

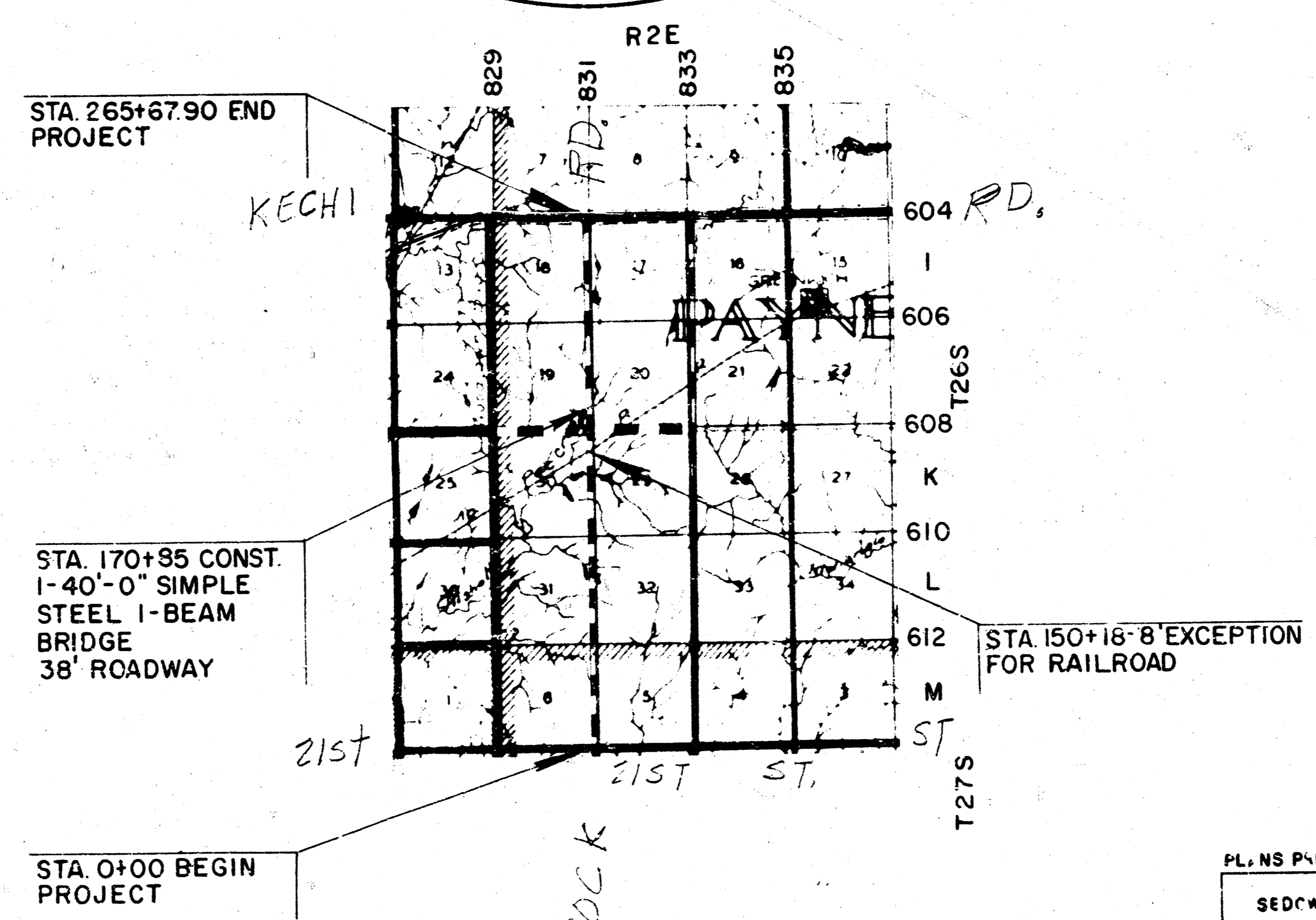
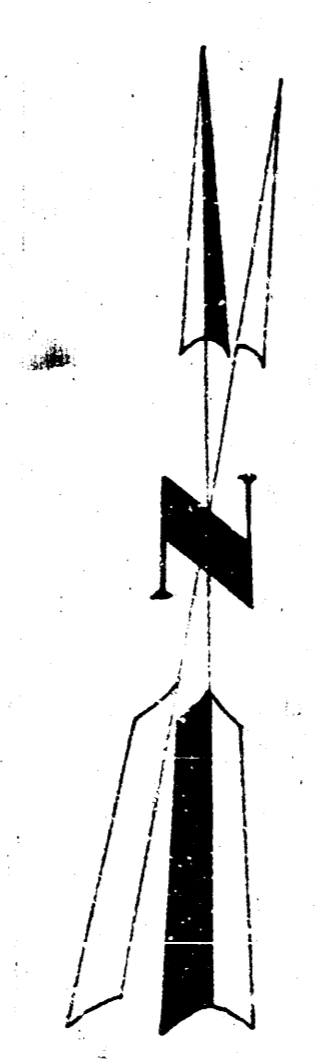
*Phil Dietrich  
268-7491*



**INDEX OF SHEETS**

SHEET NO.	TITLE SHEET
2	TYPICAL GRADING SECTIONS
3-7	PLAN AND PROFILE
8	TRAFFIC CONTROL DEVICES
9	SUMMARY OF QUANTITIES
10-39	CROSS SECTIONS

### GRADING & CULVERTS



*Rack Road -  
21st St. to Kechi Rd.*

**CONVENTIONAL SIGNS**

WIRE FENCE	
HEDGE ROW	
RAILROADS	
SURVEY LINE	
RIGHT OF WAY	
TELEPHONE POLE	
POWER POLE	
TOWNSHIP LINE	

NET LENGTH OF PROJECT	FT.	MILES
NET LENGTH OF BRIDGES	40 FT.	.00758 MILES
NET LENGTH OF ROAD	26,939 FT.	5.01778 MILES
EXCEPTIONS	34 FT.	.00643 MILES
ADDITIONS	FT.	MILES
GROSS LENGTH OF PROJECT	26,979 FT.	5.03179 MILES

PLANS PREPARED BY

SEDGWICK COUNTY HIGHWAY DEPT.

WICHITA, KANSAS

DATE

APPROVED \_\_\_\_\_ DATE \_\_\_\_\_

CHAIRMAN  
BOARD OF COUNTY COMMISSIONERS

FILED

FILED IN THE OFFICE OF  
THE SEDGWICK COUNTY CLERK

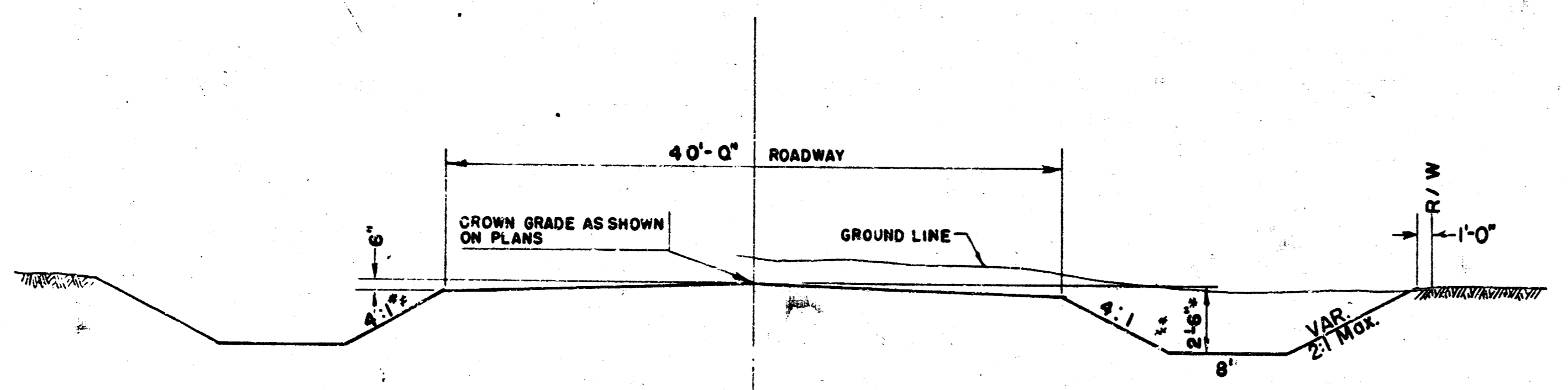
COUNTY CLERK \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED \_\_\_\_\_

COUNTY ENGINEER \_\_\_\_\_

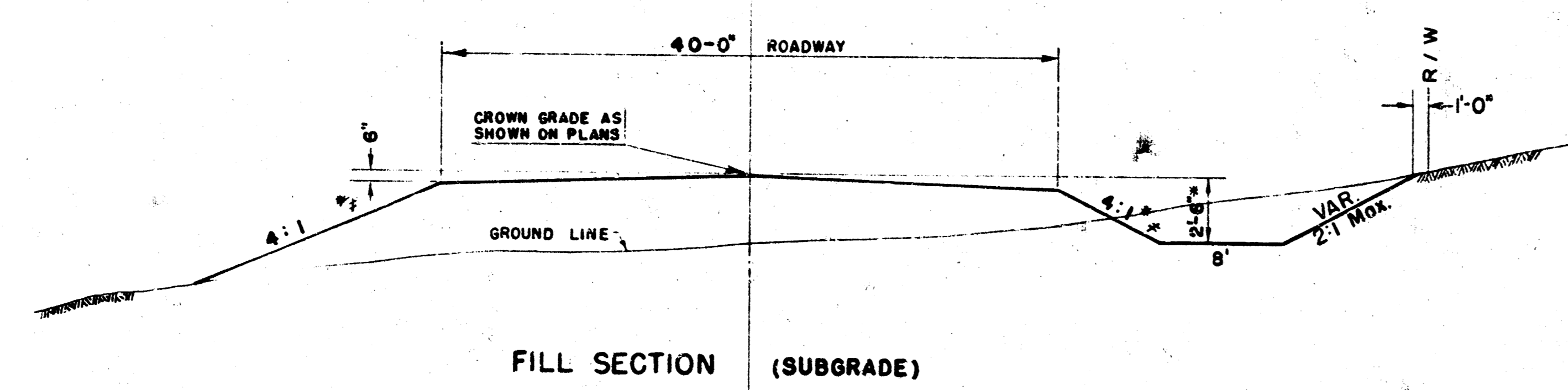
DATE \_\_\_\_\_

OFFICIAL \_\_\_\_\_

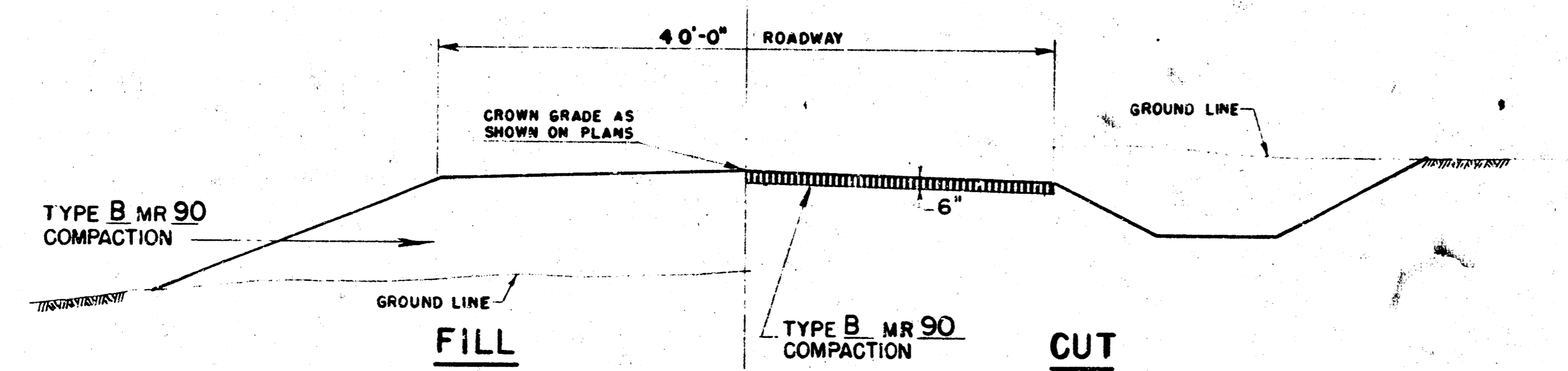


**CUT SECTION (SUBGRADE)**

NOTE:  
 \*Dimensions shown are for typical roadway. Variations of slope and/or ditch depths to be shown on cross sections. Slope corners may be rounded for a more pleasing appearance.  
 † For 2:1 slopes widen roadway 2'-0" for installation of guard rail.

