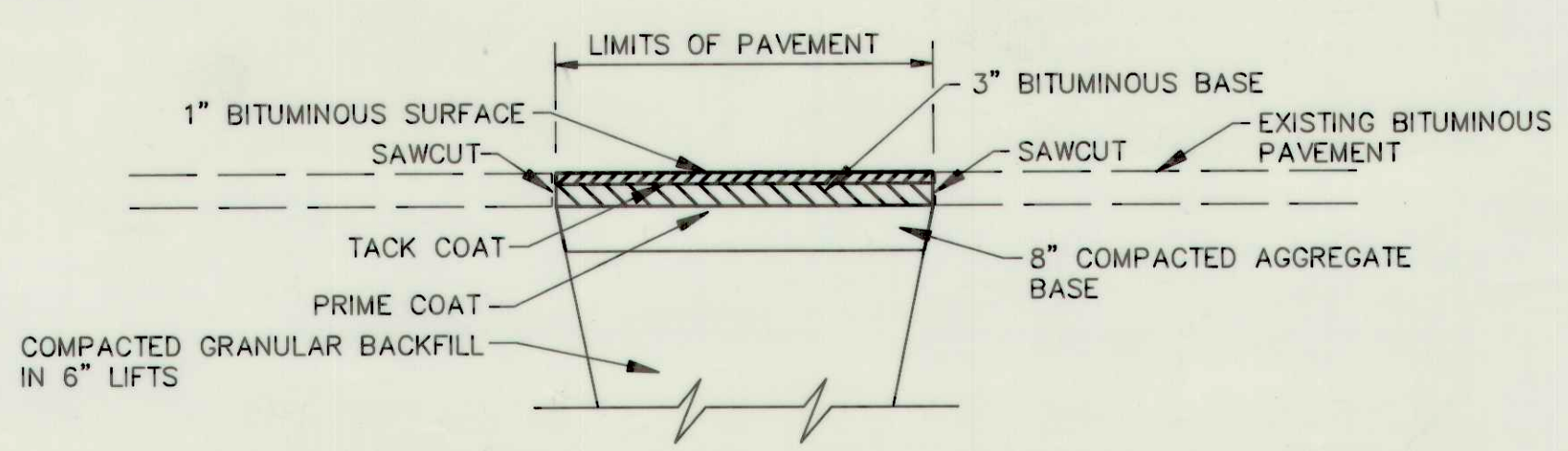


GRAVITY SEWER & WATER MAIN TRENCH DETAIL (BENCHED)
(STD-24)

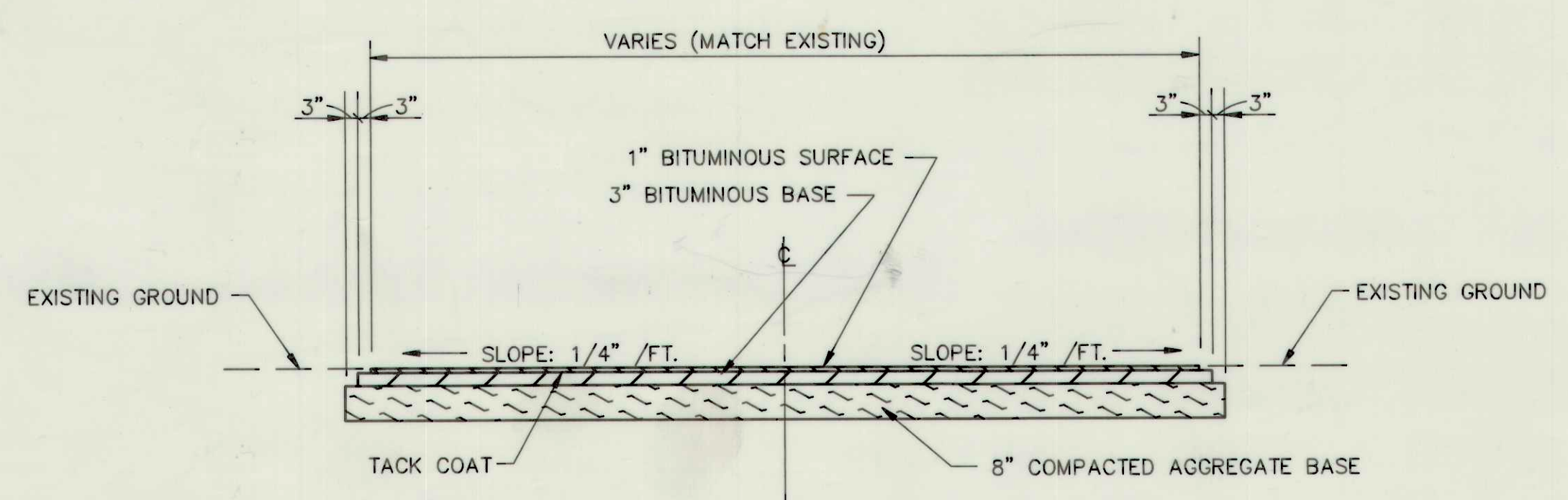
NOTE:
TRENCHES SHALL BE EXCAVATED W/
SIDEWALL SLOPES AS REQUIRED TO
COMPLY W/ APPLICABLE REGULATIONS
AND STANDARDS OF THE DEPARTMENT
OF LABOR OCCUPATIONAL SAFETY AND
HEALTH ADMINISTRATION.



