STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEASTERN REGION
DESIGN AND CONSTRUCTION DIVISION

CHANNEL DRIVE WAYSIDE CONSTRUCTION
PROJECT NO. 67561
FEDERAL PROJECT NUMBER TEA-0955(10)

PAVING, GRADING, DRAINAGE,
LANDSCAPING, DOCK STRUCTURES,
FISHERS ACCESS AND ELECTRICAL

PROJECT SUMMARY

"C" 10+00 TO "C" 23+51.03
WIDTH OF SUBGRADE - 12'8"
LENGTH OF PROJECT - 120' = 0.21 Miles
PARKING STALLS:
HANDICAP - 4
COMPACT - 5
FULL SIZE - 26
PARALLEL - 22
9/16 - 4
FLOATING DOCK - 50' X 100'
GANWAY FLOAT - 20' X 35'
VEHICLE GANWAY - 11' X 100'

PROJECT LIMITS

VICINITY MAP

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:
A-1 C-1 D-1 E-1 F-1 J-1 R-1 M-1 T-1 X-1
C-2 D-2 E-2 F-2 J-2 R-2 M-2 T-2 X-2
C-3 D-3 E-3 F-3 J-3 R-3 M-3 T-3 X-3
C-4 D-4 E-4 F-4 J-4 R-4 M-4 T-4 X-4
C-5 D-5 E-5 F-5 J-5 R-5 M-5 T-5 X-5
C-6 D-6 E-6 F-6 J-6 R-6 M-6 T-6 X-6
C-7 D-7 E-7 F-7 J-7 R-7 M-7 T-7 X-7
C-8 D-8 E-8 F-8 J-8 R-8 M-8 T-8 X-8
C-9 D-9 E-9 F-9 J-9 R-9 M-9 T-9 X-9
C-10 D-10 E-10 F-10 J-10 R-10 M-10 T-10 X-10

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEASTERN REGION DESIGN SECTION

APPROVED
E.E. Region Preconstruction Engineer
Date
Approved
Region Design & Construction
Date

PROJECT NUMBER
67561

DATE
AUGUST, 2000

SHEET A-1 OF 3
Typical No. 5
Station "C" 10+40.00
W.T.

Typical No. 6
Station "C" 10+74.46
W.T.

Typical No. 7
Station "C" 11+34.10
W.T.

Typical No. 8
Station "C" 13+31.06
W.T.

Note: Do not scale from these plans—use dimensions.
TYPICAL NO. 12
STATION "C" 17+13.55

TYPICAL NO. 13
STATION "C" 17+46.92
### Culvert Pipe Installation Summary

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<th>Diameter</th>
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<td>10.0'</td>
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<td>19.15' S-2</td>
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<td>23.80' S-3</td>
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<td>6&quot; PVC</td>
<td>110'</td>
<td>S.S.W. 19.9 LT STA. C' 12+57</td>
<td>SEWER CLEANOUT 88' RT STA. C' 12+73</td>
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### Domestic Water Service

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*SUMP AT 1.5' BELOW OUTFALL INVERT*

