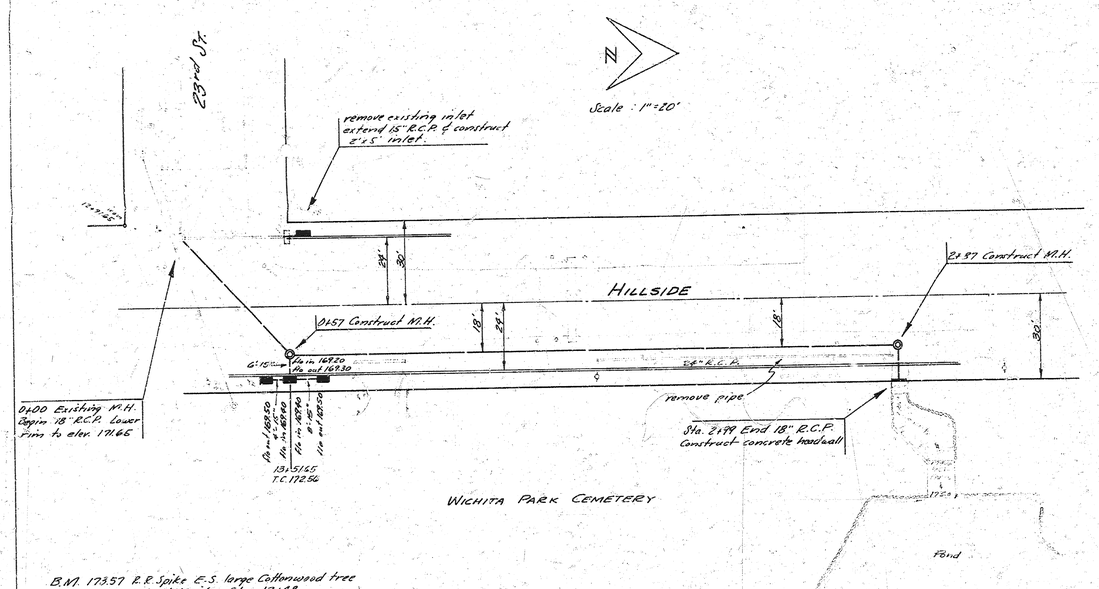
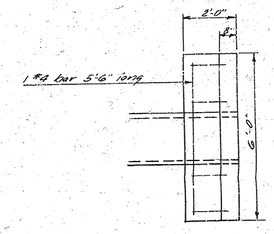
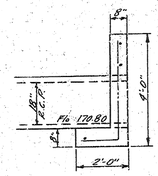


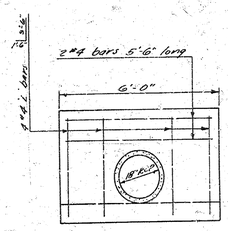


Plan

Concrete to be 6 sack paving mix. Inlets are to be constructed after pavement is complete. Compact backfill around headwall & inlets. Asph. mat removed is a non-bid item.



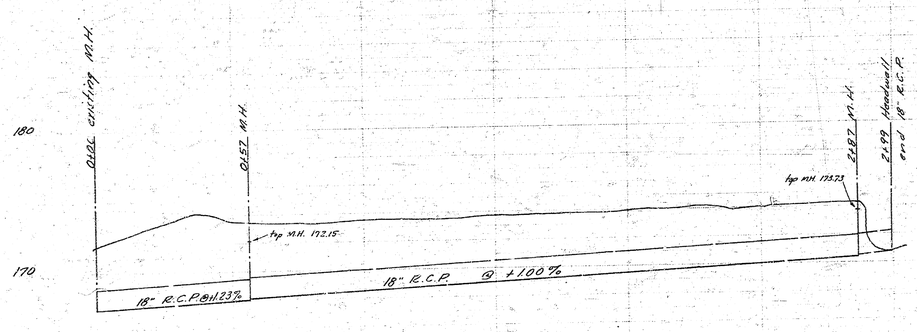
Elevation



Elevation

INLET HEADWALL
Scale : 1/2" = 1'-0"

B.M. 173.57 R.R. Spike E.S. large Cottonwood tree W.S. Hillside Sta. 12+48
B.M. 183.76 6" in Globe Top S Curb 29th St @ W.L. Hillside



