

Peninsular  
CROSS SECTION BOOK  
CB 802

CHUGIAK PEDESTRIAN FACILITY 2013.06.01

CONTROL LEVELS R.O.W.

CHUGIAK PEDESTRIAN FACILITY 2013.06.01

③

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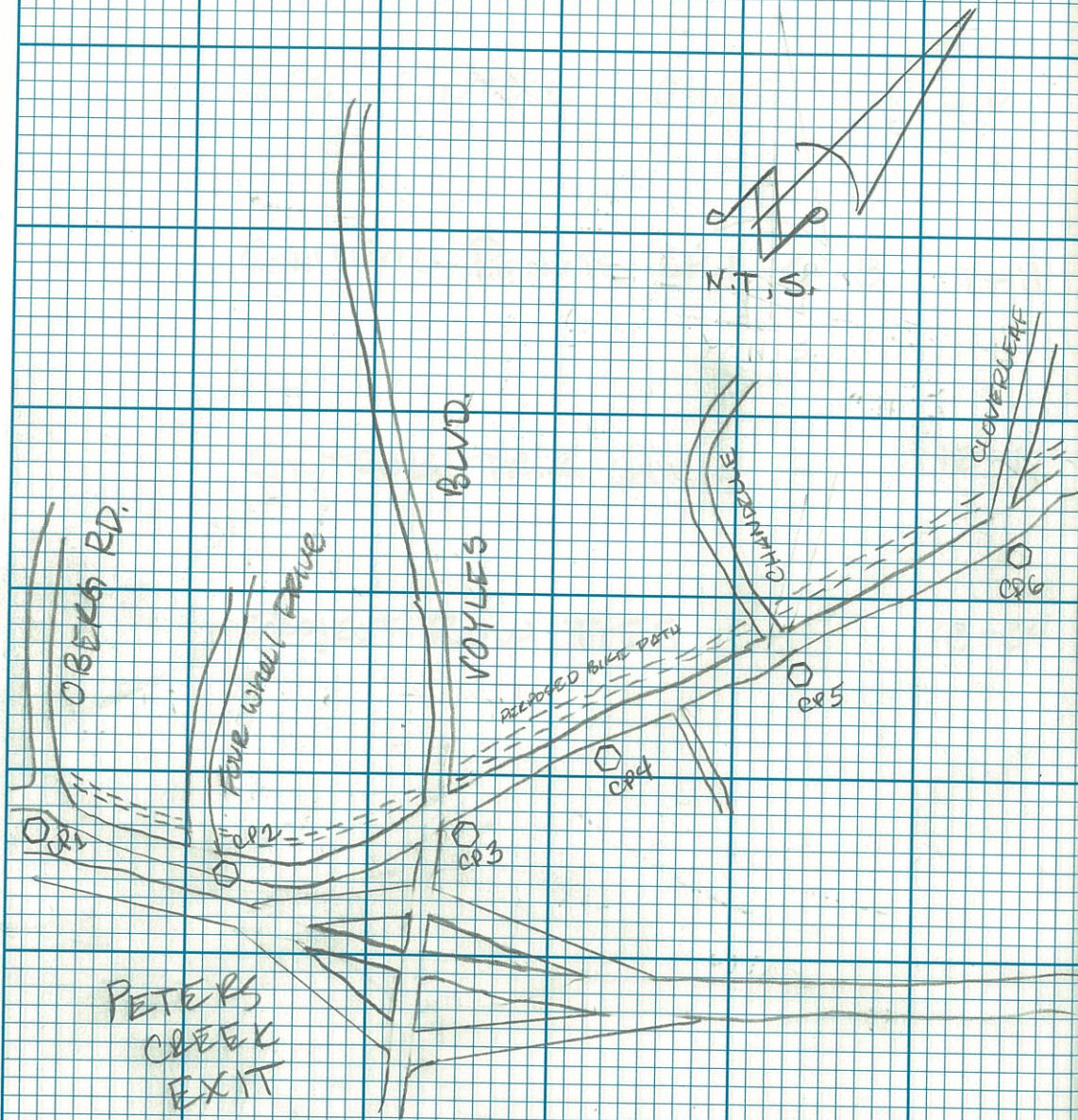
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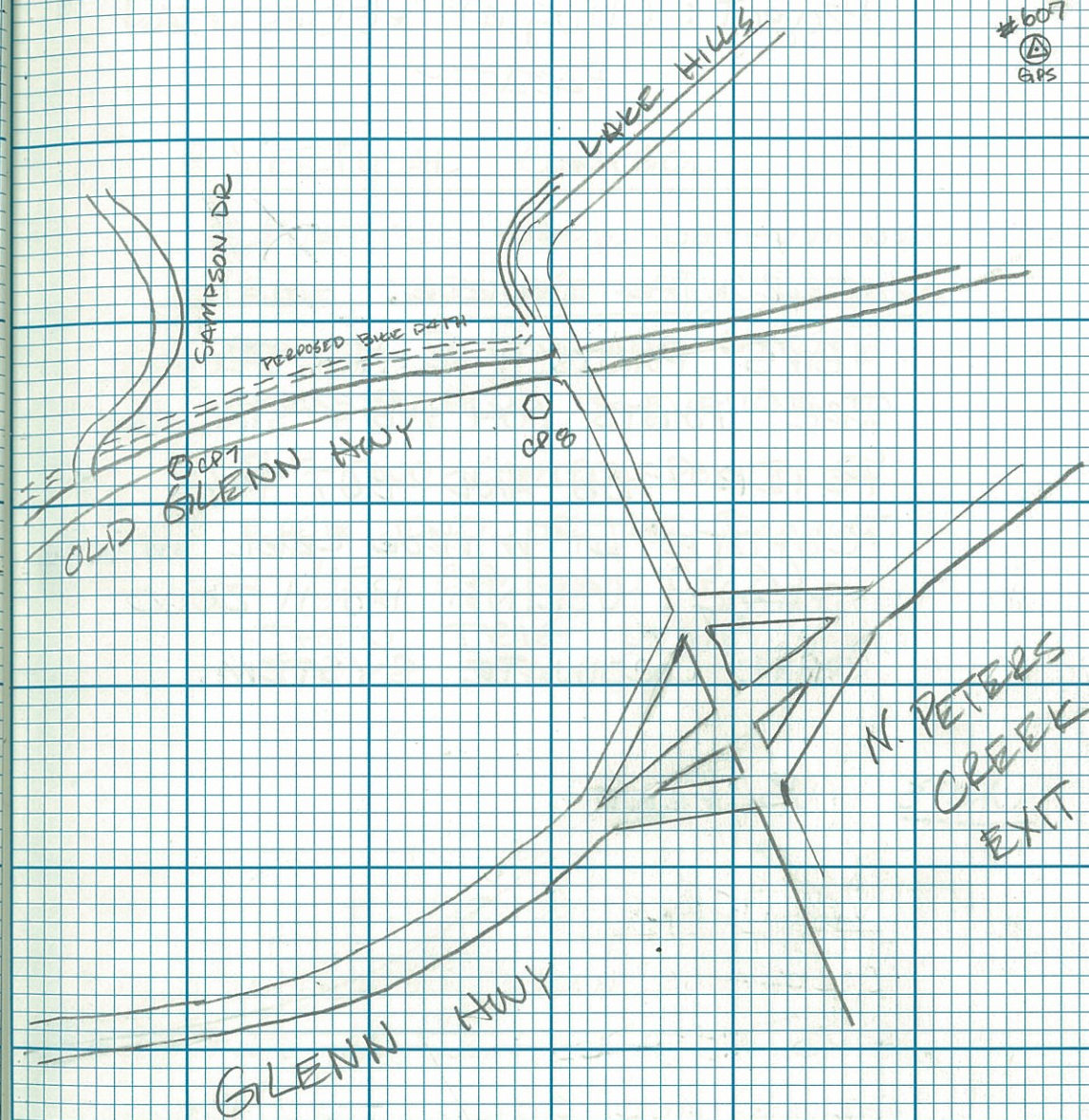
# 54709 CHUGIAK PEDESTRIAN FACILITY