### Removal of Obstructions

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NOTE: CONSTRUCT STAIRWAY PER STANDARD DRAWING M-01.00 STAIRWAY DRAWING AT Sta. "C"+7+30.2 55.5' R.
NOTES:
1. PARALLEL CURB RAMPS ARE TYPICALLY USED WHEN THE SIDEWALK IS NOT WIDE ENOUGH FOR PERPENDICULAR RAMPS.
2. A SINGLE CENTRAL CURB RAMPS (NOT SHOWN) SHOULD BE USED ONLY WHEN INSTALLING TWO RAMPS IS NOT FEASIBLE. WHEN USED, SLOPES AND DIMENSIONS SHOULD CORRESPOND WITH THOSE SHOWN ON THE MID-BLOCK DETAIL.
3. SEE PLANS FOR RAMPS TYPE AT PARTICULAR LOCATIONS.
4. RAMPS RUNS AND LANDINGS SHALL BE CONCRETE, REGARDLESS OF WHETHER THE SIDEWALK IS ASPHALT OR CONCRETE.
5. LOWER CURB RAMPS LANDINGS SHALL FALL WITHIN THE INNER EDGES OF MARKED CROSSWALKS OR, IF CROSSWALKS AREN’T MARKED, WITHIN THE AREA A STANDARD MARKED CROSSWALK WOULD ENCLOSE. SEE STANDARD DRAWING T-23 FOR STANDARD CROSSWALK LAYOUT.
6. RAMPS RUN LENGTHS SHOWN PERTAIN TO 6’ CURB HEIGHTS AND NO LONGITUDINAL SIDEWALK SLOPE. FOR OTHER HEIGHTS AND SLOPES, INCREASE OR DECREASE RUN LENGTHS TO MAINTAIN THE SLOPES SHOWN.
7. IN CASES WHERE SIDEWALK SLOPE MAKES IT NECESSARY TO LENGTHEN A RAMPS RUN TO AVOID EXCEEDING THE ALLOWABLE SLOPE, IT SHOULD NOT BE MADE LONGER THAN 10 FEET FOR A 4’ CURB HEIGHT OR IN GENERAL 20 TIMES THE CURB HEIGHT. THE SLOPE RESULTING FROM THAT RUN LENGTH IS ACCEPTABLE EVEN IF IT EXCEEDS THE MAXIMUM SLOPE SHOWN.
8. CONCRETE SHALL RECEIVE A COARSE BROUNISH FINISH RUNNING PERPENDICULAR TO THE CURB ON RAMPS RUNS AND UPPER LANDINGS AND PARALLEL TO THE CURB ON LOWER LANDINGS.
9. LOWER LANDINGS SHALL BE COLORED FULL DEPTH WITH 5 POUNDS OF DAVIS COLOR 181 PER SACK OF CONCRETE.
10. SEE THE ONE CROSSING DIRECTION AT CORNER. PEDESTRIAN CROSSES IN ONLY ONE DIRECTION FROM A RADIUS, A SINGLE CURB RAMPS SHOULD LOCATED AS IF THERE WERE TWO 50 MORE ANOTHER CAN BE ADDED LATER, IF NEEDED.
11. DRAINAGE INLETS SHOULD BE LOCATED WITHIN MARKED CROSSWALKS OR, IF CROSSWALKS AREN’T MARKED, WITHIN THE AREA A STANDARD MARKED CROSSWALK WOULD ENCLOSE. IF THAT IS UNAVAILABILE, ACCESSIBLE GRADES, WITH OPENINGS NO GREATER THAN 1/2” IN ANY DIRECTION, SHALL BE USED.
12. THE 12’ 1/2 AND 50:1 SLOPES SHOWN ARE THE STEEPIEST SLOPES ALLOWED BY LAW (EXCEPT AS PROVIDED UNDER NOTE 7). SPECIAL CARE SHOULD BE TAKEN TO NOT EXCEED THESE SLOPES.

SECTION B-B

BACKING CURB

FACE OF CURB

LANDING 50:1 MAX ALL DIRECTIONS

LOWERING 50:1 MAX ALL DIRECTIONS

FACE OF CURB

LANDING 50:1 MAX ALL DIRECTIONS

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS
NOTES:
1. USE GRADE SHALL BE 2% (1/4" PER FT.)
2. CLEANOUT CONSTRUCTED OF "S" FITTINGS AND CAP OF SAME MATERIAL AS PIPE SHALL BE CONSTRUCTED WITHIN 2 TO 5 FT OF FOUNDATION. AN EXTRA CLEANOUT SHALL BE REQUIRED FOR EVERY 100 FT OF PIPE AND FOR EACH ADDITIONAL 100 FT OF 38" DIA. PIPE.
3. MATERIALS AND INSTALLATION OF THE BUILDING DRAIN SHALL CONFORM TO THE UNIFORM PLUMBING CODE. (NOTE: SIDE DRAIN IS NOT AN APPROVED MATERIAL FOR USE UNDER OR INSIDE THE FOUNDATION.)
SPECIAL NOTES:

1. Silt fence supports shall be 2-inch PVC pipe reinforced with iron pipe or 6-inch wood posts or as approved.
2. For land installations, fence shall be placed at the toe of embankment or excavation areas, or as directed.
3. Fence anchored in standing water shall have the bottom anchored with sandbags or equivalent to prevent failure.
4. Installation and application shall be in accordance with the practices as outlined in the Erosion and Sediment Control Plan.
5. Filter fabric shall be overlapped 6 inches at fence supports.
6. Filter fabric shall be made fast, not loose or folded.