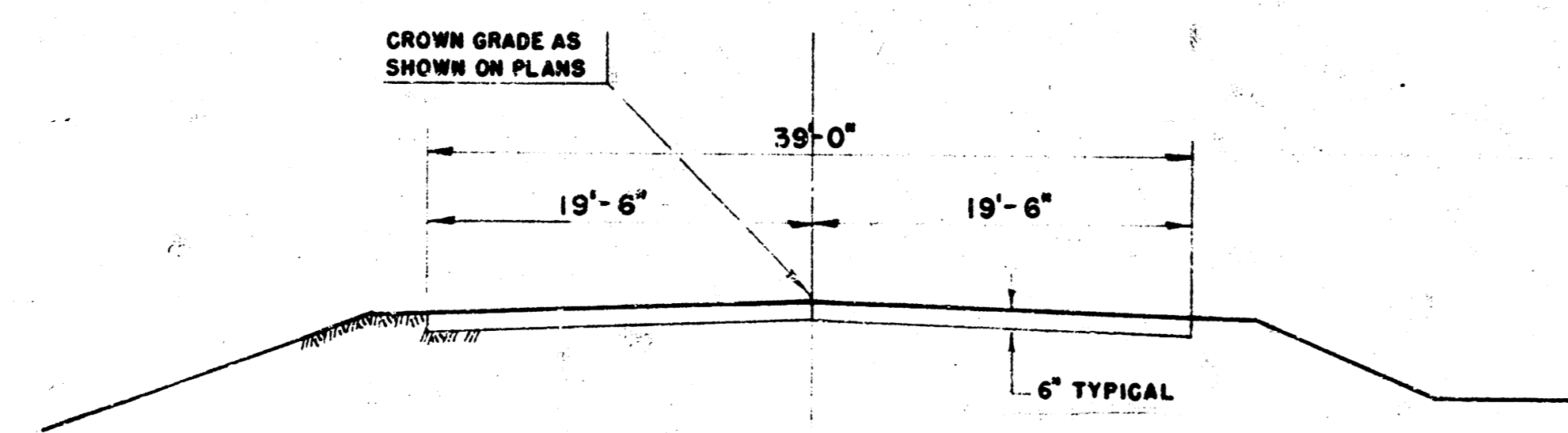


**FILL SECTION (SUBGRADE)**



NOTE: All embankments shall be compacted except entrances, ditch plugs, waste berms

