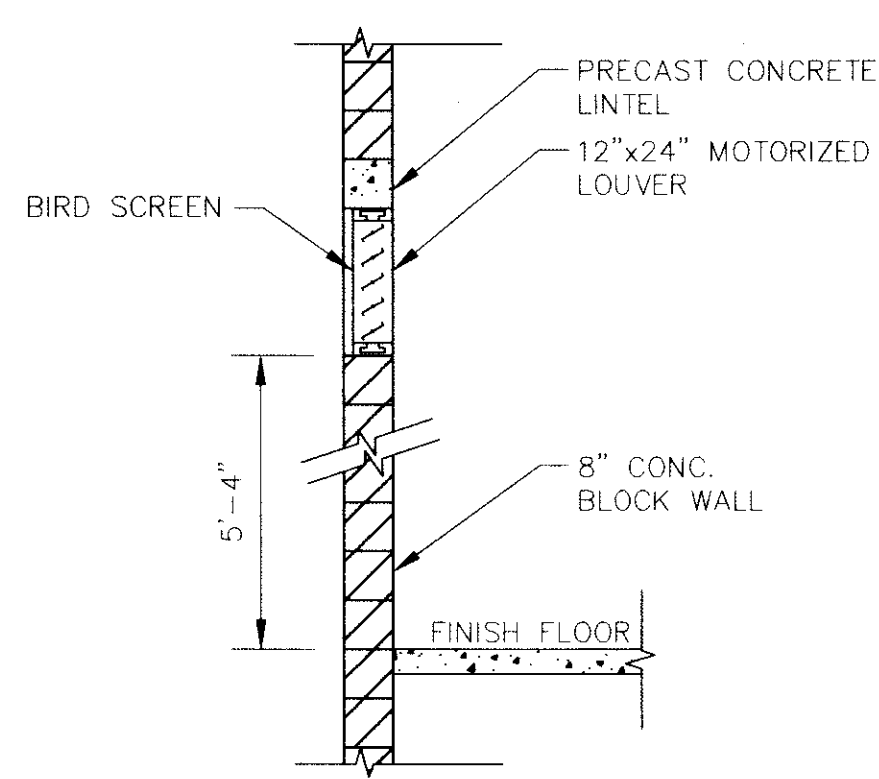
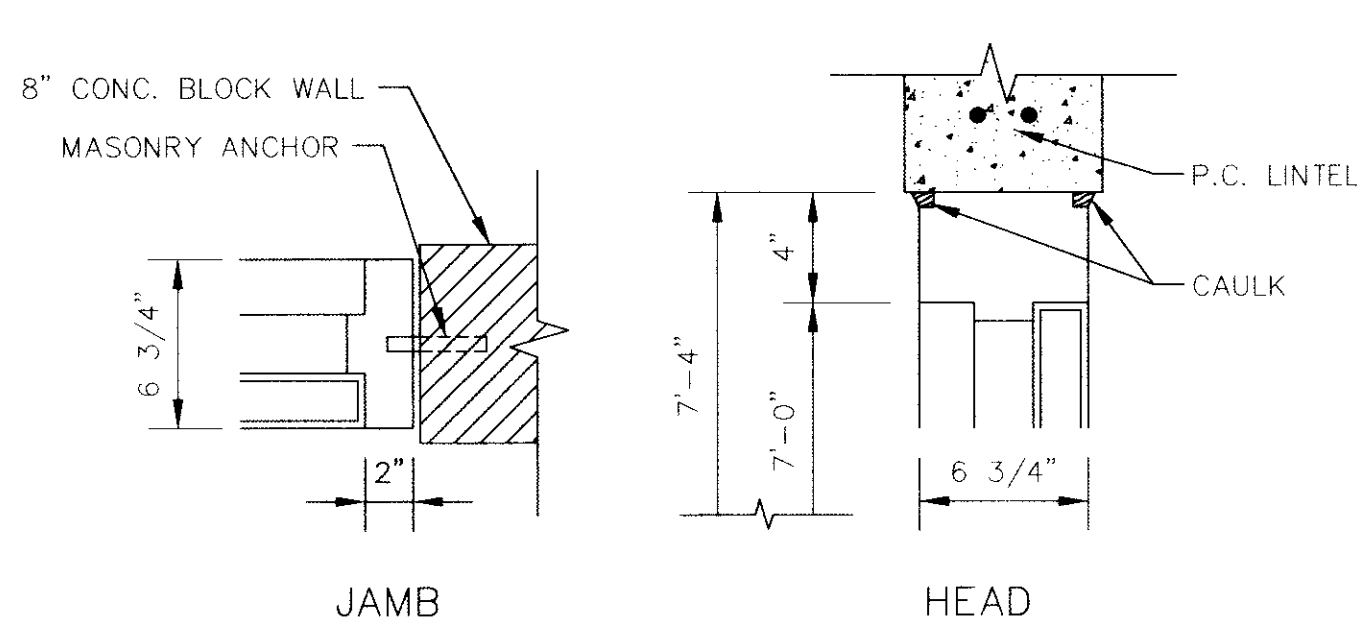