④

## Project Map

#607  
GPS



⑤

## Project: Chugiak Pedestrian Facility

### HORIZONTAL CONTROL:

GPS POINTS FOR THIS PROJECT ARE POINTS 604 NGS STATION "PETER" 1986 AND 607 GPS "COYOTE" AT MIRROR LAKE MIDDLE SCHOOL. USING BOWEN ZOO GRID COORDINATE SYSTEM.

UNITS VS. FEET

### VERTICAL CONTROL:

ELEVATIONS WERE DETERMINED USING GPS METHODS HOLDING STATION PETER AND COYOTE. THEN PUSHING ELEVATIONS TO THE TWO CONTROL POINTS ON EACH END OF THE PROJECT. (I.E. CP. 1 AND CP. 8) THEN TRIED LEVELING

⑤

### VERTICAL CONTROL:

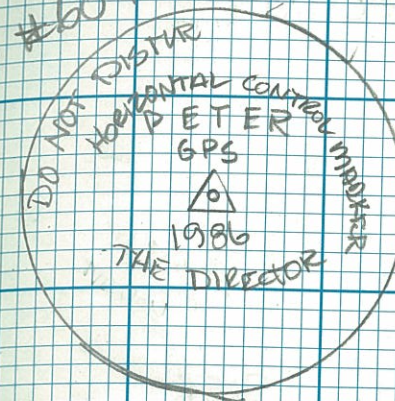
ELEVATIONS WERE DETERMINED USING GPS METHODS HOLDING STATION PETER AND COYOTE. THEN PUSHING ELEVATIONS TO THE TWO CONTROL POINTS ON EACH END OF THE PROJECT. (I.E. CP. 1 AND CP. 8) THEN TRIED LEVELING

6

# CHUGIAK PED FACILITY CONTROL TIES

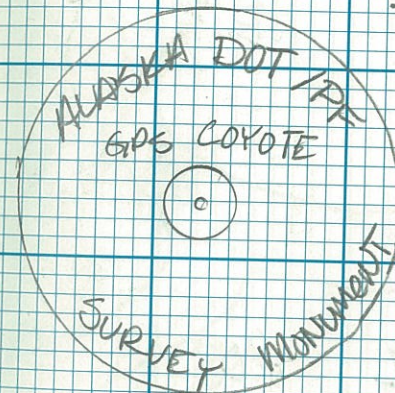
|   |                                           |               |           |           |
|---|-------------------------------------------|---------------|-----------|-----------|
| 1 | GPS #<br>604<br>"PETER"<br>FD 3/4 BC ↓ 03 | 4.02'<br>1225 | 2:02<br>P | 3:42<br>P |
| 6 | GPS #<br>607<br>"COYOTE"                  | 3.70'<br>1127 | 1:33 P    | 3:42 P    |
| 5 | CP #1<br>SET 30"<br>RBL PC<br>↓ 02        | 4.81'<br>1464 | 2:44 P    | 3:18 P    |

#604



3/4 BC SET  
IN CONC

GPS "PETER" 604 IS  
LOCATED OFF THE SOUTH BOUND  
OFF RAMP OF THE NORTH  
BIRCHWOOD EXIT. ON THE  
RIGHT SIDE JUST BEFORE  
THE GLENN HWY APPROX  
150' FROM CENTERLINE UP  
THE SMALL HILL WITH  
ORANGE MARKER.



3/4 BC SET  
ON DRIVE ROAD  
IN CASE

GPS "COYOTE" #607 IS  
LOCATED NORTH EAST SIDE OF  
MIRROR LAKE MIDDLE SCHOOL  
ON A SMALL TRIANGLE OF  
GRASS IN FRONT OF THE  
NORTH WEST CORNER OF  
THE GRASS FIELDS.

6

05-03-13

B. KOITZCH  
D. HICKEY  
J. ZYCH

⑦

CHUGIAK PEDESTRIAN FACILITY  
CONTROL

4

|             |       |       |      |
|-------------|-------|-------|------|
| CP #2       | 3.94' |       |      |
| SET 30" PBR |       | 2:51' | 3:56 |
| PC ↓        | 1.200 | P     | P    |

7

|             |       |      |      |
|-------------|-------|------|------|
| CP #3       | 3.86' |      |      |
| SET 30" PBR |       | 3:03 | 4:00 |
| PC ↓        | 1.175 | P    | P    |