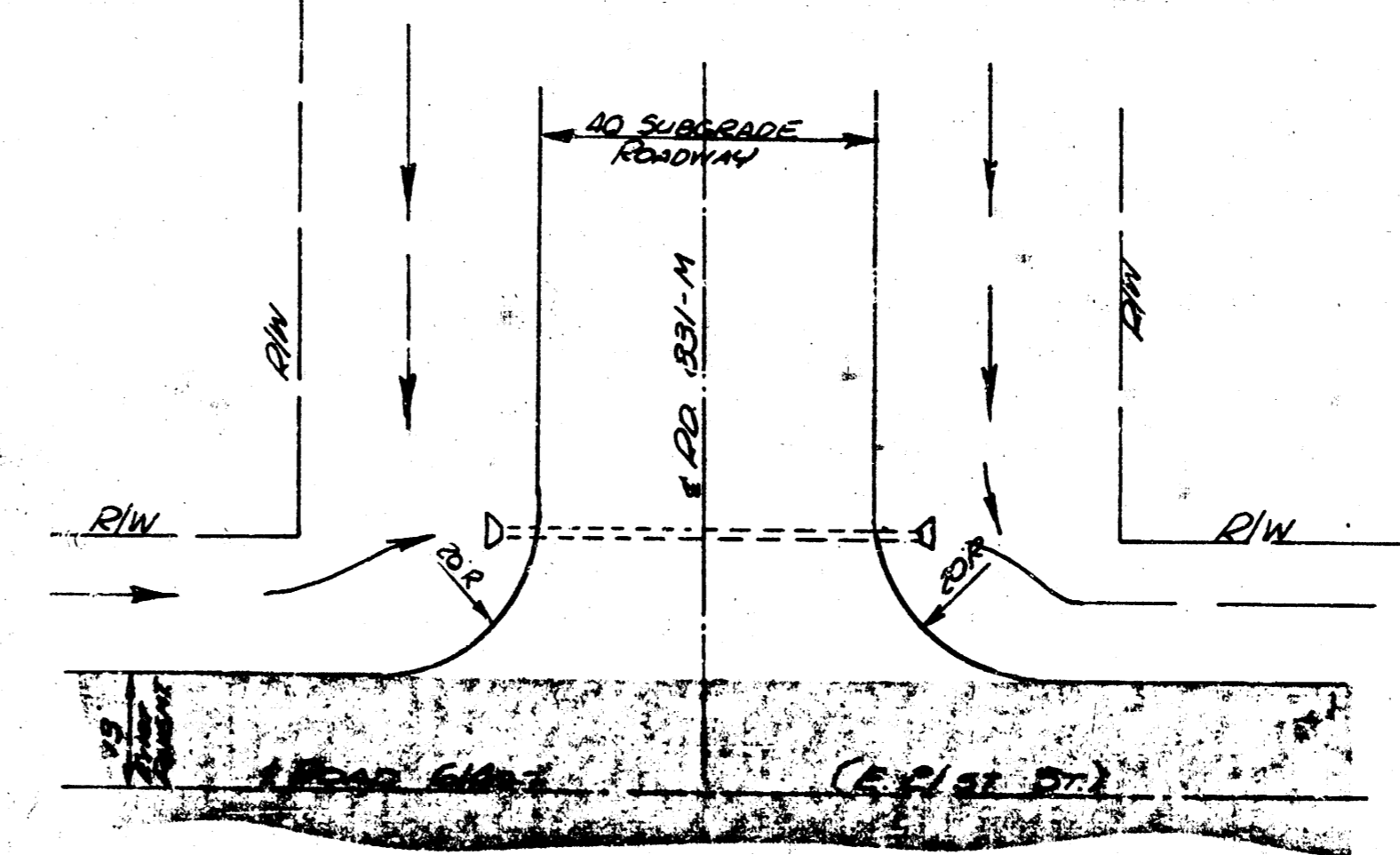
**COMPACTION OF EARTHWORK**



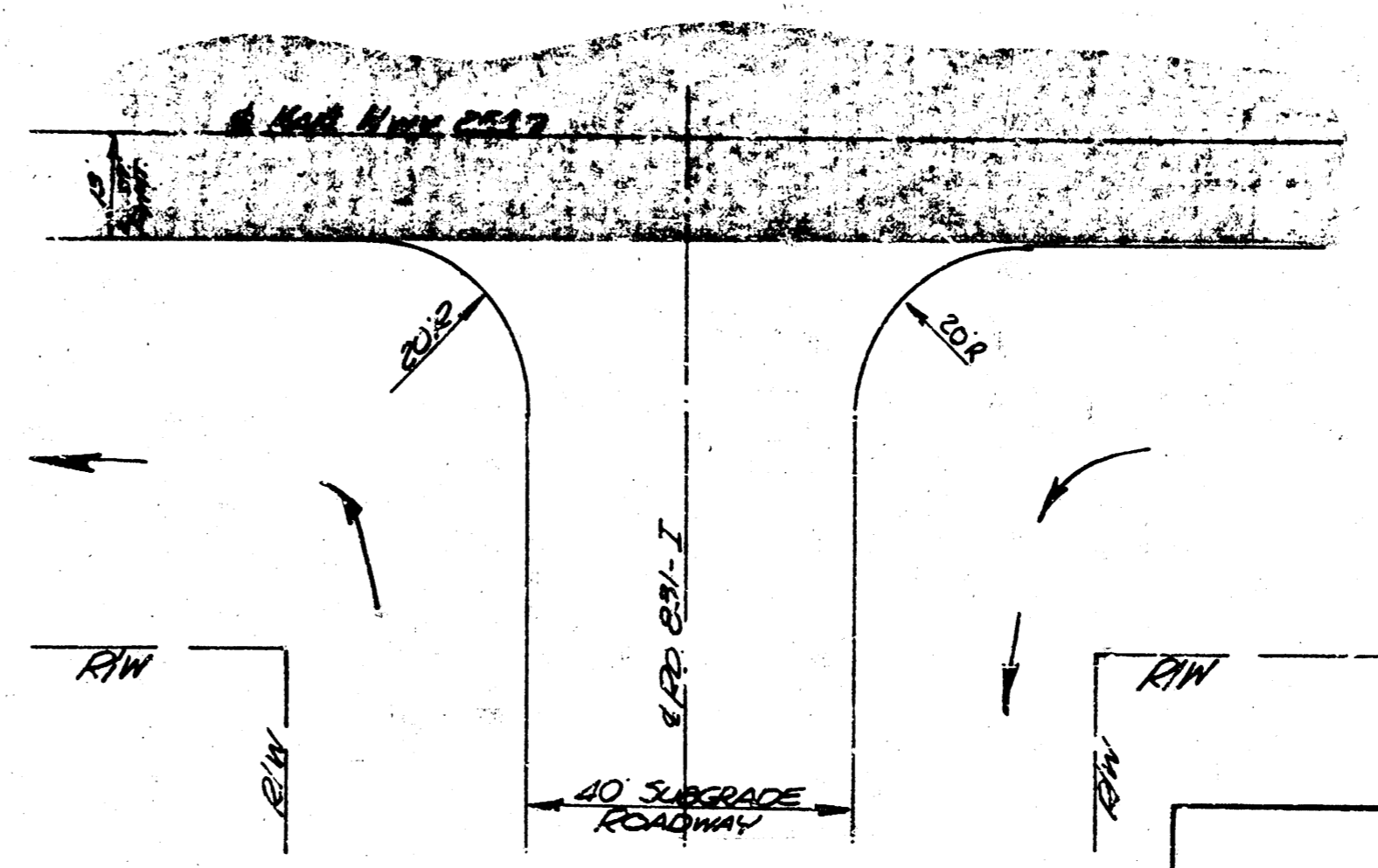
**TYPICAL SECTION: LIME TREATMENT OF THE SUBGRADE (MANIPULATION & COMPACTION)**

**GENERAL NOTES**

All easement, channel change, borrow pit locations and additional right of way to be furnished by Sedgwick County.  
 All encroachments such as fences, buildings, telephone and power lines, shall be moved beyond the limits of construction by their owners or by the County, unless otherwise noted on the plans.  
 In the interest of public safety, all gas, oil, and water lines shall beyond the limits of the roadbed by owners, unless provision for their retention has been made. Operational devices for any and all lines which are permitted to remain in place shall be adjusted to conform with lines and grades of proposed improvements.  
 The stations shown for all drainage structures are to be considered as only approximate and it shall be the responsibility of the project engineer to place all structures in locations that fit the natural drainage conditions.  
 All salvagable culverts to be removed shall be removed by the contractor and stacked on the right of way to be hauled away by Sedgwick County.