HIGHWAY REPAIR FOR BITUMINOUS PAVEMENT
OR BITUMINOUS ON CONCRETE PAVEMENT
(STD-11)



STREET, DRIVE AND ALLEY REPAIR
FOR BITUMINOUS PAVEMENT
(STD-12)



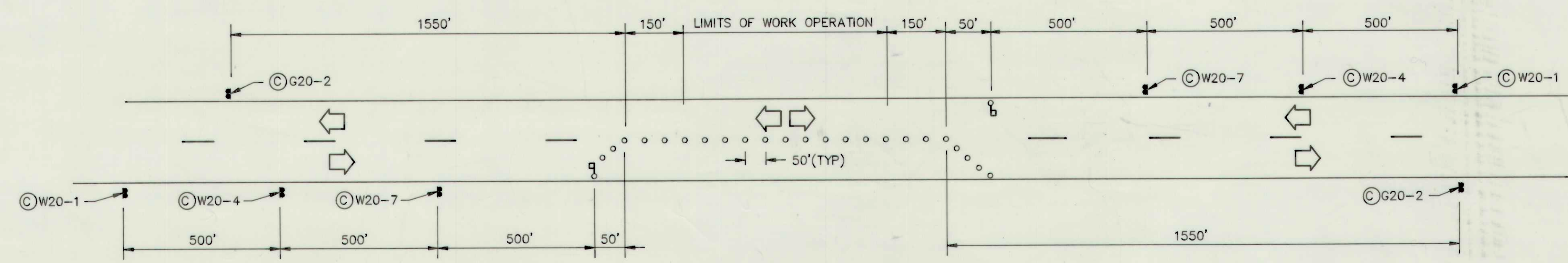
BITUMINOUS PAVEMENT
TYPICAL SECTION FOR ROADWAY REPLACEMENT
(STD-13)

GENERAL NOTES

1. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH SECTION 104.04 OF THE INDIANA STATE HIGHWAY STANDARD SPECIFICATION, DATE 1988, THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AND THE MAINTAINING TRAFFIC SEQUENCE FOR INDIVIDUAL SEGMENTS AS DETAILED.
2. CONTRACTOR SHALL BE REQUIRED TO ERECT AND MAINTAIN ALL CONSTRUCTION SIGNS AS SHOWN. ANY EXISTING SIGNS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION AFTER CONSTRUCTION.
3. THE MAINTENANCE OF TRAFFIC LISTED HERE IS ONLY A RECOMMENDATION AND SHOULD THE CONTRACTOR DESIRE TO ADOPT ANOTHER METHOD OF MAINTAINING TRAFFIC DURING CONSTRUCTION, IT SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL IN ADVANCE OF THE COMMENCEMENT OF WORK IN THE AFFECTED AREA.
4. MAINTENANCE OF TRAFFIC AS SHOWN IN THE DETAIL SHALL BE REQUIRED ONLY WHEN CONSTRUCTION IS WITHIN 12 FEET OF EDGE OF PAVEMENT.