8

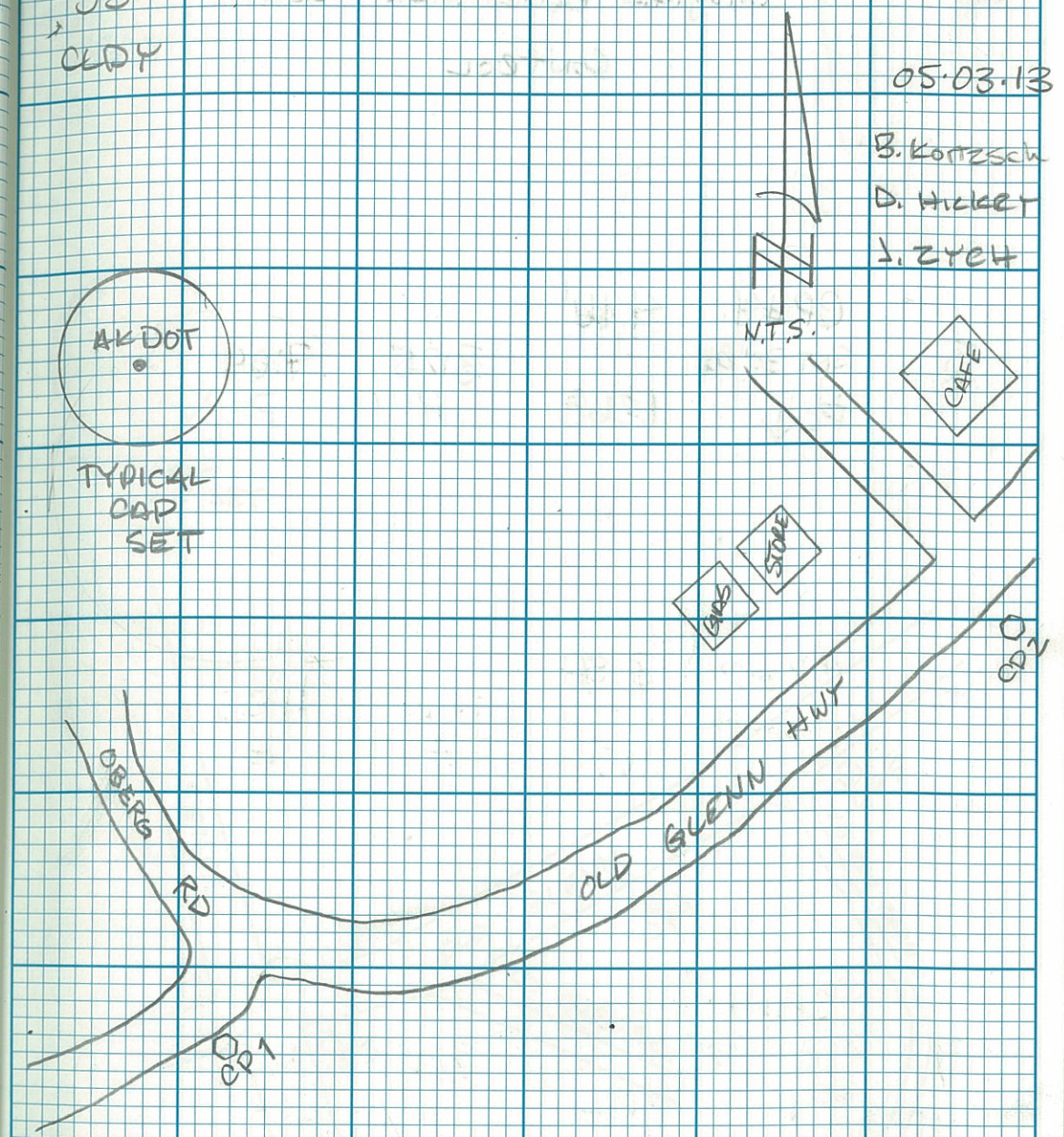
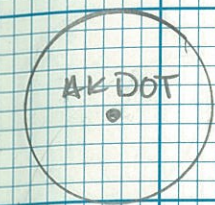
|             |       |      |      |
|-------------|-------|------|------|
| CP #5       | 4.02' |      |      |
| SET 30" PBR |       | 3:12 | 4:07 |
| PC ↓        | 1.226 | P    | P    |

35°  
CLDY

⑦

05.03.13

B. KONTZSCH  
D. HICKET  
J. ZYCH



VOYLES BLVD.