**INTERSECTION DETAILS: Rd 614 & Rd 831**



**INTERSECTION DETAILS: Rd 831 & Hwy K-254**

**TYPICAL GRADING SECTIONS**

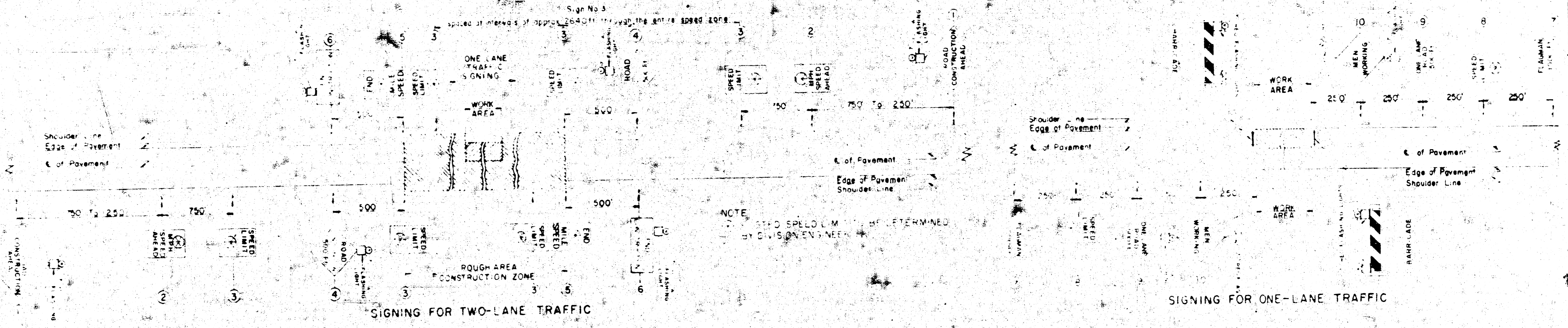
PREPARED BY  
**SEDGWICK COUNTY ENGINEERING DEPT.**  
 - COUNTY ENGINEER

REVISED	SCALE	DESIGNED	TRACED	CHECKED	SHEET NO.
	NONE	DIETRICH	DIETRICH	MANION	
	DATE				
	PLANFILE		TOTAL SHEETS		

**TRAFFIC CONTROL SIGNING**  
FOR TRAFFIC MOVEMENT THROUGH CONSTRUCTION

Note: Road to remain open to through traffic whenever possible; Contractor will abide by County Engineers Decision for any exceptions thereof.  
Access route to be provided at all times for local traffic.

8 39



NOTE: ON PORTIONS OF THE PROJECT WHERE NO WORK HAS STARTED OR WHERE WORK IS COMPLETED, NO SPECIAL SIGNING (OTHER THAN NORMALLY USED) IS NEEDED  
(All signs shall conform to the MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS IN KANSAS, Dated June 1, 1962)

**GENERAL NOTES**

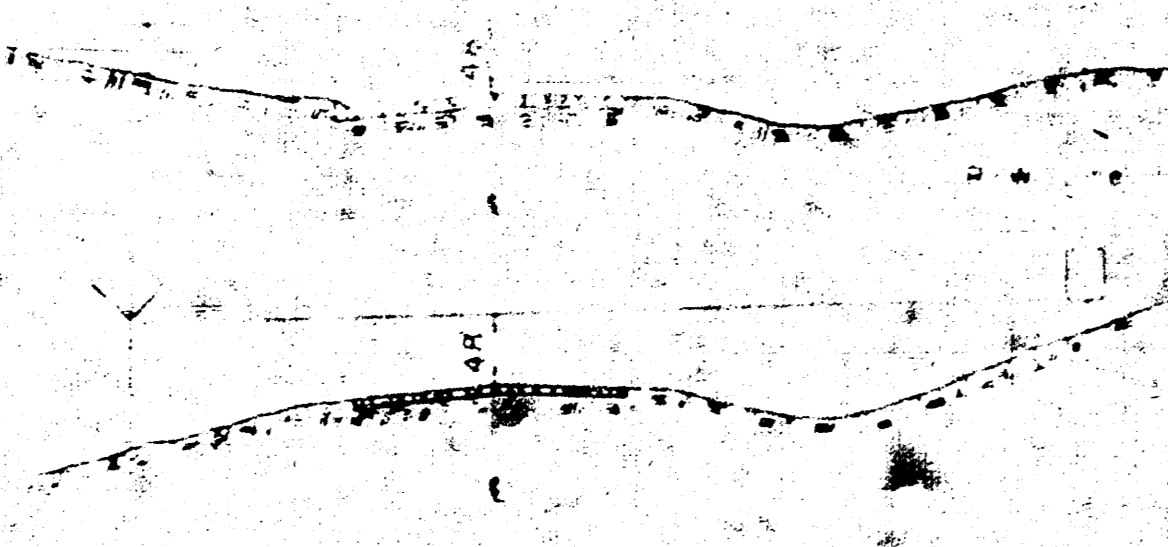
SIGNING FOR TWO-LANE TRAFFIC is to be used to protect traffic in that part of the project under construction.  
SIGNING FOR ONE-LANE TRAFFIC is to be used in addition to "Signing for Two-Lane Traffic" at locations where traffic is limited to one lane (concrete patching, finishing machines, etc.). If the only work in progress on the project limits traffic to one lane, Signs No. 1, 2, and 6 shall be used in addition to signs for one-lane traffic. FLAGMEN SHALL BE USED at one-lane traffic locations.  
SIGNS NO. 1, 4, 8, 9 shall have a reflectorized Highway Yellow Background with opaque black legend and border.  
SIGNS NO. 7, 8, 10 shall have a plain painted Highway Yellow or Orange Background with opaque black legend and border.  
SIGNS NO. 2, 3, 5, 6, 8 shall have a reflectorized White Background with opaque black legend and border.  
SIGNING DETAILS FOR TWO-LANE TRAFFIC:  
Sign No. 1, 4, 8, 9: 48" x 48" reflectorized sign, legend "ROAD CONSTRUCTION AHEAD".

**CONSTRUCTION AHEAD** is to be erected 1,500 feet to 2,000 feet in advance of each end of construction work, depending on the terrain, and is to be moved ahead as work progresses. A yellow flashing warning light shall be maintained on top of this sign at night.  
Sign No. 2, R2: 24" x 36" reflectorized sign, legend "MPH SPEED AHEAD" is to be erected 750 feet in advance of the beginning of the speed zone, and is to be moved ahead as work progresses.  
Sign No. 3, R2: 24" x 30" reflectorized sign, legend "SPEED LIMIT" is to be erected at the beginning of the speed zone and at intervals of approximately 2,640 feet through the entire speed zone, and is to be moved or removed as work progresses. Higher or lower speed limits should be used as conditions warrant.  
Sign No. 5, W20-10: 48" x 48" reflectorized sign, legend "ROAD CONSTRUCTION" is to be erected 500 feet in advance of the beginning of all rough areas, and is to be moved or removed when rough areas change locations or conditions. A yellow flashing warning light shall be maintained on top of this sign at night.

