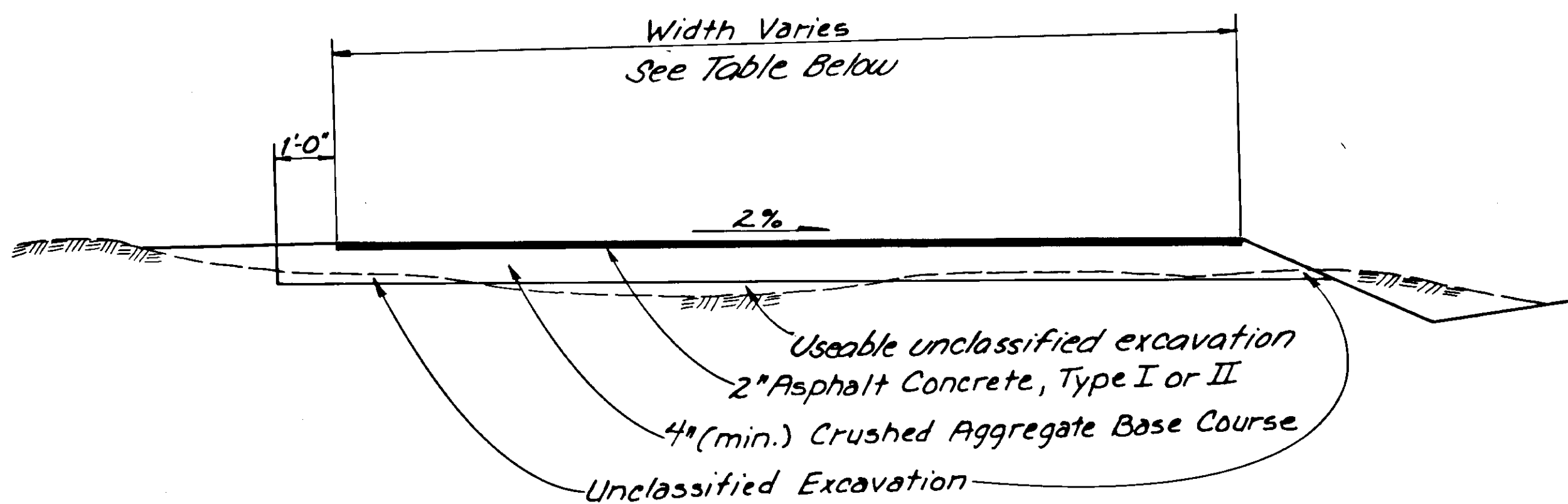


**TYPICAL SECTION**  
9+50 TO 57+80



**"A" LINE**  
**TYPICAL SECTION**  
"A" 0+10 TO "A" 18+20  
9+90

STATION TO STATION	WIDTH	
0+10	13+90	14'
14+30	16+10	10'
16+70	18+20	20'

STATION TO STATION	TYPE	CROSS SLOPE	
		LT.	RT.
BOP to Sta. 20+60	Normal Crown	-2%	-2%
Sta. 21+00 to Sta. 22+00	Super Elev.	-4%	+4%
Sta. 22+00 to Sta. 29+50	Constant Cross slope	+2%	-2%
Sta. 30+50 to Sta. 39+00	Normal Crown	-2%	-2%
Sta. 40+00 to Sta. 47+25	Constant Cross slope	+2%	-2%
Sta. 48+00 to Sta. 51+00	Super Elev.	-4%	+4%
Sta. 52+00 to E.O.P.	Normal Crown	-2%	-2%

ITEM NO.	DESCRIPTION	UNIT	QUANT.
109 (2)	DBE adjustments	C.S.	All Req'd
202(1)	Removal of Structures & Obstructions	L.S.	All Req'd
203 (11)	Roadway Excavation	L.S.	All Req'd
203 (12)	Special Ditching	Sta.	13
203 (13)	Grading for Drainage (CO#3)	L.S.	All Req'd
301 (1)	Crushed Aggregate Base Course	Ton	3500 4190
401 (6)	Asphalt Pavement	S.Y.	12,500
401 (1)	Asphalt Trice Reduction (CO#4)	L.S.	All Req'd
603 (1-12)	12" Corrugated steel pipe	L.F.	+50 160
603 (1-18)	18" Corrugated steel pipe	L.F.	+20 165
603 (1-24)	24" Corrugated steel pipe	L.F.	706 110
603 (4)	Plastic Pipe (CO#4)	L.F.	186
604 (4)	Adjust exist. manhole	Ea.	20 21
604 (8)	Field Inlet	Ea.	4 5
627 (10)	Adjustment of Valve box	Ea.	8
640 (1)	Mobilization & Demobilization (CO#1)	L.S.	All Req'd
642 (1)	Construction Surveying	L.S.	All Req'd
643 (2)	Traffic Maintenance	L.S.	" "
643 (18)	Watering Not Used	Gal.	25

**GENERAL NOTES:**

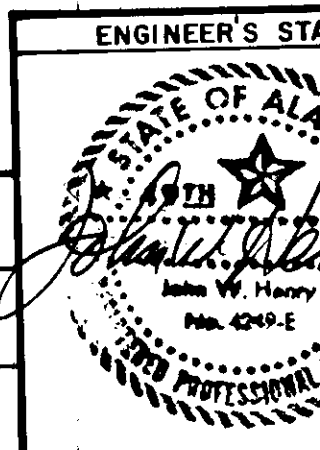
- Horizontal and vertical alignment will follow the existing roadway.
- Pipe locations are approximate and may require field adjustment.
- Ditching is required to drain as indicated on the plans. Ditch may vary accordingly to provide positive flow; no ponding shall occur.
- Useable excavation shall be compactable, and not contain sod or other deleterious material.
- All transitions shall be linear as indicated in the Slope Table.
- The "A" line Typical shall be used on 2nd and 3rd streets. All pavement width changes shall smoothly transition between sections.
- Survey monuments (REBAR with no CAP) were left under Asphalt, tied, and undisturbed; then PK Nail was set in pavement to mark where existing REBAR is to be found.

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
& PUBLIC FACILITIES  
SOUTHEAST REGION DESIGN & CONSTRUCTION

**KAKE CITY STREETS**  
**TYPICAL SECTION**

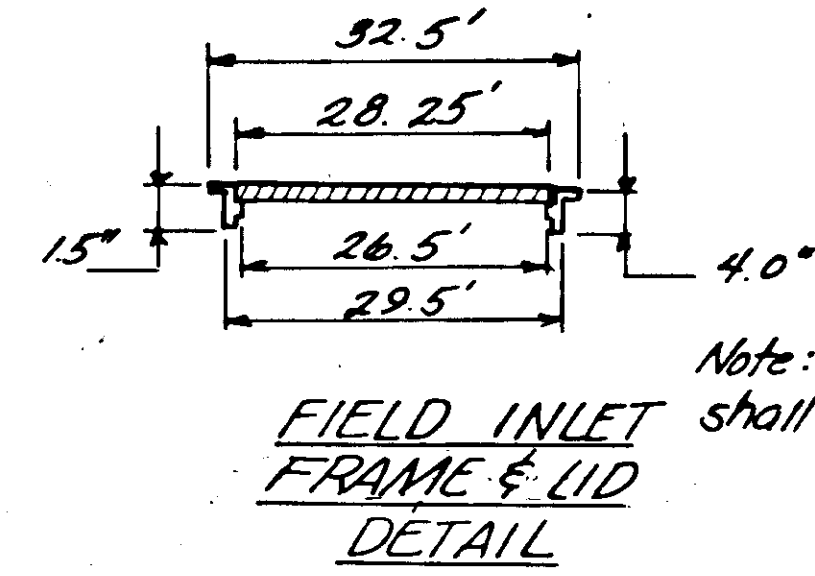
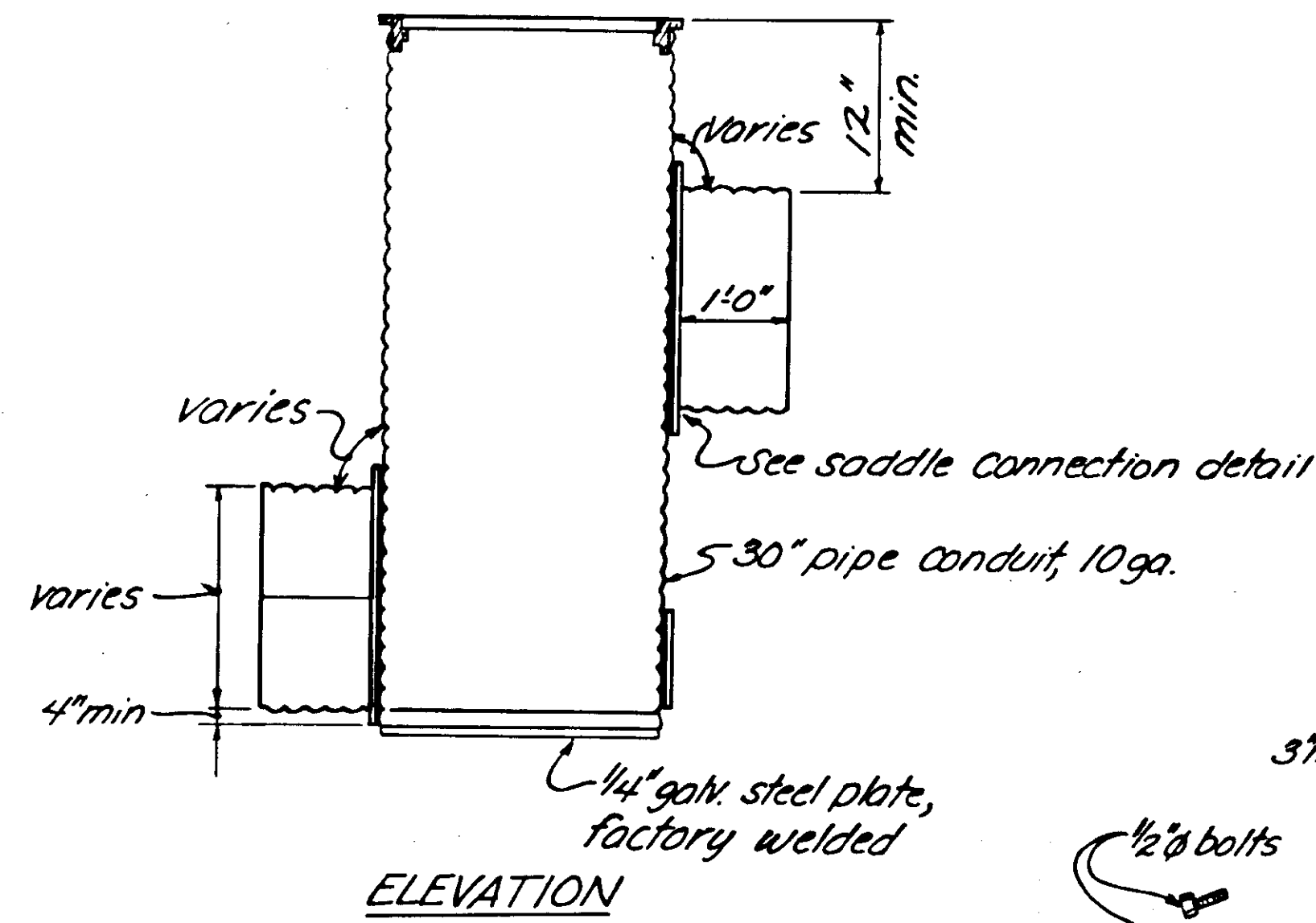
APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
DESIGN GROUP CHIEF  
RECOMMENDED BY: *John W. Henry* DATE: *7-5-19*  
DESIGN ENGINEER, GROUP B  
PREPARED BY: *Tracy W. Moore* DATE: \_\_\_\_\_  
PROJECT MANAGER LEAD DESIGNER