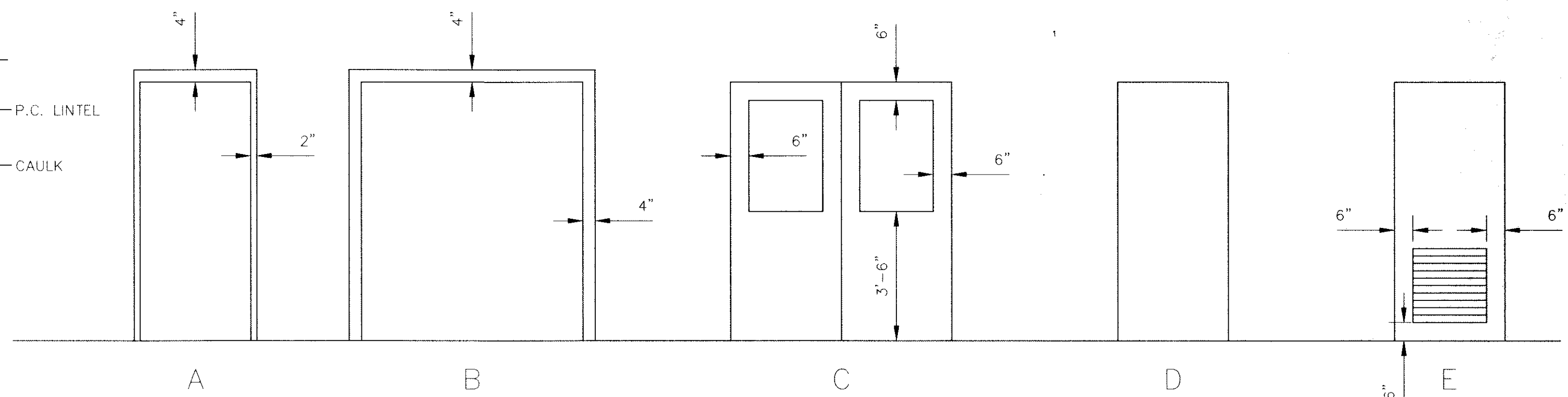
EXHAUSTER DETAIL
NO SCALE



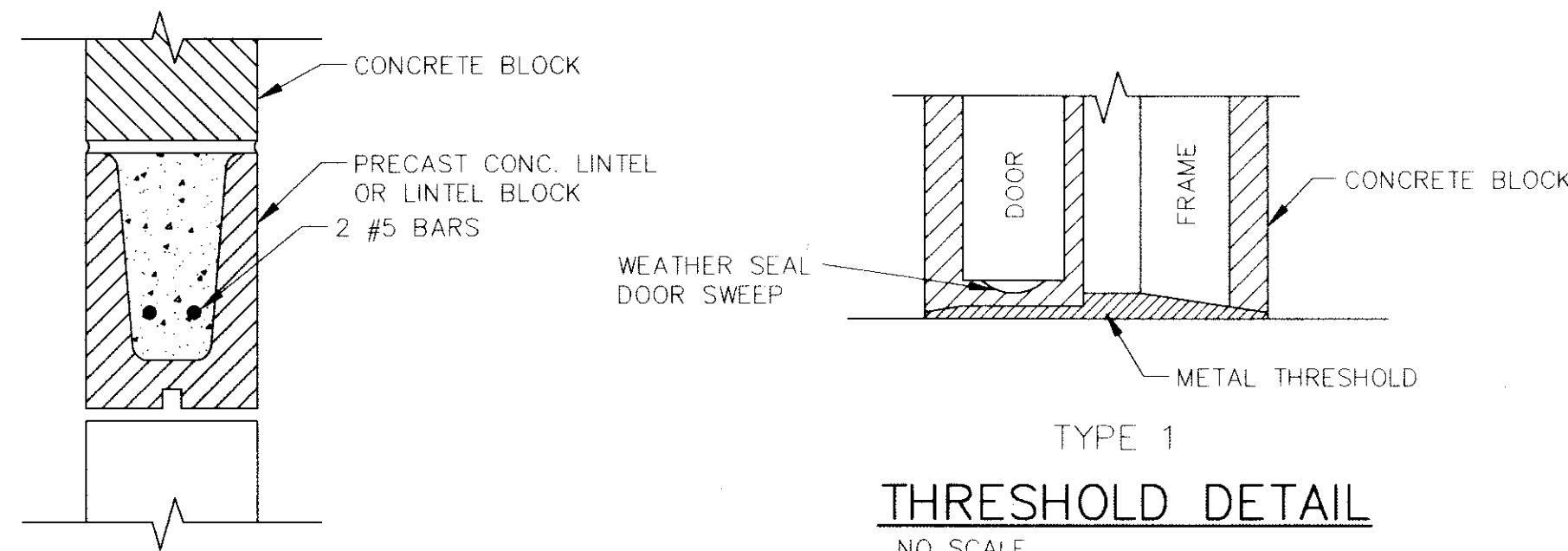
MOTORIZED LOUVER DETAIL