TRENCH SUPPORT DETAIL

TYPICAL LAND INSTALLATION
# SIGNING SUMMARY

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**SIGNING GENERAL NOTES:**

1. INSTALL ALL SIGNS USING "EXPRESSWAY" DIMENSIONS AS SHOWN ON STANDARD DWG. S-05.00
2. REMOVE ALL SIGNS AND POSTS. SALVAGED SIGNS AND POSTS SHALL BE DELIVERED TO THE D.O.T.
3. MAINTENANCE YARD AT HABIB HAKIM ROAD. REMOVAL OF SIGNS IS INCIDENTAL TO 615(1) STD. SIGNS
4. PERFORATED STEEL TUBE (PST) SIGNS SHALL HAVE EITHER THE CONCRETE FOUNDATION OR SOIL EMBLEM FOUNDATION WITH A DEPTH ACCORDING TO STANDARD DRAWING S-50.01
5. PST = PERFORATED STEEL TUBE POST
6. STATIONING IS APPROPRIATE AND MAY BE ADJUSTED TO FIELD CONDITIONS

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**NOTE:** DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS
SEE SHEET R-5 FOR LEGEND AND PLANTING SCHEDULE
RESTROOM STRUCTURE NOTES:

SET SPECIFICATIONS FOR MANUFACTURER AND MODEL NUMBER.

1. TURNING SPACE
2. FLOOR PLAN
3. APPROACH
4. TURNING SPACE

FOOTING SECTION
FRONT ELEVATION
LEFT SIDE ELEVATION
RIGHT SIDE ELEVATION
REAR ELEVATION

CHANNEL DRIVE WAYSIDE CONSTRUCTION 67561
RESTROOM BUILDING

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS.

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

RECORD OF REVISIONS

DESIGNED BY:
DRAWN BY:
CHECKED BY:
PROJECT NO.
DATE:
02 FEB 2000
SHEET 8-35

ARCHITECT'S SEAL
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

JUNEAU

CHANNEL DRIVE MATURE CONSTRUCTION
PROJECT NO. 67561

TRAFFIC CONTROL PLAN

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

[Diagram of road construction with detailed notes and specifications]

Juneau City Engineer's Seal

DESIGNED BY:
PROJECT NO. 67561
D.J.M.
DATE: AUGUST 2000
CHECKED BY: M.A.M.
SHEET 1 OF 3
NOTES:
1. SEE SHEET J-3 FOR LOCATIONS OF SIGNS AND STRIPING.
2. SEE SECTION 909 FOR REQUIREMENTS FOR THE FISH CLEANING STATIONS, LIFE RING, FIRE EXTINGUISHER AND OIL ABSORBENT PADS.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU
CHANNEL DRIVE WAYSIDE CONSTRUCTION
TEA-0958(10) ~ Project No. 67561
PROFILE & LAYOUT

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

INSTALL FISH CLEANING STATION AT THIS CORNER, SEE SHEETS W-30 & W-31 FOR DETAILS

PLAN LAYOUT

CENTERLINE OF Approach/GANWAY/Float
ROADWAY CENTERLINE
END APPROACH PILE
STA. 9' 10+00
N 48° 54' 15.37" E 100° 89' 04.22"
ELEV. +27.01'

S 15° 46' 49" W

20'/80' APPROACH BRIDGE
STA. 9' 10+54.82
N 48° 54' 45.28" E 100° 87' 54.97"
ELEV. +27.81'
SEE SHEETS W-2 TO W-8

END APPROACH BRIDGE
STA. 9' 12+26.04
N 48° 54' 11.87" E 100° 88' 23.42"
ELEV. +23.80'

INSTALL LOAD LIMIT SIGN, SEE SHEET W-27 FOR DETAILS

15'x100' STEEL GANWAY
SEE SHEETS W-9 TO W-17

18"x12/" WALL STEEL FILE
20'/55' GANWAY FLOAT
SEE SHEET W-21

PROFILE

20'/80' APPROACH BRIDGE

15'x100' STEEL GANWAY
FISH CLEANING STATION
SEE SHEETS W-30 & W-31

50'/100' FLOAT DOCK
SEE SHEETS W-30 & W-31

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS
NOTE: BEGIN CS01 2 3/8" FROM END.

1. Top G403 longitudinal reinforcement to be extended 2"-0" beyond end of girder, then bent and tied into abutment and end diaphragm.
RAILING UNITS DETAIL
(18 REQUIRED)

RAILING END UNIT
(2 REQUIRED)

RAILING - END UNIT
(2 REQUIRED)

CORNER RAILINGS
(2 REQUIRED)

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS
NOTES:
1. Gangway shall be shipped assembled.
2. Approximate gangway weight = 54,000 lbs.
3. No bottom chord splice allowed within mid third of span.
4. Gangway and all steel members shall be hot-dipped galvanized.

