STREET IMPROVEMENT

ROCK ROAD
43RD - 45TH STS. NORTH

PROJECT NO. 472-82700

INDEX NO. 706465

CITY OF WICHITA, KANSAS

M. E. LINDEBAK - CITY ENGINEER

GENERAL NOTES:

1. UTILITY SERVICE LINES, POLES, VALVE BOXES, METERS, AND ETCETERAS ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR OR UNLESS THE PLANS SPECIFICALLY IDENTIFY A UTILITY TO BE ADJUSTED BY ITS OWNER DURING CONSTRUCTION. EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.

2. THE CONTRACTOR IS SOLELY RESPONSIBLE TO NOTIFY AND TO MAKE ANY NECESSARY ARRANGEMENTS WITH UTILITY COMPANIES FOR ANY NEEDED ADJUSTMENTS OF UTILITY FACILITIES PRIOR TO START OF WORK.

3. CONTRACTOR WILL BE REQUIRED TO PROVIDE AS MINIMUM ADVANCE NOTICE OF FORTY-EIGHT (48) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:

KANSAS ONE CALL	687-2470
SOUTHWESTERN BELL TELEPHONE COMPANY	1-316-571-2611
CABLE VISION	262-4270 OR 283-2061
KGE GAS	283-7511
KANSAS GAS & ELECTRIC	264-1141
CITY OF WICHITA WATER DEPARTMENT	268-4908
CITY OF WICHITA SEWER DEPARTMENT	268-4908
PEOPLES GAS COMPANY	942-8350 OR 283-8161
PARK DEPARTMENT FOR UTILITY LOCATION	
SUPT. OF PARK (RON HAYWORTH)	337-9225
LANDSCAPE ARCHITECT (CARISA MCMULLEN)	268-4179

4. RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND EXCAVATION WHICH IS TO BE WASTED SHALL BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR. THESE SITES SHALL BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE AND SITE LOCATION. LOCATIONS THAT, IN THE OPINION OF THE ENGINEER, WILL LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED.
ALL DISPOSAL SITES MUST BE APPROVED BY THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT. MATERIAL EITHER STOCKPILED OR DISPOSED OF IN A FLOOD PLAIN WILL REQUIRE A KANSAS STATE BOARD OF AGRICULTURE PERMIT. ANY MATERIAL DUMPED IN WATERS OF THE UNITED STATES OR WETLANDS IS SUBJECT TO U.S. CORPS. OF ENGINEERS PERMITTING REGULATIONS. ANY MATERIAL BURIED OR STOCKPILED BEYOND APPROVED CONSTRUCTION LIMITS WILL REQUIRE ADDITIONAL ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION. THE COST OF DISPOSING OF RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES, INCLUDING LOADING AND HAULING SHALL BE SUBSIDIARY TO THE OTHER BID ITEMS.

5. THERE MAY BE UNDERGROUND SPRINKLER SYSTEMS WITHIN THE LIMITS OF THIS PROJECT WHICH CONFLICT WITH THE NEW CONSTRUCTION. CONTRACTOR WILL BE REQUIRED TO REMOVE SUCH IMPROVEMENTS SHOULD THEY NOT BE REMOVED BY THEIR OWNER AT THE TIME OF CONSTRUCTION OF THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO SALVAGE ALL SPRINKLER HEADS AND/OR VALVES AND GIVE SUCH MATERIAL TO THEIR OWNER. PORTIONS OF UNDERGROUND SPRINKLER SYSTEMS NOT IN CONFLICT WITH NEW CONSTRUCTION SHALL BE PROTECTED FROM DAMAGE AND SHALL REMAIN IN PLACE. ALL WORK IN CONNECTION WITH UNDERGROUND SPRINKLER SYSTEMS SHALL BE CONSIDERED AS SUBSIDIARY TO THE CONTRACT PAY ITEMS OF WORK.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY MARKERS. THE CONTRACTOR WILL BE REQUIRED TO REESTABLISH ANY PROPERTY MARKER WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH MARKERS SHALL BE REESTABLISHED BY A LICENSED LAND SURVEYOR OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE LAWS.

7. THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF DEVELOPED PROPERTY ABUTTING THE PROJECT LIMITS A MINIMUM OF TEN (10) DAYS ADVANCE NOTICE PRIOR TO START OF CONSTRUCTION.

8. THE CONTRACTOR MUST EXAMINE THE CONSTRUCTION SITE PRIOR TO BIDDING AND BE SATISFIED AS TO THE WORK SHOWN FOR COMPLETION. AFTER BIDS HAVE BEEN RECEIVED, THE CONTRACTOR SHALL NOT ASSERT THAT THERE WAS A MISUNDERSTANDING OF THE QUANTITIES OF WORK OR OF THE NATURE OF THE WORK TO BE COMPLETED.

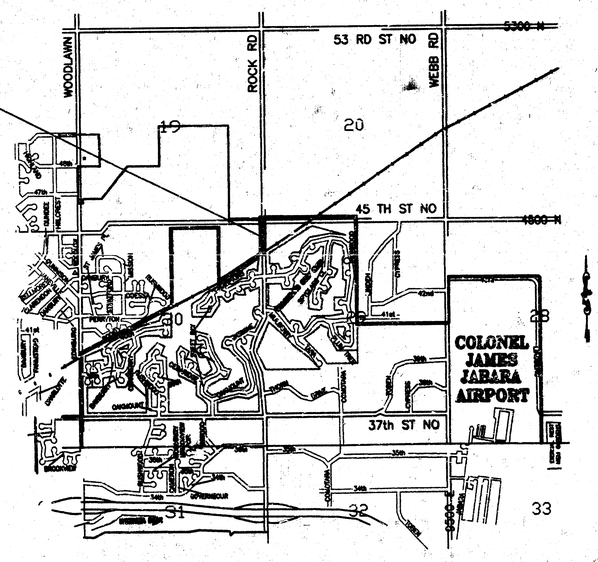
9. ALL CONSTRUCTION AND MATERIALS, UNLESS OTHERWISE NOTED, MUST COMPLY WITH CITY OF WICHITA SPECIFICATIONS AND STANDARDS.

10. THE CONTRACTOR SHALL ADJUST WATER VALVE BOXES AND FIRE HYDRANTS AS DIRECTED BY THE ENGINEER. THIS COST IS SUBSIDIARY TO OTHER BID ITEMS. THE WATER DEPARTMENT SHALL FIELD LOCATE WATER VALES ONE TIME DURING CONSTRUCTION WHEN REQUESTED BY THE CONTRACTOR. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PRESERVE SUCH FIELD LOCATIONS DURING THE CONSTRUCTION PROCESS. WATER VALVES, WATER VALVE BOXES OR FIRE HYDRANTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.

11. A SAW CUT OF AT LEAST ONE-HALF THE DEPTH OF EXISTING SURFACE COURSES OR ONE-FOURTH THE DEPTH OF THE EXISTING TOTAL PAVEMENT THICKNESS SHALL BE PROVIDED WHERE PROPOSED PAVEMENT ABUTS AN EXISTING SURFACE COURSE OR PAVEMENT REMOVAL. SAWED JOINT TO FACILITATE REMOVAL WITHIN THREE (3) FEET OF EXISTING JOINTS WILL NOT BE PERMITTED AND FOR SUCH INSTANCES THE LIMITS OF REMOVAL SHALL EXTEND TO THE EXISTING JOINT. SUCH SAW CUTS WILL NOT BE PAID FOR DIRECTLY AND THIS COST SHALL BE CONSIDERED AS SUBSIDIARY TO THE OTHER BID ITEMS.

Bishop Rankin 2/28/97

PROJECT LOCATION



NOT TO SCALE

INDEX OF SHEETS

SHEET	1	-	TITLE SHEET
SHEET	2-4	-	CONSTRUCTION PLANS

ROCK ROAD
STREET IMPROVEMENTS
TITLE SHEET
INDEX # 706465
SHEET 1 OF 4
DRAWN: D.R. DESIGN: B.R.

B.M. 204.11 CITY STD. 44' S. & 48' W. OF CENTERLINE OF 37TH NO. & ROCK RD.