NO SCALE



DOOR FRAME DETAIL
NO SCALE

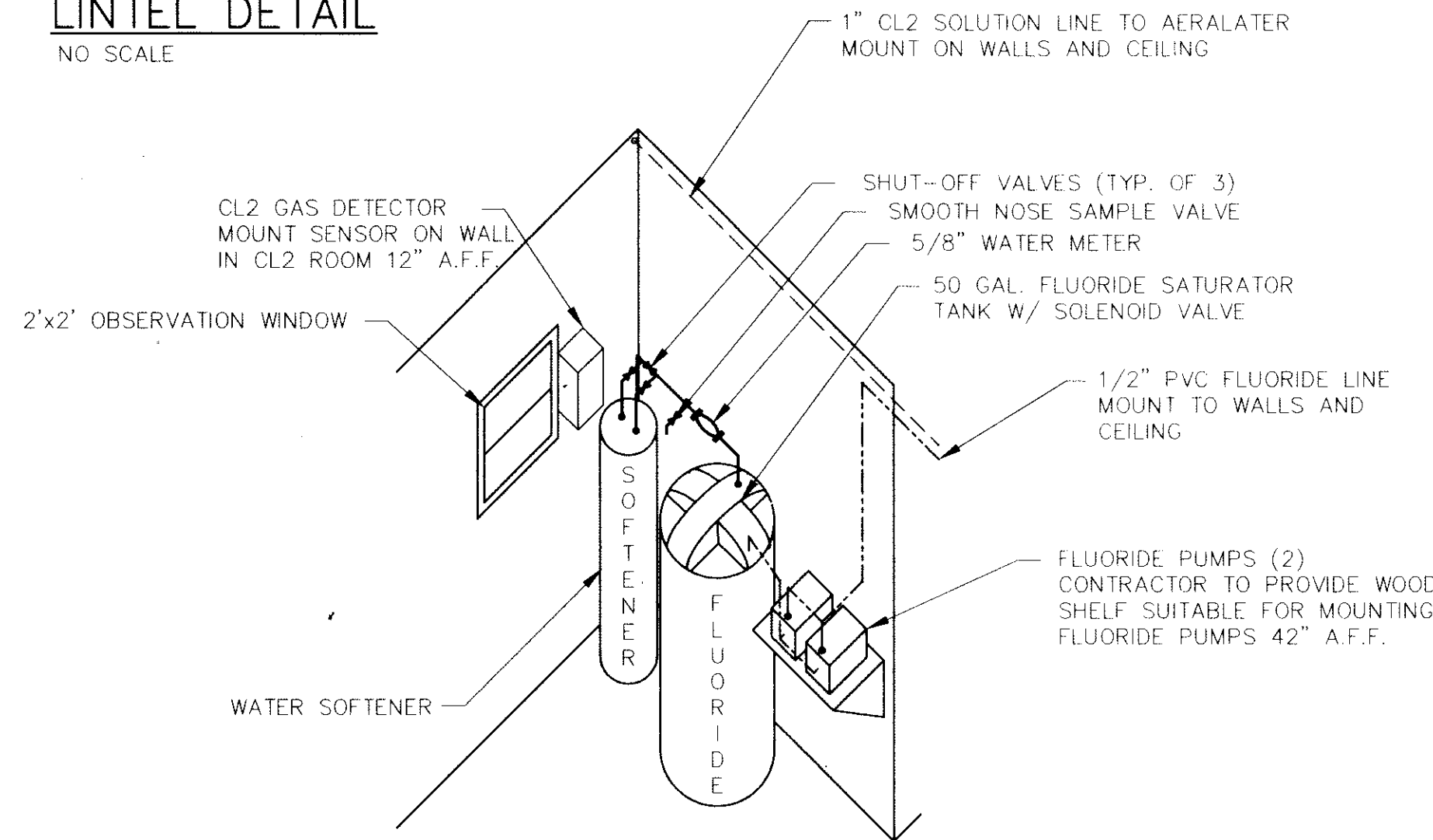


FRAME & DOOR ELEVATIONS
SCALE: 3/8" = 1'-0"