Sign No. 5, R2-6: 24" x 30" reflectorized sign, legend "END MILE SPEED" is to be erected at the end of the construction zone, and is to be moved as work progresses.  
Sign No. 6, G20-2: 50" x 24" reflectorized sign, legend "END CONSTRUCTION" is to be erected past each end of construction zone, and is to be moved as work progresses. A yellow flashing warning light shall be maintained on top of this sign at night.  
SIGNING DETAILS (For One-Lane Traffic)  
Signs No. 7, 8, 9, 10 shall be removed or advanced when work in area is open to two-lane traffic.  
Sign No. 7, W20-7: 48" x 48" plain painted sign, legend "FLAGMAN" (1000 feet) is to be erected 1000 feet in advance of the beginning of the work area whenever flagmen are used.  
Sign No. 8, R2: 24" x 30" reflectorized sign, legend "SPEED LIMIT" is to be erected 750 feet in advance of the beginning of the work area.

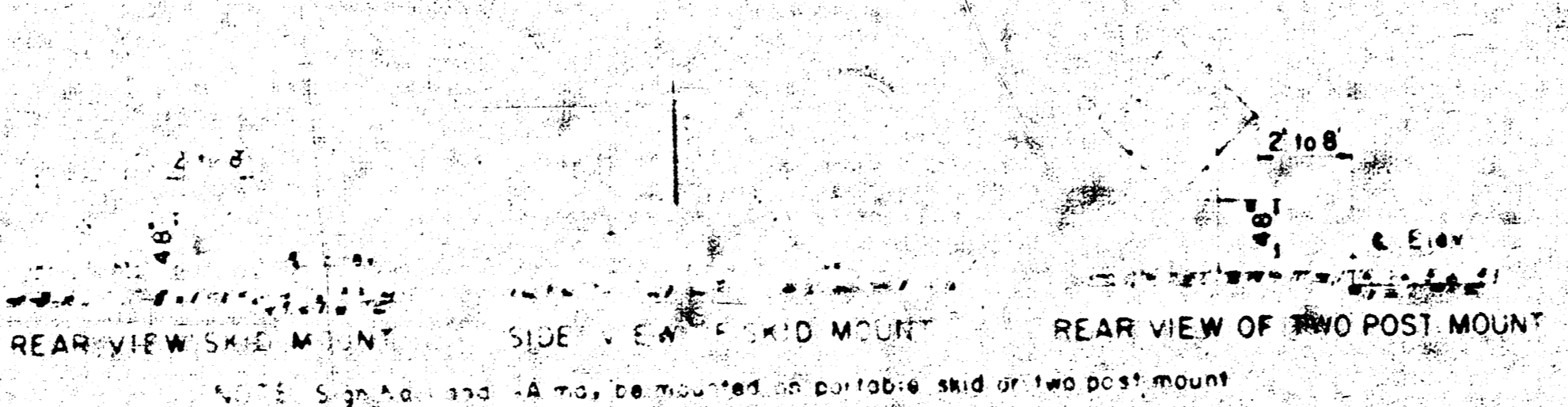
Sign No. 9, W20-4c: 48" x 48" reflectorized sign, legend "ONE LANE ROAD 500 FT" is to be erected 500 feet in advance of the beginning of the work area. A yellow flashing light shall be maintained on top of this sign at night.  
Sign No. 10, W21-1: 30" x 30" plain painted sign, legend "MEN WORKING" is to be erected 250 feet in advance of the beginning of the work area with red flags mounted on top of this sign. This sign shall be used only when men are working on foot in the work area and shall be removed when equipment only is working, and at all times when work is not in progress.  
Signs No. 7 and 10 shall be reflectorized when used at night.  
FLASHING WARNING LIGHTS used on top of signs shall have yellow lens minimum dia 7". All flashing warning lights used on barricades placed in the traveled way shall have a red lens minimum dia 7". All flashing warning lights placed on barricades over an open trench or windrow adjacent to the traveled way shall have two yellow lenses minimum dia 7", so flashing light can be seen in two directions. They shall be erected so flasher light is a minimum of 36" above top of surface edge and at 100 to 500 ft intervals as instructed by Resident Engineer. All flasher lights shall be battery operated and regulated to flash 50 to 55 times per minute. The length of dwell shall not be less than 25% on time.

**ALTERNATE LATERAL LOCATIONS FOR SIGNS & ROUTE MARKERS THAT ARE NOW IN PLACE**

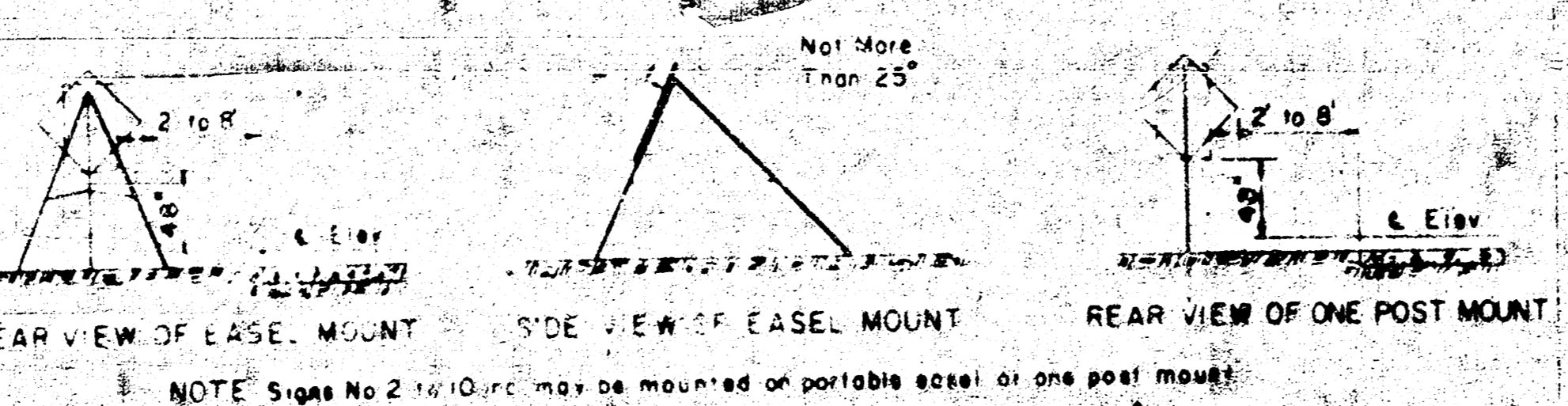


NOTES  
Signs and Markers may be erected on a portable mount, or post, at alternate locations whenever the work being performed will not permit placing the Sign or Marker at normal locations. The alternate locations for Signs and Markers shall be used only while work is in progress on the shoulder. All Signs and Markers shall be erected at their normal locations immediately after the shoulder work has been completed or when work is to be discontinued for two days or more.