B.M. 185.36 "□" CUT ON NE CORNER OF RCB APPROX. 900' N. OF W. 1/4 CORNER SEC. 29 TWP. 26 R 2 E. (B.M. USED)

T.B.M. #1 187.67 "□" CUT TOP OF CURB ON RADIUS ON S. SIDE CHAMPIONS & 16.3' W. OF EL OF ROCK RD.

T.B.M. #2 195.05 "□" N. END W. SIDE TOP OF CURB ON ROCK RD AT STA 0+00

T.B.M. #3 195.63 RR SPK. E SIDE PP @ STA 0+41, 49.3' RT.

T.B.M. #4 198.14 STEP NAIL N. SIDE PP, 34' SO. & 30' E OF CENTERLINE OF ROCK RD. & 45TH. ST NO.

SCALE 1"=20'

AREA TO BE REMOVED.

CHAMPIONS CIRCLE

STA -3+79.30

STA -2+79.74

100.00'

R/W 50'

267.44'

N 619.96
E 169.36

N 720.05
E 168.11

STA 0+00 BEGIN CONSTRUCTION

STA 0+10.00

STA 0+48.44

STA 0+93.35

STA 1+50

STA 2+00

CONSTRUCT 6" ASPH. ON 6" REINFORCED CRUSHED ROCK. MATCH EXISTING GRADES AT STA 0+00 & RR CROSSING.

+ 0.544% GRADE

REGRADE THE DITCH FROM STA 0+48.44, 60' LT TO STA 2+00, 23' LT. TO SHOWN GRADE. THIS COST IS SUBSIDIARY TO OTHER BID ITEMS.

10' TRANSITION FROM FULL TO ZERO HEIGHT CURB. THIS COST IS SUBSIDIARY TO OTHER BID ITEMS.

@ STA 0+00 SAW CUT & REMOVE EXISTING ASPH. TO TIE RR TRACKS. THE COST OF SAW CUT IS SUBSIDIARY TO THE OTHER BID ITEMS.

N 61°31'28" E

R/W 50'

U/G MULTIMEDIA CABLE

SWB TEL. U/G CABLE

RR TRACKS

CHAIN LINK FENCE

R/W 25'

CP3

60' LT.

14.07
0+75, 34' LT.

4.30
25' LT.

RR SIGNAL & ITS GUARD RAIL

5.05
23' LT

5.80

5.52

5.20

4.98

20.00'

10.00'

13.00'

N 1009.78
E 193.29

EXIST. ASPH. ROAD

EXIST. GRAVEL ROAD

195.54

195.96

198.14

ROCK RD.

N 03°48'47.00" W

EXIST. ASPH. ROAD

3" TREE

R OFFSET TO THE EDGE OF ROAD
N 1010.38
E 235.28

CP1

WESTERN RESOURCES ELEC. U/G CABLE

SWB TEL. U/G CABLE

RR SIGNAL & ITS GUARD RAIL

2" TALL METAL POST (3" DIA)

RR SPK. E SIDE PP

RR CROSSING SWITCH BOX

FUTURE CONC. RR CROSSING MATERIAL TO BE INSTALLED BY RR.

CONC. WALL

T.B.M. #1
N 634.36
E 253.92

92.00'

R/W 50'

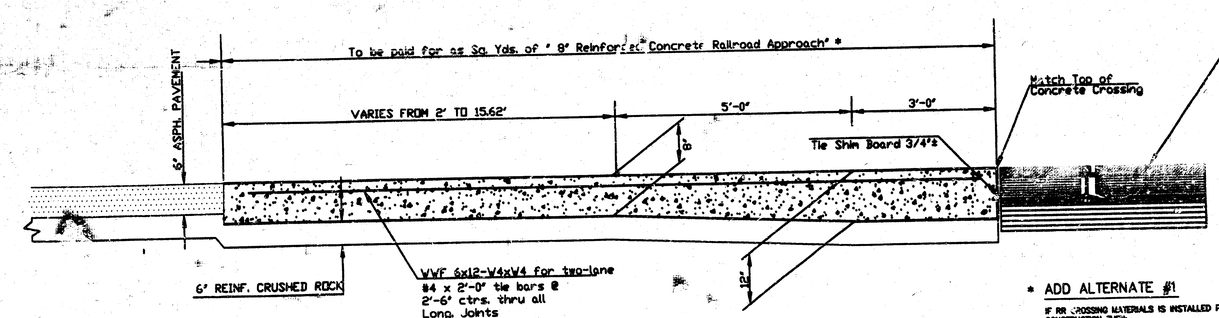
317.94'