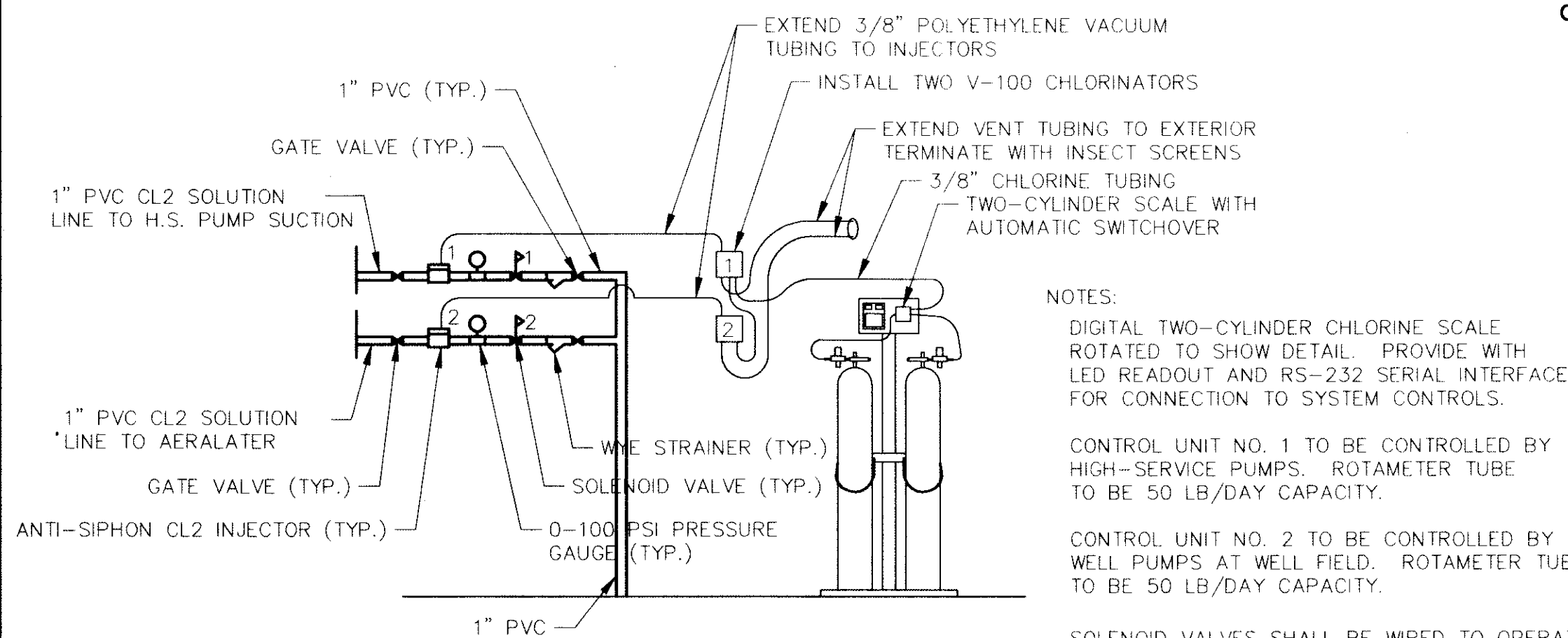


THRESHOLD DETAIL
NO SCALE

LINTEL DETAIL
NO SCALE



CHEMICAL FEED EQUIPMENT ISOMETRIC
NO SCALE



CHLORINATORS DETAIL
NO SCALE

DOOR NOTES

- ALL LOCKS KEYED ALIKE.
- ALL DOORS AND FRAMES TO BE BONDERIZED WITH ONE COAT BAKED-ON PRIME ENAMEL.
- THRESHOLDS AND WEATHERSTRIPPING TO BE INSTALLED ON ALL EXTERIOR DOORS.
- FILL ALL DOOR FRAMES WITH GROUT.
- LAMINATED GLASS WINDOWS IN EXTERIOR DOORS TO BE PPG WATCHGUARD OR APPROVED EQUAL.