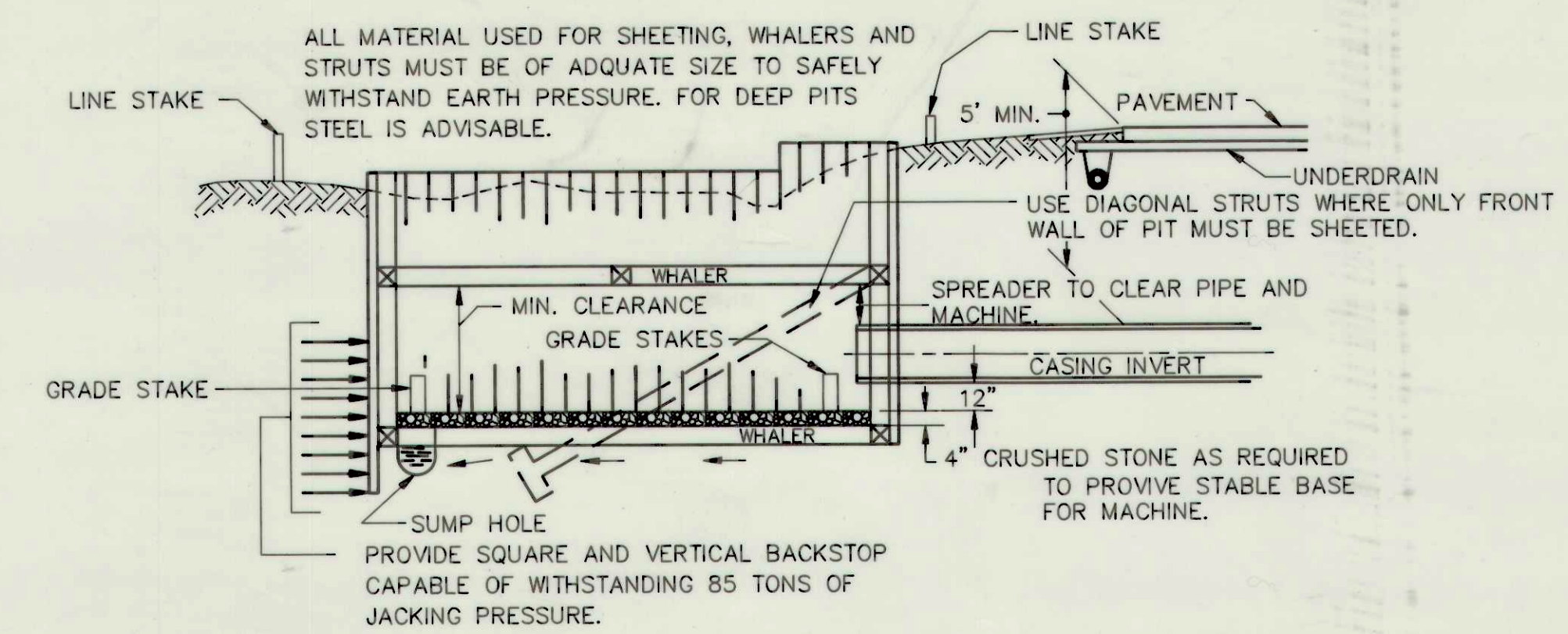
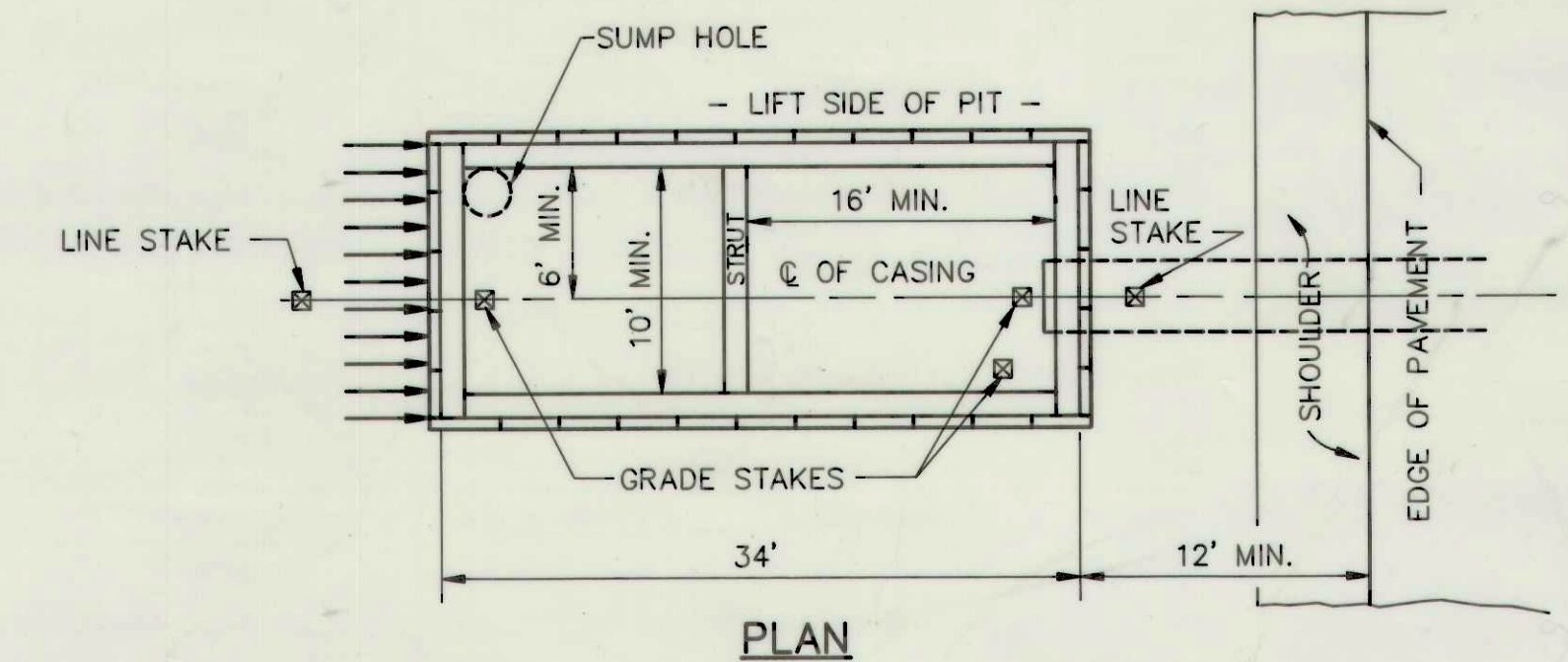
LEGEND