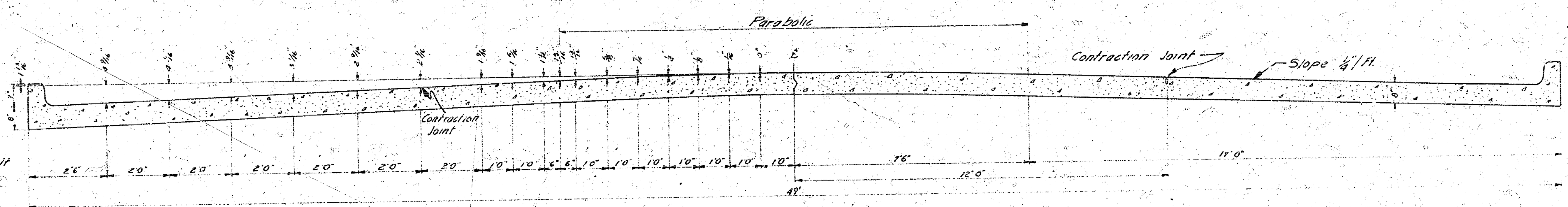
DRAINAGE - HILLSIDE AVE.
CITY OF WICHITA, KANSAS
B.E. SMITH - CITY ENGINEER
MAY , 1963 PROJ. C12-45

10 13 1 14

HILLSIDE AVENUE

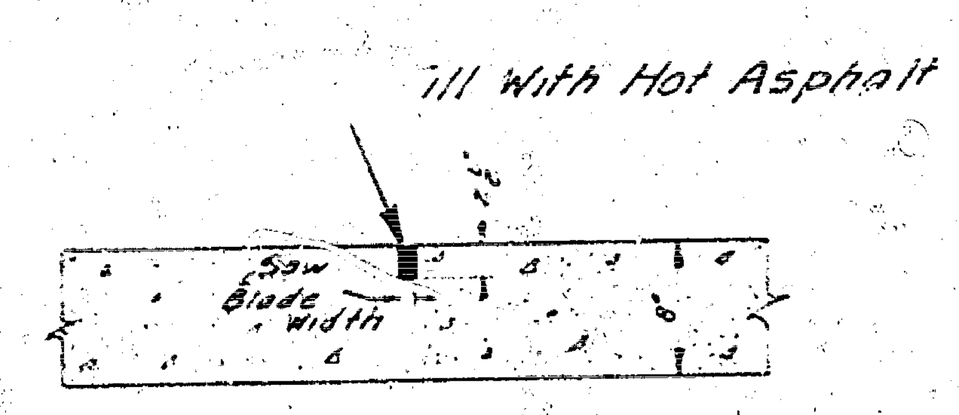
N.L. TWENTY-FIRST ST. - N.L. TWENTY-SEVENTH ST.

PROJECT C12-45



TYPICAL SECTION

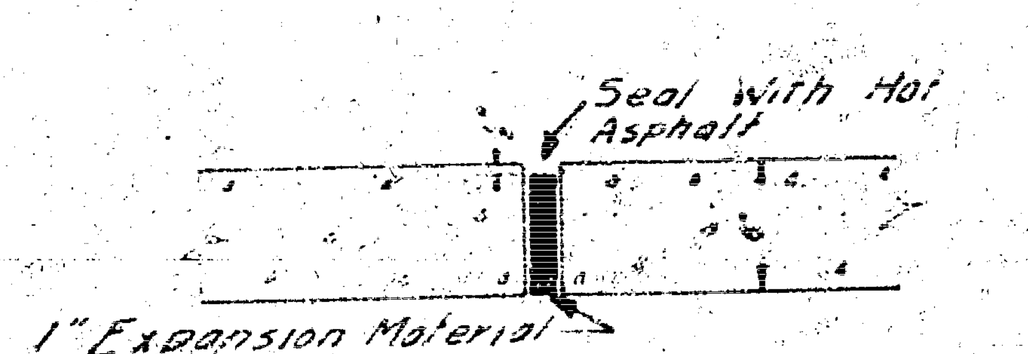
No Scale



CONTRACTION JOINT

No Scale

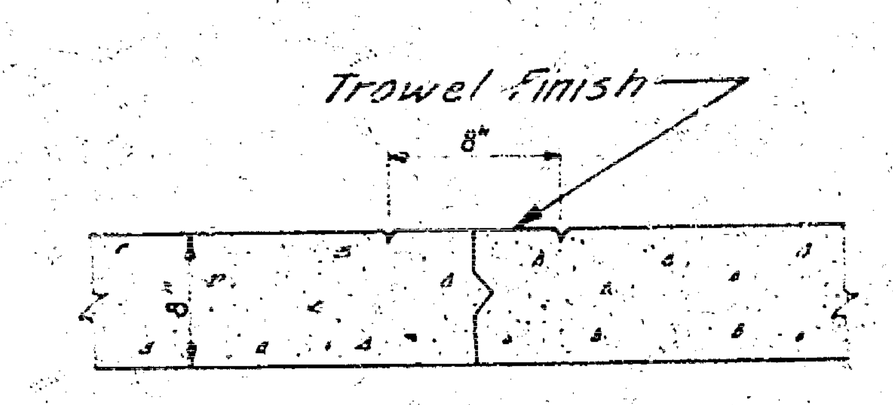
To Be Used At 30' Intervals Except Where An Expansion Joint Is Used