DESIGNED BY: \_\_\_\_\_ SCALE: \_\_\_\_\_  
DRAWN BY: *RS/cb* DATE: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_ SHEET 2 OF 12

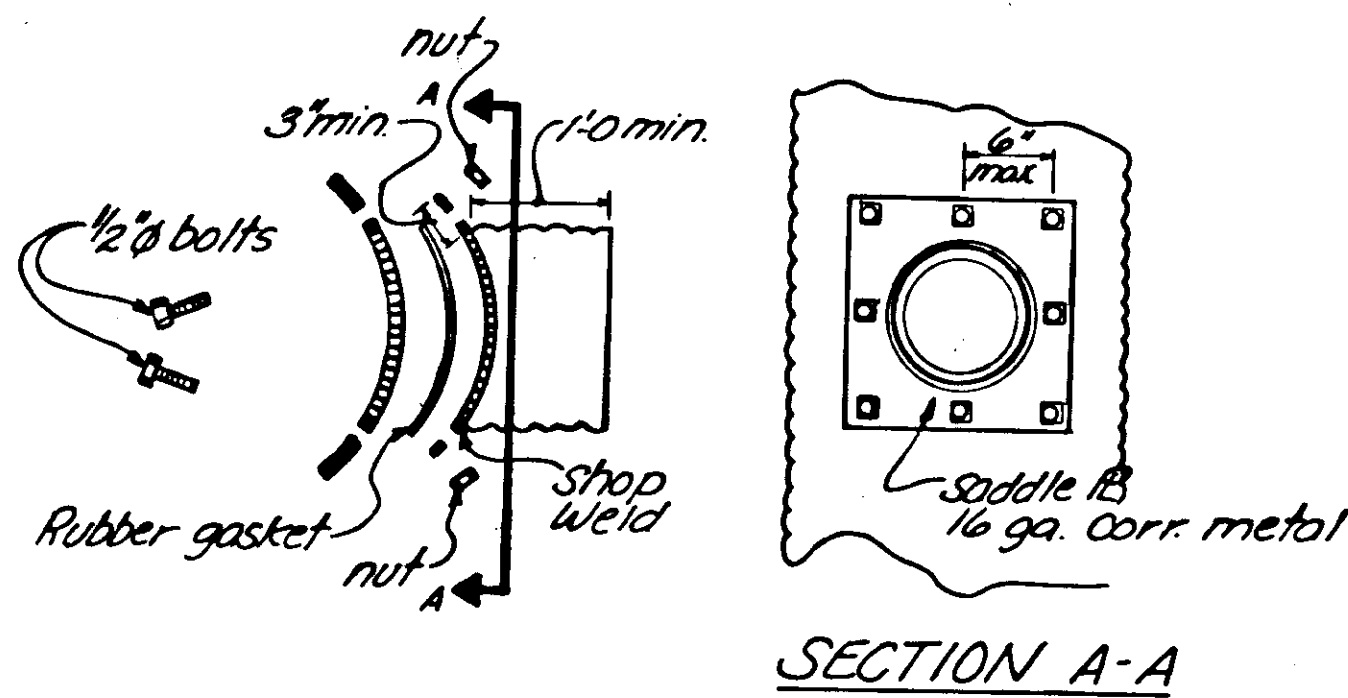


ALL SUPPLIES 11/2019

BY	DATE	DESCRIPTION OF CHANGE

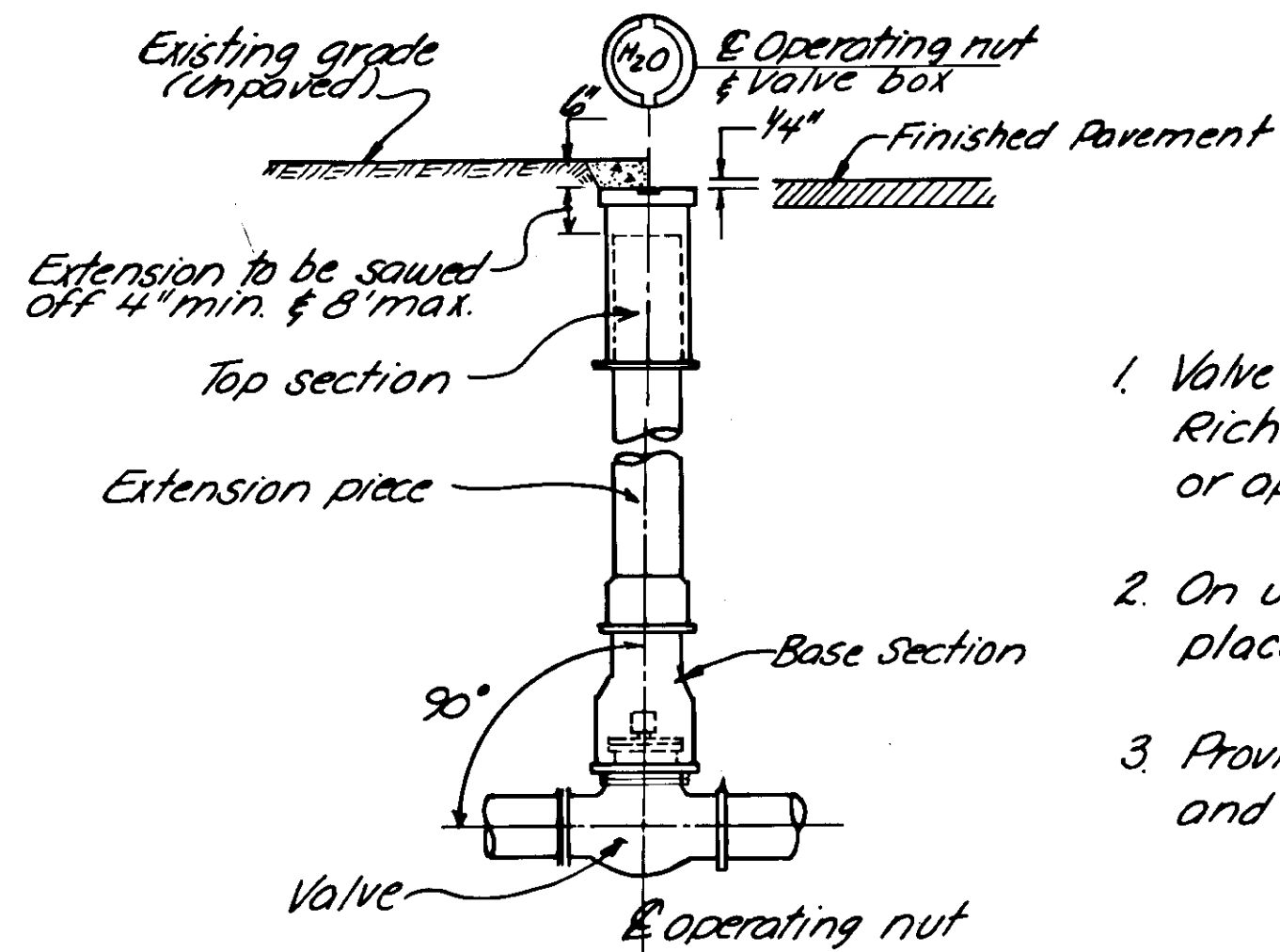


SADDLE CONNECTION DETAIL



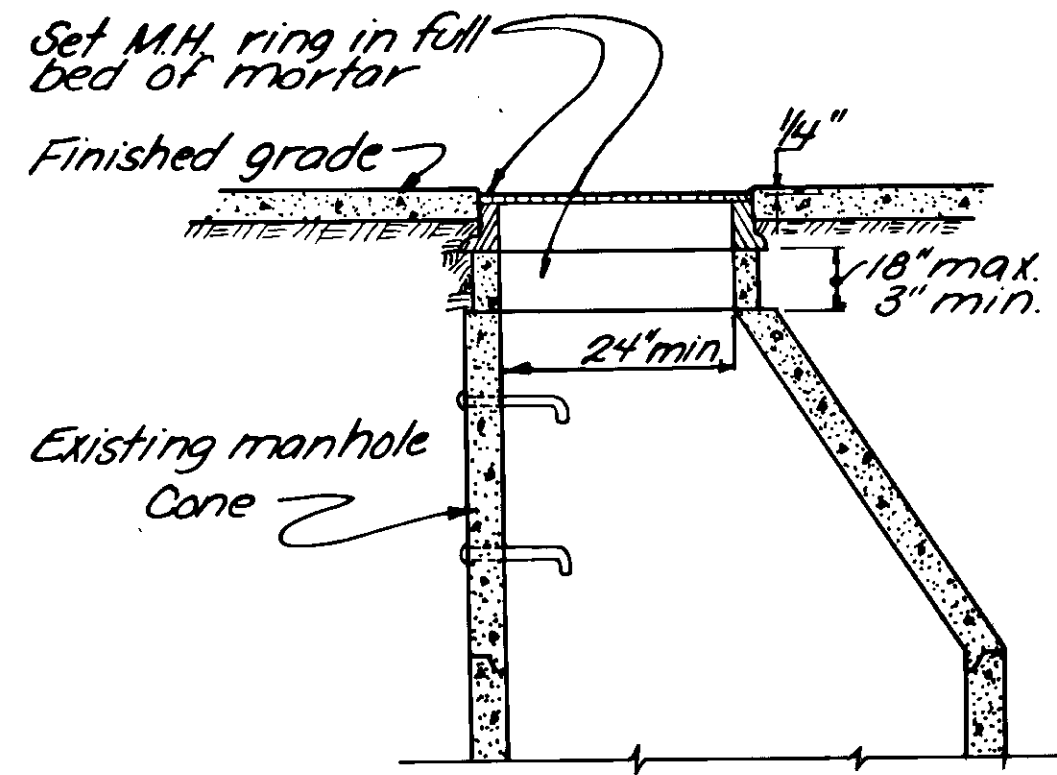
SECTION A-A

- NOTES**
1. See Plans for locations of field inlets.
  2. The contractor determines elevation of field inlet and stub-out locations. Field cutting and welding is approved. All field welds shall be treated with galvacon paint or approved equal.
  3. The rubber gasket used in the saddle connection shall conform to Section 705-2.05 of the Standard Specifications.
  4. The lid shall be a bicycle approved lid or as approved by the Engineer.



