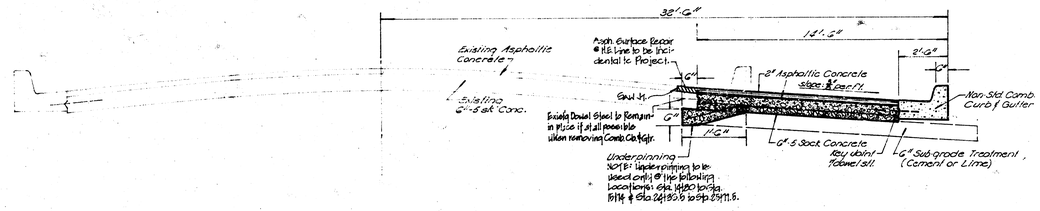
DOUGLAS AVENUE

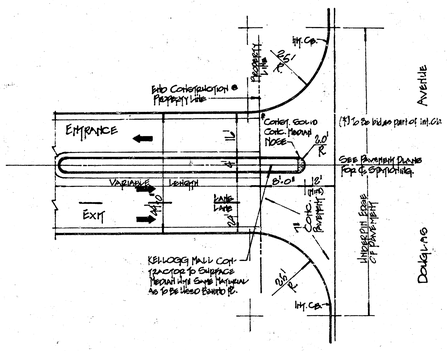
350FT. E.-EL. ARMOUR DR.- WL. ROCK ROAD

R.W. LINN — **CITY ENGINEER**

DATE APRIL 1974 — **PROJ.NO. DAKS 573059**



TYPICAL SECTION



TYPICAL MAJOR APPROACH

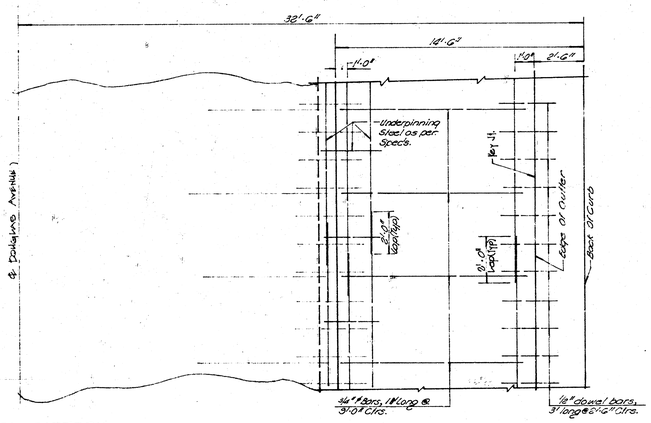
(no SCALE)

GENERAL NOTES

NOTE: CONTRACTOR TO REMOVE THE MINIMUM AMOUNT OF TREES NECESSARY TO COMPLETE THIS PROJECT. THE REMOVAL OF TREES AND FENCE WILL BE BID AS LUMP SUM BID "CLEARING-OF-RIGHT".

ALL EXISTING AND FUTURE UTILITY LINES ON PLANS ABOVE OR BELOW GRADE AS INDICATED ARE FOR INFORMATION AND IDENTIFICATION PURPOSES ONLY. CONTRACTOR'S SHALL HAVE FULL RESPONSIBILITY IN CONTACTING EACH RESPECTIVE UTILITY COMPANY, SEWER OR RWC SYSTEM.

TYPE OF SUBGRADE TREATMENT SHALL BE DETERMINED BY THE FIELD ENGINEER. SUBGRADE TREATMENT MAY CONSIST OF LIME, CEMENT, SUBGRADE MODIFICATION OR ANY COMBINATION OF THESE.



STEEL PATTERN

DONALD E. SCHNEIDER — LICENSED — 6311 — KANSAS — PROFESSIONAL ENGINEER

APRIL 1974

1/6

Survey Date
Plat Book
Map
Checked

Δ 7°41'05" R. = 411.93' T. = 36.06' L. = 70.34' L.C. = 70.29'

CURVE DATA BASED ON 5a Curve RAD. Δ 7°41'05"

STA.	ARC.	CHORD LENGTH @ OFF CB.	OFF CB.	DEFLECTION	TOTAL DEFLECTION
11+02.08	P.C.			0°00'00"	0°00'00"
11+31.74	29.66'	29.66'		0°41'00"	0°41'00"
11+66.40	34.66'	"		0°48'05"	1°29'05"
	P.T.			0°00'00"	1°29'05"
11+99.08	96.74'	96.74'		0°41'00"	0°41'00"
12+29.74	30.66'	"		0°48'05"	1°29'05"

BM. 11+00.87 6'Lt. Disc. at E. End of Hollywood Bridge Rail at Bridge @ Douglas & Armour Dr.