EXPANSION JOINT

No Scale

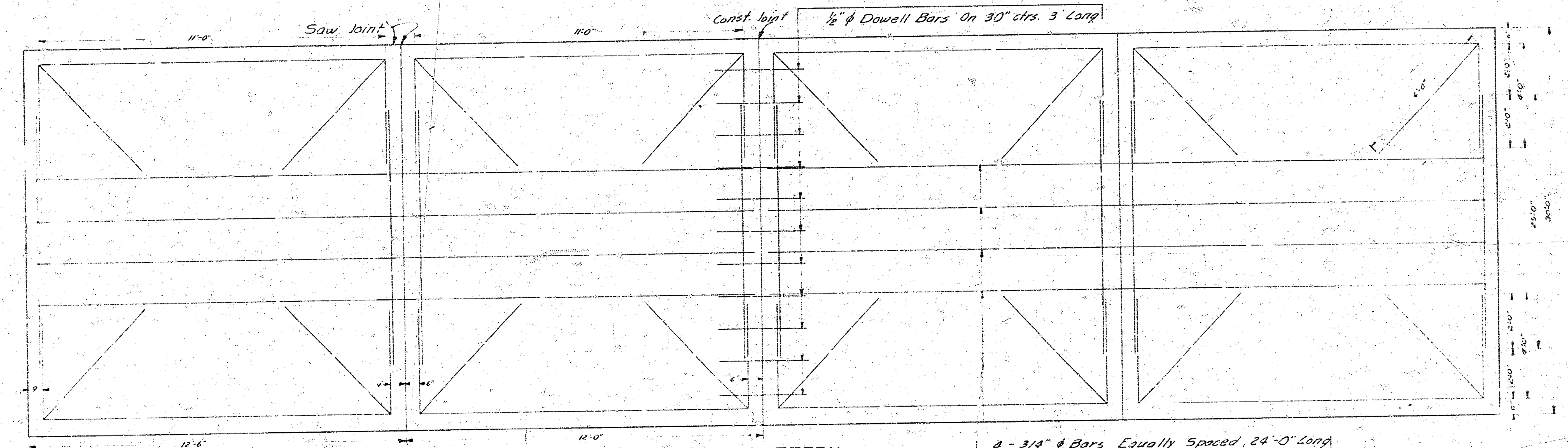
To Be Used At 120' Intervals



℄ MARKER DETAIL

No Scale

Place Full Length of Job



STEEL PATTERN

No Scale

Use ¾" ϕ Bars Unless Otherwise Specified

1/14

B.M.= 172.08 U.S.G.S. on S.E. Cor. Hillside & 21st Street
B.M.= 179.45 N.E. cor. conc. abt. @ fc. of Hds. #2259, S.W. cor. Hillside & 22nd Street
B.M.= 173.57 R.R. Spike E. side Large Cottonwood Tree on W. side Hillside Sta. 12+48
B.M.= 183.76 "S" in Globe Top Sc. curb Bet. 25 & 26 on E. N.L. Hillside
B.M.= 181.71 "S" in Globe Top W. curb Ethel & W.L. Hillside
B.M.= 174.30 City Sta. on S.E. Cor. Hillside & 25th. Street.
B.M.= 174.19 "x" cut on N.W. cor. conc. base to Flood-lite Pole on S.E. cor. Hillside & 26th Street.
B.M.= 162.11 S.W. cor. Brick Planter on S.E. cor. Hillside & 27th Street.
BASE LINE = E. Hillside Avenue.

N

Scale: 1" = 20'

P.I. 100' V.C. 173.80

Warp Section

+0.67 7 %

wk. gr. = 1.0

+2.130%

Wk. gr. = 10' to 0.7'

R.I. 260' V.C. 180.40

0+0 +40 +50 1 +50 2 +50 3 +50 4 +50 5 +50 6 +360

TWENTY-SECOND STREET

TWENTY-FIRST STREET

TEXACO SERVICE STATION

Rem. & Repl. walk as shown.

Ramp Inc.

concrete slab

Match slab with new drs.