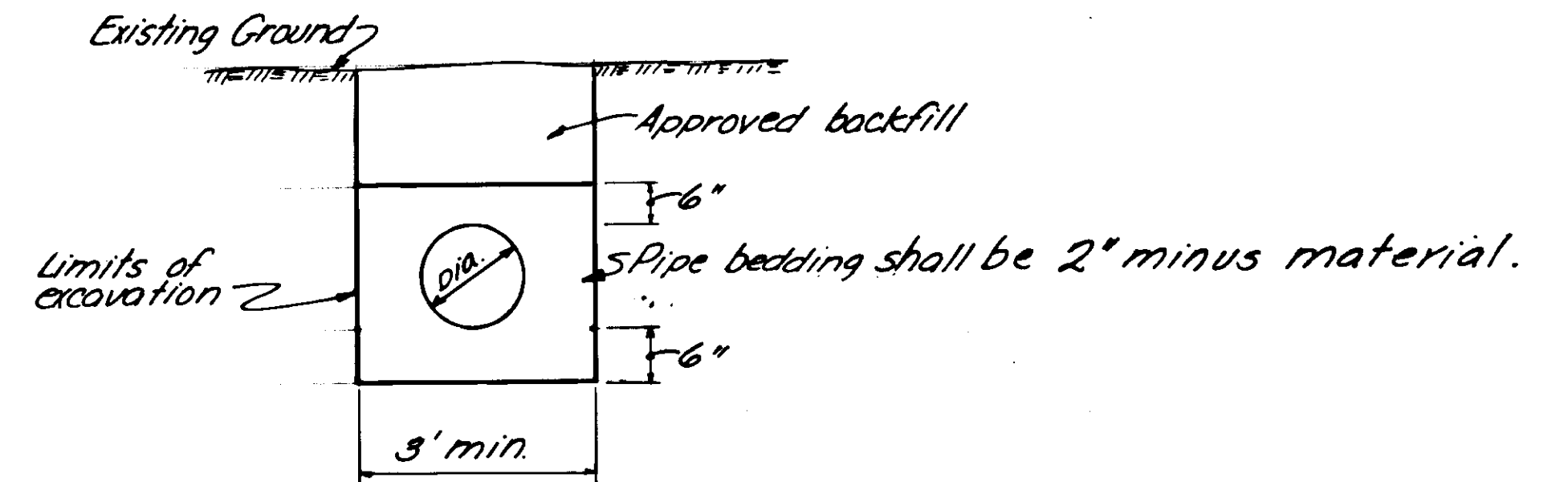
TYPICAL VALVE BOX

- NOTES**
1. Valve box & extension to be Rich MFG. Co No. 940-B or approved equal.
  2. On unpaved installations, place top of lid 6" below grade.
  3. Provide ties to curb stop and corp stop.



MANHOLE RING ADJUSTMENT

Remove M.H. ring & add or remove precast rings as required to meet finish grade. 18" max. from top step to cover.



PIPE BACKFILL AND BEDDING DETAIL

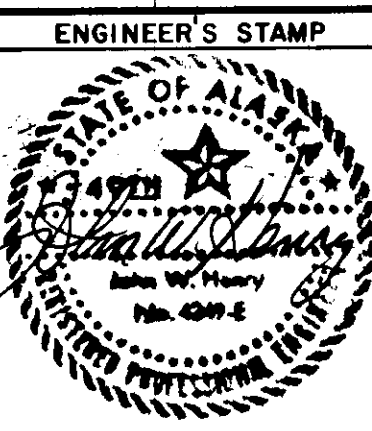
DRAINAGE SUMMARY		UTILITY ADJUSTMENT SUMMARY	
STATION	REMARKS	STATION	REMARKS
15+30 Lt.	Jack out damaged end of exist. culvert	9+86 Lt. 95	Adjust man hole
25+55 Lt.	Adjust & clean out exist. inlet	12+42 Lt. 48	Adjust manhole
30+60 E.	Install new 24" x 36' cmp	15+10 Lt. 15+20	Adjust manhole
30+60 Lt.	Install new inlet	15+42 Rt. 58	Adjust Valve Box
34+10 Lt.	Install new 12" x 30' cmp. Delete	18+10 Lt. 28	Adjust manhole
35+05 E.	Install new 18" x 60' cmp	20+22 Lt. 29	Adjust valve box
35+00 Rt.	Install new inlet	20+90 Rt. 38	Adjust manhole
35+10 Lt.	Install new inlet	23+70 Lt.	Adjust valve box
35+15 Rt.	Install new 18" x 20' cmp	24+55 Rt. 65	Adjust manhole
36+80 E.	Install new 18" x 40' cmp	25+65 Lt. 84	Adjust valve box
42+25 E.	Install new 24" x 28' cmp	28+50 E. 52	Adjust manhole
43+30 Lt.	Install new 12" x 10' cmp 10' Plastic Pipe	29+36 Lt. 42	Adjust Valve box
43+90 Lt.	Install new 12" x 24' cmp	29+65 Rt. 73	Adjust manhole
48+50 E.	Install new 24" x 42' cmp	31+60 E. 67	Adjust manhole
49+00 Lt.	Install new 12" x 12' cmp	33+95 Lt.	Adjust Valve box
51+50 Lt.	Jack out damaged end of exist. cmp	34+55 Rt. 68	Adjust manhole
48+60		33+21 Rt.	Adjust Manhole
43+53		38+50 E. 60	Adjust manhole
42+44		41+60 Rt. 65	Adjust manhole
43+50		44+55 Lt. 67	Adjust manhole
48+60		46+70 E. 61	Adjust manhole
43+90 Lt.	Install new 12" x 24' cmp	49+70 Rt. 64	Adjust Valve box
48+50 E.	Install new 24" x 42' cmp	52+80 E. 81	Adjust man hole
49+00 Lt.	Install new 12" x 12' cmp	52+90 Lt. 88	Adjust Valve box
51+50 Lt.	Jack out damaged end of exist. cmp	53+65 Lt. 62	Adjust man hole
21+1190 Lt.	Repair broken top of exist. inlet OK	55+60 Lt. 67	Adjust man hole
"A" 15+30 Lt.	Install new inlet, hook into exist. cmp		
"A" 15+50 Lt.	Install new 12" x 48' - emp Plastic		
"A" 18+00 Lt.	Install new 12" x 26' cmp		
18+00 Lt.	New Plastic 44'		
18+76 Lt.	New 18" x 10' CMP		
21+60	New 12' x 50' CMP		
22+00 Lt.	New Plastic 20'		
29+00 Lt.	New Plastic 18'		
29+50 Rt.	New 12' x 50' CMP		
33+00 Rt.	New Plastic 21'		
35+50 Lt.	New Plastic 20'		
40+89	New 18' x 35' CMP		
42+50 Lt.	New Plastic 5'		
18+80 Rt.	New Inlet		
		12+79	
		"A" 11+75 Rt.	Adjust manhole
		"A" 16+00 Rt.	17+23 "
		"A" 17+70 Lt.	18+81 "

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
& PUBLIC FACILITIES  
SOUTHEAST REGION DESIGN & CONSTRUCTION

KAKE CITY STREETS  
MISC. DETAILS

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
DESIGNED BY: T.W. Moore  
RECOMMENDED BY: \_\_\_\_\_ DATE: 7-5-89  
DESIGN ENGINEER, GROUP 18  
PREPARED BY: T.W.M. PROJECT MANAGER  
C.R.L. LEAD DESIGNER

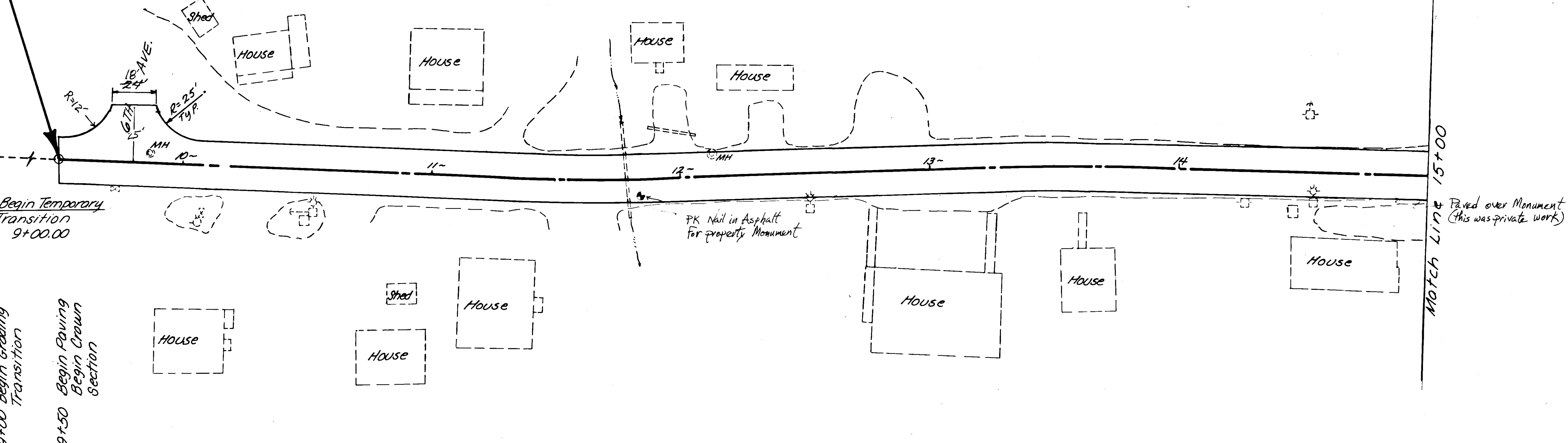
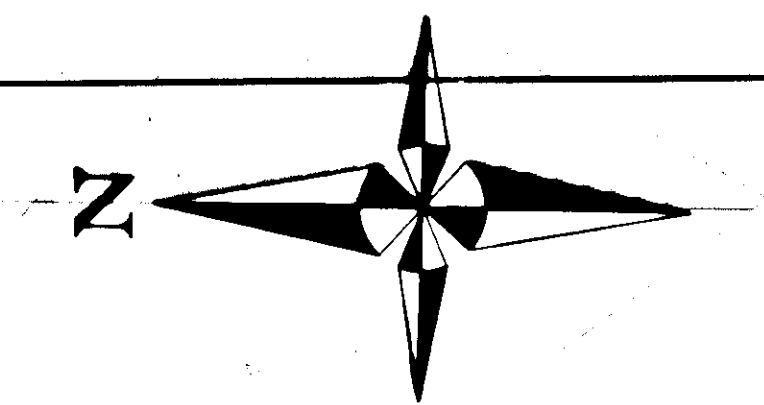
SCALE: NONE  
DRAWN BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
SHEET 3 OF 12