- CONSTRUCTION SIGNS, TYPE B
- END CONSTRUCTION
- ROAD CONSTRUCTION AHEAD
- ONE LANE ROAD AHEAD
- FLAGMAN AHEAD
- FLAGMAN
- CONE, DRUMS OR BARRICADES, TYPE I OR II



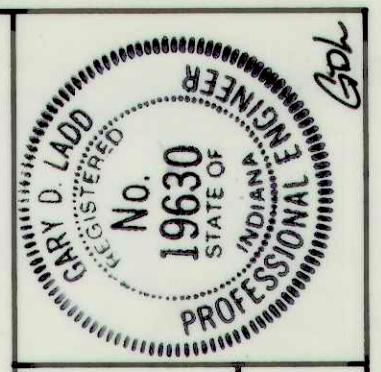
TYPICAL WORK SECTION
(STD-17)

- NOTE: 1. ONE SIDE (PREFERABLY THE LEFT SIDE) MUST BE CLEAR AND ACCESSIBLE FOR TRUCK-CRANE OPERATIONS.
2. SHEETING IS REQUIRED WHERE SOIL CONDITIONS WILL NOT ALLOW A SAFE WORKABLE PIT. ANY PORTION OF PIT NOT SHEETED MUST BE SLOPED FOR SAFETY OF MEN AND EQUIPMENT. PIT CONSTRUCTION TO COMPLY WITH ALL PROVISIONS, REQUIREMENTS AND LATESTED REVISIONS OF THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970.



IMPORTANT: PIT MUST BE CONSTRUCTED WITH SAFETY IN MIND. SHEET OR SLOPE WALLS TO PROVIDE A SAFE WORKABLE PIT.

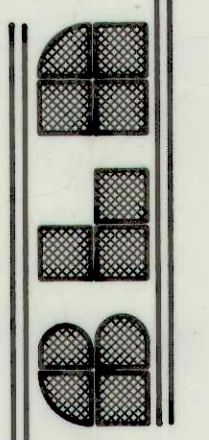
SUGGESTED BORE OR JACK PIT
FOR HIGHWAY AND RAILROAD
(STD-14)



MISCELLANEOUS STREET REPAIR
& TRENCH DETAILS
FALL CREEK REGIONAL WASTE DISTRICT

SCALE:	NONE
DRAWN BY:	SBS
DESIGNED BY:	DRH
CERTIFIED BY:	GDL
DATE:	OCT., 1991

BEAM, LONGEST & NEFF, INC.
CONSULTING ENGINEERS
8126 CASTLETON ROAD
INDIANAPOLIS, INDIANA 46250



REVISIONS	DESCRIPTION	DATE
1	AS-BUILT	5/12/93