40' R/W Lt. & 50' R/W Lt. &

5' conc. walk

Asphalt parking

Building

Frame

Concrete Bath

Begin Typical Crown

HILLSIDE AVENUE

Cedar

Osage hedge

Cobble stone Apron

bush

Shrubs

10' conc. drive

15' R.

Stone Pillar to remain in place.

Construct separate curb N.S. dr.

Construct 6" Curb dr.

Remove asph. mat & Repl. with 4" Asph. Conc.

Remove & Repl. Comb. ch. & gtr. as shown.

Note: Where combg. and curb are to be replaced along Centre of base, upon construction, consult proper owner for permission to build conc. curb instead of replacing stone curb. (type material and location used in case)

+0.741%

Grade parking to match @ 12

+2.130%

Grade parking to match @ 12.

P.I. 100' V.C. 174.25

P.I. 260' V.C. 180.85

OLD MISSION CEMETERY

(F) 2-8' R.C.B. Sta. 11+20 to be removed completely. 3-8' R.C.B. Sta. 19+60 - Contractor to have option of total removal or removal of the top & side walls.

NOTE TO FIELD ENGR. and CONTRACTOR - The intersection of 24th. Street and the driveway to the Wichita Park Cemetery is to remain open until the pavement between 24th. and 25th. Sts. is completed.

Average Thickness of asphalt mat = 1½"

Earthwork Quantities: Excavation 15,830.0 C.Y. + 1,943.0 C.Y. = 17,773.0 C.Y. (+10%); Fill 193.3 C.Y. + 7.3 (+10%) = 212.6 C.Y.

B. E. SMITH LICENSED 436 LAND SURVEYOR

JOHN N. ETTERSON LICENSED 551 KANSAS PROFESSIONAL ENGINEER

JAMES W. SMITH 2012 REGISTERED PROFESSIONAL ENGINEER

HILLSIDE AVENUE

N.L. Twenty-First to N.L. Twenty-Seventh

48' of 8" Concrete + Curb

City of Wichita, Kansas

B.E. Smith — City Engineer

Date: [illegible] 1963 — Project No. C12-45

(2)

NOTE: Engineer to set all grades shown in intersection.

N

P.I. 250'V.C. 180.40

P.I. 180'V.C. 178.70

+2.130%

-1.772%
wk. gr. = +0.10

-1.008%
wk. gr. = +0.10

Note- Construct 6" Concrete Slab drs. from bk wk. to existg slab @ W.R.

TWENTY-SECOND ST.

TWENTY-THIRD ST.

50' R/W

℄ Crown

+36 +86 7 +50 8 +50 9 +50 10 +50 11 +50 12 +50 +920'

Frame House

Garage

Garage Addn.

Rem. & Repl. 12' of Conc. Dr.

match dr.

Bk. of Proposed 48" walk

50' R/W

Cedar Hedge

See Detail Below

-1.753%
wk. gr. = match @ ℄

-1.008%
wk. gr. = match @ ℄

P.O.T. Sta. 6+86.54 • R.R. Spike on E. Hillside a N.S. 22.20 St. W.

P.I. 250'V.C. 180.85

P.I. 180'V.C. 176.20

Existing 10" V.C.P.

Rip-Rap

* Distance to be determined by parking slope.