BY	DATE	DESCRIPTION OF CHANGE

**BEGIN PROJECT**

9+50.00  
70061



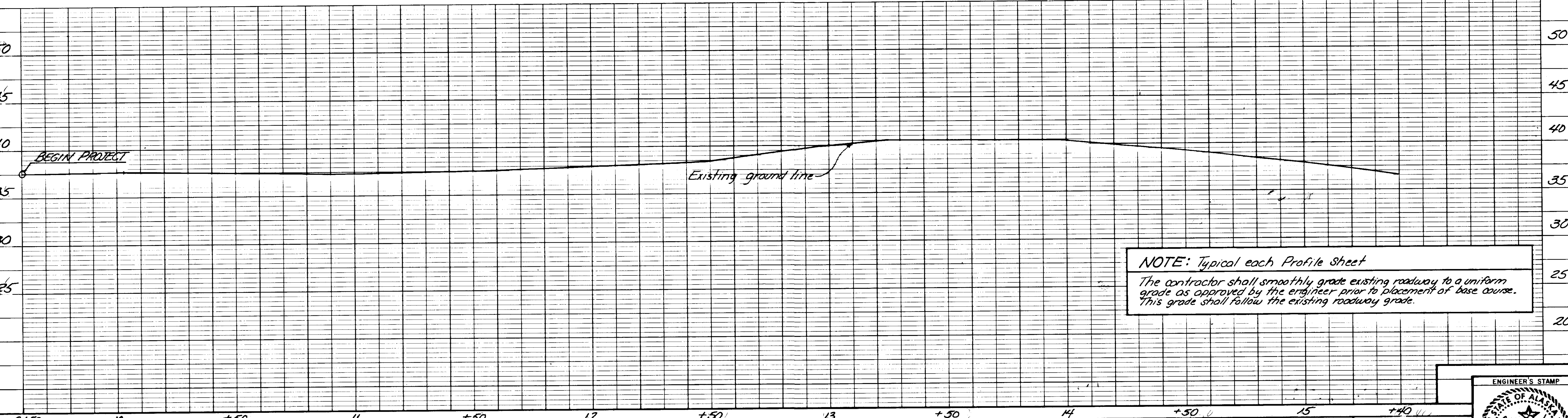
Begin Temporary Transition 9+00.00

9+50 Begin Paving Begin Crown Section

MATCH LINE 15+00

Paved over Monument (this was private work)

PK Nail in Asphalt for property Monument



**NOTE: Typical each Profile Sheet**  
The contractor shall smoothly grade existing roadway to a uniform grade as approved by the engineer prior to placement of base course. This grade shall follow the existing roadway grade.

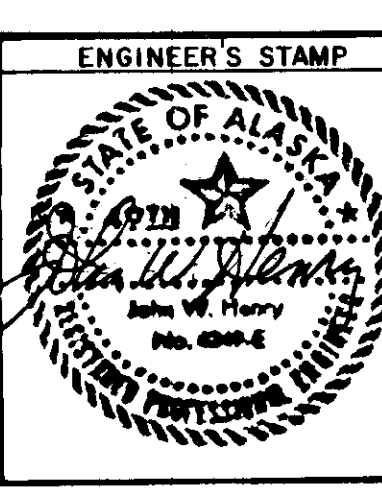
DATE	DESCRIPTION OF CHANGE

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
SOUTHEAST REGION DESIGN & CONSTRUCTION

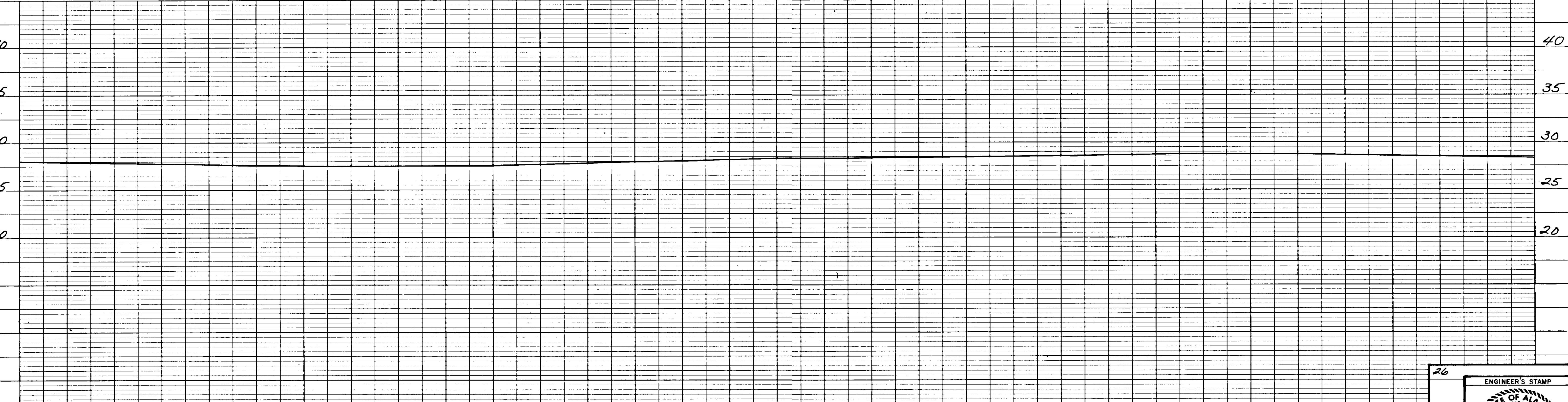
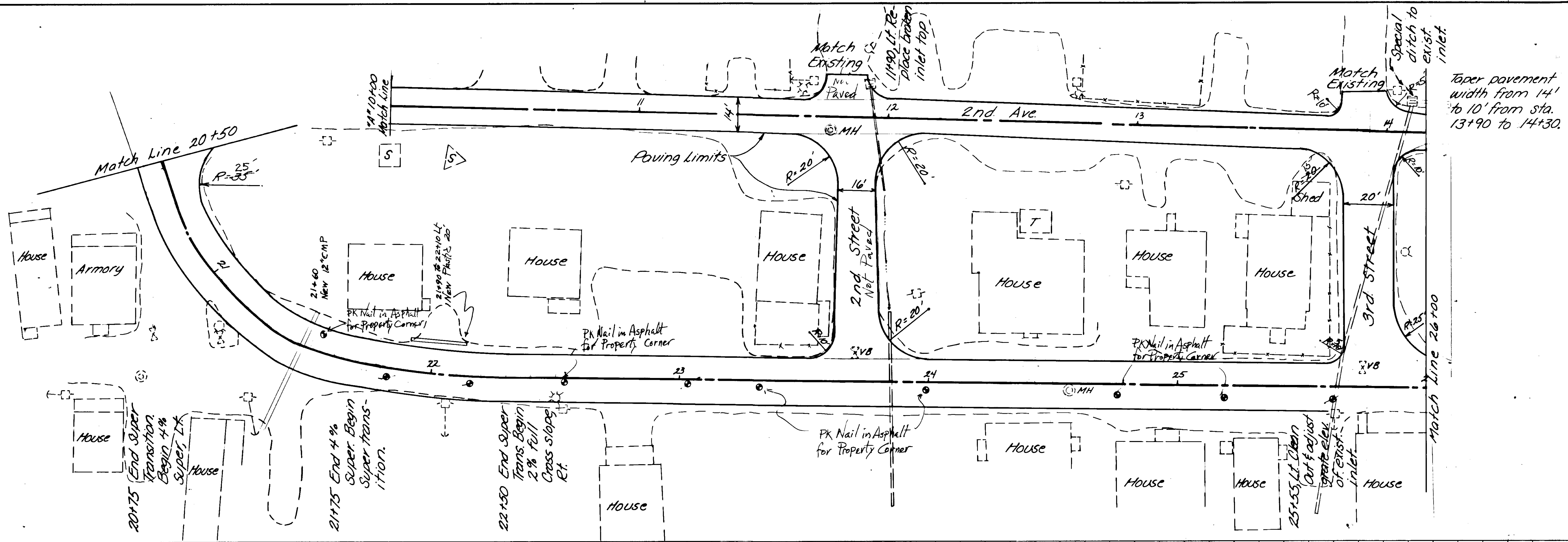
# KAKE CITY STREETS PLAN AND PROFILE

APPROVED BY: \_\_\_\_\_  
DESIGNED BY: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
PROJECT MANAGER: \_\_\_\_\_  
LEAD DESIGNER: \_\_\_\_\_

