1988 ARTERIAL SIDEWALK

PROJECT NO. 472-76-245-81833-000-000-001 INDEX # 606111

CITY OF WICHITA, KANSAS
M.E. LINDEBAK - CITY ENGINEER

GENERAL NOTES

1. INFORMATION SHOWN ON PLANS NOT DIRECTLY RELATED TO THE CONSTRUCTION OF SIDEWALKS & WHEELCHAIR RAMPS IS NOT A PART OF THIS CONTRACT AND SHALL BE CONSIDERED AS DELETED.

2. EXACT LOCATION AND GRADE TO BE DETERMINED BY THE FIELD ENGINEER AT TIME OF CONSTRUCTION.

3. ALL EARTHWORK & COMPACTION OF EARTHWORK NECESSARY TO COMPLETE THIS PROJECT IS TO BE SUBSIDIARY TO OTHER BID ITEMS.

4. ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED TO A CONDITION ACCEPTABLE TO THE ENGINEER. THIS WORK SHALL BE SUBSIDIARY TO OTHER BID ITEMS.

5. ALL GRASSED AREAS DISTURBED BY THE CONSTRUCTION OF THE IMPROVEMENTS UNDER THIS CONTRACT SHALL BE REPLANTED WITH REBEL II FESCUE GRASS SEED AT AN APPLICATION RATE OF 10lbs / 1000 S.F. FERTILIZER SHALL BE 16-20-0 APPLIED AT A RATE OF 10lbs / 1000 SF.

6. SAWED JOINT REQUIRED TO FACILITATE REMOVAL OF EXISTING PAVEMENTS WILL NOT BE PAID FOR DIRECTLY AND THIS COST SHALL BE CONSIDERED AS SUBSIDIARY TO PAY ITEMS OF WORK INCLUDED IN THE CONTRACT.

LOCATIONS

BASE CONTRACT

WHEELCHAIR RAMP CONSTRUCTION FOR SCHOOL CROSSWALK on MAPLE ST. between MILLWOOD and VINE.

WHEELCHAIR RAMP CONSTRUCTION FOR SCHOOL CROSSWALK on CENTRAL AVE. between QUENTIN and BLUFF.

SIDEWALK CONSTRUCTION on the North Side of 47th ST. So. between HYDRAULIC AVE and KANSAS AVE.

WHEELCHAIR RAMP CONSTRUCTION FOR SCHOOL CROSSWALK on HYDRAULIC AVE. between 3RD. ST. and CENTRAL.

WHEELCHAIR RAMP CONSTRUCTION FOR SCHOOL CROSSWALK at the South Side LINCOLN ST at HYDRAULIC AVE.

SIDEWALK CONSTRUCTION on the NORTH SIDE of McCORMICK AVE between ALL HALLOWS and MERIDIAN AVE

SIDEWALK CONSTRUCTION on the SOUTH SIDE of McCORMICK AVE between K-42 HIGHWAY and MERIDIAN AVE.

ADD ALTERNATE SIDEWALK CONSTRUCTION on the SOUTH SIDE of McCORMICK AVE bet ALL HALLOWS and K-42 HIGHWAY.

NOTE: ADD ALTERNATE IS NOT TO BE CONSTRUCTED WITHOUT WRITTEN APPROVAL OF THE CITY ENGINEER.

INDEX SHEETS

SHEET No. DESCRIPTION

1. COVER SHEET
2. LOCATION MAP
3. MISCELLANEOUS DETAILS
4. PLAN - SCHOOL CROSSWALK ON MAPLE ST. @ MILLWOOD & VINE
5. PLAN - SCHOOL CROSSWALK ON CENTRAL AVE bet QUENTIN & BLUFF.
6. PLAN - SIDEWALK CONSTR. ON N. SIDE 47TH ST. So. bet HYDRAULIC & KANSAS
7. PLAN - SCHOOL CROSSWALK ON HYDRAULIC bet 3RD & CENTRAL
8. PLAN - WHEELCHAIR RAMP CONSTR. at S SIDE LINCOLN at HYDRAULIC
9. PLAN - SIDEWALK CONSTR. ON THE N. SIDE OF McCORMICK AVE bet ALL HALLOWS & MERIDIAN
   PLAN - SIDEWALK CONSTR. ON THE S. SIDE OF McCORMICK AVE bet K-42 HIGHWAY & MERIDIAN AVE.
   ADD ALTERNATE
   PLAN - SIDEWALK CONSTR. ON THE SOUTH SIDE OF McCORMICK AVE bet ALL HALLOWS AND K-42 HIGHWAY.

DONALD E. SCHNEIDER LICENSED 6311 KANSAS PROFESSIONAL ENGINEER

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PROPOSED WHEELCHAIR RAMP CONST. FOR SCHOOL CROSSWALK.

PROPOSED WHEELCHAIR RAMP CONST. FOR SCHOOL CROSSWALK.