Beg. Removal of Existing Conc. Ca + Gutter

Rem. Existing Conc. Ca + Gutter

Remove Existing Four Of Pavement As Per City Specs

Remove Pavement & Rock Road

BM. 11+00.87 'B' 11 Ft. Rt. Of E. End Of Rutland Road - 1.0' Ft. Rt. Douglas Ave.

Section A-A

DOUGLAS AVENUE

Rem. Existing Conc. Ca + Gate

Existing Ground Line

Proposed Ground Line

Conc. To Crown

End Construction @ Ex. Douglas Ave.

1.0.11.6%

1.0.15.0%

ARMOUR DR.

Conc. Pipe Culvert

Connection Of Incidental Drainage By Others

1.0.11.6%

1.0.15.0%

DOUGLAS AVENUE

Existing Edge Pavement As Per City Specs.

Rem. Existing Conc. Ca + Gate

Existing Ground Line

Proposed Ground Line

1.0.10.5%

1.0.8.1%

EARTHWORK QUANTITIES

Excavation

1402.3 C.Y.

141.8 C.Y.

1661.2 C.Y.

NOTE: ANY EXCESS SUITABLE EXCAVATION FOR CHANNEL CONSTRUCTION IS TO BE DELIVERED TO E. SIDE ARMOUR STREET. PROJECT DAKS 573057. S.L. KELLOGG MALL ADDITION TO S.L. DOUGLAS AVENUE.

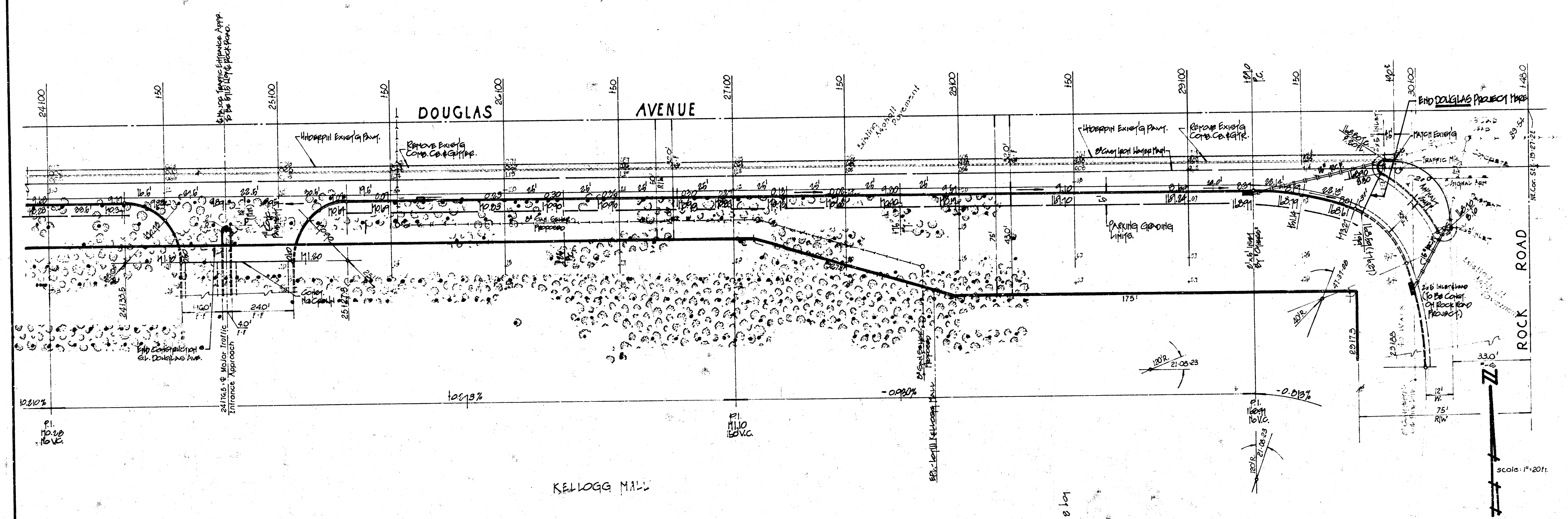
Boyle Engineering Corporation

DOUGLAS AVENUE (SO. SIDE)