HORIZ. SCALE: \_\_\_\_\_  
VERT. SCALE: \_\_\_\_\_  
DATE: \_\_\_\_\_  
SHEET # OF 12







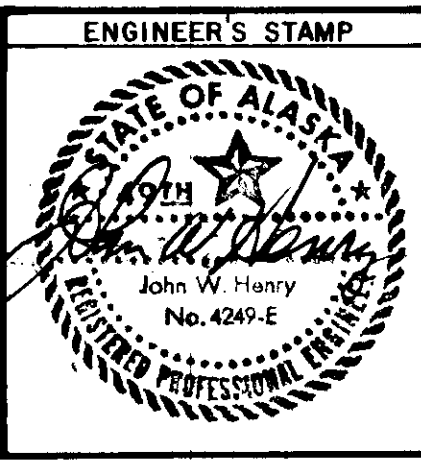
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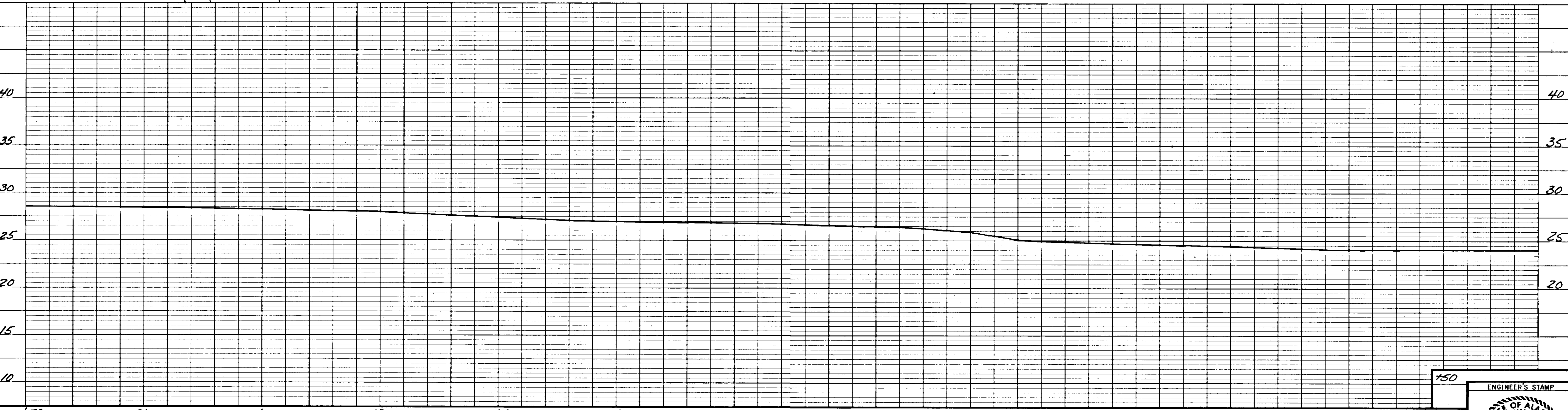
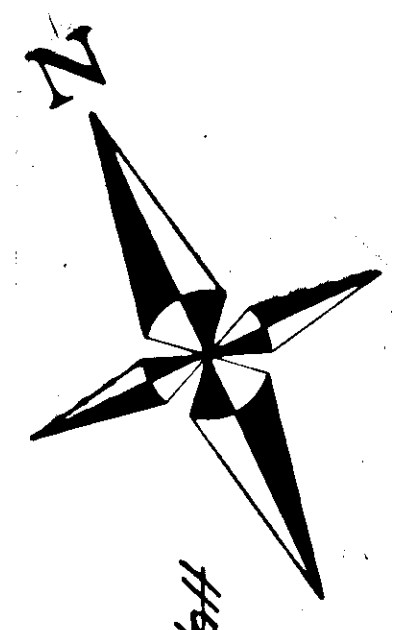
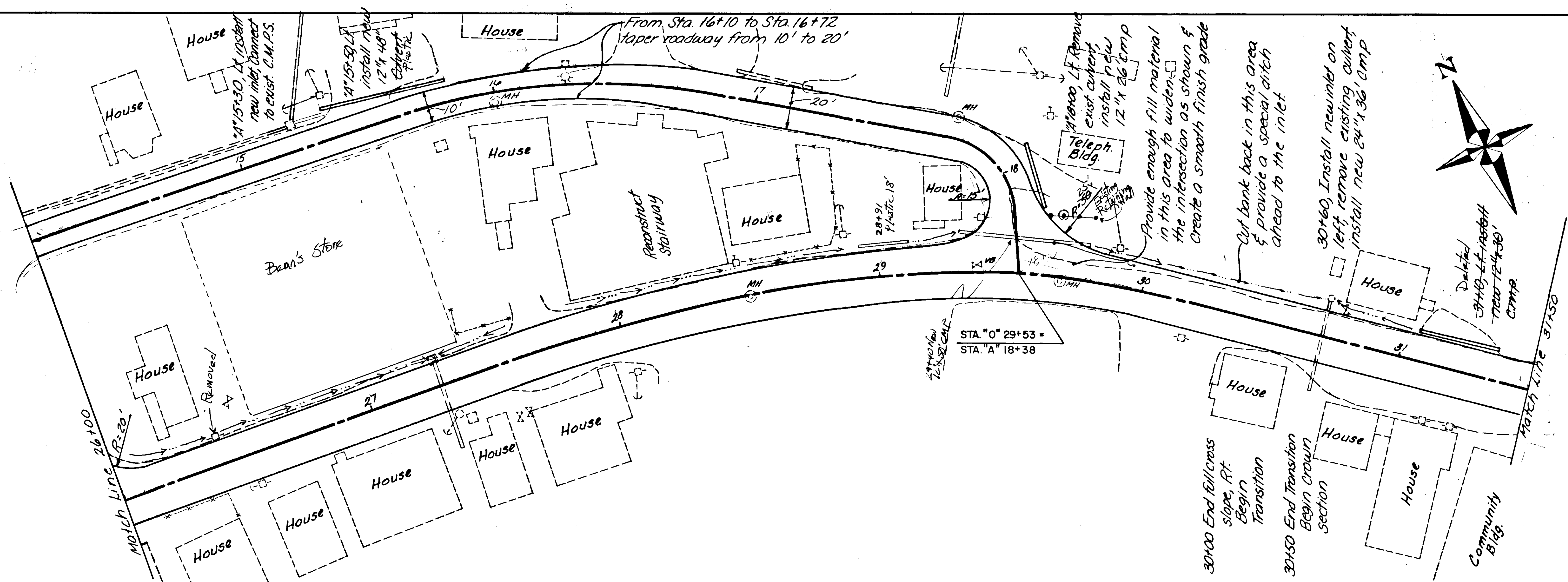
STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 & PUBLIC FACILITIES  
 SOUTHEAST REGION DESIGN & CONSTRUCTION

# KAKE CITY STREETS PLAN AND PROFILE

APPROVED BY: \_\_\_\_\_  
 DESIGN GROUP CHIEF  
 DATE: \_\_\_\_\_  
 RECOMMENDED BY: *John W. Henry*  
 DATE: 7-5-89  
 PREPARED BY: TWM  
 PROJECT MANAGER  
 LRC  
 LEAD DESIGNER

DESIGNED BY: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 HORIZ. SCALE: \_\_\_\_\_  
 VERT. SCALE: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 SHEET 6 OF 12





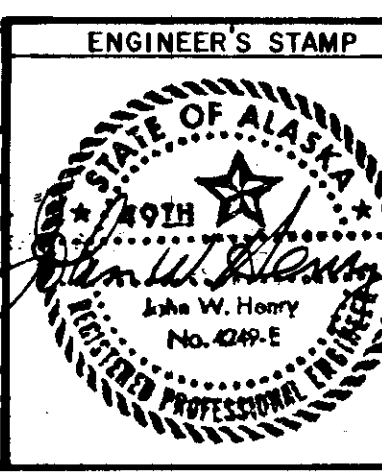
BY	DATE	DESCRIPTION OF CHANGE
RECORD OF REVISIONS		

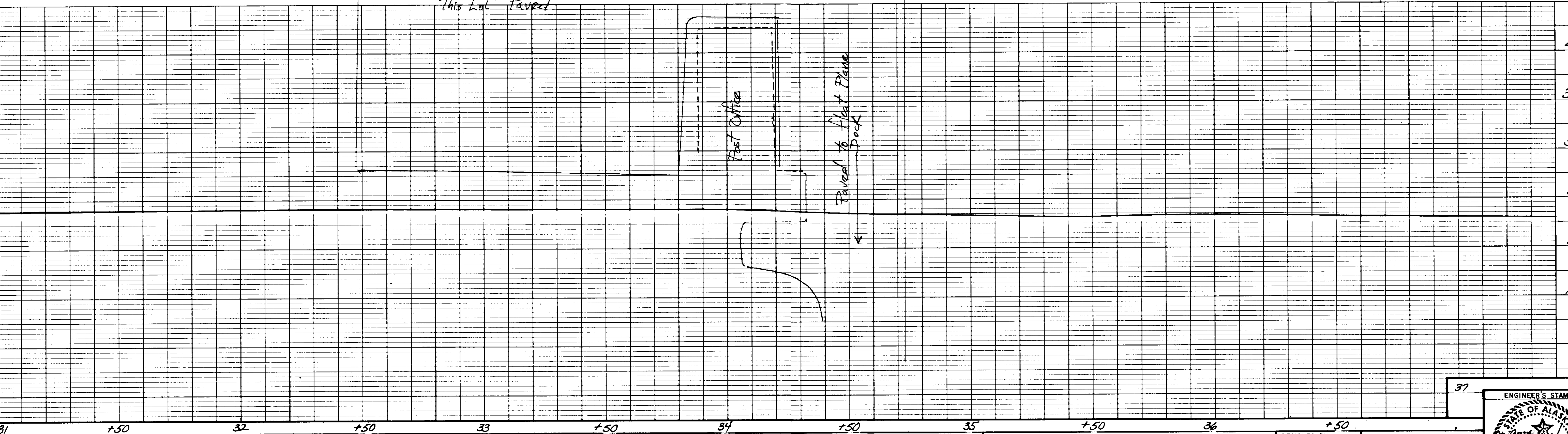
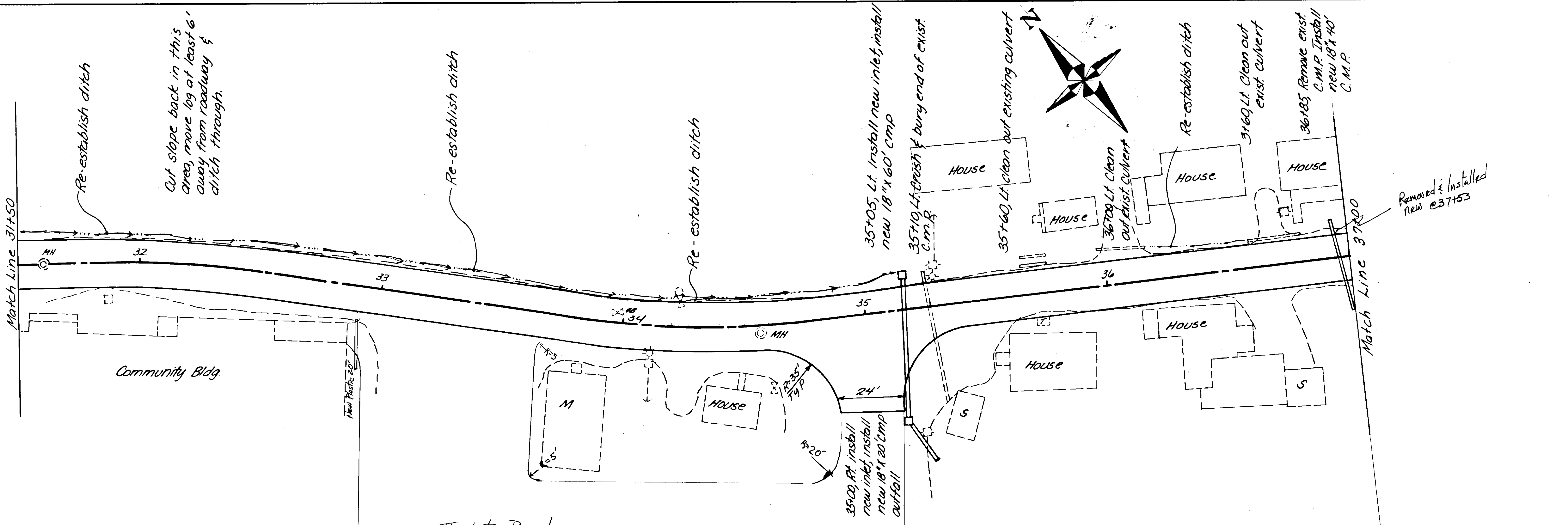
STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 & PUBLIC FACILITIES  
 SOUTHEAST REGION DESIGN & CONSTRUCTION