PROPOSED SIDEWALK CONSTRUCTION

PROPOSED WHEELCHAIR RAMP CONST. FOR SCHOOL CROSSWALK

PROPOSED WHEELCHAIR RAMP CONST. FOR SCHOOL CROSSWALK

ADD ALTERNATE

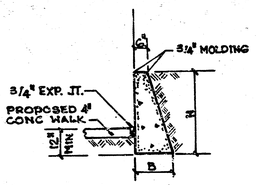
PROJECT DESCRIPTION

1988 ARTERIAL SIDEWALK LOCATION MAP

PROJECT NUMBER

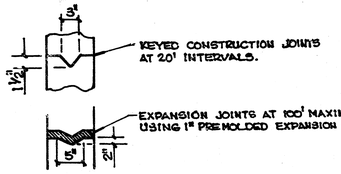
472-76-245-81833-000-000-001

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DIMENSIONS		C.Y. CONC
H	B	FOOT
1'-6"	10"	0.037
1'-9"	11"	0.046
2'-0"	13"	0.056
2'-3"	15"	0.075
2'-6"	17"	0.089
2'-9"	15 1/2"	0.104
3'-0"	20"	0.120

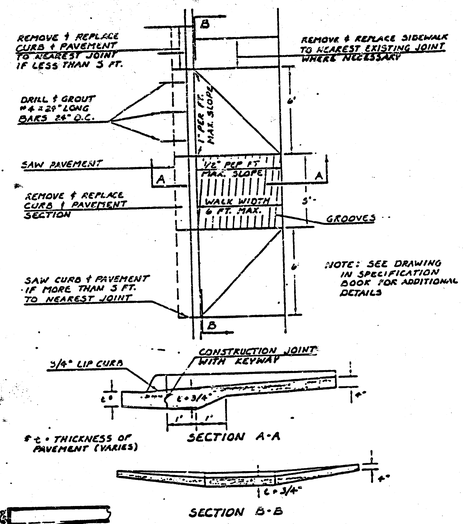
NOTE: CONCRETE USED IN RETAINING WALLS SHALL BE STD. CONCRETE PAVING MIX.



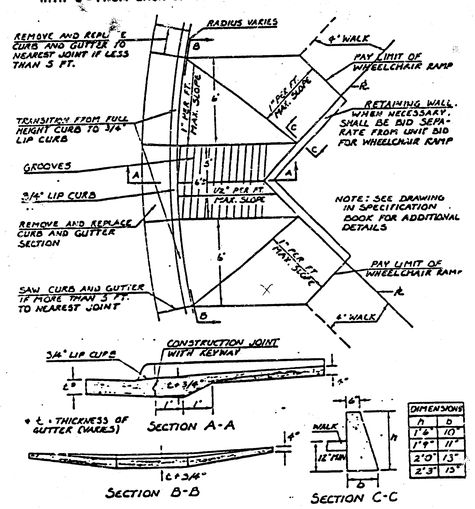
GRAVITY TYPE RETAINING WALL DETAIL

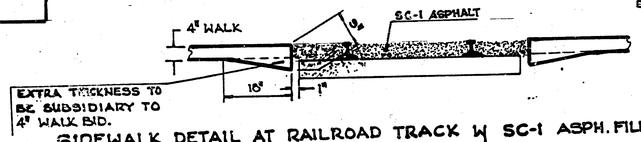
NOTE: ANY FENCE REMOVED IS TO BE SALVAGED AND GIVEN TO THE ADJACENT PROPERTY OWNER.

STANDARD WHEELCHAIR RAMP CONSTRUCTION DETAIL FOR CONCRETE STREETS WITH MONOLITHIC CURB AND FULL WALK



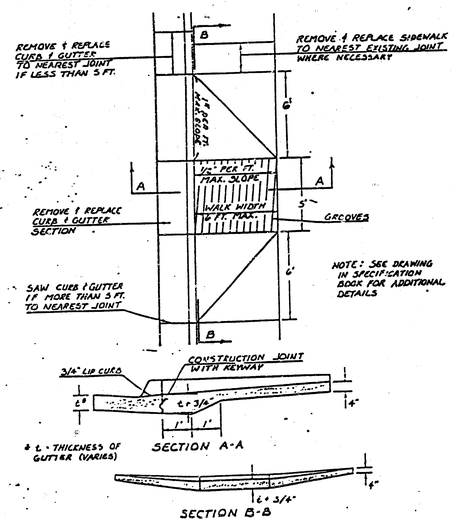
STANDARD WHEELCHAIR RAMP CONSTRUCTION DETAIL FOR STREET WITH COMBINED CURB AND GUTTER ON RADIUS WITH 6'± FROM BACK OF CURB TO PROPERTY CORNER