R/W 50'

N 61°31'28" E

R/W 50'

GRADE USE EX



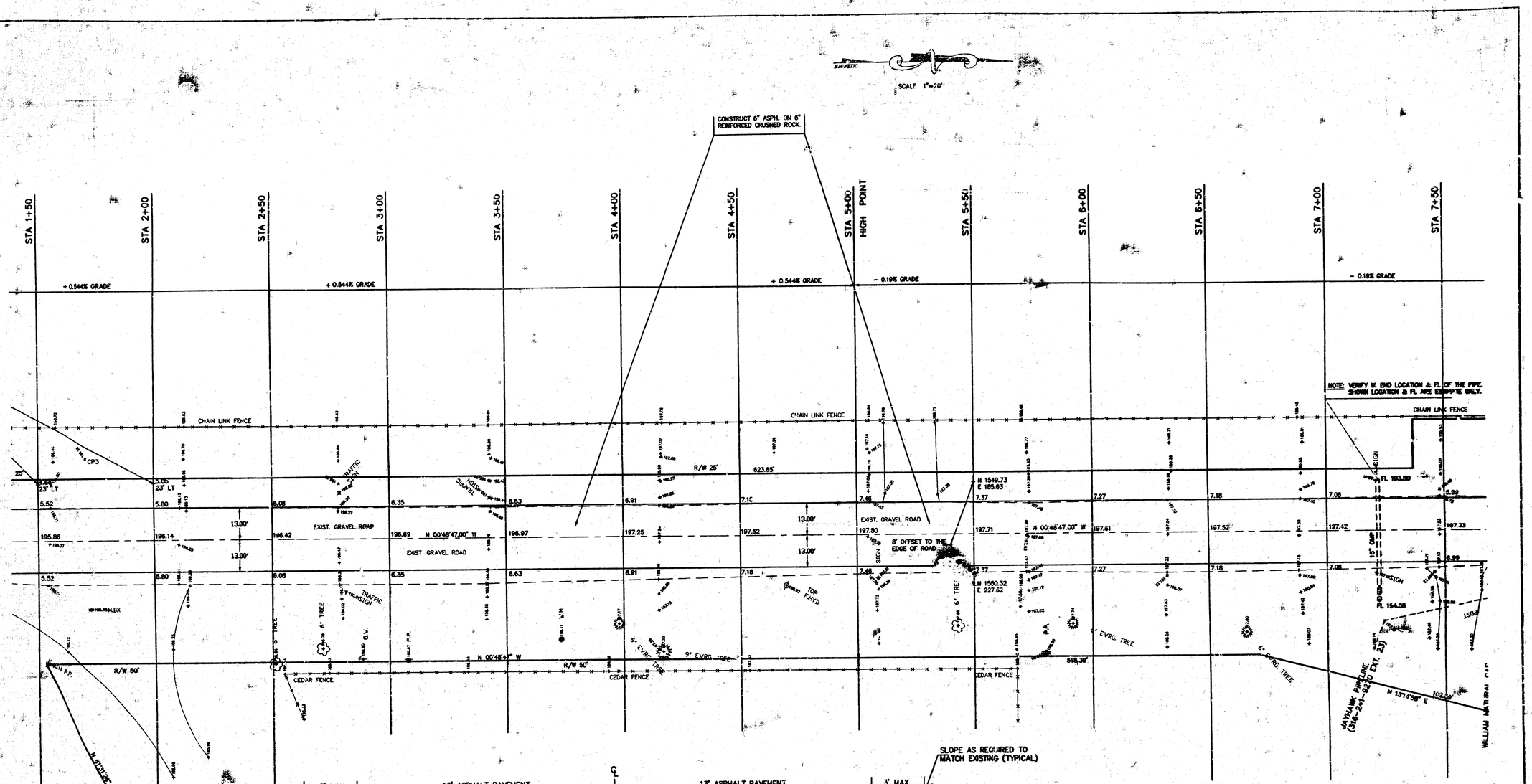
8" REINF. CONC. RAILROAD APPROACH DETAIL