# KAKE CITY STREETS PLAN AND PROFILE

APPROVED BY: \_\_\_\_\_  
 RECOMMENDED BY: *John W. Henry* DESIGN GROUP CHIEF DATE: 7-5-89  
 PREPARED BY: *T.W.M.* PROJECT MANAGER DATE: \_\_\_\_\_  
 \_\_\_\_\_ LEAD DESIGNER

DESIGNED BY: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 HORIZ. SCALE: \_\_\_\_\_  
 VERT. SCALE: \_\_\_\_\_  
 SHEET 7 OF 12





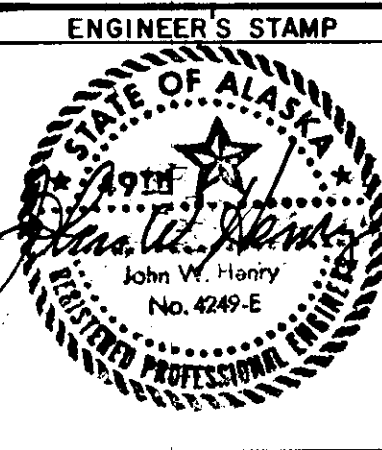
BY	DATE	DESCRIPTION OF CHANGE
RECORD OF REVISIONS		

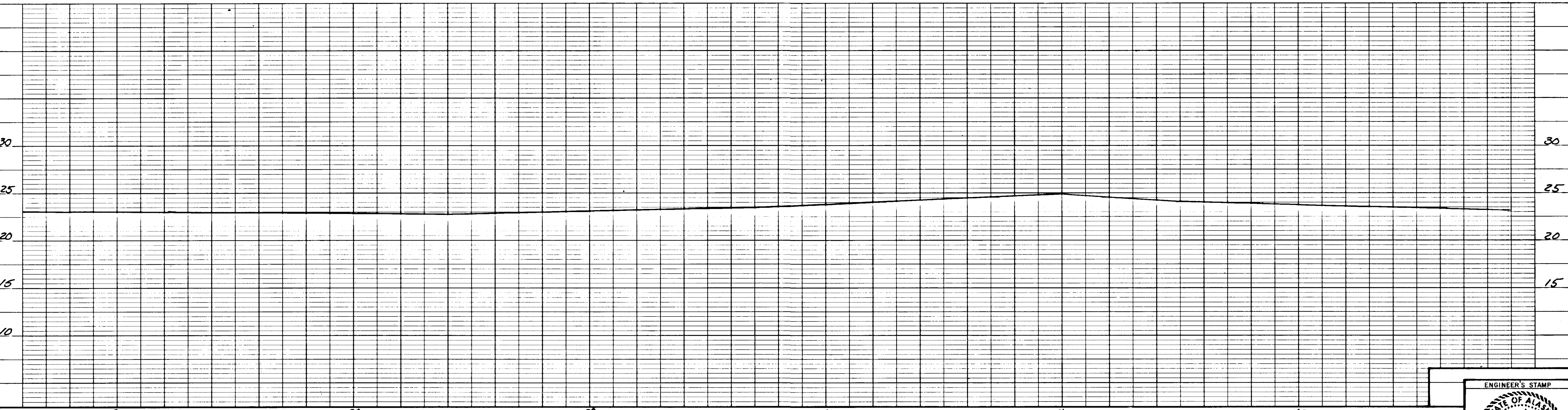
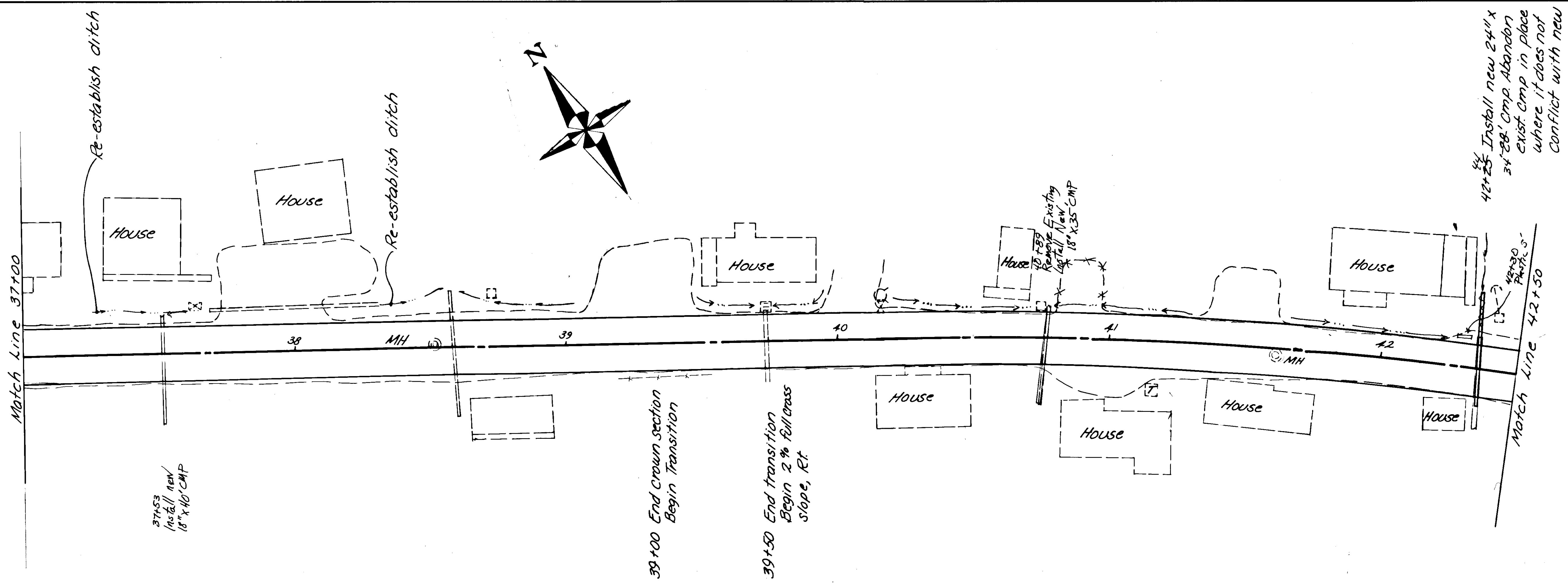
STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 & PUBLIC FACILITIES  
 SOUTHEAST REGION DESIGN & CONSTRUCTION

# KAKE CITY STREETS PLAN AND PROFILE

APPROVED BY: \_\_\_\_\_  
 DESIGN GROUP CHIEF  
 DATE: \_\_\_\_\_  
 RECOMMENDED BY: *John W. Henry*  
 ENGINEER, GROUP "A" 7-5-89  
 DATE: \_\_\_\_\_  
 PREPARED BY: *T.W.M.*  
 PROJECT MANAGER  
 GRC LEAD DESIGNER

DESIGNED BY: \_\_\_\_\_  
 HORIZ. SCALE: \_\_\_\_\_  
 VERT. SCALE: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 SHEET 8 OF 12





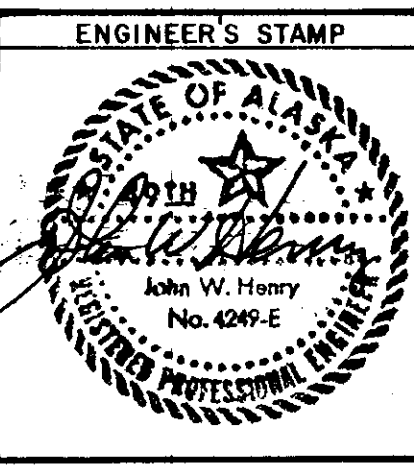
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RECORD OF REVISIONS		

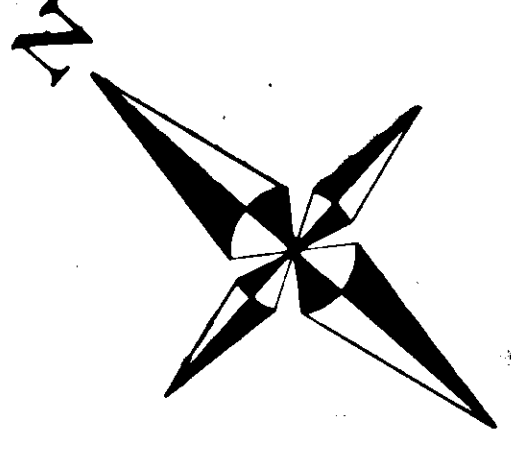
STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 & PUBLIC FACILITIES  
 SOUTHEAST REGION DESIGN & CONSTRUCTION