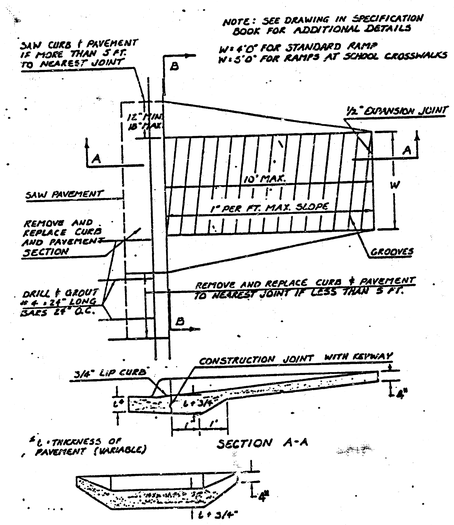


SIDEWALK DETAIL AT RAILROAD TRACK W SC-1 ASPH. FILLER

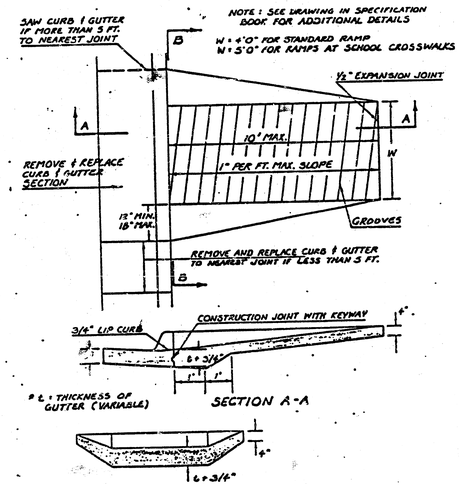
STANDARD WHEELCHAIR RAMP CONSTRUCTION DETAIL FOR STREETS WITH COMBINED CURB & GUTTER AND FULL WALK



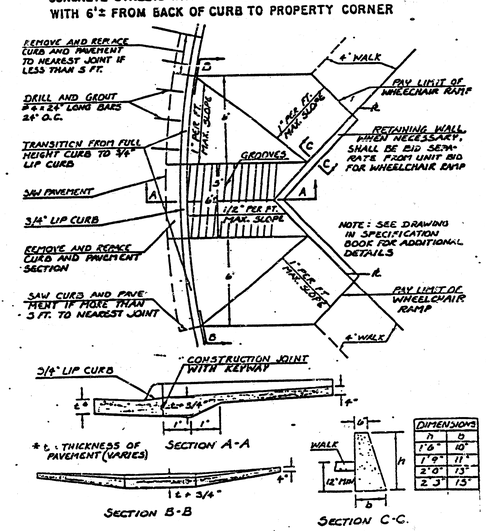
STANDARD WHEELCHAIR RAMP CONSTRUCTION DETAIL FOR CONCRETE STREETS WITH MONOLITHIC CURB



STANDARD WHEELCHAIR RAMP CONSTRUCTION DETAIL FOR STREETS WITH COMBINED CURB & GUTTER



STANDARD WHEELCHAIR RAMP CONSTRUCTION DETAIL FOR CONCRETE STREETS WITH MONOLITHIC CURB ON RADIUS WITH 6'± FROM BACK OF CURB TO PROPERTY CORNER



NOTE: THE COST OF ALL WORK INDICATED ON THIS SHEET RELATED TO WHEEL CHAIR RAMP CONSTRUCTION SHALL BE INCLUDED IN THE UNIT PRICE BID FOR WHEEL CHAIR RAMP. WHICH PRICE SHALL INCLUDE ALL COSTS OF REMOVING AND RECONSTRUCTING EXISTING PAVEMENT & MONOLITHIC CURB, COMPACTION OF SUBGRADE AND NECESSARY AREA GRADING.

MISCELLANEOUS DETAILS

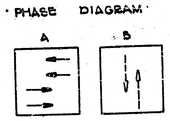
1988 ARTERIAL SIDEWALK

PROJECT No. 472-76-245-81833-000-000-001

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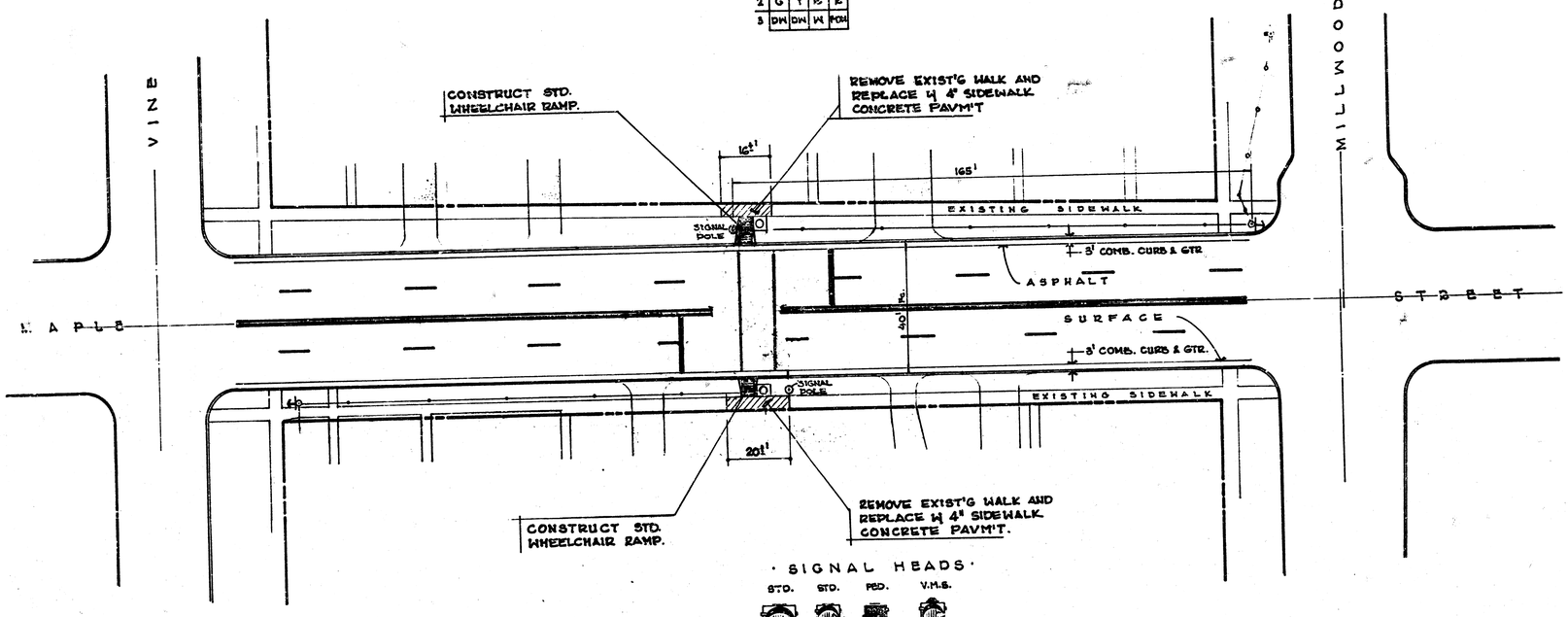
7