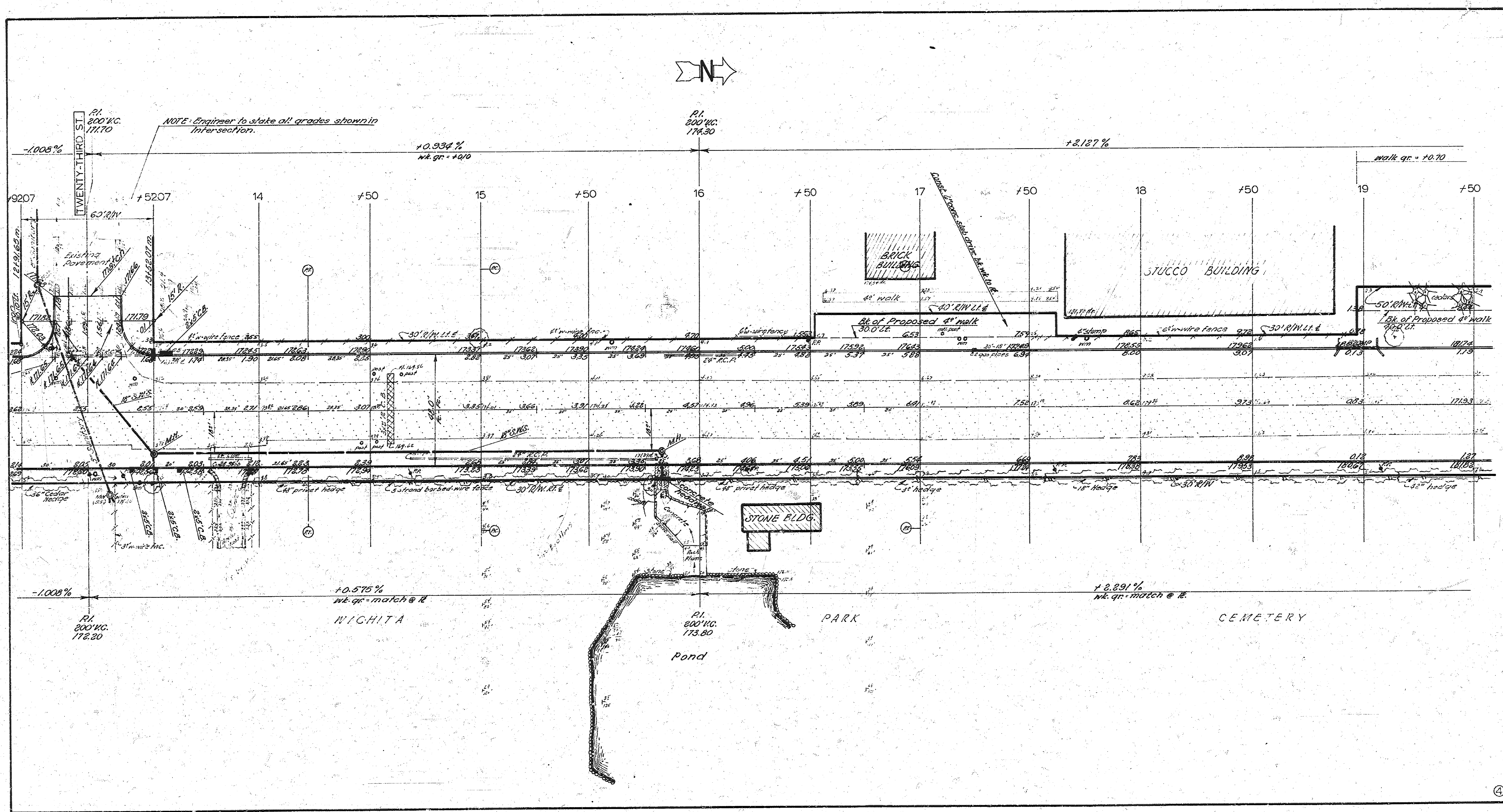
Construct broken conc. slope along east curb as shown. Slope const. to be bid by sq. ft. Engineer to meas.

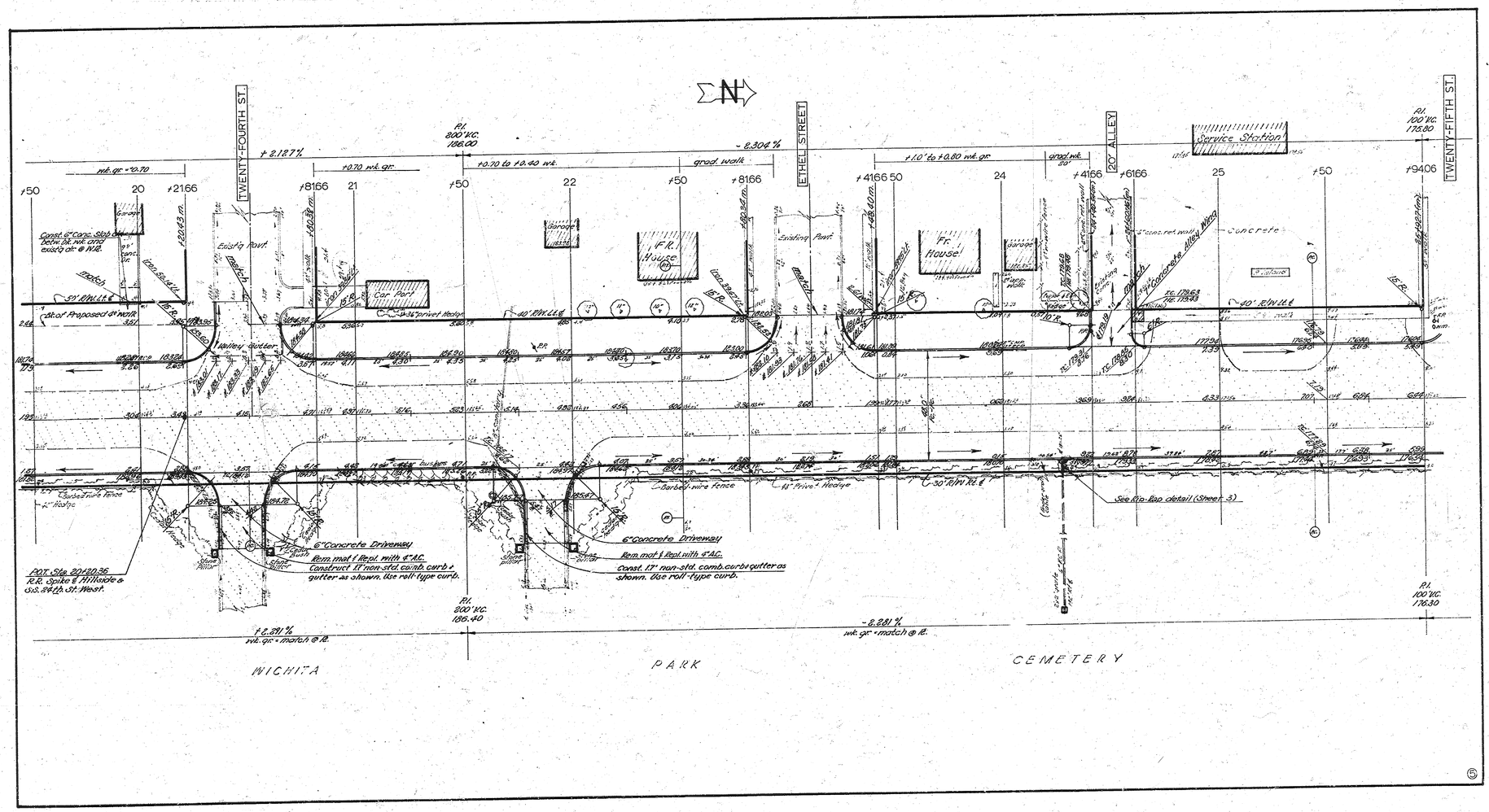
Note: Clean large holes between irregular pieces.