# KAKE CITY STREETS PLAN AND PROFILE

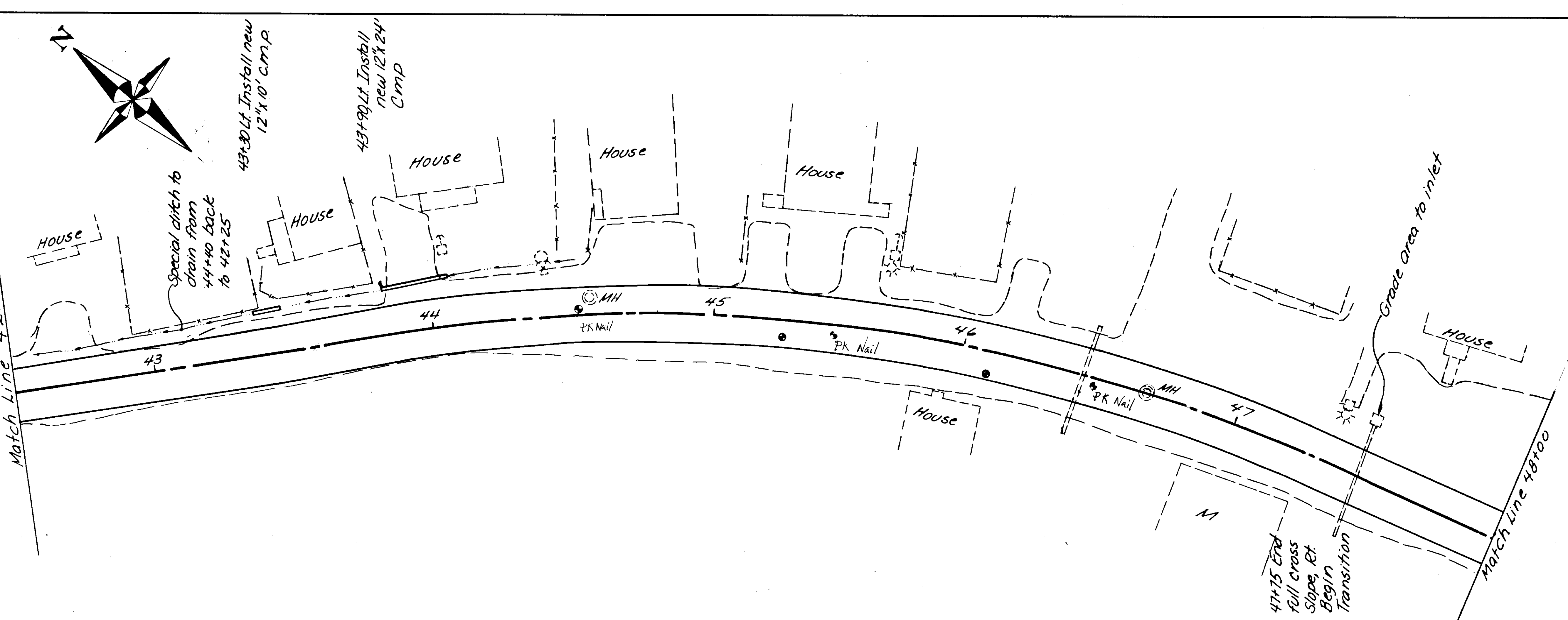
APPROVED BY: \_\_\_\_\_  
 DESIGN GROUP CHIEF DATE \_\_\_\_\_  
 RECOMMENDED BY: *John W. Henry*  
 DESIGN ENGINEER, GROUP 73 DATE 7-5-89  
 PREPARED BY: TWM PROJECT MANAGER  
 \_\_\_\_\_ LEAD DESIGNER

DESIGNED BY: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 HORIZ. SCALE: \_\_\_\_\_  
 VERT. SCALE: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 SHEET 9 OF 12

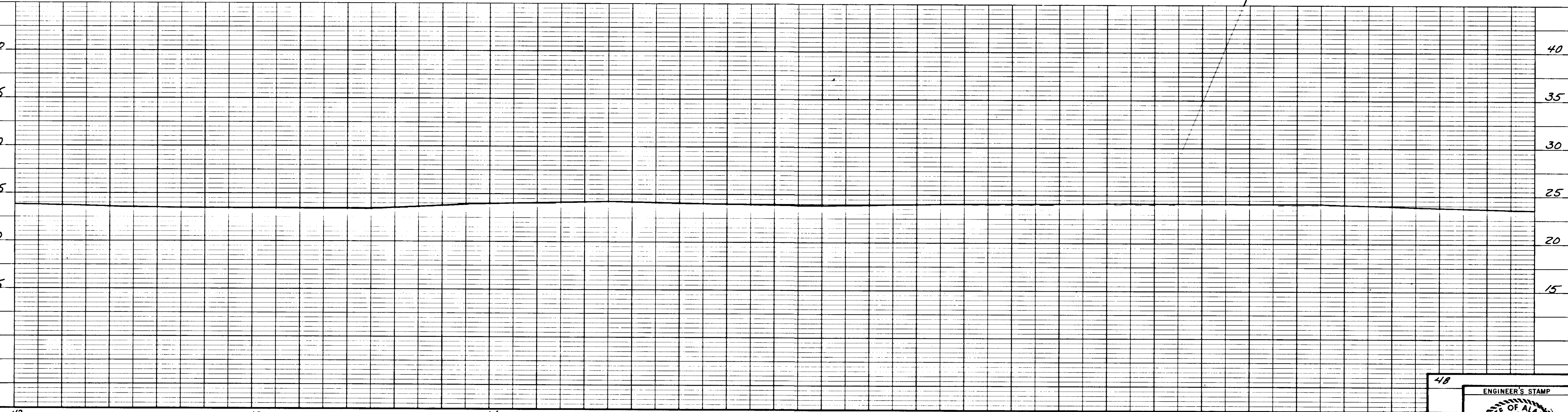




43+30 Lt. Install new  
12" x 10' C.M.P.  
43+90 Lt. Install  
new 12" x 24"  
C.M.P.



47+75 End  
Full cross  
Slope, Rt  
Begin  
Transition



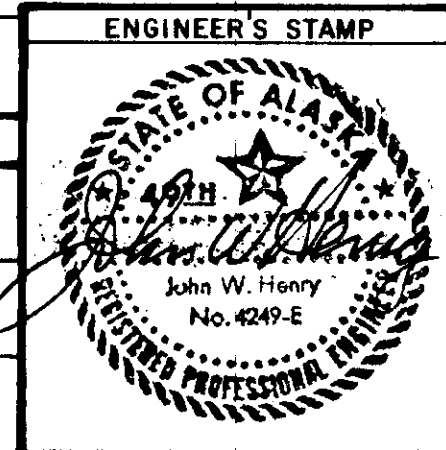
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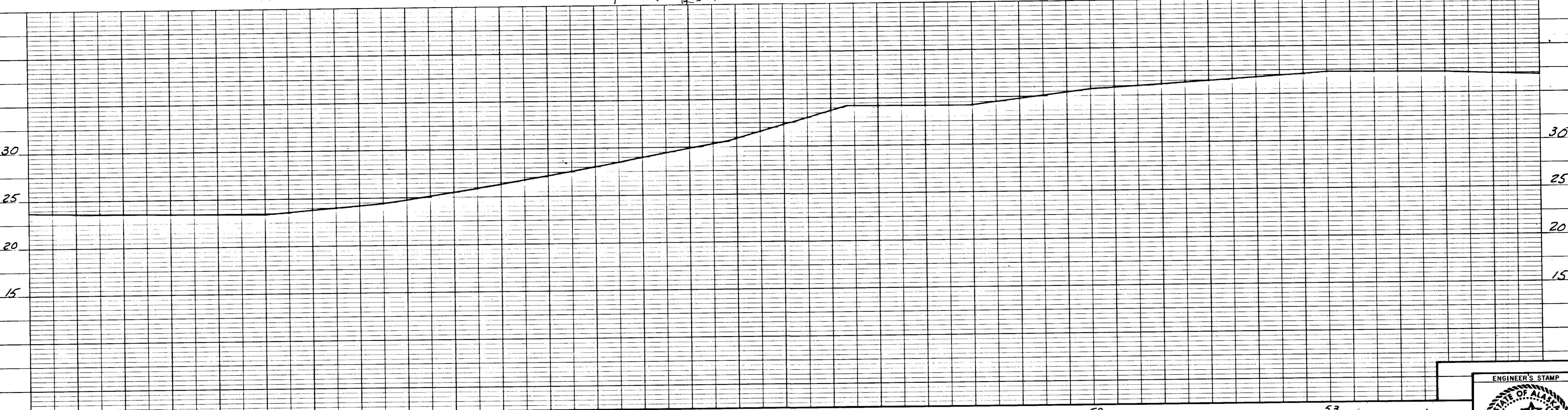
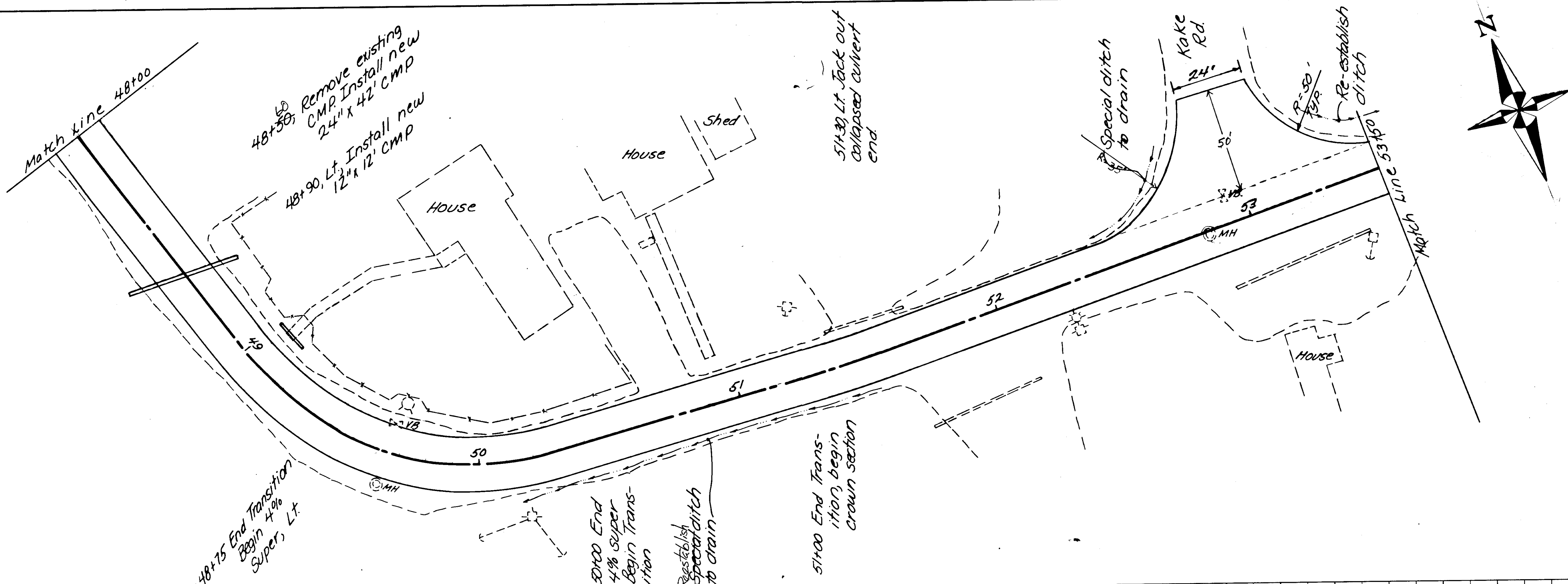
STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
& PUBLIC FACILITIES  
SOUTHEAST REGION DESIGN & CONSTRUCTION