**HEIGHT & LATERAL LOCATIONS FOR SIGN NO. 1, 4, 7, 8, 9**

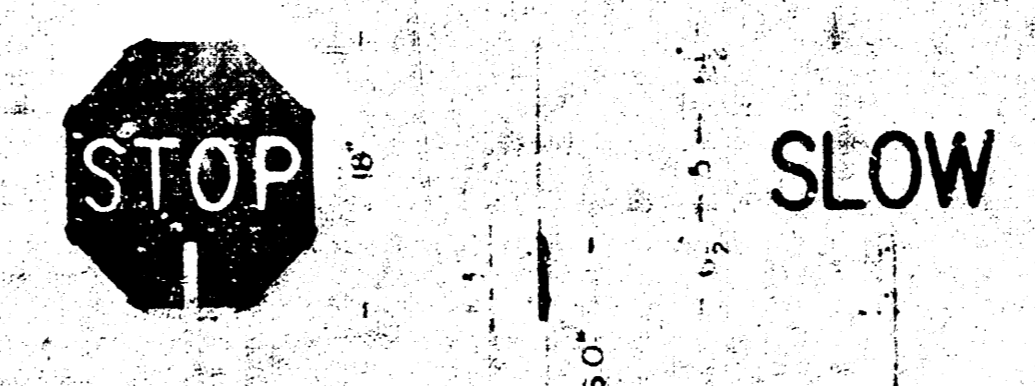


**HEIGHT & LATERAL LOCATIONS FOR SIGNS NO. 2, 3, 5, 6, 8, 10**



NOTE: Signs No. 2, 3, 5, 6, 8, 10 may be mounted on portable easel or one post mount.

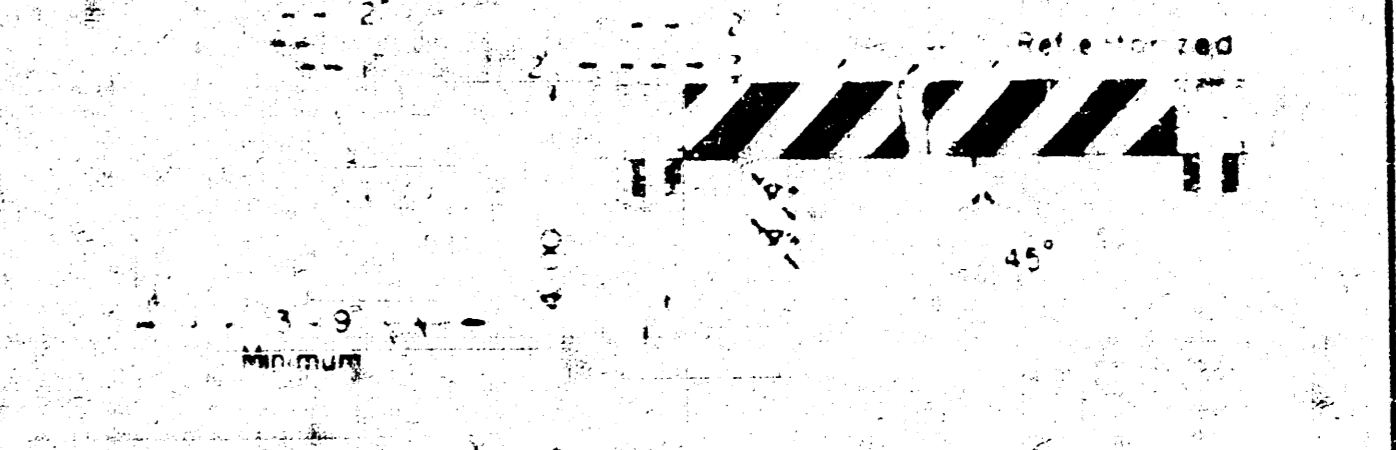
**HAND-SIGNALING SIGN**



FRONT FACE OF SIGN SIDE VIEW BACK FACE OF SIGN  
The hand signaling sign shall be made of 8 inch tempered masonite 1/8 inches in diameter, smooth on both faces, or of aluminum alloy 6061-T6 0.063 inch gage, thick, 8 inches in diameter. The handle shall be 60 inches long.  
The color on the octagonal face of the STOP side of the sign shall be Standard Signal Red, pure white letters and border. The color of the SLOW face of the sign shall be Highway Yellow, black letters. The stroke shall be series "D" Standard Alphabet for highway signs, with a 25/32 width stroke.  
This sign to be reflectorized when used at night.

**DETAILS FOR CONSTRUCTION OF PORTABLE BARRICADE**

NOTE: Other approved barricades may be used.



The beams 2' x 8' x 1/4" S4S lumber and shall have alternate white and black 45° diagonal stripes on both sides. The white stripes on all barricades shall be reflectorized white and black stripes shall be painted black. The spacers are 2' x 4" rough lumber, plain painted white.