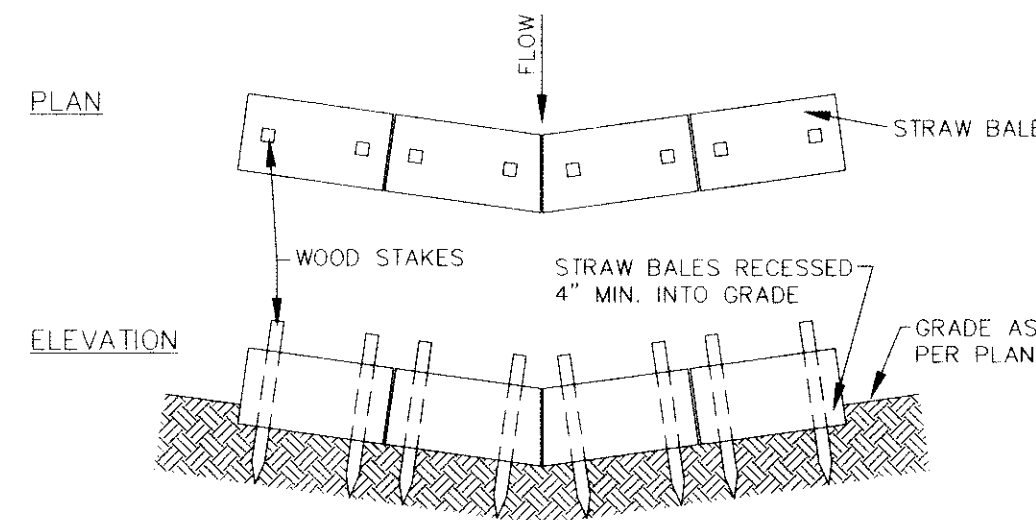
GENERAL NOTES

- ALL CONCRETE FLOORS TO BE SEALED AND PAINTED WITH WATERSEALING PAINT.
- ALL MASONRY BLOCK WALLS TO BE PAINTED.
- ALL DRYWALL TO BE PAINTED.
- ALL WALLS TO HAVE 4" VINYL BASE AT FLOOR.
- ALL WINDOWS TO BE 1" INSULATED GLASS.

EROSION CONTROL NOTES

During all phases of construction the general contractor and all sub-contractors shall exercise measures to prevent the erosion of soils due to the action of water and wind. The contractors shall use the following measures to accomplish this objective:

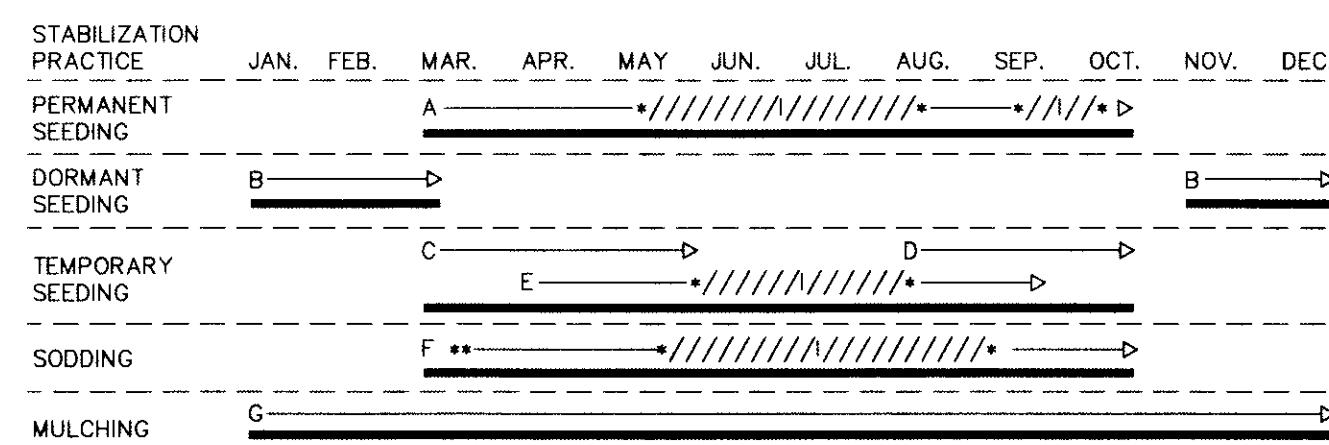
- Surface Protection**
 - Clearing shall be limited so as to expose the smallest possible area of land for the shortest possible time.
 - Exposed areas shall be immediately graded and protected with temporary or permanent cover, such as sod, seed and mulch, crowfoot, lespedeza or creeper. Newly graded channels or steep slopes will require the use of fibrous matting, netting of seeded and mulched areas, or the staking or shingling of sod while vegetation is becoming established.
- Run-off Control**
 - Long and/or steep slopes will require contour benching and furrowing, or berms to reduce run-off velocities.
- Sediment Trapping**
 - The trapping of eroded particles will be accomplished by the diversion of run-off to sediment basins, excavation traps, berms, staked hay bales, or floating silt curtains.
 - Trapping devices shall be periodically inspected during dry periods and after each rainfall event by the site contractor. Trapping devices shall be replaced if determined to be incapable of performing intended function of sediment trapping.
 - Trapping devices shall remain in place until a vegetative cover has established sufficiently to stabilize the soils and prevent erosion.
- Soil Moisture**
 - The contractor shall have available on the construction site a water source capable of applying water to dry exposed soil in order to prevent wind erosion. The application rate and manner shall be such that soil moisture is attained and no surface run-off is created.
- Responsibility**
 - The contractor shall be held responsible until the Certificate of Completion is issued.