OLD SLENN

HOMESTEAD RD

OP 3

OP 4

OP 4

OP 4

GREEN BERRY

⑨

# CHUGIAK PEDESTRIAN FACILITY CONTROL

6

GPS#604 3.90'  
PETER 1.187 9:14 3:40  
A D

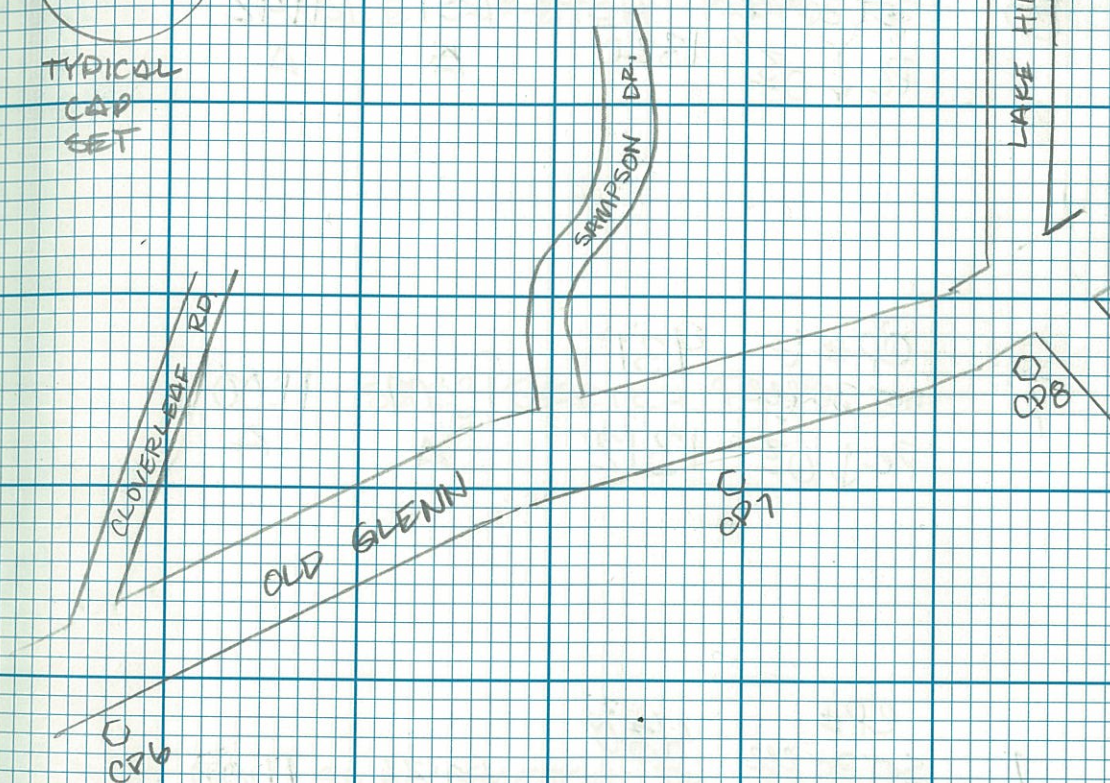
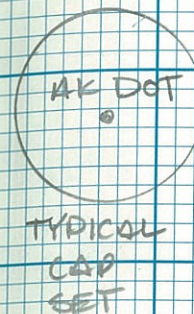
8

GPS#607 3.86'  
"COYOTE" 1.176 9:17 11:20  
A A

7

CP#7 3.83'  
SET 30' PER PC ↓ 03 1.166 9:36 10:00  
A A

38°  
RAIN/  
SNOW



⑨

05/04/13

B. KOTZSCH  
D. HICKEY

N.T.S.

UNIT      T      F \ M      START      STOP

⑩

# CHUGIAK PEDESTRIAN FACILITY

CONTROL

8

CP#8      433'  
SET 30" RRR  
PC ↓ 03      1.320

9:51      11:42  
A      A

7

CP#6      431'  
SET 30" RRR  
PC ↓ 03      1.312

10:07      11:00  
A      A

7

CP#1      430'  
SET 30" RRR  
PC ↓ 04      1.310

10:36      11:00  
A      A

⑩

38°  
RAIN  
SNOW

05/04/13

B. KOITZSCH

D. HICKEY

GIPS  
VIVA  
UNITS  
4, 8

SEE SKETCH Pg. 9

SEE SKETCH Pg. 9

SEE SKETCH Pg. 7

(11)

(12)

(12)

# CHUGIAK PEDESTRIAN FACILITY CONTROL LEVELS (TRIG)

Loop #1 CP1 TO TBM 600

|      | BS-       | FS      | RAW EL   | ADJ          |
|------|-----------|---------|----------|--------------|
|      |           |         | 331.73'  | <u>HOLD</u>  |
| CP 1 | (-11.486) |         |          | EL = 331.73' |
| CP-2 |           | 8.484'  | 351.694' |              |
|      | (-0.801)  |         |          |              |
| 600  |           | 2.976'  | 355.471' | 355.471'     |
| TBM  | (3.295')  |         |          |              |
| CP 2 |           | -0.481  | 351.695' | 351.691'     |
|      | (8.153)   |         |          |              |
| CP 1 |           | -11.811 | 331.73   |              |

EDC = 0.001 +-

(12)

38°  
RAIN/  
SNOW

05/04/13

NOTE

LEICA

CR#15

ALL ELEVATIONS ESTABLISHED  
BY HOLDING GPS CONTROL 604,  
AND 607 THEN PUSH CORDS TO  
THE TWO CONTROL POINTS ON  
EACH END OF THE PROJECT.  
CP.1 AND CP.8. THEN  
TRIG LEVELING.