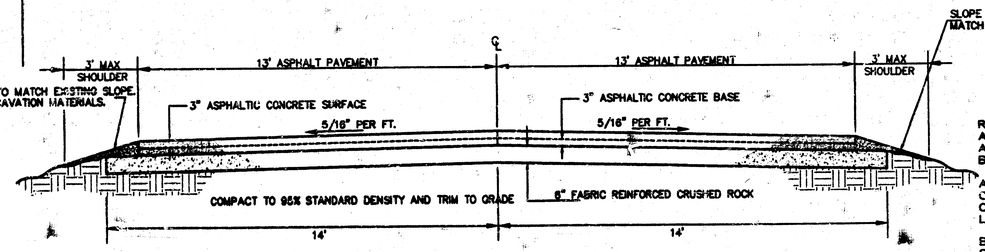
ADD ALTERNATE #1

* ADD ALTERNATE #1

IF RR CROSSING MATERIALS IS INSTALLED PRIOR TO THE CONSTRUCTION THERE FROM STA 0+48.44 TO THE SO. OF RR TRACKS & FROM NO. OF RR TRACKS TO STA 0+93.35 USE 8" REINF. CONC. INSTEAD OF 6" ASPH.
THE UNIT PRICE OF THIS ADD ALTERNATE IS NOT THE TOTAL COST OF THE CONC. THE UNIT PRICE REFLECTS THE INCREMENTAL COST BETWEEN CONC. & ASPH.

ROCK ROAD
CONSTRUCTION PLANS
INDEX # 706465
SHEET 2 OF 4
DRAWN BY: B.R. DESIGN BY: B.R.





TYPICAL PAVING SECTION
NOT TO SCALE

NOTE: THE COST OF EARTHWORK FOR THE PAVEMENT IS SUBSIDIARY TO THE OTHER BID ITEMS.

General Notes

ROCK BASE IS TO BE COMPACTED AND SMOOTHED WITH A STEEL FACED ROLLER PRIOR TO PLACEMENT OF ASPHALT. TACK COAT WILL NOT BE APPLIED TO ROCK BASE.

A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.

BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.

CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF ONE (1) FOOT FROM JOINTS IN PRECEDING LIFTS AND PLACED SO THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE TOP LIFT.

ROCK ROAD
CONSTRUCTION PLANS
INDEX # 706465
SHEET 3 OF 4
DRAWN BY: B.R. DESIGN BY: B.R.

SCALE 1"=20'

AREA TO BE REMOVED

SAW CUT & REMOVE EXISTING ASPH. AS SHOWN. THE COST OF SAW CUT IS SUBSIDIARY TO THE OTHER BID ITEMS.

REMOVE & LOWER THE EXISTING PIPE BY 6'. REGRADE THE DITCHES 50' TO THE NORTH OF THE PIPE ON BOTH SIDES OF THE ROAD, 100' TO THE WEST OF THE W. END OF THE PIPE, & 50' TO THE EAST E. END OF THE PIPE. THIS COST IS SUBSIDIARY TO THE OTHER BID ITEMS.

INTERSECTION GRADE

MATCH EXISTING ASPH. SURFACES @ THE SAW CUTS

SUMMARY OF PAVEMENT MARKING QUANTITIES

4" SOLID WHITE, EDGE LINES N. & S. BOUNDS.	1952 LF
4" SOLID YELLOW, DOUBLE LINE CENTERLINE.	1902 LF
24" SOLID WHITE STOP N. BOUND.	13 LF
24" SOLID WHITE STOP S. BOUND	13 LF
RAILROAD CROSSING SYMBOL	1 EA

RAILROAD CROSSING DETAIL

A three-lane roadway should be marked with a centerline for two-lane approach operation as the approach to a crossing.

On multi-lane roads the transverse bands should extend across all approach lanes, and individual R R symbols should be used in each approach lane.

Refer to Standard Handbook for Highway Signs and Markings for R X R symbols details.

POSTED SPEED (MPH)	DISTANCE D (FEET)
20	155
25	195
30	240
35	285
40	335
45	390
50	450
55	510
60	570
65	645

ALL DISTANCES ARE MINIMUM.

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4-17-97