STRAW BALE FILTER DETAIL
NOT TO SCALE

- STRAW BALE FILTER NOTES:
- ALL BALES SHOULD BE EITHER WIRE-BOUND OR STRING-TIED. STRAW BALES SHOULD BE INSTALLED SO THAT BINDINGS ARE ORIENTED AROUND THE SIDES RATHER THAN ALONG THE TOPS AND BOTTOMS OF THE BALES (IN ORDER TO PREVENT DETERIORATION OF THE BINDINGS).
 - THE BARRIER SHOULD BE ENTRENCHED AND BACKFILLED. A TRENCH SHOULD BE EXCAVATED THE WIDTH OF A BALE AND THE LENGTH OF THE PROPOSED BARRIER TO A MINIMUM DEPTH OF 4 INCHES. AFTER THE BALES ARE STAKED AND CHINKED, THE EXCAVATED SOIL SHOULD BE BACKFILLED AGAINST THE BARRIER. BACKFILL SOIL SHOULD CONFORM TO THE GROUND LEVEL ON THE DOWNHILL SIDE AND SHOULD BE BUILT UP TO 4 INCHES AGAINST THE UPHILL SIDE OF THE BARRIER.
 - EACH BALE SHOULD BE SECURELY ANCHORED BY AT LEAST TWO STAKES OF WOOD OR STEEL DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHOULD BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE TO FORCE THE BALES TOGETHER. STAKES SHOULD BE DRIVEN DEEP ENOUGH INTO THE GROUND TO SECURELY ANCHOR THE BALES.
 - THE GAPS BETWEEN BALES SHOULD BE CHINKED (FILLED BY WEDGING) WITH STRAW TO PREVENT WATER FROM ESCAPING BETWEEN THE BALES.
 - INSPECTION SHOULD BE FREQUENT AND REPAIR OR REPLACEMENT SHOULD BE MADE PROMPTLY AS NEEDED.
 - STRAW BALE BARRIERS SHOULD BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS, BUT NOT BEFORE THE UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED.
 - IN SHEET FLOW APPLICATIONS, BALES SHOULD BE PLACED IN A SINGLE ROW, LENGTHWISE ON THE CONTOUR, WITH ENDS OF ADJACENT BALES TIGHTLY ABUTTING ONE ANOTHER.
 - IN CHANNEL FLOW APPLICATIONS, BALES SHOULD BE PLACED IN A SINGLE ROW, LENGTHWISE, ORIENTED PERPENDICULAR TO THE CONTOUR, WITH ENDS OF ADJACENT BALES TIGHTLY ABUTTING ONE ANOTHER. THE BARRIER SHOULD BE EXTENDED TO SUCH A LENGTH THAT THE BOTTOMS OF THE END BALES ARE HIGHER IN ELEVATION THAN THE TOP OF THE LOWEST MIDDLE BALE TO ASSURE THAT SEDIMENT LADEN RUNOFF WILL BE TRAPPED.