TBM 600 EL = 355.47'

SET RR SPIKE 12' ↑ POWER  
POLE # 10482. LOCATED ON THE  
SOUTH EAST SIDE OF OLD GLENN  
HWY ACROSS THE ROAD FROM  
BELLA VISTA RESTURANT

(13)

# CHUGIAK PEDESTRIAN FACILITY CONTROL LEVELS (TRIS)

LOOP #2 FROM TBM 600 TO

TBM 601

BS

FS

SIDE  
SHOT

RAWEL ADJ EL

355.47

600

(6.960)

CP 3

6.948

355.285 ~~355.285~~

601

3.982

352.493 ~~355.491~~

(4.156)

600

7.133

355.470

EOC

0.001"

38°  
RAIN/  
SNOW

(13)

05/04/13

B. Koitzsch

D. Hickey

TBM 601 ~~EL~~ = 352.49'

SCRIBED "X" ON NE BOLT  
OF TRAFFIC LUM, LOCATED ON  
SOUTH EAST QUADRANT OF  
INTERSECTION, OF VOYLES BLVD  
AND GLENWAY DRIVE.

14

# CHUGIAK PEDESTRIAN FACILITY CONTROL LEVELS (TRIG)

LOOP #3 From TBM 601 TO 602

|      | <u>BS</u>  | <u>FS</u> | RAW EL=  | ADJ EL= |
|------|------------|-----------|----------|---------|
|      |            |           | 352.494' | 352.49' |
| 601  | (-15.148') |           |          |         |
| CP 4 |            | 5.545'    | 373.186' | 373.18' |
|      | (-4.945)   |           |          |         |
| CP 5 |            | -2.158'   | 375.973' |         |
|      | (-0.904)   |           |          |         |
| 602  |            | -3.552'   | 373.325' | 373.33' |
|      | (-3.239)   |           |          |         |
| CP 5 |            | -0.611'   | 375.953' | 375.96' |
|      | (-2.156)   |           |          |         |

38°  
RAIN

14

05/04/13

B. Katsch

TBM 602 EL=373.33' > WICKET

SET RR SPIKE IN 13"  
BIRCH TREE ↑ 14' FROM  
BASE. 14' WEST OF POWER  
POLE # C10462. SET IN THE  
SOUTH WEST CORNER ADDRESS  
21625 OLD GLENN HWY

(15)

# CHUGUAT PEDESTRIAN FACILITY Control levels (TRIS)

Cont Loop #3

BS

FS

Row  
EL=

ADD  
EL=

CP4

-4.940' 373.169' 373.18'

(5.354)

601

TBM

-15.336' 352.479' 352.49'

EOC = +0.014'

38°  
RAIN

(15)

05/04/13

B. Kottsch

D. Hickey

16

# CHUGIAK PEDESTRIAN FACILITY CONTROL LEVELS (TRIG)

Loop #4 From TBM 602  
TO CP #8

BS

FS

ADD ELEV

373.328' 373.33'

602

(4.790')

CP 6

-12.066' 356.469' 356.47'

(11.368')

CP 7

27.018' 372.114' 372.11'

(-1.639')

CP 8

-8.524' 365.229' 365.25'

(-8.362')

CP 7

-1.471' 372.119'

38°

RAIN

16

05/04/13

B. KORTSCH  
D. HICKEY

(17)

# CHUGWICK PEDESTRAIN FACILITY CONTROL LEVELS (TRIS)

| LOOP #4 | CON'L | RAW<br>EL | ADJ<br>EL |
|---------|-------|-----------|-----------|
|---------|-------|-----------|-----------|

BS

FS

CP 7

(26.691)

CP 6

11.039'

356.468'

356.47'

(-12.142')

TRM 602

4.717

373.321'

373.33

EOC = + 0.002

380

RAIN

(17)

05/04/13

B. KORTSCH  
D. HICKEY