· PHASE DIAGRAM ·

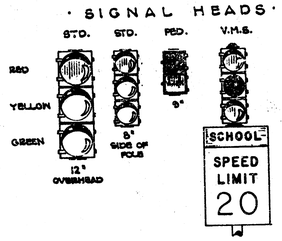


· COLOR SEQUENCE ·

	A		B	
	1	2	3	4
1	G	Y	R	R
2	G	Y	R	R
3	DW	DW	W	PDW



· SIGNAL HEADS ·



· LEGEND ·

SIGNALS:
TRAFFIC
PED.
SIGNAL POLE/Mastarm
SERVICE BOX
CONTROLLER (STUB POLE MOUNT)
CONDUIT
3/4"
1 1/4"
2"
VARIABLE MESSAGE SIGN

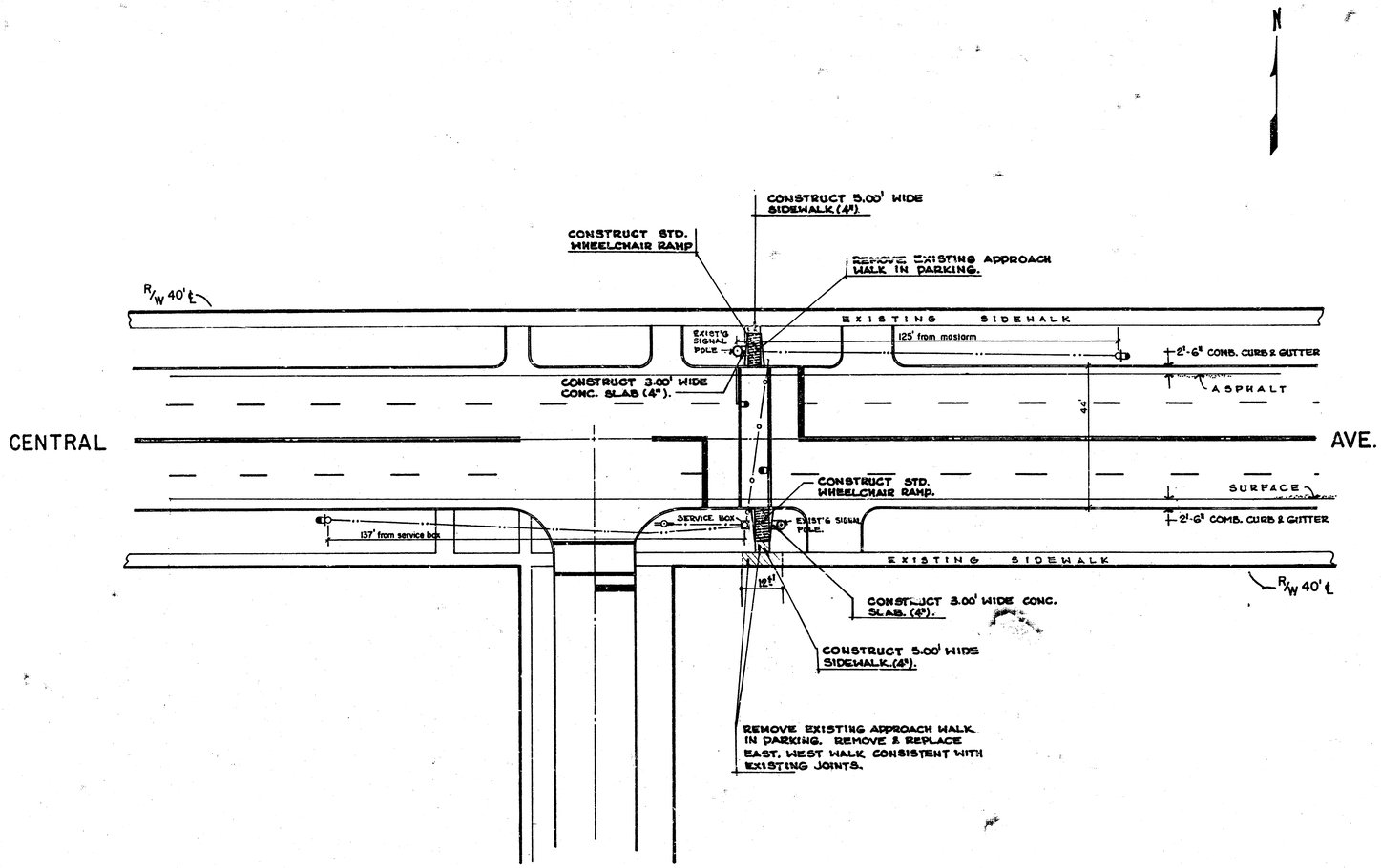
NOTE:
USE EXISTING POWER SOURCE AND CONDUIT RUN TO N.B. V-13. (IF POSSIBLE)
METER ADDRESS 851 S. MILLWOOD