variable

Cut slope prior to paving, begin placing broken conc. prior to back fill.

* Min. Ht. +3'-0" - Anything below (min. ht.) to be typical parking grading


N
NOTE: Engineer to stake all grades shown in Intersection.
TWENTY-THIRD ST.
P.I. 200' V.C. 171.70
P.I. 200' V.C. 174.30
P.I. 200' V.C. 172.20
P.I. 200' V.C. 173.80
-1.008%
+0.934%
wk. gr. = +0.10
+2.127%
walk gr. = +0.70
+0.575%
wk. gr. = match @ ℄
+2.291%
wk. gr. = match @ ℄
+5207
14
+50
15
16
17
18
19
60' R/W
Existing Pavement
match
15' R.
BRICK BUILDING
4' walk
40' R/W Lt. ℄
Bk. of Proposed 4' walk
30.0' Lt.
Const. 6" conc. slab drive bk. wk. to ℄.
STUCCO BUILDING
50' R/W Lt. ℄
cedars
40.0' Lt.
30' R/W Lt. ℄
4' w-wire fence
6' w-wire fence
24" R.C.P.
18" S.W.S.
M.H.
36" Cedar Hedge
48" privet hedge
5 strand barbed-wire fence
30' R/W Rt. ℄
3' hedge
18" Hedge
42" hedge
30' R/W
concrete headwall
STONE BLDG.
Rock Flume
Stone
Pond
WICHITA
PARK
CEMETERY
4


N
TWENTY-FOURTH ST.
ETHEL STREET
20' ALLEY
TWENTY-FIFTH ST.
P.I. 200' V.C. 186.00
P.I. 200' V.C. 186.40
P.I. 100' V.C. 176.80
P.I. 100' V.C. 176.30
+2.12.7%
+0.70 to +2.40 wk.
grad. walk
-2.30¢ %
+1.0' to +0.80 wk. gr.
grad. wk.
wk. gr. +0.70
+0.70 wk. gr.
-2.281 %
wk. gr. + match @ R.
+2.211 %
wk. gr. + match @ R.
Service Station
Concrete
F.R. House
Fr. House
Garage
Car Port
Existing Pent.
Const. 6" Conc. Slab betw. bk. wk. and exist'g ctr. @ W.P.
Const. 6" Conc. Slab betw. bk. wk. and exist'g ctr. @ W.P.
match
40' R/W Lt.
50' R/W Lt.
15' R.
10' R.
Valley Gutter
Barbed-wire fence
4" Privet Hedge
Chicken wire fence
4" Hedge
6" Concrete Driveway
Rem. mat'l & Repl. with 4" A.C.
Construct 11' non-std. comb. curb & gutter as shown. Use roll-type curb.
Const. 11' non-std. comb. curb-gutter as shown. Use roll-type curb.
See Rip-Rap detail (Sheet 5)
P.O.T. Sta. 20+20.36 R.R. Spike & Hillside & S.S. 44 Lt. St. West.
WICHITA
PARK
CEMETERY

Fr. 100' NC. 175.80

TWENTY-FIFTH ST.