# KAKE CITY STREETS PLAN AND PROFILE

APPROVED BY: \_\_\_\_\_  
DESIGNED BY: \_\_\_\_\_  
RECOMMENDED BY: *John W. Henry* DESIGN GROUP CHIEF DATE: 1-25-89  
PREPARED BY: *TWA* PROJECT MANAGER DATE: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
LEAD DESIGNER

HORIZ. SCALE: \_\_\_\_\_  
VERT. SCALE: \_\_\_\_\_  
DATE: \_\_\_\_\_  
SHEET 10 OF 12





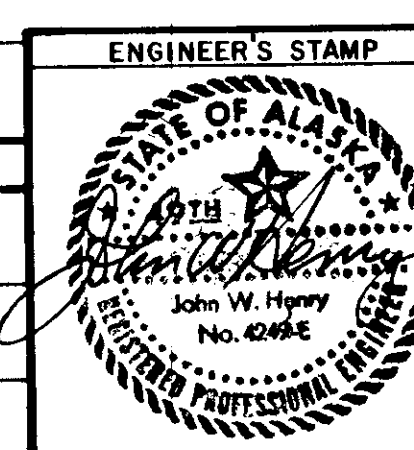
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RECORD OF REVISIONS		

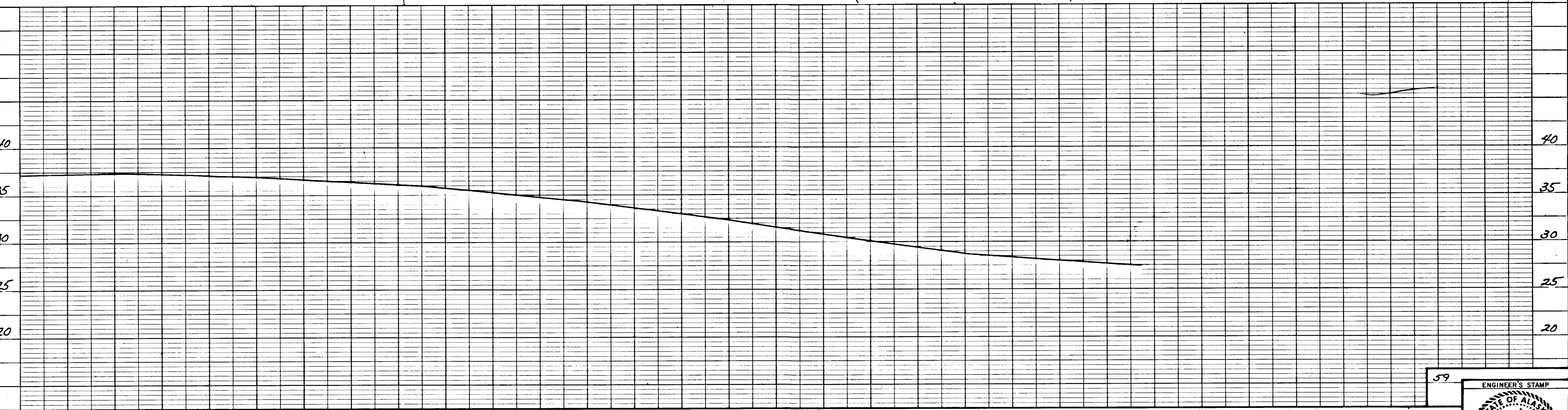
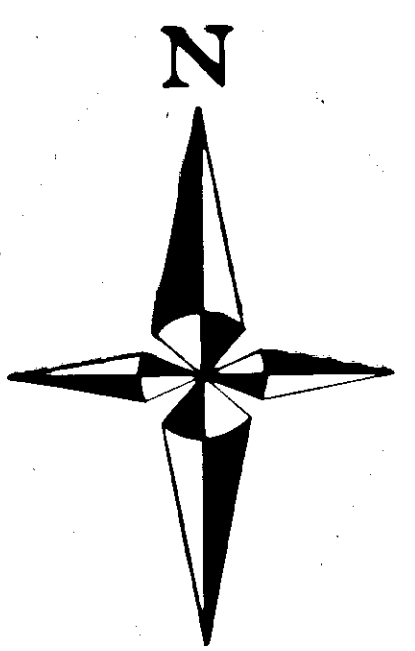
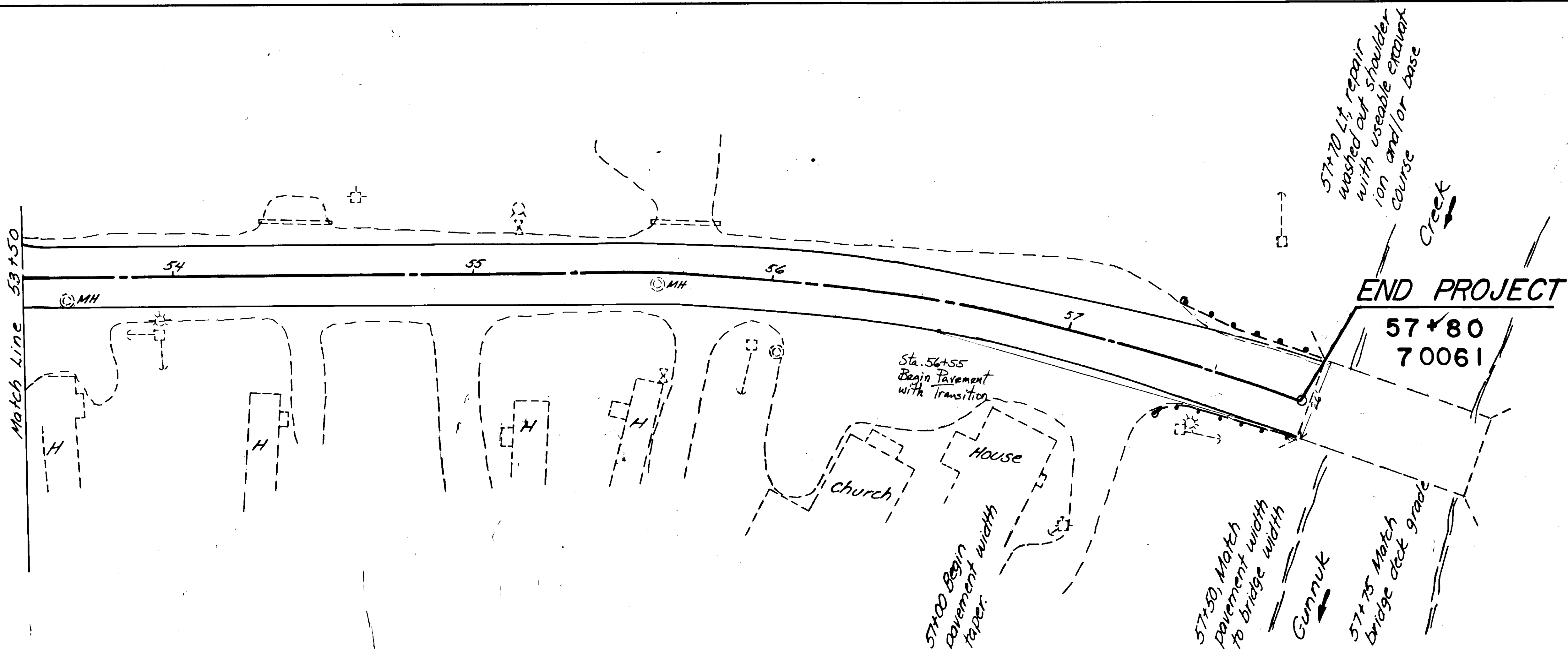
STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 & PUBLIC FACILITIES  
 SOUTHEAST REGION DESIGN & CONSTRUCTION

# KAKE CITY STREETS PLAN AND PROFILE

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 DESIGN GROUP CHIEF  
 RECOMMENDED BY: *John W. Henry* DATE: 7-5-89  
 DESIGN ENGINEER, GROUP 72  
 PREPARED BY: *J.W.H.* DATE: \_\_\_\_\_  
 PROJECT MANAGER LEAD DESIGNER

DESIGNED BY: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 HORIZ. SCALE: \_\_\_\_\_  
 VERT. SCALE: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 SHEET 11 OF 12





BY	DATE	DESCRIPTION OF CHANGE
RECORD OF REVISIONS		

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 & PUBLIC FACILITIES  
 SOUTHEAST REGION DESIGN & CONSTRUCTION

# KAKE CITY STREETS PLAN AND PROFILE

APPROVED BY: *John W. Henry* DESIGN GROUP CHIEF DATE: 7-5-87  
 RECOMMENDED BY: *John W. Henry* DESIGNER, GROUP DATE: 7-5-87  
 PREPARED BY: *TWA* PROJECT MANAGER *CRL* LEAD DESIGNER

DESIGNED BY: \_\_\_\_\_ HORIZ. SCALE: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_ VERT. SCALE: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_ SHEET 12 OF 12