472-76-245-81833-000-000-001

MAPLE between MILLWOOD and VINE
Midblock School x-walk Signal

SCALE 1"=20'	APPROVED BY	DATE Sept. 81
DRAWN BY Sool		REVISED
		DRAWING NUMBER E-81-12

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CURBLINE
2" CONDUIT
¾" CONDUIT
MASTARM W/POLE
SIGNAL HEAD (traffic)
SIGNAL HEAD (pedestrian)
CONTROLLER
POWER POLE
SERVICE BOX
VARIABLE MESSAGE SIGN
1¼" CONDUIT

EQUIP. FURNISHED BY CITY
2 - 3-sec. 8" flashing signal
2 - School Speed Limit 20 sign
2 - When Flashing sign

EQUIP. FURNISHED BY CONTRACTOR
280' - 1 1/4" rigid steel conduit
390' - 3-c #10 AWG cable
80' - pushing 1 1/4" conduit
200' - trenching
2 - ground rods w/clamps & wire
1 - cu.yds. concrete
1 - time clock [installed by city
1 - flasher unit [
2 - signal mounting bracket
2 - 10' alum. ped. and base in place

CENTRAL Between Quentin & Bluff

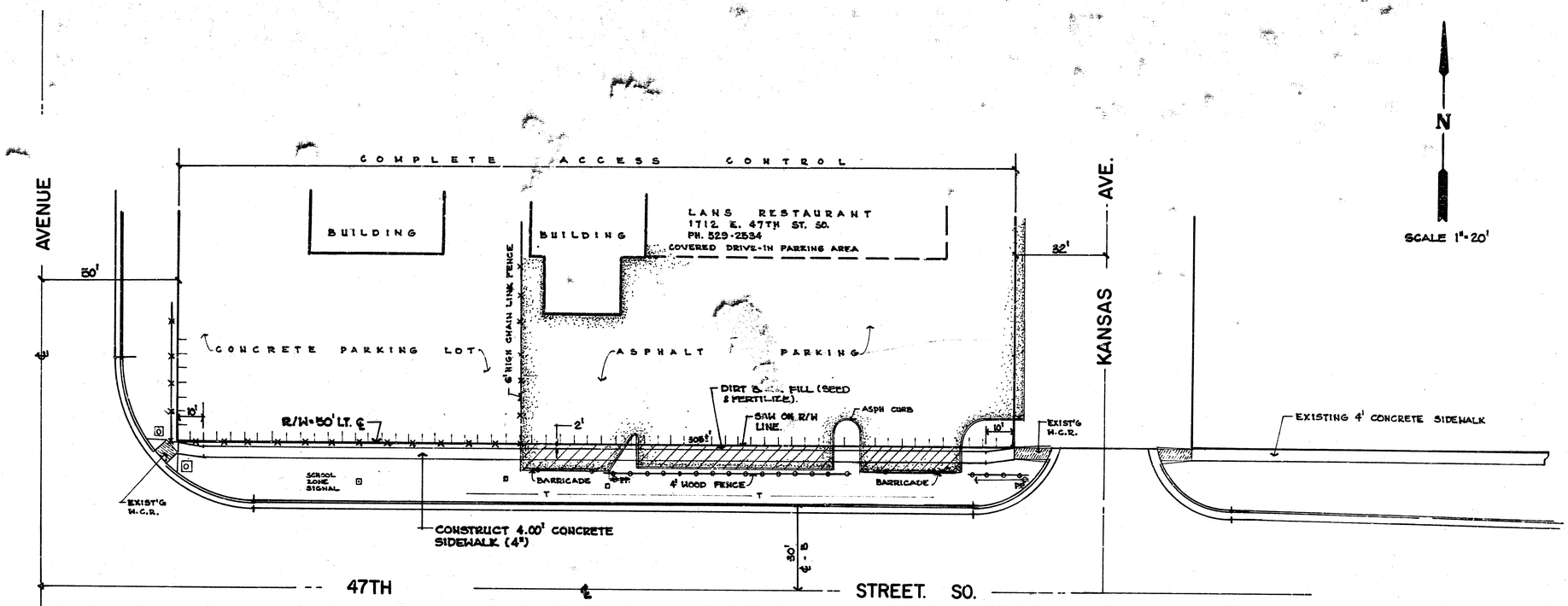
SCALE 1" = 20'	APPROVED BY	DATE
DRAWN BY		REVISED