Service Station

Fr. House

Fr. House

Fr. House

Concrete

20' ALLEY

Match Slab with new ch's.

Broken Concrete

Location of Removal and Re-construction to be determined in Field.

Concrete

Service Station

+0.0 wk. gr.

NO GROWN

TWENTY-FIFTH ST.

Fr. 100' NC. 176.30

-0.396%

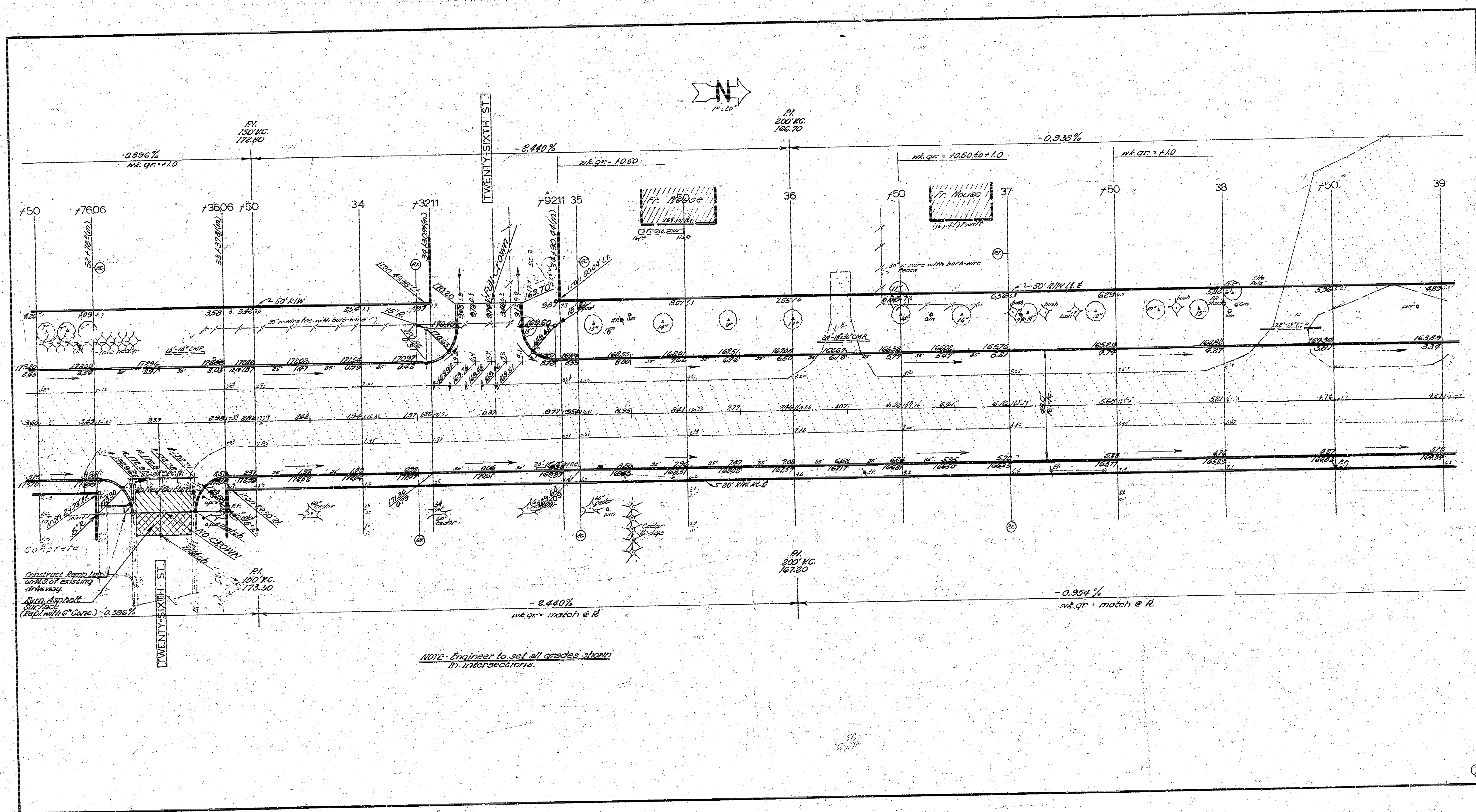
wk. gr. - match @ ld.