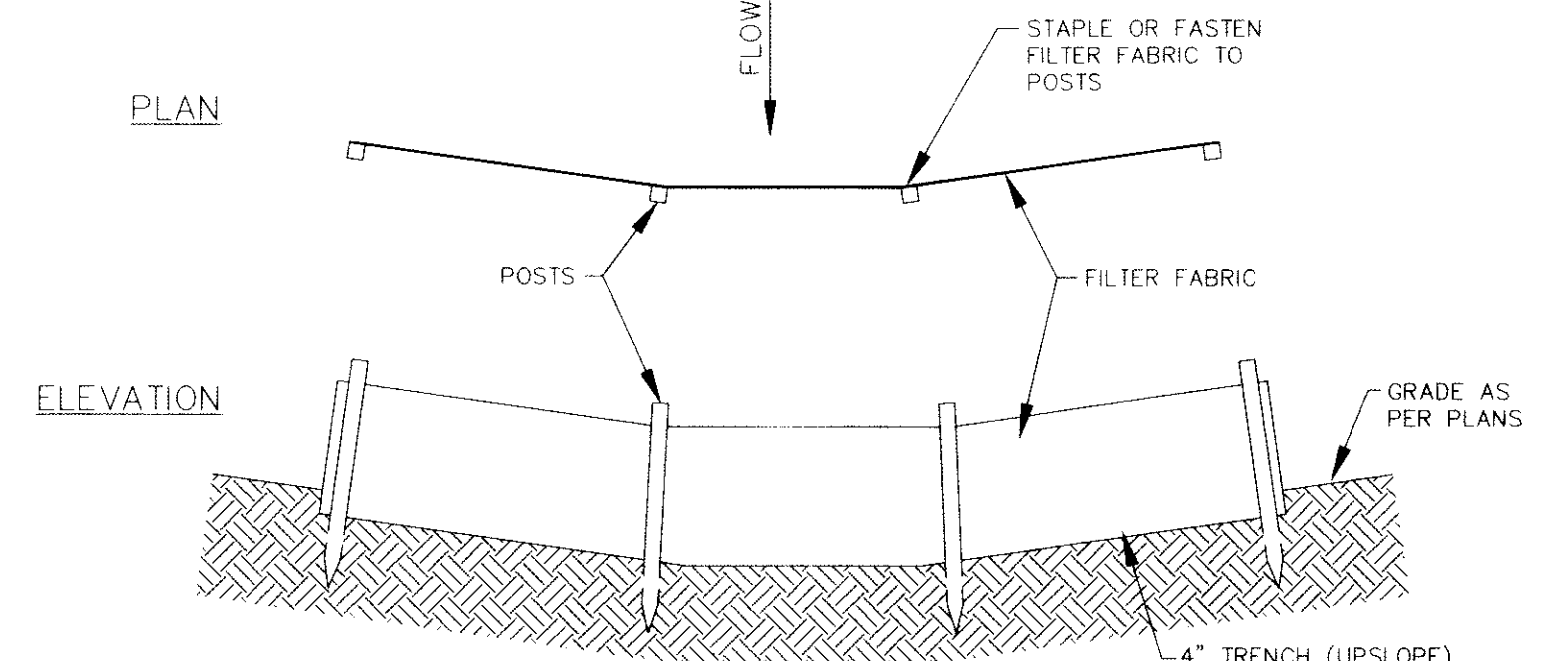
SEASONAL SOIL PROTECTION CHART



- A = KENTUCKY BLUEGRASS 40 LBS./ACRE; CREEPING RED FESCUE 40 LBS./ACRE; PLUS 2 TONS STRAW MULCH/ACRE, OR ADD ANNUAL RYEGRASS 20 LBS./ACRE.
- B = KENTUCKY BLUEGRASS 60 LBS./ACRE; CREEPING RED FESCUE 60 LBS./ACRE; PLUS 2 TONS STRAW MULCH/ACRE, OR ADD ANNUAL RYEGRASS 30 LBS./ACRE.
- C = SPRING OATS 3 BUSHEL/ACRE
- D = WHEAT OR RYE 2 BUSHEL/ACRE
- E = ANNUAL RYEGRASS 40 LBS./ACRE. (1 LB/1000 SQ. FT.)
- F = SOD
- G = STRAW MULCH 2 TONS/ACRE
- /•/• IRRIGATION NEEDED DURING JUNE, JULY, AND/OR SEPTEMBER.
- IRRIGATION NEEDED FOR 2 TO 3 WEEKS AFTER APPLYING SOD.

RECORD DRAWINGS
THESE DRAWINGS HAVE BEEN PREPARED FROM INFORMATION BY OTHERS. ENGINEER WILL NOT BE RESPONSIBLE FOR ERRORS AND OMISSIONS IN THE INFORMATION OR RECORDS FROM WHICH THESE DRAWINGS ARE PRODUCED.