PROJ. No. 472-76-245-81833-000-000-001

DRAWING NUMBER E77 - 8

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G 9



▨ = REMOVAL

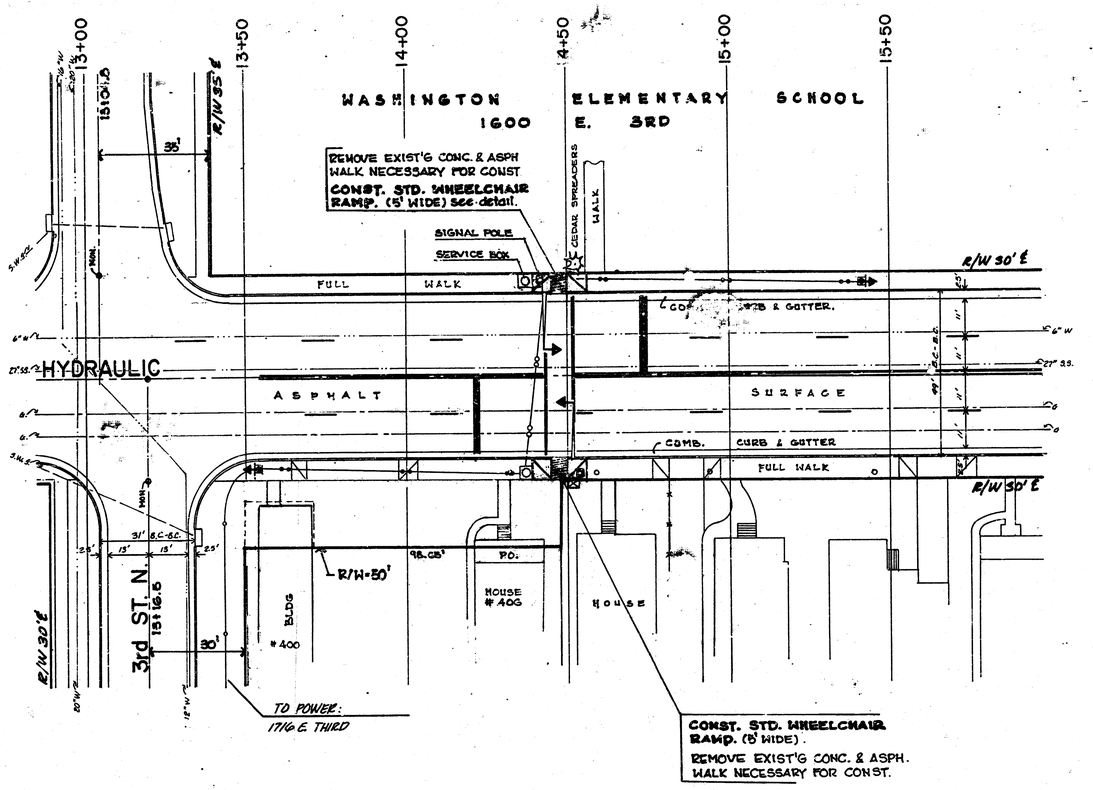
NOTE: BARRICADE AND 4' WOOD FENCE REMOVED TO BE PAID AS BID FOR L.F. FENCE REMOVED.

BARRICADE AND 4' WOOD FENCE SHALL BE REMOVED, SALVAGED AND GIVEN TO THE ADJACENT PROPERTY OWNER.

PROJECT DESCRIPTION
SIDEWALK CONSTRUCTION-N. SIDE
47TH ST. So. bet HYDRAULIC and KANSAS

PROJECT NUMBER
472-76-245-81533-000-000-001

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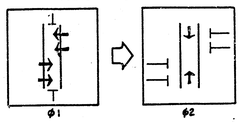


GENERAL NOTES:

1. CONTACT THE TRAFFIC ENGINEERING SECTION PRIOR TO RELOCATION OF ANY SIGNAL POLE, CONTROLLER, PEDESTAL, SERVICE BOX, LOOPS, AND/OR CONDUIT.
2. CONDUIT TO BE PUSHED OR JACKED UNDER EXISTING PAVEMENT INCLUDING SIDEWALK, DRIVE APPROACHES, ETC. UNLESS OTHERWISE NOTED.
3. TRAFFIC TO BE CARRIED THROUGH CONSTRUCTION.
4. STANDARD CONSTRUCTION SIGNING AS OUTLINED IN THE BARRICADE MANUAL OF THE CITY OF WICHITA AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, SHALL BE INSTALLED AND MAINTAINED THROUGH OUT ALL PHASES OF CONSTRUCTION ON THIS PROJECT.
5. THE CONTRACTOR / OR PUBLIC ENGINEER SHALL CONTACT ALL UTILITY COMPANIES WHICH MIGHT BE AFFECTED BY THE INSTALLATION OF THE TRAFFIC SIGNALIZATION PRIOR TO ANY UNDERGROUND INSTALLATION, AND REQUEST THEIR ASSISTANCE IN LOCATING UNDERGROUND PLANT.
6. THE CITY OF WICHITA SHALL REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT. (EXCEPT AS OTHERWISE NOTED)
7. SIGNAL INSTALLATION, WHEEL CHAIR RAMPS, WALK SECTIONS, ETC. TO BE INSTALLED AS PER ENGINEERING SPECIFICATIONS.

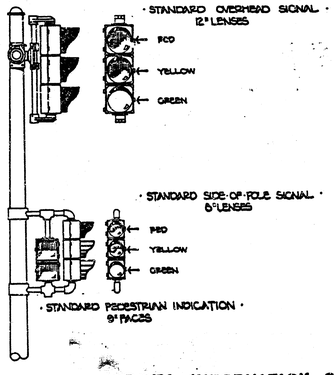
• NOTE: USE CAUTION WHEN TRENCHING - UNDERGROUND UTILITIES MAY BE PRESENT.

• PHASE DIAGRAM •



• STANDARD VARIABLE MESSAGE SIGN • 8" LENSES







LEGEND:

- SIGNAL INSTALLATION (BASE, POLE, MASTARM)
- TRAFFIC SIGNAL
- PEDESTRIAN INDICATION
- V.M.S. INSTALLATION
- SERVICE BOX
- CONTROLLER - PEDESTAL MOUNT
- 3/4" CONDUIT
- 1 1/4" CONDUIT
- 1.0" CONDUIT
- 2.0" CONDUIT

NOTE: INFORMATION SHOWN ON PLAN NOT DIRECTLY RELATED TO THE CONSTRUCTION OF SIDEWALKS AND WHEELCHAIR RAMPS IS NOT PART OF THIS CONTRACT AND SHALL BE CONSIDERED AS DELETED.

PROJECT DESCRIPTION
HYDRAULIC bet. 3rd & CENTRAL
• WASHINGTON ELEMENTARY •
WHEELCHAIR RAMP CONSTRUCTION

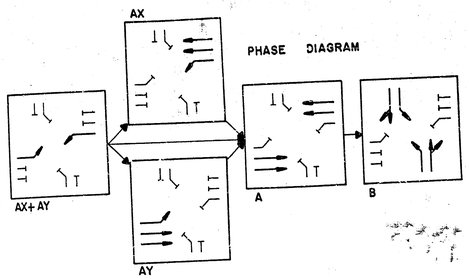
BOOK NO.	APPROVED BY	DATE
DRAWN BY		REVISED

PROJ. No. 472-76-245-81888-000-000-001

SCALE 1" = 20'

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PHASE DIAGRAM



COLOR SEQUENCE CHART

	AX + AY	AX	AY	A	B
1					
2					
3					
4					
5					

RED
YELLOW
GREEN

Controller to be capable of skipping any phase and QUAD-LEFT operation.

GREENWOOD AVE.

LINCOLN STREET

HYDRAULIC AVE.

CONSTRUCT 4" CONCRETE SIDEWALK PAD. ON W.S. SIG. POLE

CONSTRUCT (5.00' WIDE) CONCRETE SIDEWALK (4").

CONSTRUCT STD. WHEEL CHAIR RAMP. (5.00' WIDE)

REMOVE EXISTING WALK

CONSTRUCT STD. WHEEL CHAIR RAMP (5.00' WIDE)

CONSTRUCT 4" CONCRETE SIDEWALK PAD ON SOUTH & WEST SIDES OF SIGNAL POLE.

EXISTING SIDEWALK

X-WALKS ON N.S., AND WEST TO BE PAINT (temporary until completion of future reconstruction of Hydraulic.)
- East X-Walk to be thermoplastic -

Existing R/W (None acq'd. to date)

Joint Use Pole

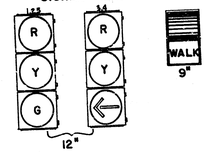
INTERNALLY ILLUMINATED STREET NAME SIGNS

Proposed 6" R.C.B.

Existing 6" R.C.B.

Future construction by City of Wichita.

SIGNAL HEADS



NOTE: INFORMATION SHOWN ON PLAN NOT DIRECTLY RELATED TO THE CONSTRUCTION OF SIDEWALKS AND WHEELCHAIR RAMPS IS NOT PART OF THIS CONTRACT AND SHALL BE CONSIDERED AS DELETED.

HYDRAULIC & LINCOLN WHEELCHAIR RAMP CONSTRUCTION	
SCALE 1" = 20'	APPROVED BY / DATE APR 76
DRAWN BY	REVISED Aug-77
472-76-245-51883-040-000-001	DRAWING NUMBER E 76 - 15

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ALL-HALLOWS AVE

CONSTR. STD. WHEELCHAIR RAMP.