Tie's TO STONE & Hillside and 25th Street

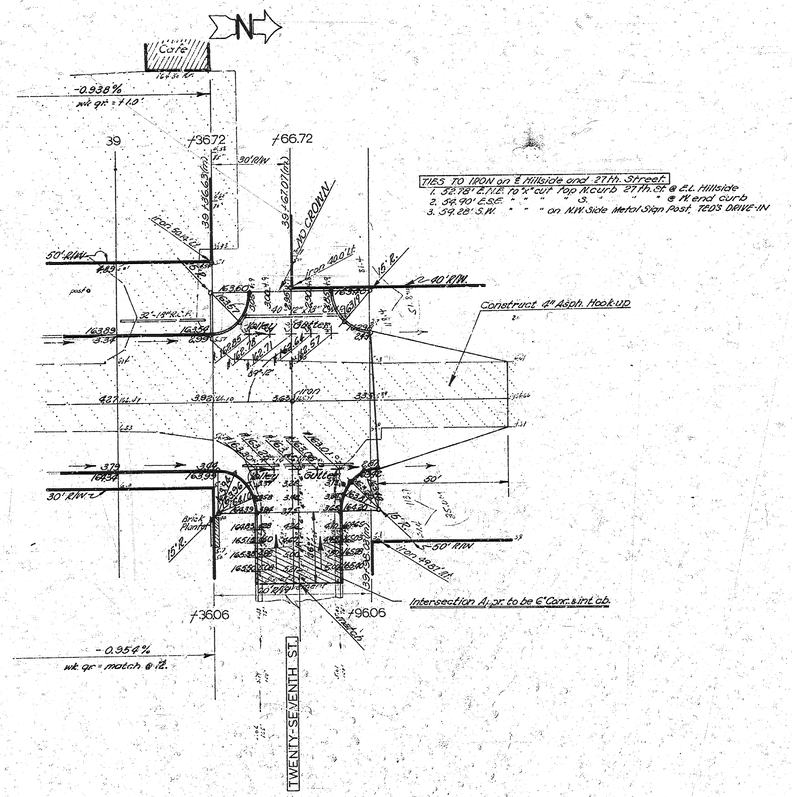
1. 72.79' N.W. to "x" cut on concrete Parking PM 1.9' W. S.E. cor. of conc.
2. 66.82' S.W. " " " top N.W. cor. conc. base to mobile sign.
3. 30.29' W. " " " on N. ℄ 25th. St. concrete pavement.

Note: Rems Repl. concrete dr. as shown with property owners permission.

©



N
1"=20'
TWENTY-SIXTH ST.
P.I. 150' V.C. 172.80
-0.396%
wk. gr. = +1.0
-2.440%
wk. gr. = +0.50
P.I. 200' V.C. 166.70
-0.938%
wk. gr. = +0.50 to +1.0
wk. gr. = +1.0
+50
+76.06
+36.06
34
+32.11
+92.11
35
36
37
38
39
Fr. House
Full Crown
50' R/W
30" w-wire fnc. with barb-wire
30" w-wire with barb-wire fence
50' R/W Lt. ℄
18"-18" CMP
24-18"x30" CMP
rose hedge
Cedar Hedge
60" cedar
bush
Lite Pole
post
Valley Gutter
NO CROWN
match
Concrete
30' R/W Rt. ℄
40.0' F. to F.
Construct Ramp Lug on W.S. of existing driveway.
Rem. Asphalt Surface (Repl. with 6" Conc.) -0.396%
P.I. 150' V.C. 173.30
P.I. 200' V.C. 167.20
-2.440%
wk. gr. = match @ ℄
-0.954%
wk. gr. = match @ ℄
NOTE - Engineer to set all grades shown in intersections.
⑦


N
Cafe
-0.938%
ver. gr. = 7.10'
39
f 36.72
f 66.72
30' R/W
39'-6" CROWN
50' R/W
2-40' R/W
TIES TO IRON on E. Hillside and 27th. Street.
1. 32.78' E.N.E. to ¾" cut Top N.curb 27th. St. @ E.L. Hillside
2. 54.90' E.S.E. " " " 3. " " " @ N. end curb
3. 54.28' S.W. " " " on N.W. Side Metal Sign Post, TODS DRIVE-IN
Construct 4" Asph. Hook-up
Intersection Angle to be 6° Conc. & Int. Ab.
Brick Plant
f 36.06
f 96.06
-0.95 6%
ver. gr. = match @ 12.
TWENTY-SEVENTH ST.