DOOR & FRAME SCHEDULE													
OPENING NUMBER	DOOR					FRAME			LINTEL TYPE	HARDWARE			REMARKS
	MATERIAL	ELEV.	SIZE			ELEV.	OPENING			LOCK	PANIC	THRESH	
			WIDTH	HEIGHT	THICK.		WIDTH	HEIGHT					
101	METAL	C	3'-0"	7'-0"	1 3/4"	B	6'-8"	7'-4"	1	MORTISE LOCK US22D	YES	TYPE 1	24" x 30" x 1/4" SAFETY GLASS LITE
102	METAL	D	3'-0"	7'-0"	1 3/4"	A	3'-4"	7'-4"	1	MORTISE LOCK US22D	YES	TYPE 1	
103	METAL	E	2'-8"	7'-0"	1 3/4"	A	2'-8"	7'-4"	1	NONE	NO	NONE	24"x24" LOUVER
104	METAL	D	2'-8"	7'-0"	1 3/4"	A	2'-8"	7'-4"	1	NONE	NO	NONE	
105	METAL	E	2'-8"	7'-0"	1 3/4"	A	2'-8"	7'-4"	1	NONE	NO	NONE	24"x24" LOUVER



FILTER FENCE DETAIL
NOT TO SCALE

- FILTER FENCE NOTES:
- SYNTHETIC FILTER FABRIC SHOULD BE A PERVIOUS SHEET OF PROPYLENE, NYLON, POLYESTER OR ETHYLENE YARN AND SHOULD BE CERTIFIED BY THE MANUFACTURER OR SUPPLIER AS CONFORMING TO THE FOLLOWING REQUIREMENTS:
TENSILE STRENGTH AT : 75% (MIN.)
EXTRA STRENGTH - 50 LBS./LIN. IN. (MIN.)
20% (MAX.) ELONGATION : STANDARD STRENGTH - 30 LBS./LIN. IN.
FLOW RATE : 0.3 GAL./SQ. FT./MIN. (MIN.)
 - BURLAP SHOULD BE 10 OUNCE PER SQUARE YARD FABRIC.
 - POSTS FOR FILTER FENCES SHOULD BE EITHER 4-INCH DIAMETER WOOD OR 1.33 POUNDS PER LINEAR FOOT STEEL WITH A MINIMUM LENGTH OF 5 FEET. STEEL POSTS SHOULD HAVE PROJECTIONS FOR FASTENING WIRE TO THEM.
 - STAKES FOR FILTER FENCES SHOULD BE 1" x 2" WOOD (PREFERRED) OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3 FEET.
 - WIRE FENCE REINFORCEMENT FOR SILT FENCES USING STANDARD STRENGTH FILTER CLOTH SHOULD BE A MINIMUM OF 42 INCHES IN HEIGHT, A MINIMUM OF 14 GAUGE AND SHOULD HAVE A MAXIMUM MESH SPACING OF 6 INCHES.
 - THE HEIGHT OF THE BARRIER SHOULD NOT EXCEED 36 INCHES.
 - THE FABRIC SHOULD BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHOULD BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP, AND SECURELY SEALED.
 - POSTS SHOULD BE SPACED A MAXIMUM OF 10 FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 12 INCHES). WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6 FEET.
 - A TRENCH SHOULD BE EXCAVATED APPROXIMATELY 4 INCHES WIDE AND 4 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.
 - WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHOULD BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY 1 INCH WIRE STAPLES, TIE WIRES OR HOG RINGS. THE WIRE SHOULD EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES AND SHOULD NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
 - THE STANDARD STRENGTH FILTER FABRIC SHOULD BE STAPLED OR WIED TO THE FENCE, AND 8 INCHES OF THE FABRIC SHOULD BE EXTENDED INTO THE TRENCH. THE FABRIC SHOULD NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHOULD NOT BE STAPLED TO EXISTING TREES.
 - WHEN EXTRA STRENGTH FILTER FABRIC OR BURLAP AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIED DIRECTLY TO THE POSTS WITH ALL OTHER PROVISIONS OF ITEM NO. 11 APPLYING.
 - THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER FABRIC.
 - FILTER BARRIERS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
 - IF THE BARRIER SHOULD BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHOULD BE MADE IMMEDIATELY.
 - SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHOULD BE REPLACED PROMPTLY.
 - SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY HALF THE HEIGHT OF THE BARRIER.
 - ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHOULD BE DRESSED TO CONFORM WITH THE PROPOSED FINISHED GRADE.

CONTRACT "B"
WELLS AND TREATMENT FACILITIES
SCHEDULES AND DETAILS
ELROD WATER COMPANY, INC.
DIVISION "E"
WATERWORKS SYSTEM IMPROVEMENTS

M.D. WESSLER and ASSOCIATES
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SCALE: AS SHOWN
DATE: OCT. 14, 1993
PROJECT NO.: 37391.04
DRAWN BY: M.A.W.
APPROVED BY: D.G.C.
PLOTTED: 4/12/94
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STATE OF INDIANA

SHEET B18
OF 19