350 Feet East Of East Line ARMOUR DRIVE To West Line ROCK ROAD

DAKS 573059

9



Δ = 21°08'23" R. = 120.0' T. = 22.63' L. = 44.27' L.C. = 44.09'

CURVE DATA BASED ON So. CURB		RAD. Δ/2 = 10°34'11.5"			
STA.	ARC.	CHORD LENGTH 8' OFF ℄ CB	__OFF__CB	DEFLECTION	TOTAL DEFLECTION
29+29.0		-	-	0°00'00"	0°00'00"
+51.14	22.14'	20.64'		5°17'06.8"	5°17'-06.8"
+73.27	22.13'	"		" " "	10°34'-11.5"

Δ = 47°37'08" R. = 40.0' T. = 17.65' L. = 33.24' L.C. = 32.30'

CURVE DATA BASED ON So. CURB		RAD. Δ/2 = 23°48'34"			
STA.	ARC.	CHORD LENGTH 8' OFF ℄ CB	__OFF__CB	DEFLECTION	TOTAL DEFLECTION
29+73.27	P.C.C.	-	-	0°00'00"	0°00'00"
29+76.27	3.0'	2.40'	-	2°08'55"	2°08'55"

BM. 170.06 "ɟ" top W. Curb - E½ Post Oak Dr. @ N. Douglas

BM. 169.41 Std. @ Rock Road & Douglas - 47.6 & 62.6 W. & South

NOTE TO ENGR: Re-establish City Std. in a location not affected by Douglas or Rock Road projects. Re-run B.M. circuit on this proj.

DOUGLAS AVENUE (So. SIDE)

350 FT. East Of E.L. ARMOUR DR. TO WL. ROCK ROAD
OAKS 573059

3/6

DOUGLAS AVENUE

ARMOUR DRIVE

Exp. 1"Ø Conc. Trap(A) Th. 4"Dia. "By OTHERS"
Fl. Out = 168.01 = 12"
Fl. In = 169.34 = 12"
Fl. In = 168.86 = 15"

Exp. L.T.M.P. Outfall
Fl. = 167.86 by OTHERS

Conc. Encasement by "OTHERS"

Conc. Rip-Rap Incidental to Proj. by "OTHERS"

Proposed Fence by Owner

Existing Curb Inlet

Exp. 9'Ø Conc. Trap(A) 60°Dia. Thickness
Fl. Out = 167.87
Fl. In = 168.37

Conc. 8'x6' Inlet
Fl. Out = 168.05 by "OTHERS"
Fl. In = 168.16

Conc. 8'x6' Inlet
Fl. Out = 168.26 by "OTHERS"

BRG. PROJ. NO. DARD 6130B9

168.51 - 18" RCP

TREES & BRUSH (SHELTER BELT)

Bm. 168.89 "R" in Ritchie Top E. Curb Railway Road - 10' N. of N. Douglas Ave.

Bm. 169.89 Spk. Disc. @ E. End N. Headwall Behind Back of Ditch @ Douglas & Armour Dr.

Rem. Conc. Curb Inlet

Remove Existing 2'x4' Inlet-Connect New 18" R.C.P. to Ditch

168.0 - 18" R.C.P.

Conc. 8'x6' Inlet
Fl. Out = 168.80

Manhole Inlet Grating

Proposed Headwall

Rock Road

(Headwall Inlet Grating)

Profile

NOTE: TO FIELD ESTIMATE & CONTRACTOR - REMOVAL OF TREES & BRUSH IN SHELTER BELT TO BE BID AS "CLEARING RIGHT-OF-WAY" REMOVE (MIN) AMOUNT OF TREES AS POSSIBLE

CAUTION
UNDERGROUND
UTILITIES

Natural Ground

Conc. Rip-Rap

Proposed Ditch Grade

Proposed Fence & Armour Road

Compacted Fill

Conc. Encasement

10'W. - 168 RCP @ 1.00%
"BY OTHERS"

168.51 - 18" RCP @ 1.00%

566'-18" RCP @ 1.00%

Conc. 8'x6' Inlet

Conc. 2'x6' Inlet

8'x11' RCP

DONALD E. SCHMIDT
LICENSED
6311
KANSAS
PROFESSIONAL ENGINEER

Revised 1-11-1974 mcd

DRAINAGE IN CONNECTION WITH
DOUGLAS AVE. - 880' E. EL. ARMOUR DR. TO W. ROCK ROAD.
PROJ. NO. DARD 6130B9
APRIL 1974

11 a 4 S