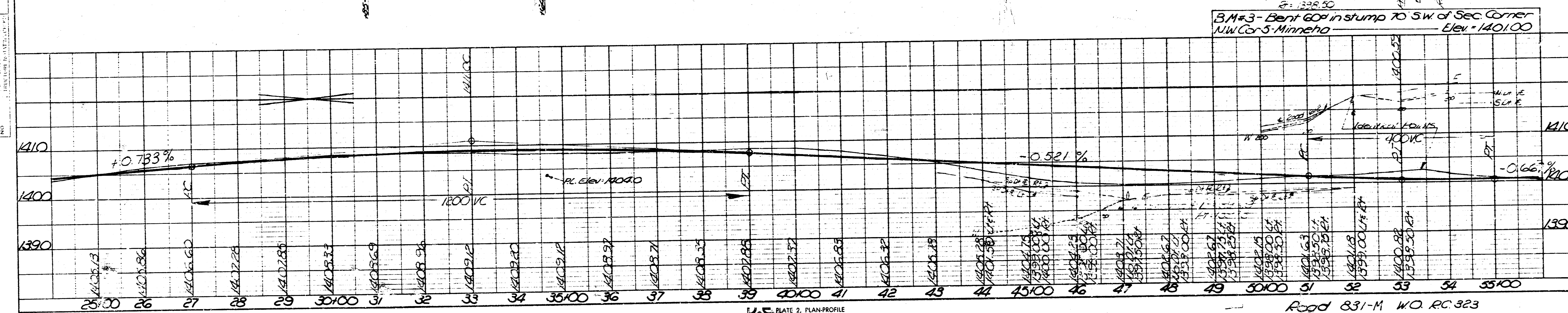
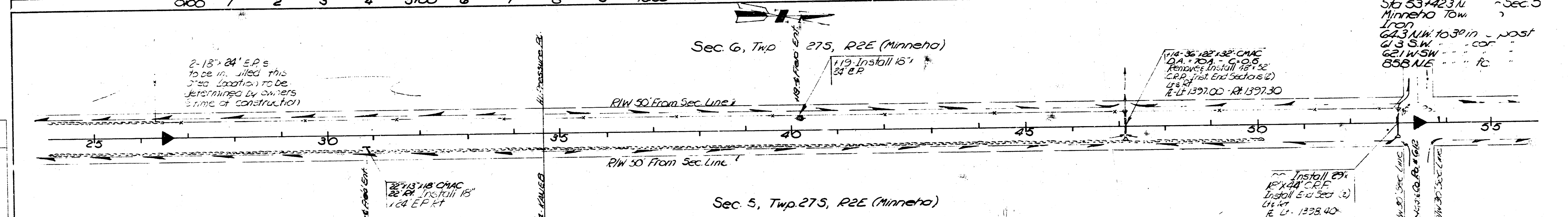
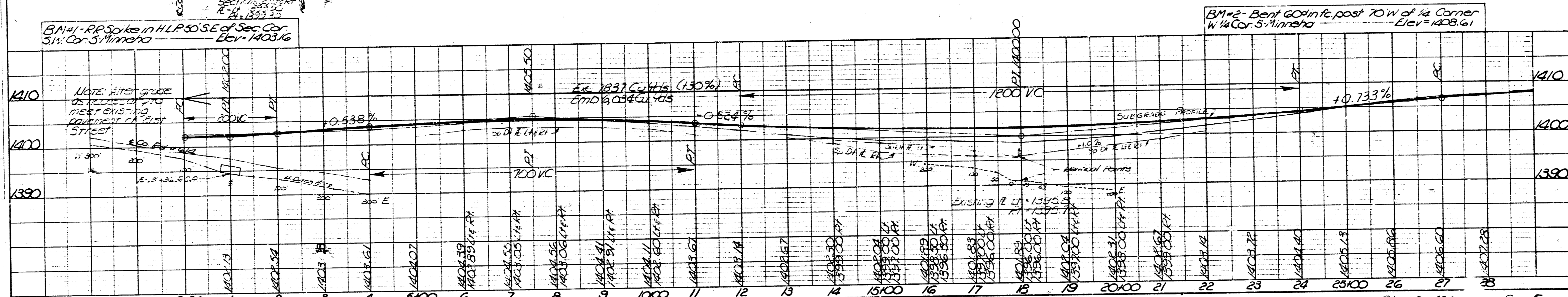
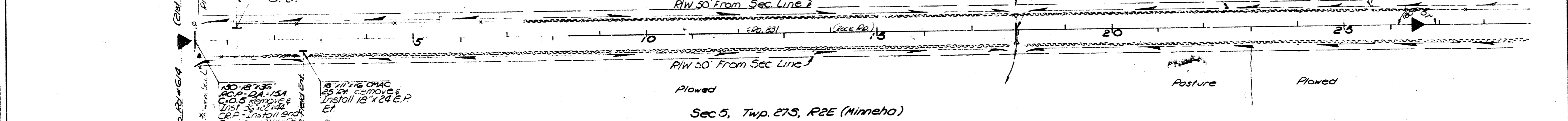
STATE HIGHWAY COMMISSION OF KANSAS  
**CONSTRUCTION TRAFFIC CONTROL DEVICES & LOCATION**  
STD NO. 745.2 REVISED MAY 3, 1965  
DESIGNED BY J.F.B. CHECKED BY J.F.B. DRAWN BY J.F.B. DATE OF ISSUE 5/3/65



Sta. 0+00 - SW Cor. Sec. 5  
 Minneha Township  
 77th St  
 131.0 SE to 3rd in cor. post  
 22.9 SW - " - " on steel cor. post  
 28.5 E - " - " line of HLPs - S  
 300 S - " - " - " - " - " E

Sec. 6, Twp. 27S, R2E (Minneha)  
 Design Speed: 60 MPH  
 Traffic Count: 102 Vehicles Per Day

Sta. 26+50 NW Cor. Sec. 533  
 Minneha Township  
 170' 0" Pipe  
 78.6 N 51° W to 60' in R.C. post  
 130.3 to line of R.C. west



PLAN  
 SHEET NO. 1  
 DATE: 12/1/11  
 DRAWN BY: J. J. [unreadable]  
 CHECKED BY: [unreadable]  
 PROJECT: [unreadable]

PROFILE  
 SHEET NO. 1  
 DATE: 12/1/11  
 DRAWN BY: J. J. [unreadable]  
 CHECKED BY: [unreadable]  
 PROJECT: [unreadable]



PLAN  
 SHEET NO. 831-K  
 PROJECT NO. 100-100-100-100  
 DATE: 10/1/2010

PROFILE  
 SHEET NO. 831-K  
 PROJECT NO. 100-100-100-100  
 DATE: 10/1/2010