CONSTR. STD. WHEELCHAIR RAMP.

CONSTR. 4' CONC. SIDEWALK IN 7.5' PARKING. (4").

REMOVE EXIST'G WK & CONSTR. STD W.C.R. (5.00' WIDE).

R.R. TIES & GRAVEL SHALL BE REMOVED & SALVAGED AND GIVEN TO THE ADJACENT PROPERTY OWNER. IN THE EVENT THAT THE OWNER DOES NOT WANT THE R.R. TIES, & GRAVEL THE CONTRACTOR SHALL DISPOSE OF SAME IN A MANNER ACCEPTABLE TO THE FIELD ENGR. THIS WORK TO BE DONE AT NO ADDITIONAL COST TO PROJECT.

22' DR. | VAC. ALLEY 8' | ADJUST. M.H. | ADJUST M.H. | MANHOLE | 50' AVENUE 50' | MANHOLE | ADJ. M.H. | 8" SAN | ADJ M.H. | MANHOLE | 24' DR. | CONSTR. GRAVITY RETAINING WALK | TYPE WALL | ADJ M.H. | MANHOLE | 5' WALK | 26' DR | R.R. TIES | GRAVEL WALK | R.R. TIES

Mc CORMICK AVE

P.L. | 44' | 60' | R/W

E.L. ALL HALLOWS

BEGIN SIDEWALK CONSTR. South Side

CONSTR. 4' CONC. SIDEWALK IN 7.5' PARKING. (4").

24' DR.

CONSTR. STD. WHEELCHAIR RAMP.

SHERIDAN 10 HIC. 69

CONSTR. STD. WHEELCHAIR RAMP.

27' DR.

5' WALK

SAW & REMOVE - MATCH NEW CONST. WITH WALK SOUTH.

SMALL TREE

CONSTR. GRAVITY TYPE RETAINING WALL

5' WALK

REMOVE EXIST'G WK. & CONSTR. STD W.C.R. (5.00' WIDE).

31' DR | 31.5' DR.

CONTRACTOR TO CONSTR. FILL AS REQUIRED ADJACENT TO R.R. TRACKS TO FACILITATE WALK CONSTR. USING EXCAVATED MATERIAL COMPACTED TO 95% STD. DENSITY.

CONSTR. STD. WHEELCHAIR RAMPS

WINTERS TRUCK LINE 2620 Mc CORMICK

CONSTR. 4' CONC. SIDEWALK IN 7.5' PARKING. (4").

REMOVE EXIST'G W.C.R. & CONSTR. STD. W.C.R. TO MATCH R/W

INLETS

CONSTR. STD W.C.R.

R.R.

ADD. ALT. #1 CONSTR 4' CONC. SIDEWALK IN 7.5' PARKING. (4").

41' DR

ALLEY 20'

EXISTING CONCRETE PAVM'T

25

Mc CORMICK AVE

4 MONOLITHIC EDGE CURB

P.L. | 44' | 60' | R/W

CONSTR. 4' CONC. SIDEWALK IN 7.5' PARKING. (4").

65° 45'

CONSTR. STD. W.C.R.

K-42

CONSTR. STD. W.C.R.

R.R.

CONSTR. STD. W.C.R.

EDWARDS & SIKKUS

CONSTR. STD. W.C.R.

CONSTR. STD. W.C.R.

ALLEY 20'

CONSTR. 4' CONC. SIDEWALK IN 7.5' PARKING. (4").

CONSTR. ASPH. CONC (SC-1) WALKWAY ACROSS TRACKS. (SEE DETAIL SHEET 3).

100'

N

SCALE 1" = 40'

: DENOTES EXISTING PAVED SURFACE. PLAN LOCATION APPROXIMATE.

ADD. ALT. #1 CONSTR 4' CONC. SIDEWALK IN 7.5' PARKING. (4").

CONSTR. STD WHEELCHAIR RAMPS

AVE

Ho## 2518 Mc CORMICK

3' HIGH - 2 RAIL WOOD FENCE

18.5' DR.

REMOVE FENCE AS REQUIRED TO CONSTRUCT WALK.

CONSTR. STD. W.C.R.

TOWNE & COUNTRY STORE

50'

AVE

20' ALLEY

PAVED

120'

PARKING

50'

P.L. | 44' | 60' | R/W

Mc CORMICK

CONSTR. STD W.C.R.

CONSTR. STD. W.C.R.

RICHMOND 60'

3' APP. WALK

MATCH

34' DR.

20' ALLEY

C OF W M.H.

40' DR

CONSTR. STD. W.C.R.'S

TRAFFIC CONTROLLER BOX

SERVICE BOX

40'

MERIDIAN

CONSTR. STD. W.C.R.

CONSTR. STD W.C.R.

CONSTR. 4' CONC. SIDEWALK IN 7.5' PARKING. (4").

ADD ALTERNATES

PROJECT DESCRIPTION

1988 ARTERIAL SIDEWALK

PROJECT NUMBER

472-76-245-81033-000-000-001

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