ELEVATION

CAMBER DIAGRAM

ELEVATION

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS
GANGWAY RAILING DETAIL

SECTION A

STEEL GRATING

TYPICAL SECTION

STEEL GRATING ATTACHMENT DETAIL

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU
CHANNEL DRIVE WAYSIDE CONSTRUCTION
TEA-090510 (1) – Project No. 87561
11'x100' GANGWAY DETAILS

RECORD OF REVISIONS
APPROACH DOLPHIN DETAIL

SECTION

SECTION C

VERTICAL HINGE DETAIL

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU CHANNEL DRIVE WAYSIDE CONSTRUCTION
TEA-0985(10) ~ Project No. 87881
GANGWAY SUPPORT DETAILS

ALASKA

RECORD OF REVISIONS

DESIGNED BY: D. Saldinger
PROJECT NO.: 87881
DRAFTED BY: B. Bennett
DATE: Dec. 2000
CHECKED BY: D. Saldinger
SHEET F-16 OF 31
20' x 35' GANGWAY FLOAT

TYPICAL A

20' x 35' GANGWAY FLOAT

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS
TYPICAL BOLTING DETAIL
FOR SUB-DECKING
N.T.S.

WHEELGUARD SPICE
N.T.S.

STRINGER SPICE DETAIL
N.T.S.

NAILING PATTERN DETAIL
FOR 2X10 DECKING
N.T.S.

TENSIONING THREADBAR DETAIL
1. 5/8" 2/3" ANCHOR PLATE
2. 1" DIAMOND THREADBAR, GRADE 80 (52,000-75,000)
3. MILLED DECKING
4. WHEELGUARD
5. STRINGER SPICE

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

RECORD OF REVISIONS
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

CHANNEL DRIVE WAYSIDE CONSTRUCTION
TEX-085610 ~ Project No. 08561
MISCELLANEOUS FLOAT DETAILS

NOTE: FIELD BORE PILOT HOLES IN PANELS AND STRINGERS AND TREAT PER SPECIFICATIONS.

IN ADDITION TO THE THRU BOLTS SHOWN ON SHEET 1A, SECURE EACH GLULAM PANEL WITH 2-3/8" X 12" LAG BOLTS AT EACH STRINGER (14 LAG BOLTS PER PANEL, FOR EACH PANEL, 20 AT GANTRY END). THE LOCATION OF LAG BOLTS SHALL BE ADJUSTED TO AVOID THE STEEL PLATE AT THE EXTERIOR STRINGER SPACES.
NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU

CHANNEL DRIVE WAYSIDE CONSTRUCTION
TEX-9851(10) – Project No. 87561
MISCELLANEOUS FLOAT DETAILS

DESIGNED BY: D. Saldivar
DRAWN BY: B. Nichole
CHECKED BY: D. Saldivar
DATE: Dec. 2000
PROJECT NO: 87561
SHEET: 1-09 31
CHANNEL DRIVE WAYSIDE CONSTRUCTION
TEA-88054/94 - Project No. 87981

PILE DETAILS

100 lbs. ALUMINUM ANODE

4" - 3/8" FLAT BAR CLAMP

ELEV. +33.0 (FLOAT PILE CUT-OFF)

18" x 1/2" WALL STEEL PILE FLOAT & APPROACH
12 3/4" x 1/2" WALL STEEL PILE (BATTER & APPROACH)

NOTE:
PILING BEARING REQUIREMENTS FOR APPROACH BRIDGE ARE LISTED ON SHEET W-2 OF 31 AND PILING BEARING REQUIREMENTS FOR FLOAT DOLPHINS ARE LISTED ON SHEET W-20 OF 31.

NON-SOCKET

STEEL PILE

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU
ALASKA

DESIGNED BY:
B. Goldner

DRAWN BY:
B. Bennett

CHECKED BY:
B. Goldner

PROJECT NO:
87981

DATE:
Dec. 2000

RECORD OF REVISIONS

FULL (7/8) OR HALF (7/16)
NOTE: ALL MATERIAL HOT DIPPED GALVANIZED AFTER FABRICATION.

NOTE: THE 18" AND 12 3/4" PILES SHALL BE Driven TO A MINIMUM 20-FOOT PENETRATION AND BEARING CAPACITY OF 40 TONS AND 20 TONS, RESPECTIVELY.

DOLPHIN PILE DETAIL

SECTION A

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS