

State of Alaska

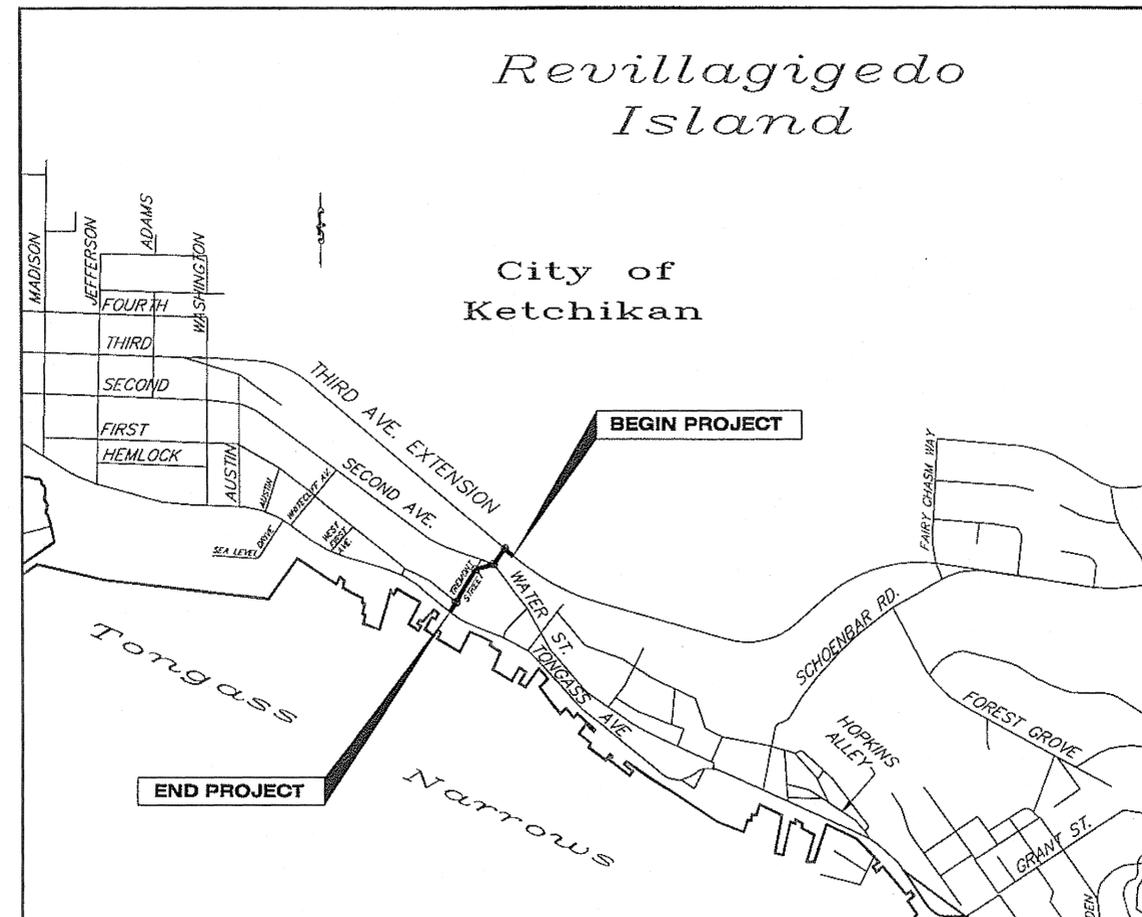
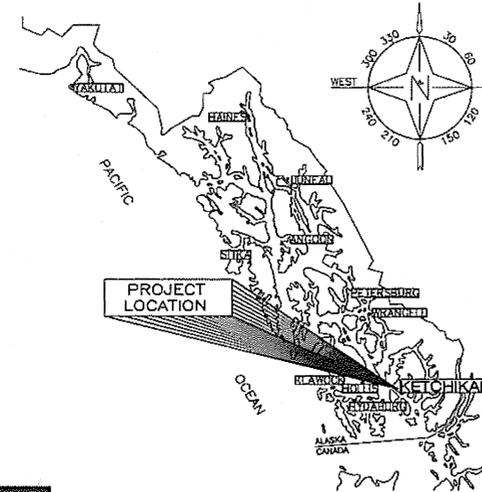
Department of Transportation
and Public Facilities

Southeast Region

KETCHIKAN, ALASKA

TREMONT STREET DRAINAGE IMPROVEMENTS

PROJECT NO. 68905 / STP-0904(3)



VICINITY MAP

ABBREVIATIONS

- CPP - Corrugated Plastic Pipe
- CMP - Corrugated Metal Pipe
- CIWM - Cast Iron Water Main
- DIWM - Ductile Iron Water Main
- FG - Finish Grade
- LF - Linear Feet
- SS - Sanitary Sewer
- SD - Storm Drain
- S - Slope
- Typ - Typical
- TBD - To Be Determined
- AC - Asphalt Concrete
- EST - Estimated

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

- | | | |
|---------|----------|---------|
| A-1 | D-24.00 | I-20.13 |
| B-04.00 | D-26.02 | I-21.01 |
| B-05.00 | D-35.00 | M-05.00 |
| D-01.02 | E-13.00 | |
| D-04.21 | G-00.01 | |
| D-20.03 | G-04.06S | |
| D-22.01 | G-13.00 | |

INDEX

SHEET NO.	DESCRIPTION
A1	TITLE SHEET
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B1	TYPICAL SECTIONS
C1	ESTIMATE OF QUANTITIES
D1	MISCELLANEOUS SUMMARIES
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J1 - J5	DRAINAGE DETAILS
K1	RETAINING WALL
L1 - L2	TIMBER STAIRWAY DETAILS
S1	TRAFFIC CONTROL PLAN
T1	EROSION & SEDIMENT CONTROL PLAN
W1	RIGHT OF WAY PLAN

PROJECT ENGINEER: SEVARD WAGENIUS

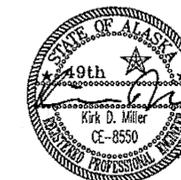
START DATE: May 29, 2009

END DATE: October 30, 2009

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Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE Sevard W. Date 7-15-11

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES



APPROVED: *Victor Winters* 2/23/09
VICTOR WINTERS, PE, PRECONSTRUCTION ENGINEER

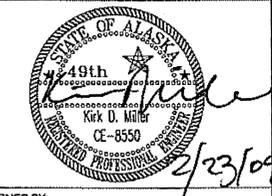
Gary L. Davis 2-23-09
GARY L. DAVIS, DIRECTOR, S.E. REGION

CONSTRUCTION PROJECT MANAGER				
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	68905	2009	A1	20

SURVEY CONTROL LAYOUT PLAN

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE: *[Signature]* Date: 2/15/11

CHECKED BY: K. Miller



DESIGNED BY: D. Lowell

DRAWN BY: D. Lowell

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

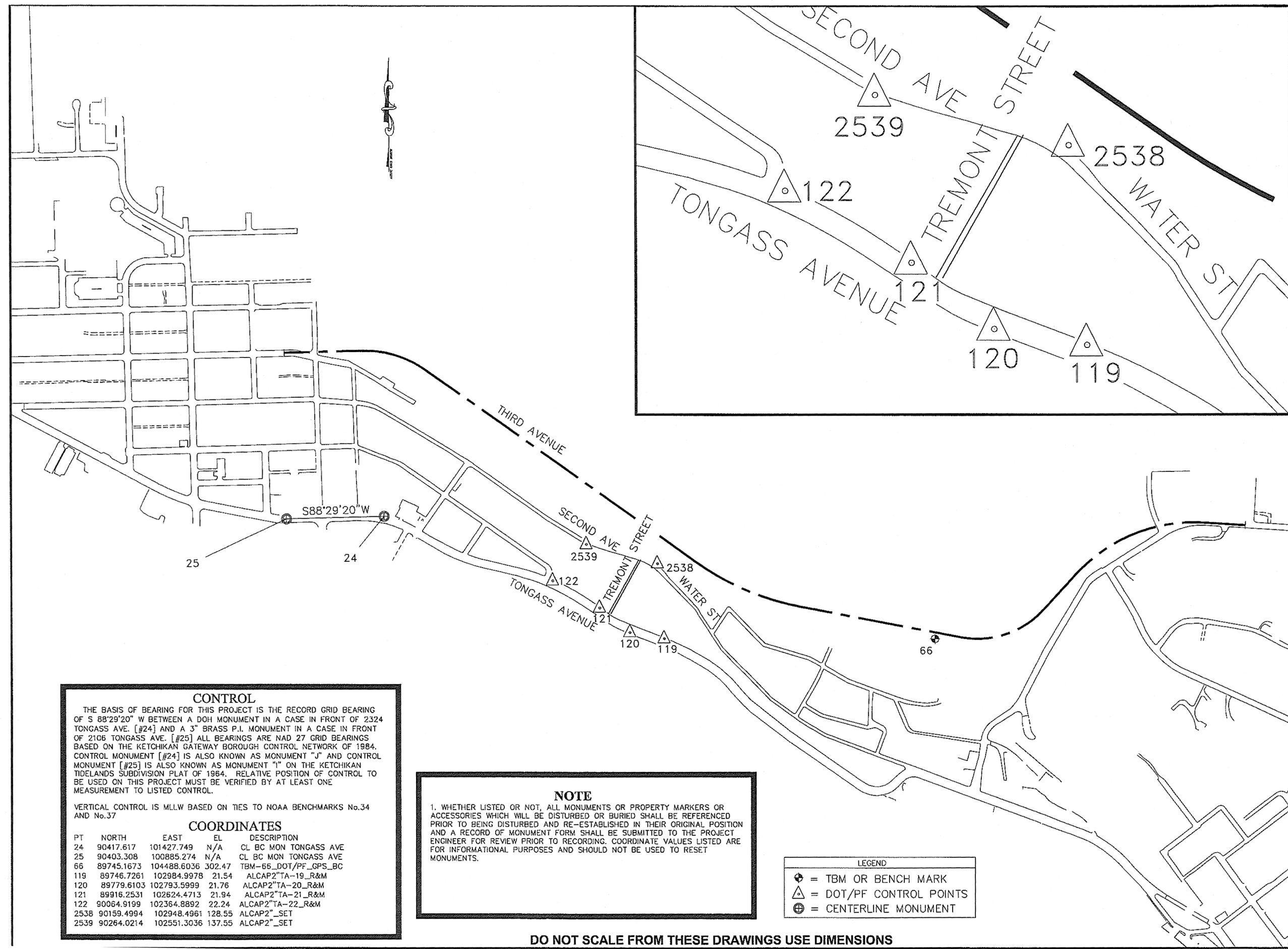
TREMONT DRAINAGE
IMPROVEMENTS
PROJECT NO. 68905

SURVEY CONTROL LAYOUT PLAN

PROJECT DESIGNATION
STP-MG-0904(02)

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
A2	20



CONTROL

THE BASIS OF BEARING FOR THIS PROJECT IS THE RECORD GRID BEARING OF S 88°29'20" W BETWEEN A DOH MONUMENT IN A CASE IN FRONT OF 2324 TONGASS AVE. [#24] AND A 3" BRASS P.I. MONUMENT IN A CASE IN FRONT OF 2106 TONGASS AVE. [#25] ALL BEARINGS ARE NAD 27 GRID BEARINGS BASED ON THE KETCHIKAN GATEWAY BOROUGH CONTROL NETWORK OF 1984. CONTROL MONUMENT [#24] IS ALSO KNOWN AS MONUMENT "J" AND CONTROL MONUMENT [#25] IS ALSO KNOWN AS MONUMENT "I" ON THE KETCHIKAN TIDELANDS SUBDIVISION PLAT OF 1964. RELATIVE POSITION OF CONTROL TO BE USED ON THIS PROJECT MUST BE VERIFIED BY AT LEAST ONE MEASUREMENT TO LISTED CONTROL.

VERTICAL CONTROL IS MLLW BASED ON TIES TO NOAA BENCHMARKS No. 34 AND No. 37

COORDINATES

PT	NORTH	EAST	EL	DESCRIPTION
24	90417.617	101427.749	N/A	CL BC MON TONGASS AVE
25	90403.308	100885.274	N/A	CL BC MON TONGASS AVE
66	89745.1673	104488.6036	302.47	TBM-66_DOT/PF_GPS_BC
119	89746.7261	102984.9978	21.54	ALCAP2"TA-19_R&M
120	89779.6103	102793.5999	21.76	ALCAP2"TA-20_R&M
121	89916.2531	102624.4713	21.94	ALCAP2"TA-21_R&M
122	90064.9199	102364.8892	22.24	ALCAP2"TA-22_R&M
2538	90159.4994	102948.4961	128.55	ALCAP2"SET
2539	90264.0214	102551.3036	137.55	ALCAP2"SET

NOTE

1. WHETHER LISTED OR NOT, ALL MONUMENTS OR PROPERTY MARKERS OR ACCESSORIES WHICH WILL BE DISTURBED OR BURIED SHALL BE REFERENCED PRIOR TO BEING DISTURBED AND RE-ESTABLISHED IN THEIR ORIGINAL POSITION AND A RECORD OF MONUMENT FORM SHALL BE SUBMITTED TO THE PROJECT ENGINEER FOR REVIEW PRIOR TO RECORDING. COORDINATE VALUES LISTED ARE FOR INFORMATIONAL PURPOSES AND SHOULD NOT BE USED TO RESET MONUMENTS.

LEGEND

- = TBM OR BENCH MARK
- = DOT/PF CONTROL POINTS
- = CENTERLINE MONUMENT

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

ESTIMATE OF QUANTITIES			
ITEM NO.	PAY ITEM	PAY UNIT	QUANTITY
201(3B)	CLEARING AND GRUBBING	LUMP SUM	ALL REQ'D
202(1)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM	ALL REQ'D
202(2)	REMOVAL OF PAVEMENT	SQUARE YARD	306.5 -300
203(6)	BORROW, SELECTED MATERIAL, TYPE B Deleted C.O.#1	TON	-60
401(4)	ASPHALT CONCRETE, TYPE II, CLASS B	SQUARE YARD	330.4 300
501(9)	RETAINING WALL RESTORATION	LUMP SUM	ALL REQ'D
501(10)	CONCRETE HEADWALL	LUMP SUM	ALL REQ'D
501(11)	CONCRETE RETAINING WALL	LUMP SUM	ALL REQ'D
508(5)	TIMBER STAIRWAYS Deleted C.O.#4	LUMP SUM	ALL REQ'D
603(17-4)	4 INCH PVC PIPE	LINEAR FOOT	109.6 100
603(17-6)	6 INCH PVC PIPE	LINEAR FOOT	60.8 24
603(17-16)	16 INCH HDPE PIPE	LINEAR FOOT	248.9 267
603(21-12)	12 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	80.6 77
603(21-15)	15 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	214.1 212
603(21-24)	24 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	275.1 253
603(21-30)	30 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	55.5 52
603(22)	15 INCH CPP HANGER	EACH	23
603(23)	CONCRETE SLOPE ANCHOR	EACH	4 2
603(24)	METAL SLOPE ANCHOR	EACH	5 8
604(1)	STORM SEWER MANHOLE	EACH	3
604(5)	INLET, TYPE A	EACH	1
604(8)	CONCRETE COLLAR	EACH	1
606(1)	W-BEAM GUARDRAIL	LINEAR FOOT	17 50
606(13)	DOWNSTREAM END ANCHOR	EACH	2
608(1A)	CONCRETE SIDEWALK, 4 INCHES THICK	SQUARE YARD	75.7 50
609(2)	CURB AND GUTTER	LINEAR FOOT	71.2 160
626(2)	SEWER SERVICE CONNECTION	EACH	1
627(8)	WATER SERVICE CONNECTION	EACH	1
627(11)	RELOCATE EXISTING WATER MAIN Deleted by C.O.#3	LUMP SUM	ALL REQ'D
639(1)	RESIDENCE DRIVEWAY	EACH	1
640(1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQ'D
640(4)	WORKER MEALS AND LODGING, OR PER DIEM	LUMP SUM	ALL REQ'D
641(1)	EROSION AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQ'D
641(2)	TEMPORARY EROSION AND POLLUTION CONTROL	CONTINGENT SUM	ALL REQ'D
642(1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQ'D
643(2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQ'D
203(7)	Borrow Selected Material Type B - CYVM CO 1	CYVM	9.0
506(1)	Treated Timber Boardwalk CO 4	LUMP SUM	ALL REQ'D
603(21-30)B	P-7 Crossing Unidentified Utilities CO 2	LUMP SUM	ALL REQ'D
604(7)	Relocate Manhole CO 3	LUMP SUM	ALL REQ'D
626(3)	Locate SSS, and P-1 Fittings CO 5	LUMP SUM	ALL REQ'D
	HDPE Electrofusion Couplings 603(17-16) CO 6	No Cost Change	2 ea

BASIS OF ESTIMATE		
ITEM NO.	ITEM	ESTIMATING FACTOR
201(3B)	CLEARING AND GRUBBING	0.25 ACRES
401(4)	ASPHALT CONCRETE, TYPE II, CLASS B	121 LBS/SY/INCH-DEPTH
501(9)	CLASS A CONCRETE	2.025 TONS/CY
501(9)	RETAINING WALL RESTORATION	3 LOCATIONS, SEE PLANS

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE *[Signature]* Date 4/15/11

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. Miller		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION							
		TREMONT DRAINAGE IMPROVEMENTS PROJECT NO. 68905							
		ESTIMATE OF QUANTITIES							
DESIGNED BY: D. Lowell		YEAR: 2009							
DRAWN BY: D. Lowell		SHEET NO.: C1							
PATH: Q:\KTN\68905\PLANS\SET\PLANS\SET3 11-09168905_C1_ESTIMATE.DWG IAB: C1 Monday, February 23, 2009 2:07:50 PM BWBENNETT		TOTAL SHEETS: 20							
<table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		NO.	DATE	DESCRIPTION				PROJECT DESIGNATION: STP-MG-0904(2)	
NO.	DATE	DESCRIPTION							

PIPE SUMMARY								
PIPE NO.	DIA.	ESTIMATED LENGTH	FROM STRUCTURE/STATION	FLOWLINE ELEV.	TO STRUCTURE/STATION	FLOWLINE ELEV.	GRADE	REMARKS
P-1	15"	212.0'	7+84.79 "P1"	168.92	9+97.00 "P1"	167.96	0.45%	INSTALL PIPE ON EXISTING RCC WALL
P-2	24"	N/A	10+00	171.91	N/A	N/A	N/A	INSTALL 45° ELBOW ON END OF EXISTING 24" PIPE
P-3	24"	44.0'	S-1	133.39	S-2	130.82	6.27%	
P-4	24"	96.0'	S-2	130.72	S-3	127.31±25.3±	3.73%	
P-5A	24"	100.0'	S-3	127.21±25.2±	S-4	111.00	VARIES	
P-5B	24"	13.0'±30±	S-4	110.90	24" CCP TO 16" HDPE TRANSITION	107.98±92±	VARIES	
NA	4"	100.0'	BLDG DRAINS, SEE SHT F2	TBD	-	TBD	VARIES	FIELD FIT AS REQ'D
P-6	16"	267.0'	24" CPP TO 16" HDPE TRANSITION	107.88±99.0±	S-5	17.30	VARIES	
P-7	30"	52.0'	S-5	16.38	15+71.50	15.38±14.0±	2.00%	
P-8	12"	42.0'	S-6	21.84±	S-5	19.42±	6.00%	REPLACE EXISTING 12" CMP W/ NEW 12" CPP
P-9	6"	24.0'	14+95.90, 10.42 L	22.20±	S-5	22.00±	10.00%	EXTEND 6" PIPE TO NEW MANHOLE, S-6
P-10	12"	21.0'	11+80.82, 20.29 R	131.90	S-3	131.00	3.50%	
P-11	12"	14.0'	11+68.35, 15.75 R	131.28	S-3	131.00	2.00%	

STRUCTURE SUMMARY							
STRUCTURE NO.	LOCATION	GRATE/LID ELEV.	SUMP	GRATE/LID	CASTING TYPE	REMARKS	LAYOUT COORDINATES
S-1	10+30.00	N/A	1.25'	N/A	CONCRETE HEADWALL	DEBRIS GRATE, SEE DRAINAGE DETAILS	NORTH 90237.00, EAST 102969.54
S-2	10+73.63 10+72±	135.78	NONE	SOLID	TYPE I MANHOLE	INSTALL FLOW CHANNEL	NORTH 90199.80, EAST 102946.36
S-3	11+69.17	133.06	NONE	SOLID	TYPE I MANHOLE	INSTALL FLOW CHANNEL & CONCRETE COLLAR	NORTH 90185.94, EAST 102851.83
S-4	12+62.18	114.62	NONE	SOLID	24"X24" CPP TEE	TEE W/ REMOVABLE LID	NORTH 90104.80, EAST 102806.46
S-5	15+19.61	21.53	1.50'	CURB GRATE	TYPE I MANHOLE	DEPRESSED CURB INLET	NORTH 89881.64, EAST 102678.26
S-6	14+77.75, 4.55 R	23.84±22.8±	1.50'	FIELD GRATE	TYPE A CATCH BASIN	MATCH EXISTING	NORTH 89920.63, EAST 102694.08

SLOPE ANCHOR SUMMARY			
ANCHOR NO.	LOCATION	FLOWLINE ELEV.	ANCHOR TYPE
A-1	11+94.83	113.57	CONCRETE
A-2	12+67.32	112.07	CONCRETE
A-3	12+93.27 12+70±	98.21±112±	CONCRETE
A-4	13+15.76	91.93	METAL Concrete
A-5	13+29.51 13+31±	85.93	METAL
A-6	13+44.99 13+44±	77.48	METAL
A-7	13+64.04 13+59±	68.63	METAL
A-8	13+66.41	60.19	METAL Not needed
A-9	13+79.27 13+73±	52.47	METAL
A-10	13+92.97 13+85±	46.35	METAL
A-11	14+06.84	40.65	METAL Not needed
A-12	14+12.87	38.00	CONCRETE Not needed

INSULATION BOARD SUMMARY		
LOCATION	THICKNESS	AREA (FT^2)
WATER STREET	4" (R-20)	32.0
TONGASS AVE	4" (R-20)	32.0

MISCELLANEOUS NOTES:

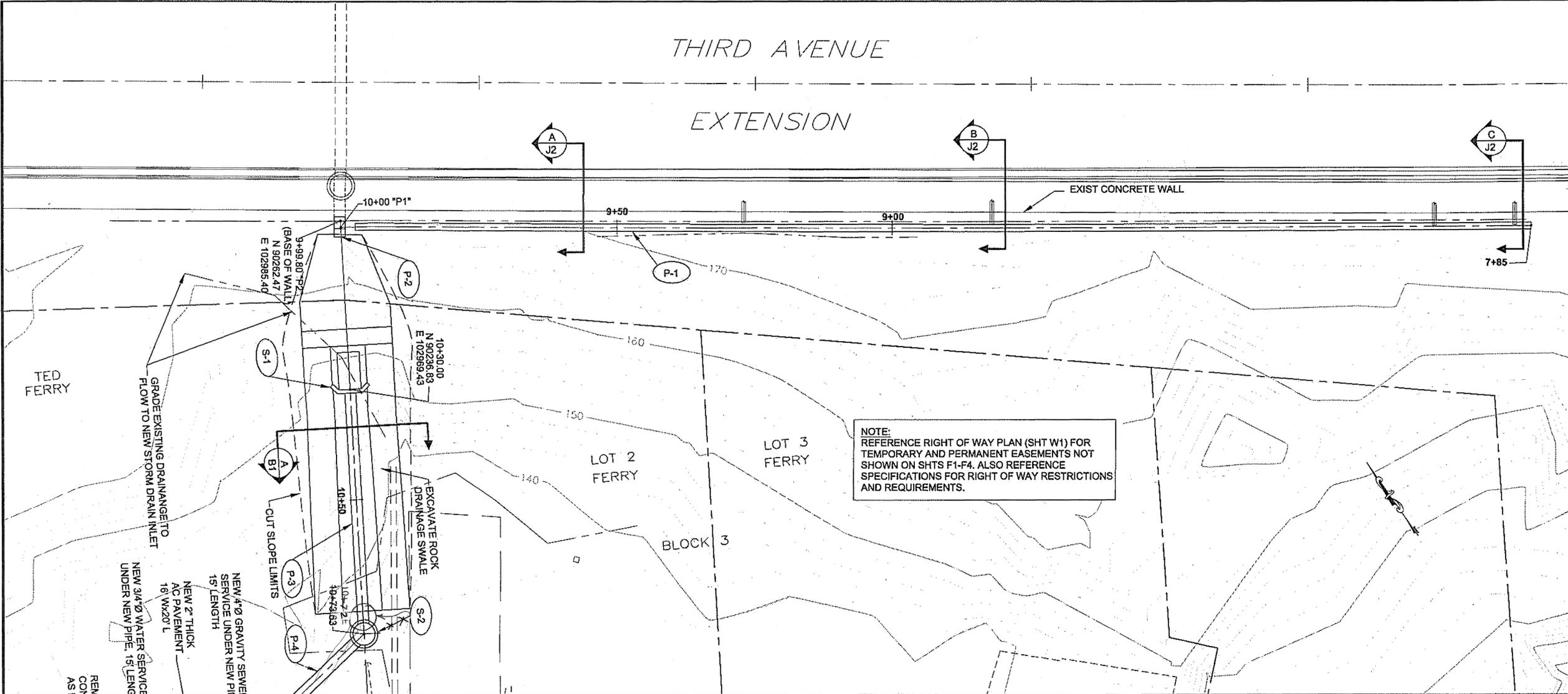
- REFERENCE RIGHT OF WAY PLAN, SHEET W1, FOR PERMANENT AND CONSTRUCTION EASEMENT BOUNDARIES ESTABLISHED FOR THIS PROJECT. ALL WORK SHALL BE CONTAINED WITH THESE EASEMENTS AND PER OTHER RESTRICTIONS AS NOTED ON THE PLANS AND IN THE SPECIAL PROVISIONS.
- PIPE LOCATIONS SHOWN ARE APPROXIMATE, FIELD REVISIONS MAY BE REQUIRED AS DIRECTED BY THE ENGINEER.
- SLOPE ANCHOR LOCATIONS SHOWN ARE APPROXIMATE, FIELD REVISIONS MAY BE REQUIRED AS DIRECTED BY THE ENGINEER.
- CONSTRUCT SIDEWALK, CURB AND GUTTER, AND ASPHALT CONCRETE SURFACES TO MATCH EXISTING.
- ALL STORM DRAIN MANHOLES WITHOUT A MEASURABLE SUMP SHALL HAVE AN ESTABLISHED FLOW CHANNEL ACCORDING TO THE DETAILS ON SHEET J5.
- ESTIMATED PIPE LENGTH IS € STRUCTURE TO € STRUCTURE OR PAY ITEM QUANTITY. ACTUAL LENGTH MAY VARY.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE *[Signature]* Date 4/15/11

REMOVAL OF STRUCTURES AND OBSTRUCTIONS SUMMARY		
ITEM	QUANTITY	REMARKS
TIMBER STAIRWAY	AS REQ'D	AS NEEDED. STAIRS AT TONGASS AVE & WATER ST.
DECOMMISSION EXISTING STORM DRAINS	AS REQ'D	TWO LOCATIONS, WATER ST.
STORM DRAIN MANHOLE	1 EA	REMOVE EXISTING TIMBER MANHOLE AT TONGASS AVE
12" METAL CULVERT	22 FT	REMOVE EXISTING CULVERT AT BOTTOM OF TREMONT ST.
28X18 CMP CULVERT	75 FT	EXISTING CULVERT ACROSS TONGASS AVE
CONCRETE SIDEWALK	50 SY	REMOVAL AT WATER ST AND TONGASS AVE
CONCRETE CURB AND GUTTER	160 FT	REMOVAL AT WATER ST AND TONGASS AVE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. Miller 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION TREMONT DRAINAGE IMPROVEMENTS PROJECT NO. 68905			
DESIGNED BY: D. Lowell DRAWN BY: D. Lowell		MISCELLANEOUS SUMMARIES			
PATH: Q:\KTN\68905\PLANS\PLANS\SET3 11-08\68905_D1_SUMS.DWG TAB: D1 Tuesday, February 17, 2009 4:01:29 PM BWBENNETT					
NO.	DATE	DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
				20	20



NOTE:
REFERENCE RIGHT OF WAY PLAN (SHT W1) FOR
TEMPORARY AND PERMANENT EASEMENTS NOT
SHOWN ON SHTS F1-F4. ALSO REFERENCE
SPECIFICATIONS FOR RIGHT OF WAY RESTRICTIONS
AND REQUIREMENTS.

DRAINAGE PLAN
AND PROFILE

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE *[Signature]* Date 4-15-11

CHECKED BY: K. Miller

DESIGNED BY: D. Lowell
DRAWN BY: D. Lowell

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

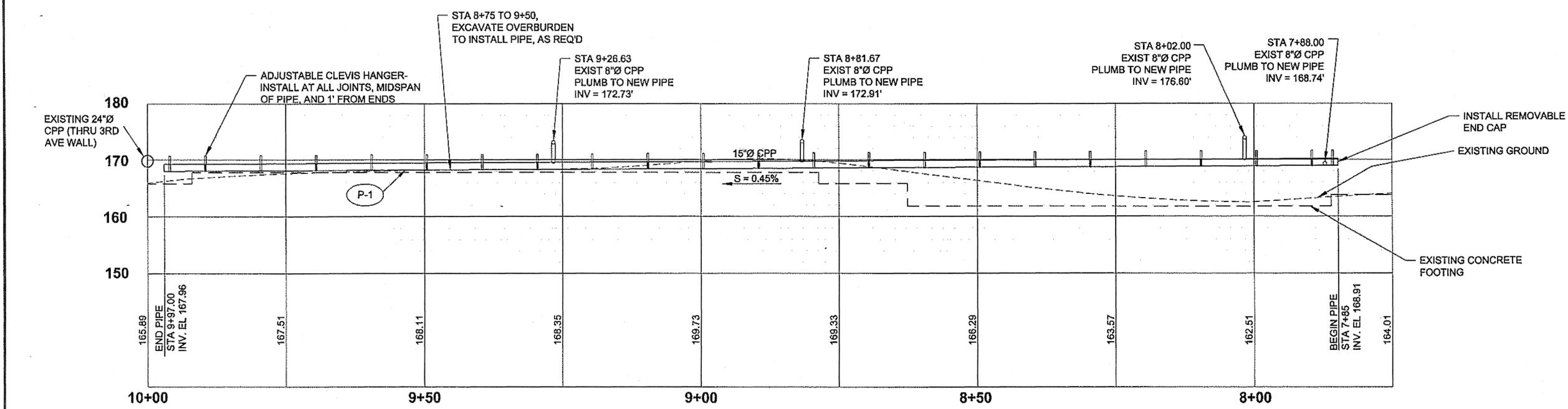
TREMONT DRAINAGE
IMPROVEMENTS
PROJECT NO. 68905

**DRAINAGE PLAN
AND PROFILE**

PROJECT DESIGNATION
STP-MG-0904(02)

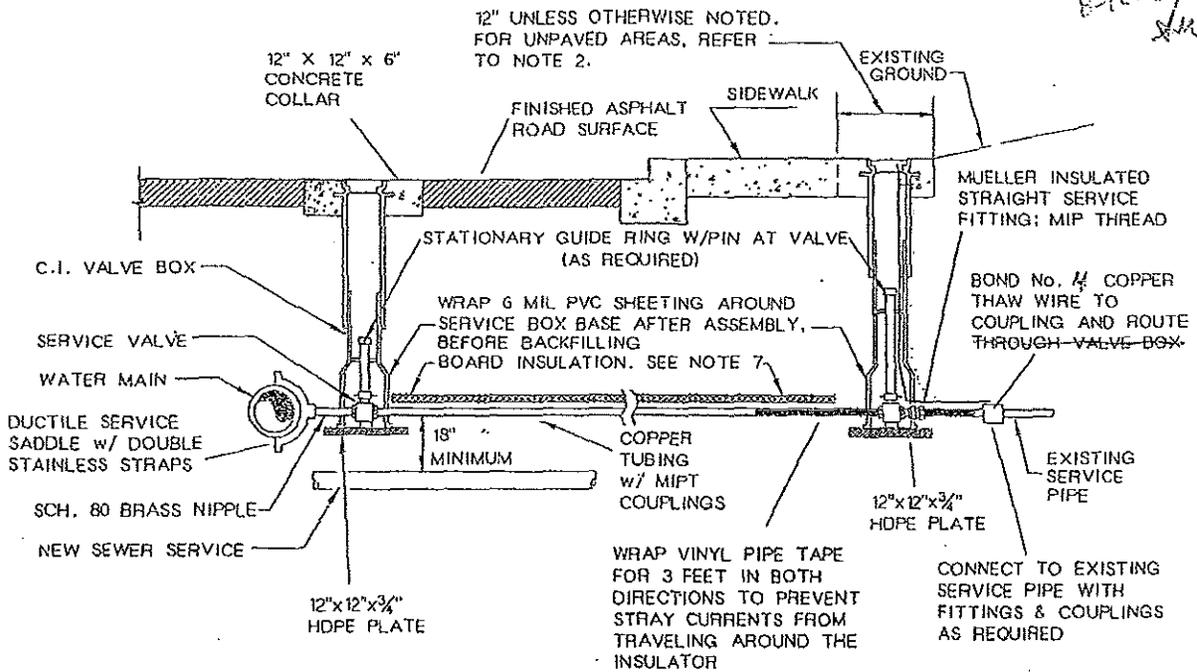
STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F1	20



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

*I picked this up from RPK
water dept and based delivered
to Steve Burrell
8-10-09
SMW*



NOTES:

1. INSTALL TOP OF VALVE BOX IN SIDEWALK AS SHOWN, 1/4" BELOW TOP OF PAVED SURFACE.
2. IN AREAS WITHOUT SIDEWALK, INSTALL VALVE BOX 6" BEHIND CURB, 1/4" BELOW PAVED SURFACE OR 3" BELOW UNPAVED SURFACES.
3. ALLOW 12" FOR RAISING VALVE BOX. GREASE THE OVERLAPPING PORTION.
4. ENLARGED BASE IS REQUIRED FOR 1" SERVICE VALVES AND LARGER.
5. A SERVICE VALVE ROD EXTENSION IS REQUIRED ON ALL SERVICE VALVES 6' OR MORE BELOW FINISHED GRADE.
6. EXTEND SERVICE PAST SERVICE VALVE TO EXISTING SERVICE PIPE AS REQUIRED TO ESTABLISH SERVICE OR AS INDICATED ON THE PLANS. WHERE SERVICE EXTENSION IS ABOVE GROUND, PIPE SHALL BE INSULATED WITH 2" OF FOAM INSULATION WITH PROTECTIVE COATING.
7. PLACE BOARD INSULATION W/ BURIED UTILITY WARNING TAPE ABOVE AS REQUIRED.
8. IN UNPAVED STREETS OR AREAS WITHOUT SIDEWALKS, EACH VALVE BOX TO BE SUPPORTED BY A 12"x 12"x 6" CONCRETE PAD POURED AROUND THE UPPER SERVICE BOX TOP.

TYPICAL BURIED WATER SERVICE - 2" AND SMALLER

N.T.S.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

Water Service installed per City Drawing of RPK

KETCHIKAN PUBLIC UTILITIES ENGINEERING

TYPICAL WATER SERVICE

ELECTRICALLY INSULATED SERVICE

DETAIL FOR 2-INCH AND SMALLER

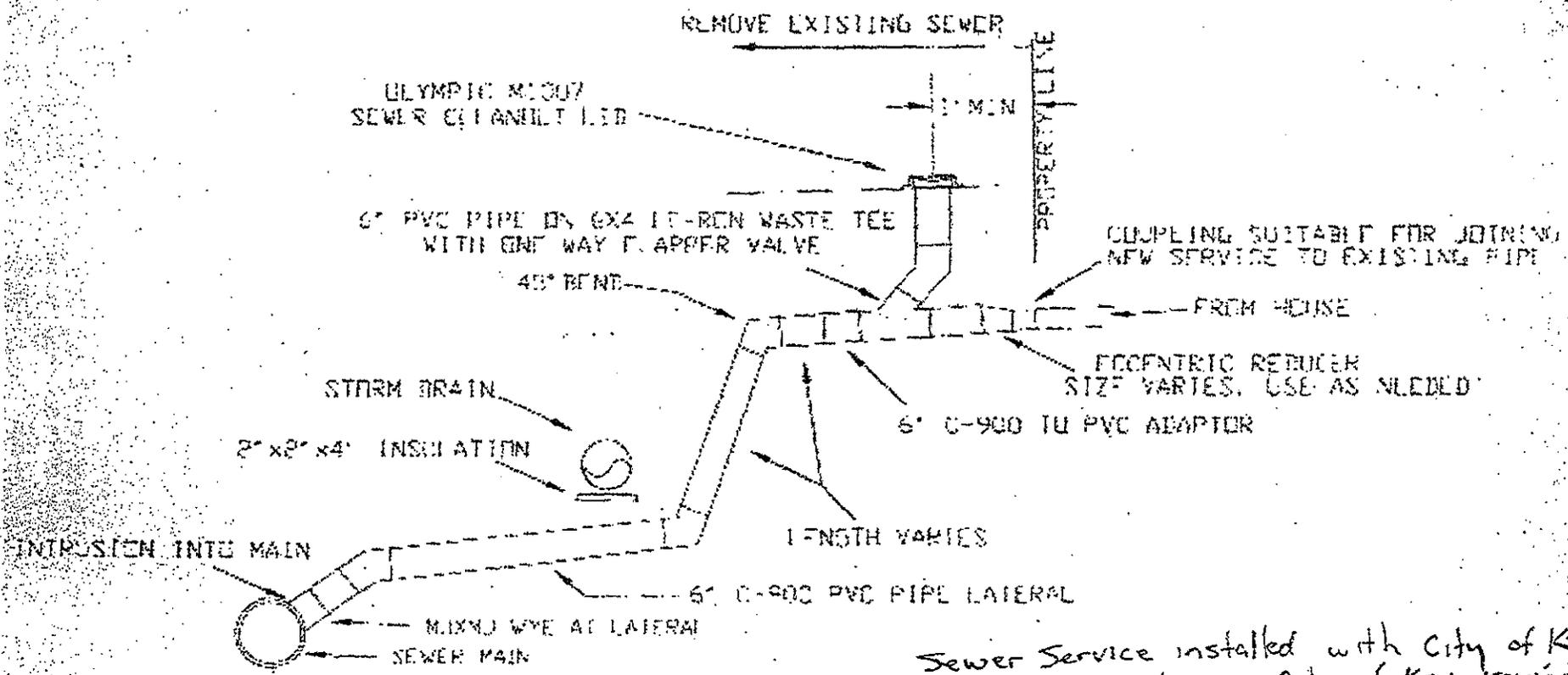
-JCK-

SCALE: NONE

MAY 2001

Attachment 1

City Public Works Dept
 and kind delivery of
 to Steve Barrett
 8-10-09
fw



Sewer Service installed with City of Ketchikan
 supplied materials per City of Ketchikan drawing

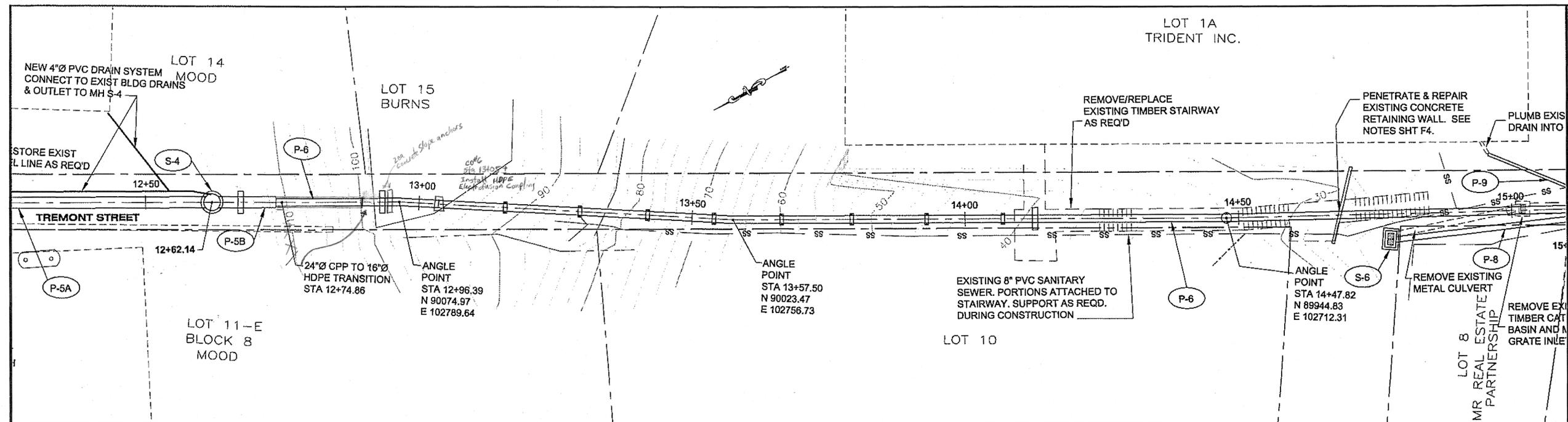
SEWER LATERAL PROFILE

Attachment 2

CITY OF KETCHIKAN

TYPICAL SEWER LATERAL PROFILE	DRAWN BY:	SCALE:	DATE:
	SAB	NOT TO SCALE	3-25-03

LOT 1A
TRIDENT INC.



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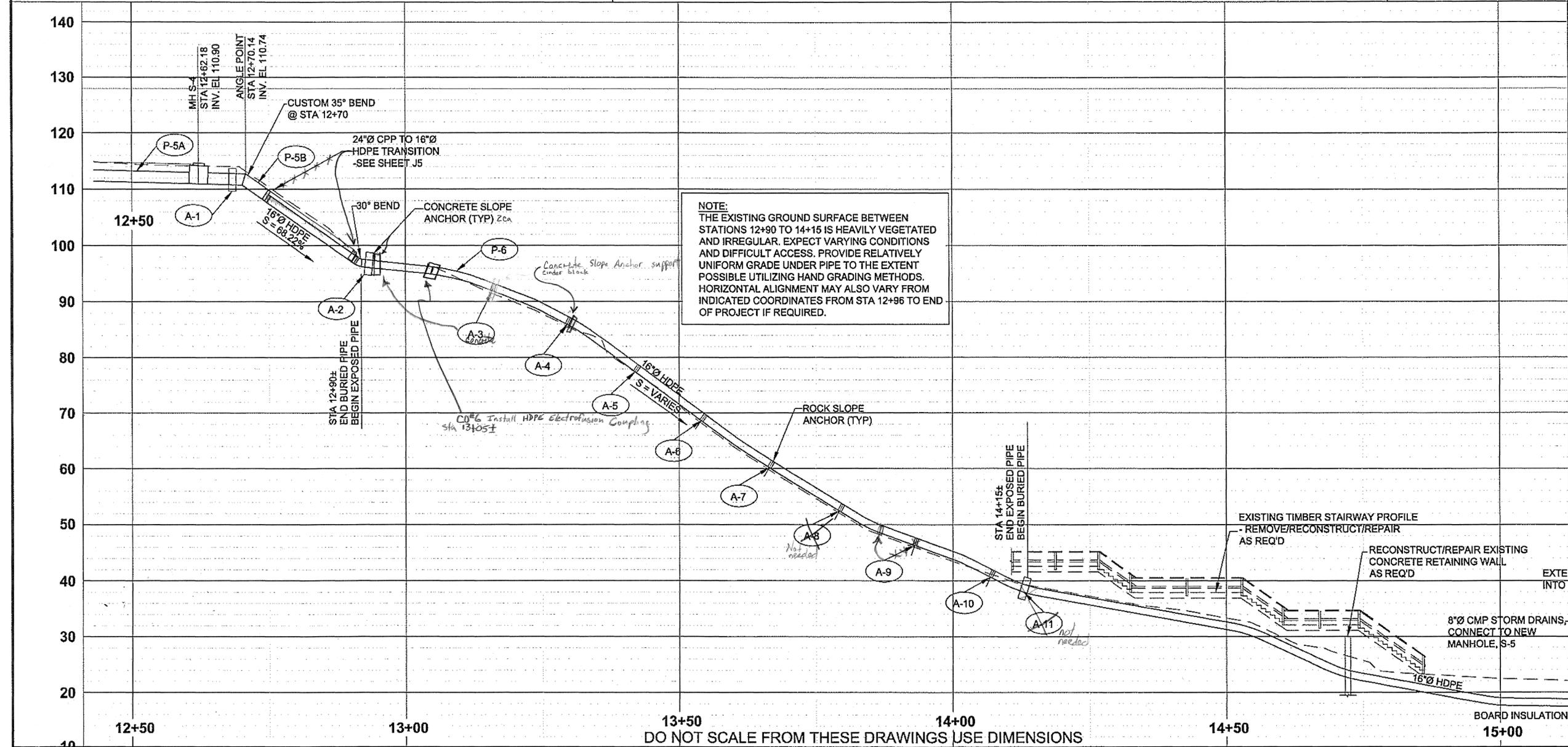
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



DRAINAGE PLAN
AND PROFILE

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE: *[Signature]* Date: 4-15-11

CHECKED BY: K. Miller

DESIGNED BY: D. Lowell

DRAWN BY: D. Lowell

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

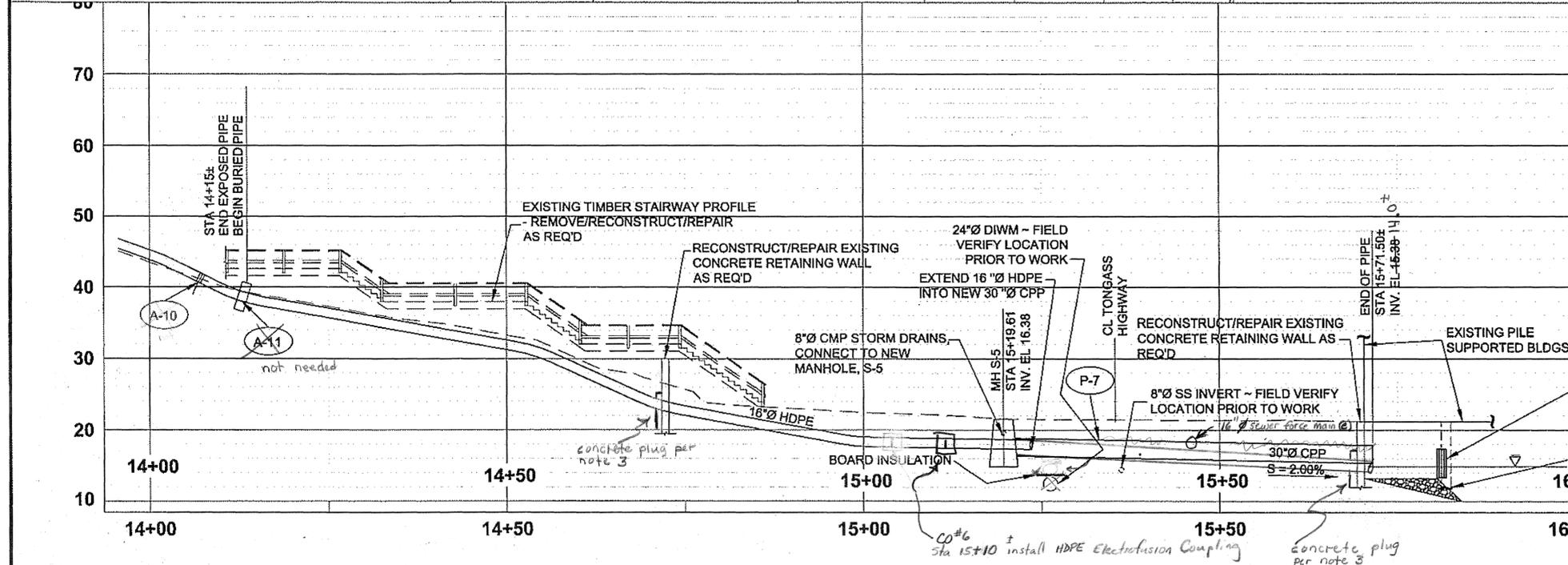
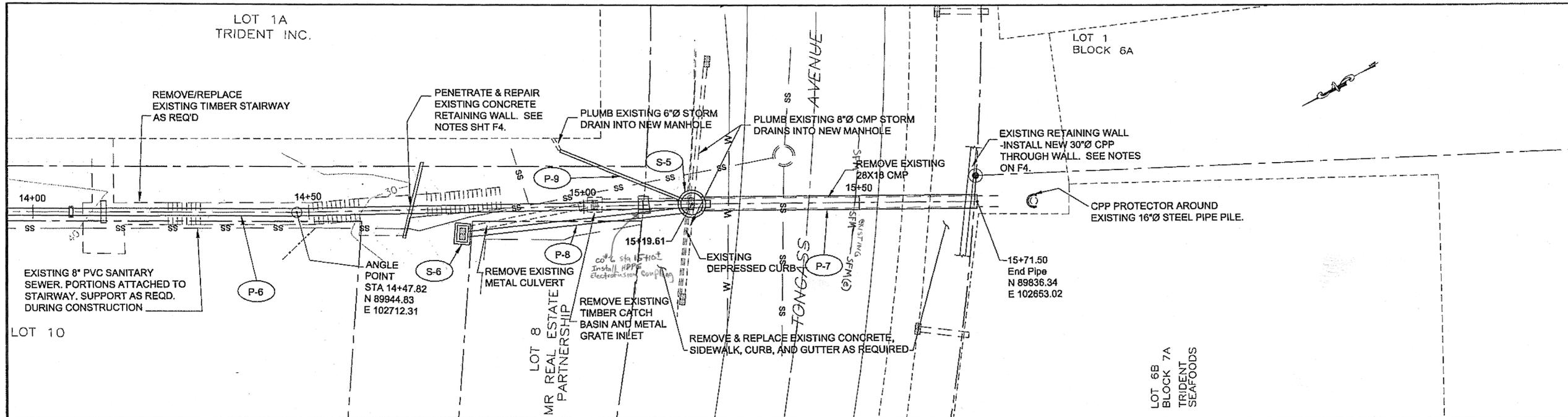
TREMONT DRAINAGE
IMPROVEMENTS
PROJECT NO. 68905

**DRAINAGE PLAN
AND PROFILE**

PROJECT DESIGNATION
STP-MG-0904(02)

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F3	20



- RETAINING WALL PENETRATION NOTES:**
1. CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO INSPECT EXISTING CONDITIONS AND PRESERVE AND PROTECT THE INTEGRITY OF EXISTING RETAINING WALLS DURING EXCAVATION, PIPE PENETRATION AND BACKFILL.
 2. WHERE PIPE PENETRATION IS REQUIRED, CAREFULLY SAWCUT OR DRILL SUFFICIENT HOLES AROUND THE PERIMETER OF THE OPENING TO PREVENT DAMAGE TO SURROUNDING WALL AREAS.
 3. REPAIR RETAINING WALL PIPE OPENING BY INSTALLING FORM ON THE EXPOSED OR FINISHED FACE OF WALL AND REPAIR THE VOID BETWEEN THE PIPE AND THE WALL TO FULL THICKNESS WITH CLASS A CONCRETE. ALSO CAST A PLUG OF CONCRETE ON THE BACKFILL SIDE OF THE WALL THAT COMPLETELY SURROUNDS THE PIPE OPENING PLUS 1-FOOT.

CUT AND FIT 24"Ø OR 30"Øx4' L CPP PIPE SECTION AROUND EXISTING 16"Ø STEEL PIPE PILE & AFFIX WITH STAINLESS STEEL BANDS.

REMOVE & REPLACE EXISTING ROCKS AROUND BASE OF PILE/CPP PILE PROTECTOR. INSTALL ROCKS APPROX. 2' HIGH AROUND BASE OF PILE.

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BENNETT, BERT
 TAB: F4 Wednesday, February 18, 2009 9:21:4

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

DRAINAGE PLAN AND PROFILE

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE *[Signature]* Date 1/15/11

CHECKED BY: K. Miller

DESIGNED BY: D. Lowell
 DRAWN BY: D. Lowell

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

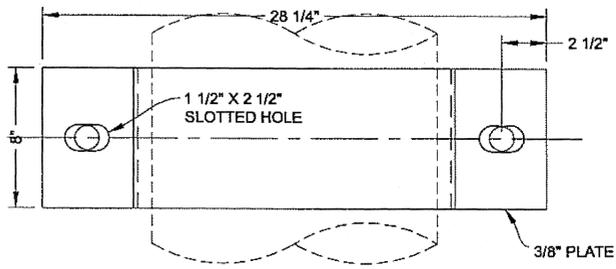
TREMONT DRAINAGE IMPROVEMENTS
 PROJECT NO. 68905

DRAINAGE PLAN AND PROFILE

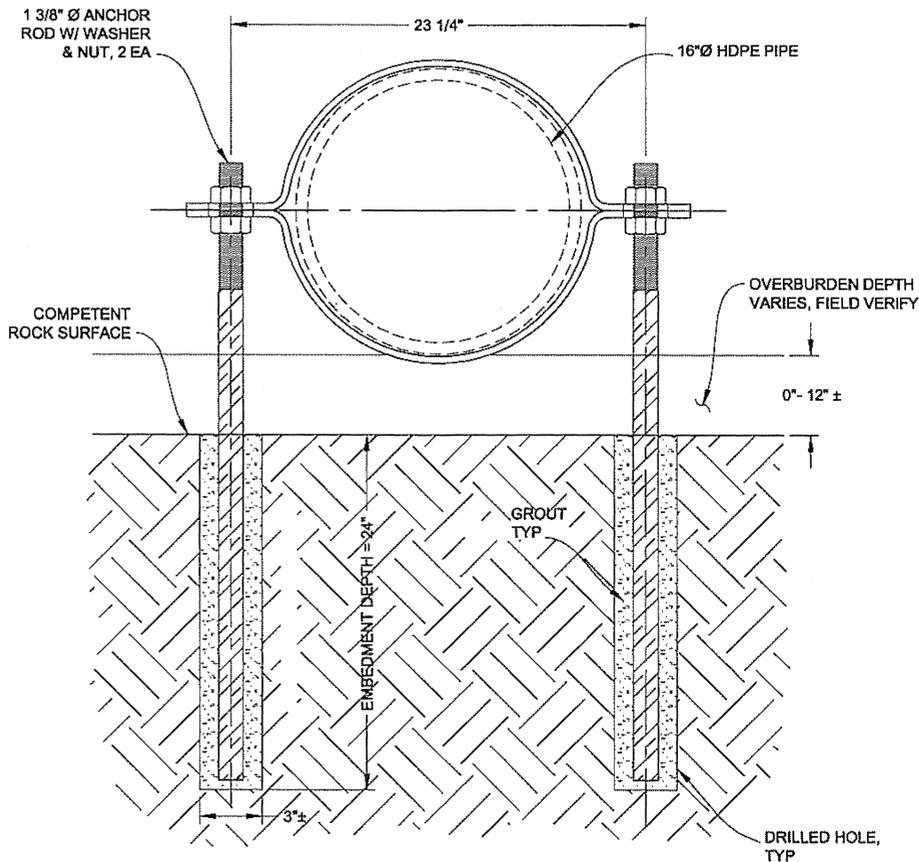
PROJECT DESIGNATION
 STP-MG-0904(02)

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
F4	20

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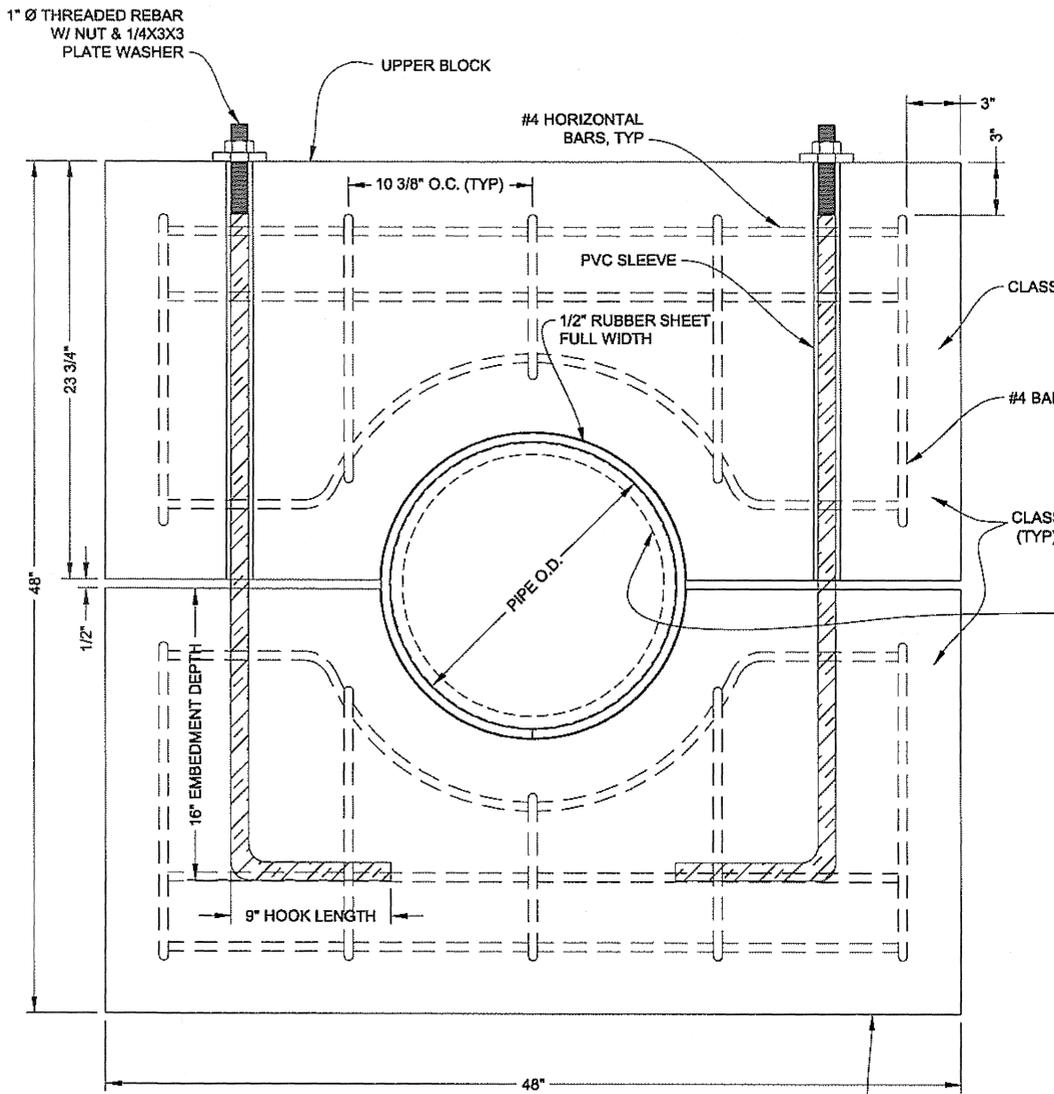


METAL SLOPE ANCHOR DETAIL
PLAN VIEW



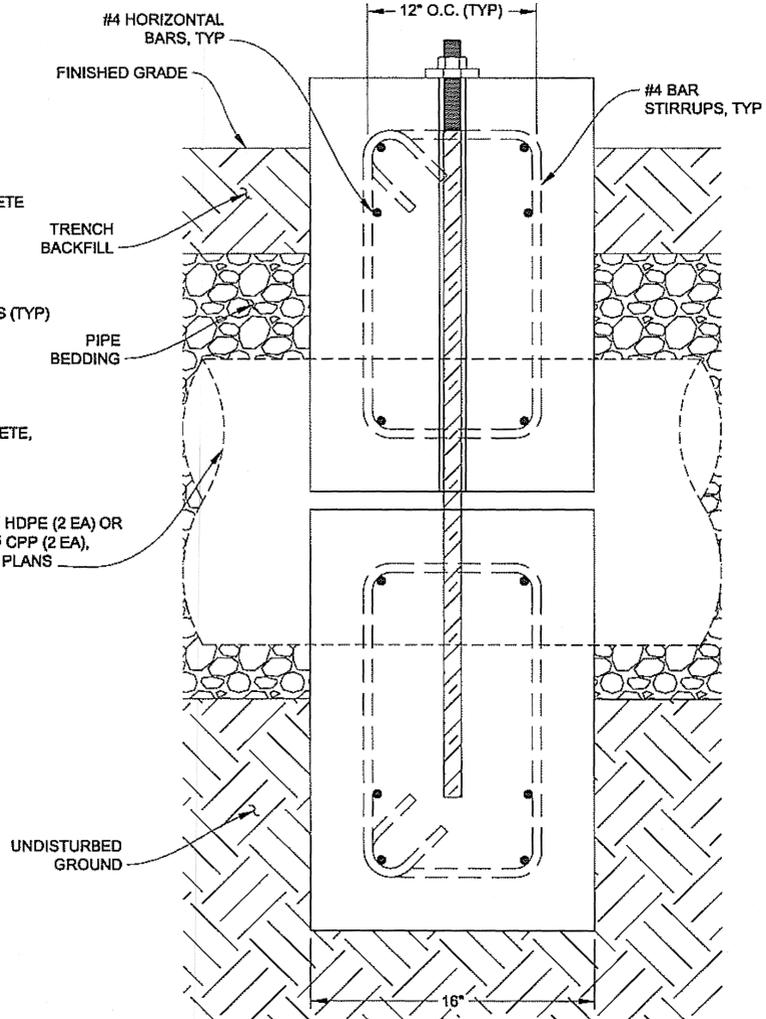
METAL SLOPE ANCHOR DETAIL
ELEVATION VIEW

- METAL SLOPE ANCHOR DETAIL NOTES:**
1. STEEL ROCK BOLTS FOR METAL SLOPE ANCHORS SHALL BE WILLIAMS FORM ENGINEERING CORP R71 ALL-THREAD-BAR (GRADE 150 KSI), CONFORMING TO ASTM615, OR APPROVED EQUAL. FURNISH BOLTS IN THE NOMINAL DIAMETER AND FULL LENGTH WITHOUT INTERNAL SPLICES. ALL ROCK BOLTS AND HARDWARE SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION.
 2. CONTRACTOR REQUIRED TO REMOVE OVERBURDEN DOWN TO THE COMPETENT ROCK SURFACE AND INSTALL BOLTS TO MINIMUM EMBEDMENT DEPTH.
 3. METAL ANCHOR PLATE RADIUS SHALL BE EQUAL TO MANUFACTURER'S HDPE OUTSIDE DIAMETER RADIUS PLUS 1/8".
 4. ALL STEEL FABRICATIONS AND HARDWARE SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION PER ASTM A123 AND A153.
 5. ALL BOLTS AND FASTNERS SHALL CONFORM TO ASTM A325.



CONCRETE SLOPE ANCHOR DETAIL
FRONT VIEW

- CONCRETE SLOPE ANCHOR DETAIL NOTES:**
1. 1/2" INCH SPACE BETWEEN UPPER AND LOWER BLOCKS SHALL BE MAINTAINED DURING CONSTRUCTION OF SLOPE ANCHOR. ONCE SLOPE ANCHOR IS COMPLETE, CLOSE 1/2" INCH GAP BY TIGHTENING NUTS ON THREADED REBAR.
 2. THREADED REBAR FOR CONCRETE SLOPE ANCHOR SHALL BE WILLIAMS FORM ENGINEERING CORP, GRADE 60 CONFORMING TO ASTM A615, OR APPROVED EQUAL. BARS SHALL BE FURNISHED IN THE NOMINAL DIAMETER AND FULL LENGTH WITHOUT INTERNAL SPLICES. ALL THREADED REBAR AND HARDWARE SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION.
 3. RUBBER SHEET SHALL HAVE A NOMINAL THICKNESS OF 1/2" INCH, BE INSTALLED OVER ENTIRE WIDTH OF SECURED PIPE.



CONCRETE SLOPE ANCHOR DETAIL
SIDE VIEW

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
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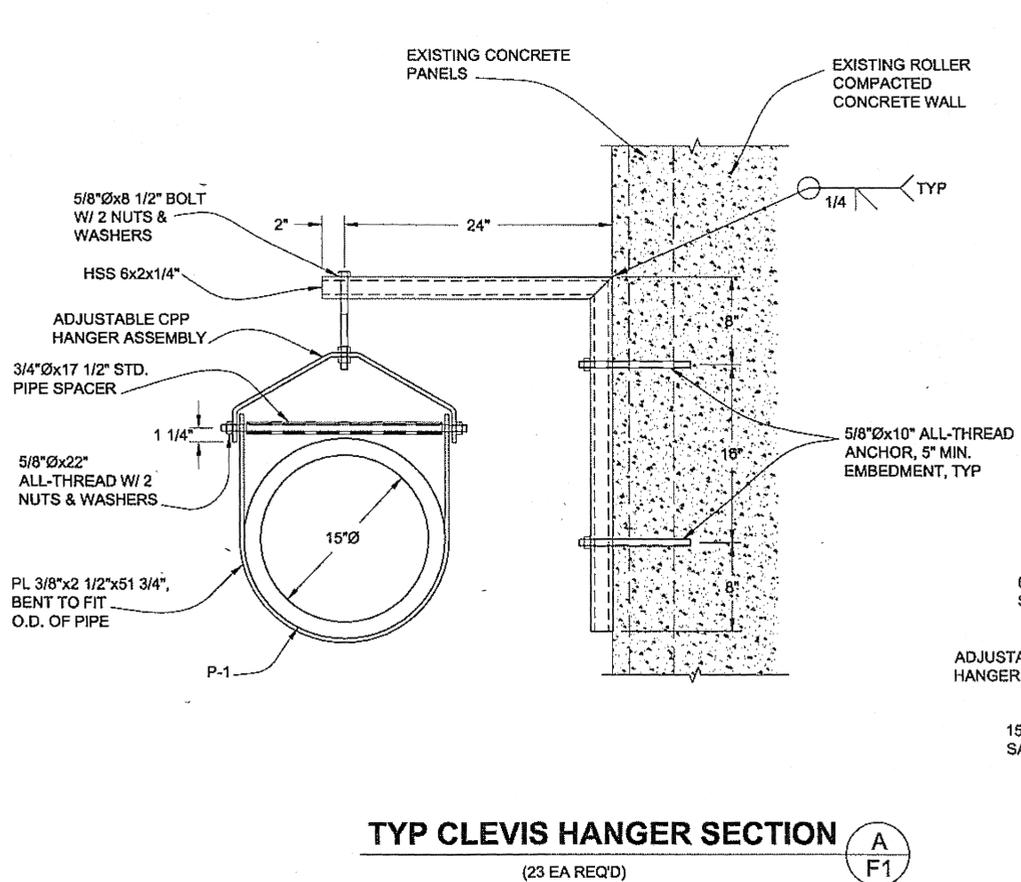
 DESIGNED BY: D. Lowell
 DRAWN BY: D. Lowell

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION
**TREMONT DRAINAGE
 IMPROVEMENTS
 PROJECT NO. 68905**

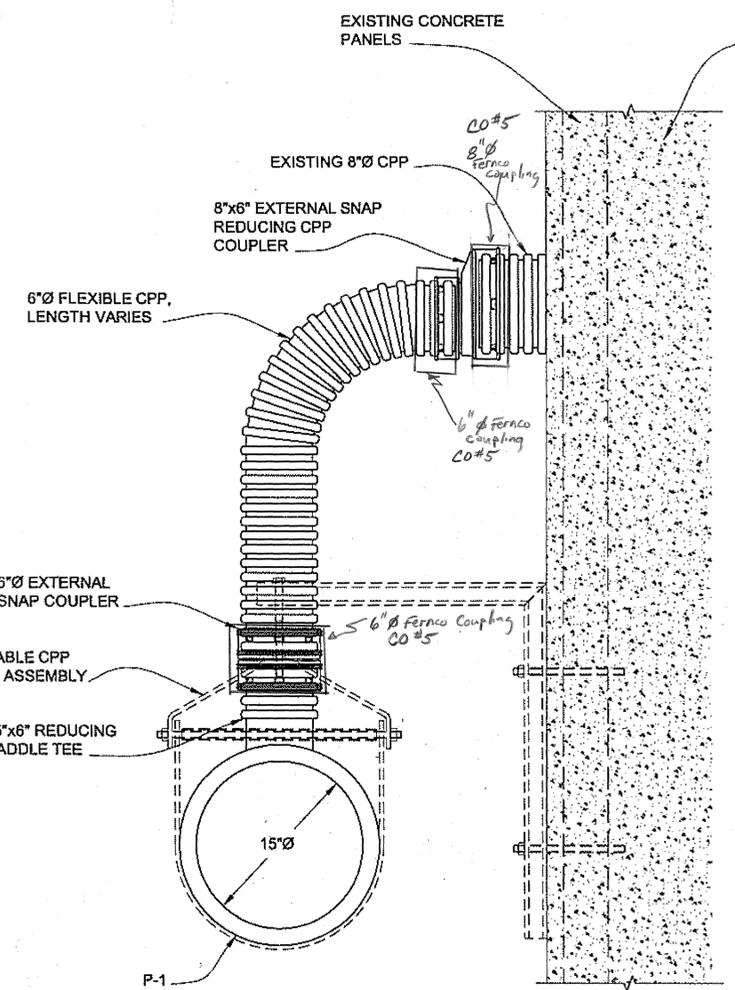
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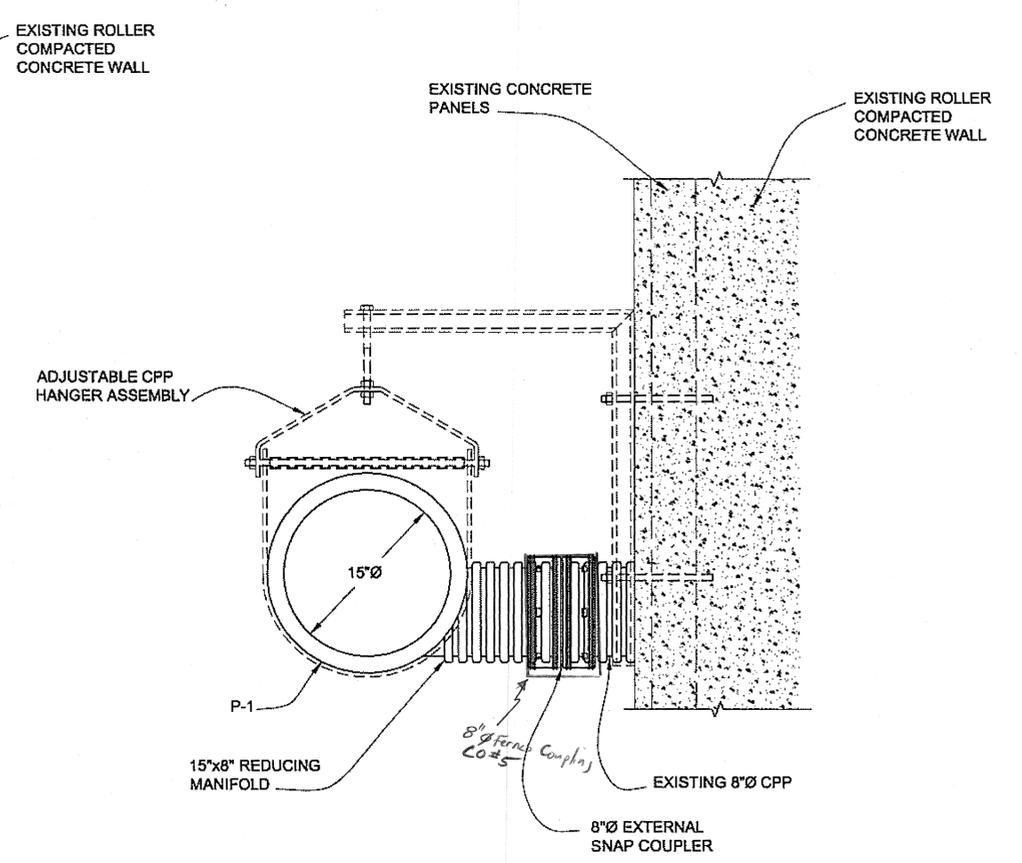


TYP CLEVIS HANGER SECTION (A F1)
(23 EA REQ'D)



TYP DRAIN INLET SECTION (B F1)
(3 EA REQ'D)

CO#5 - Add Fernco Couplings at all 6\"/>



END DRAIN INLET SECTION (C F1)
(1 REQ'D)

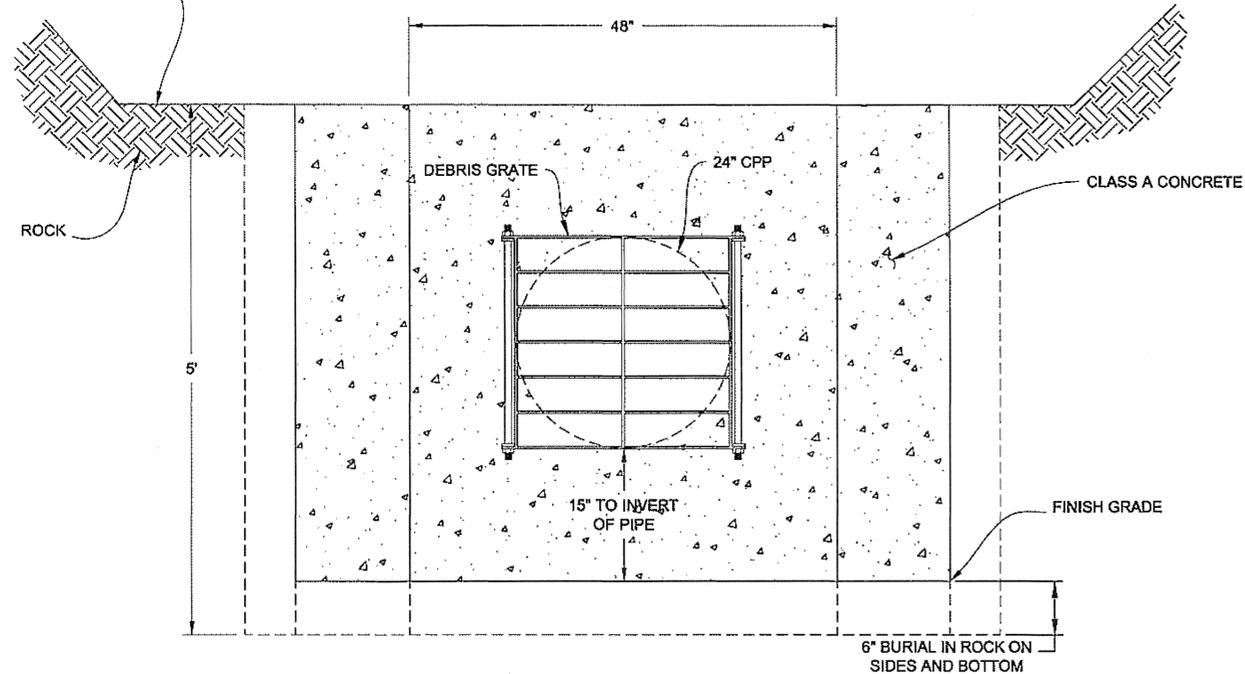
- ADJUSTABLE CLEVIS HANGER DETAIL NOTES:**
- ADJUSTABLE CLEVIS HANGER AND HARDWARE SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION PER ASTM A123 AND A153.
 - ALL BOLTS AND FASTNERS SHALL CONFORM TO ASTM A325, EXCLUDING ANCHOR BOLT.
 - ANCHOR ALL-THREAD SHALL CONFORM TO ASTM A307.
 - ALL PIPE JOINTS, MIDSPAN OF PIPE, AND 1' FROM ENDS SHALL BE SUPPORTED USING CLEVIS HANGER.
 - NOMINAL BOLT HOLE DIMENSIONS SHALL BE THE SIZE OF THE HARDWARE USED PLUS 1/8".
 - ALL-THREAD ANCHOR SHALL BE INSTALLED USING HILTI HY150 ADHESIVE ANCHORING SYSTEM OR APPROVED EQUAL.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE *[Signature]* Date 4-15-11

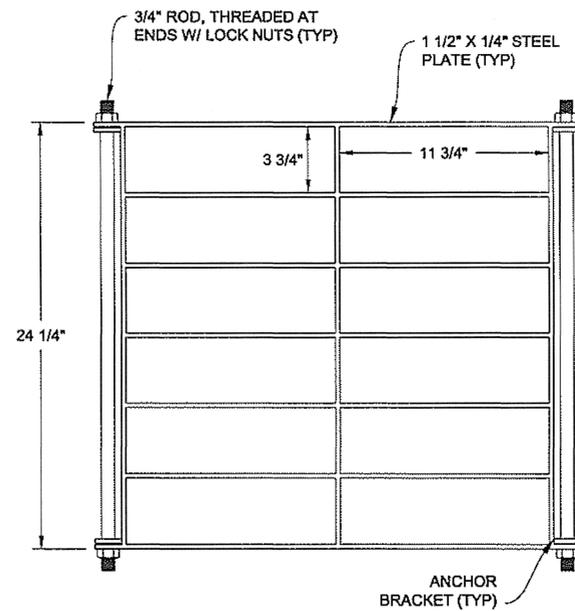
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CHECKED BY: K. Miller 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION TREMONT DRAINAGE IMPROVEMENTS PROJECT NO. 68905												
DESIGNED BY: D. Lowell DRAWN BY: D. Lowell		DRAINAGE DETAILS												
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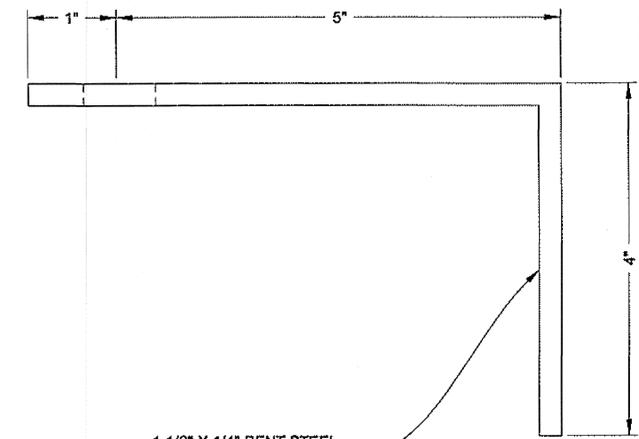
FINISH GRADE. SEE SHEETS B1 & F2



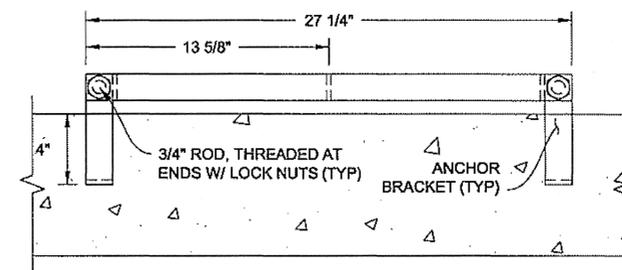
CONCRETE HEADWALL S-1
ELEVATION VIEW



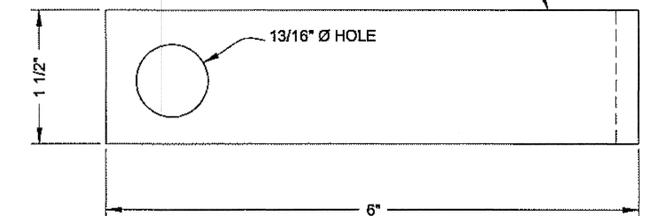
DEBRIS GRATE DETAIL
ELEVATION VIEW



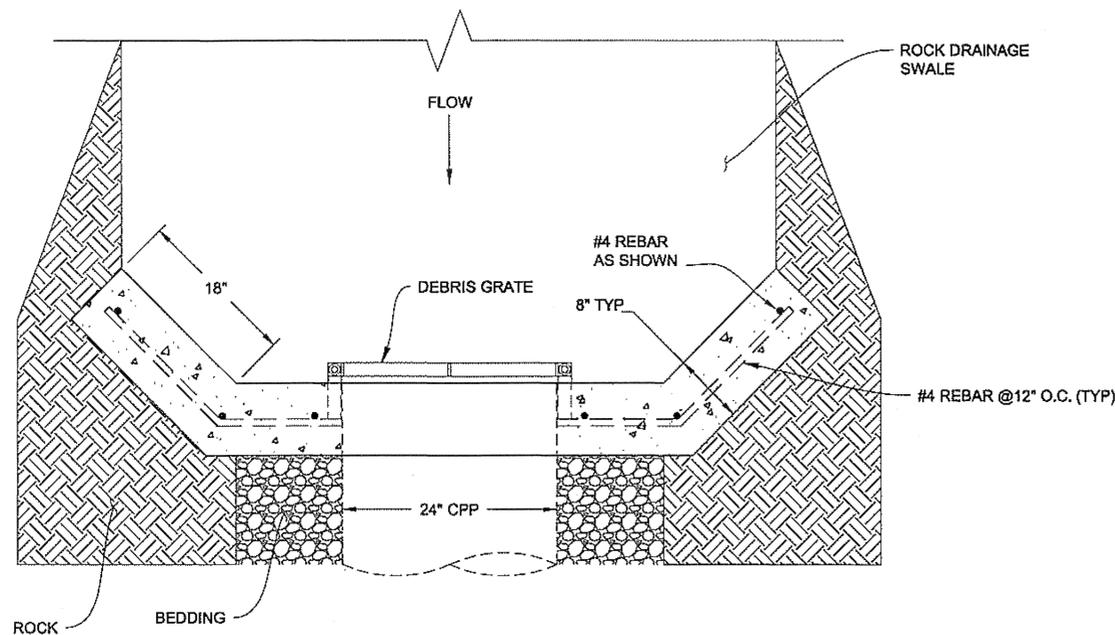
1 1/2" X 1/4" BENT STEEL PLATE OR L 6 X 4 X 5/16



DEBRIS GRATE DETAIL
PLAN VIEW



ANCHOR BRACKET DETAIL



CONCRETE HEADWALL S-1
PLAN VIEW

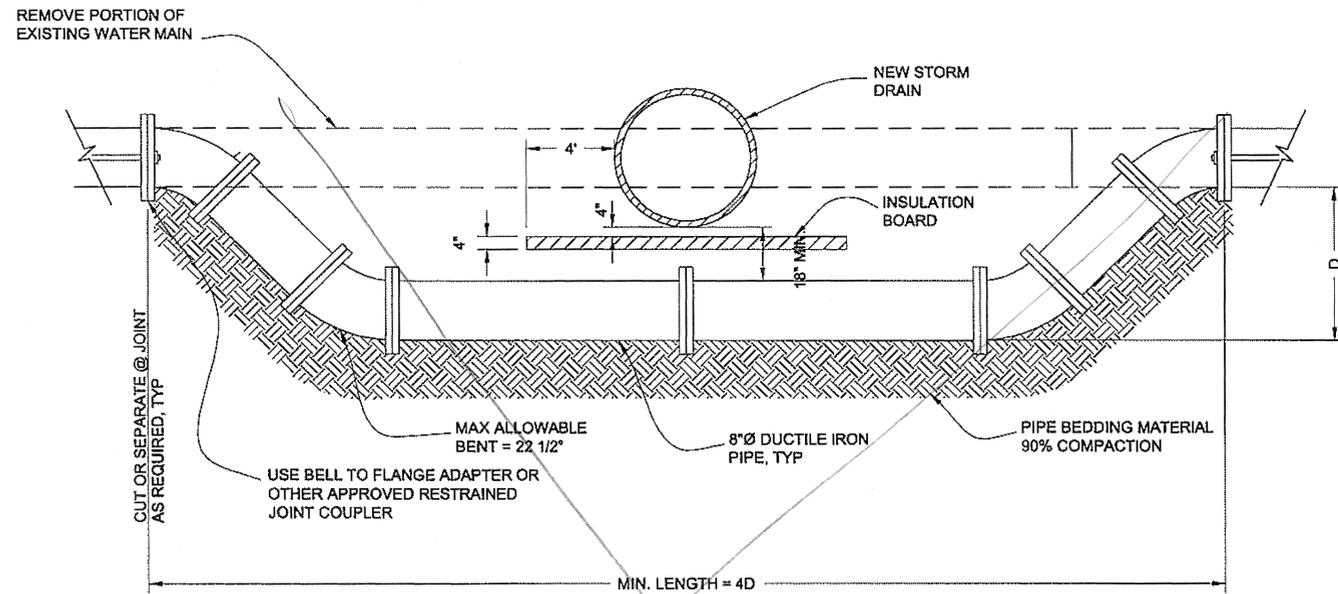
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE: *[Signature]* Date: 4-15-11

STORM DRAIN S-1, DEBRIS GRATE AND ANCHOR BRACKET DETAIL NOTES:

1. ALL STEEL FABRICATIONS SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION PER ASTM A123 AND A153.
2. ALL BOLTS AND FASTNERS SHALL CONFORM TO ASTM A325.
3. ANCHOR BRACKETS SHALL HAVE A MINIMUM EMBEDMENT OF 4" INTO WET CONCRETE.
4. DEBRIS GRATE SHALL SWING OPEN, PROVIDE 3/4" SPACE BETWEEN GRATE AND CONCRETE.
5. CONCRETE HEADWALL SHALL HAVE A MINIMUM SUMP OF 15".

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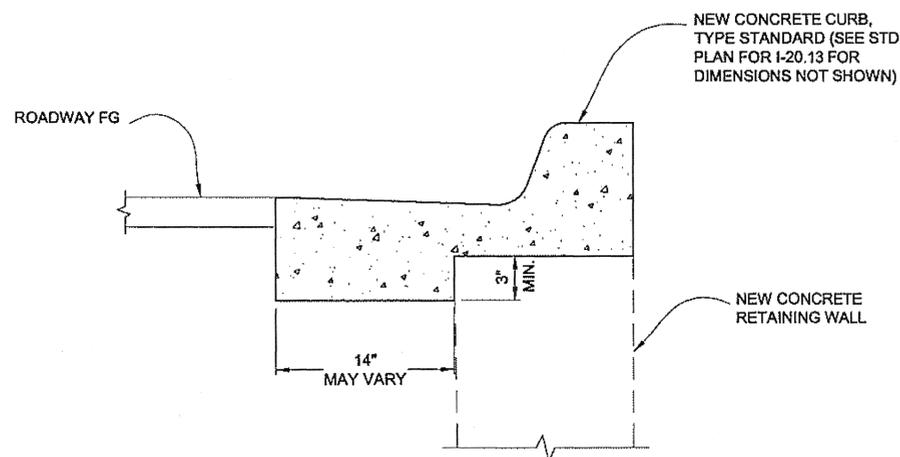
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DESIGNED BY: D. Lowell		TREMONT DRAINAGE IMPROVEMENTS PROJECT NO. 68905			
DRAWN BY: D. Lowell		2/23/09 DRAINAGE DETAILS			
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REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	STP-MG-0904(2)	2009	J3 20



- NOTES:**
1. FIELD VERIFY LOCATION OF EXISTING WATER MAIN. RELOCATE WATER MAIN ONLY IF REQ'D.
 2. ALL JOINTS SHALL BE RESTRAINED JOINT TYPE PIPE FITTINGS-MEGA-LUGS OR EQUAL.

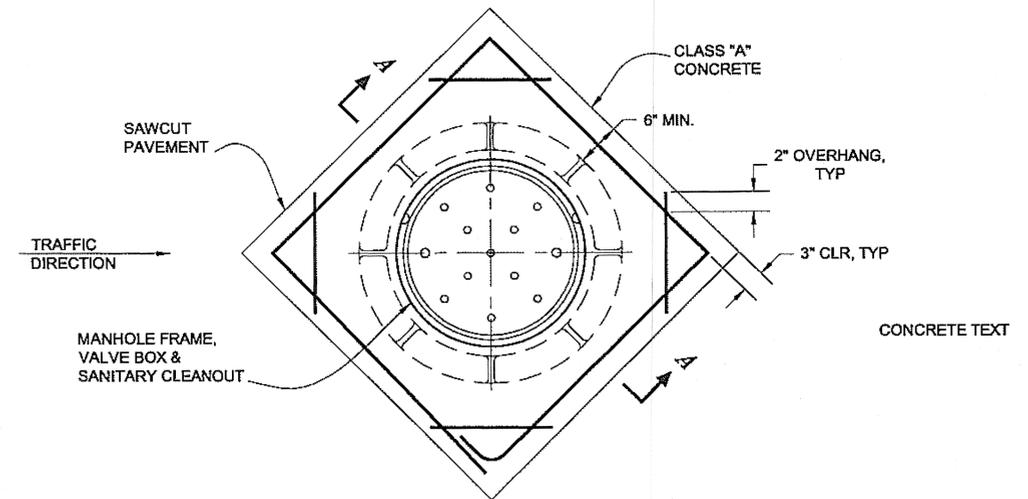
Deleted CO#3
RELOCATED WATER ST. WATER MAIN
TYPICAL DETAIL

1
F2



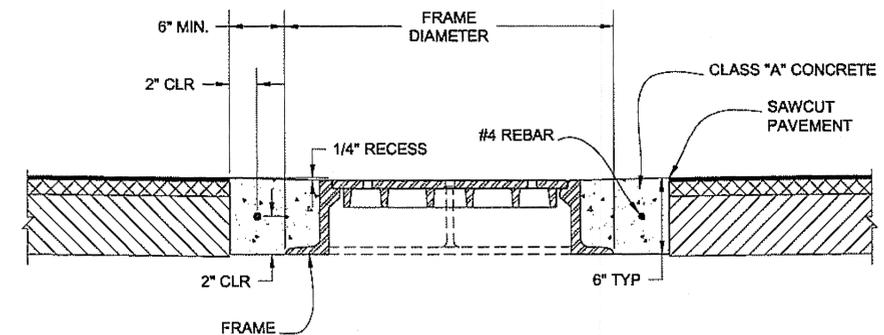
REPLACE CONCRETE CURB DETAIL

3
F2



PLAN

NOTE:
 CONCRETE COLLAR ENCASUREMENT IS NOT REQUIRED IF MANHOLE, CLEANOUT, MONUMENTS OR VALVE BOX ARE LOCATED OFF THE ROADWAY. CONSTRUCT A CONCRETE COLLAR IF WITHIN THE ROADWAY PAVEMENT LIMITS.



SECTION A-A

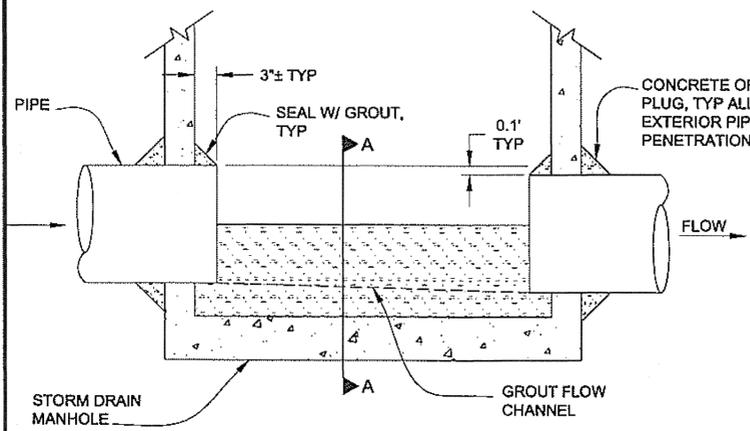
CONCRETE COLLAR ENCASUREMENT
DETAIL

2
F2

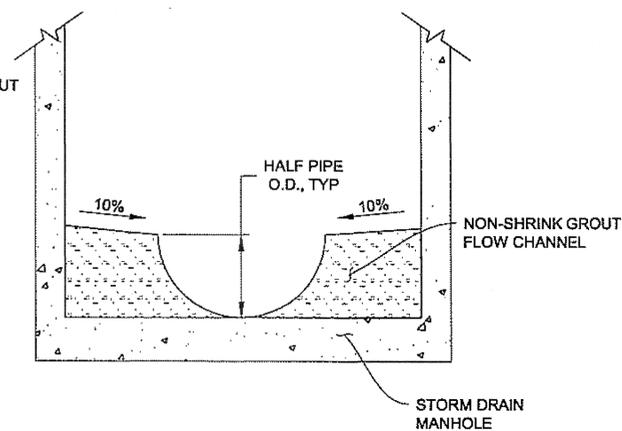
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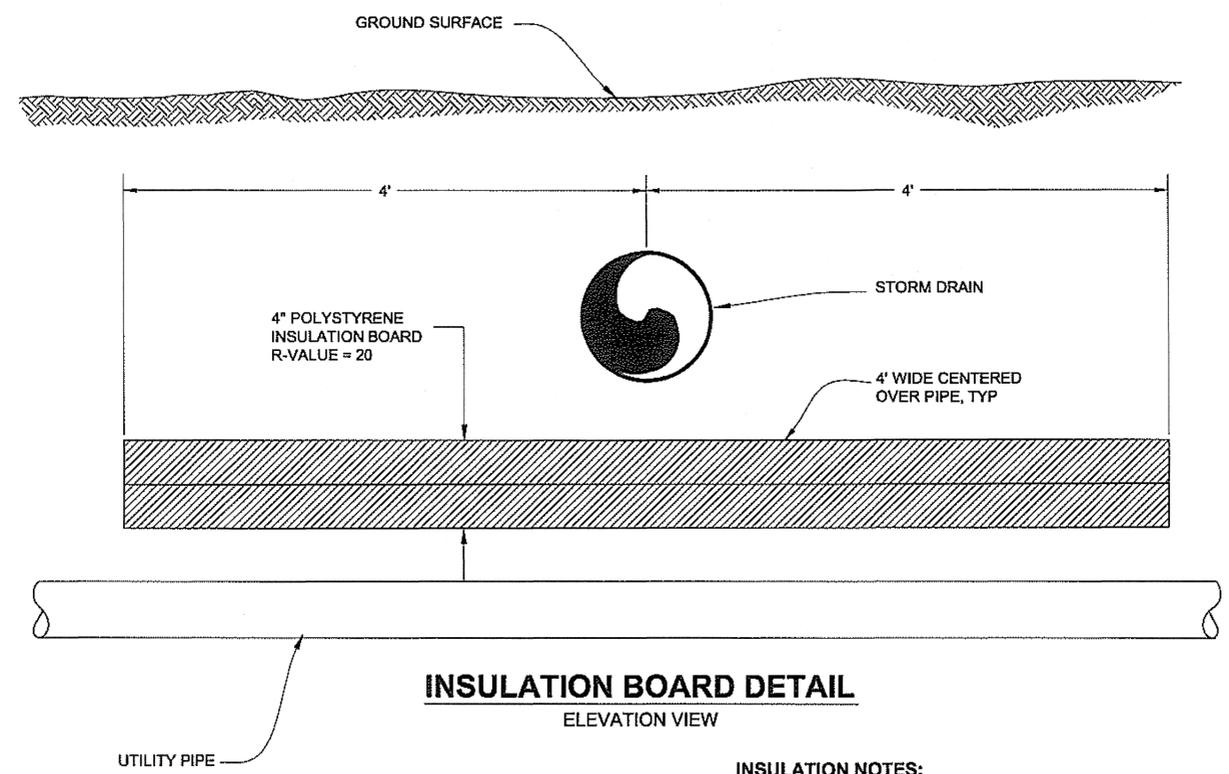
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DESIGNED BY: D. Lowell DRAWN BY: D. Lowell											
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NO.	DATE	DESCRIPTION									



TYP MANHOLE CONNECTION DETAIL
SIDE VIEW



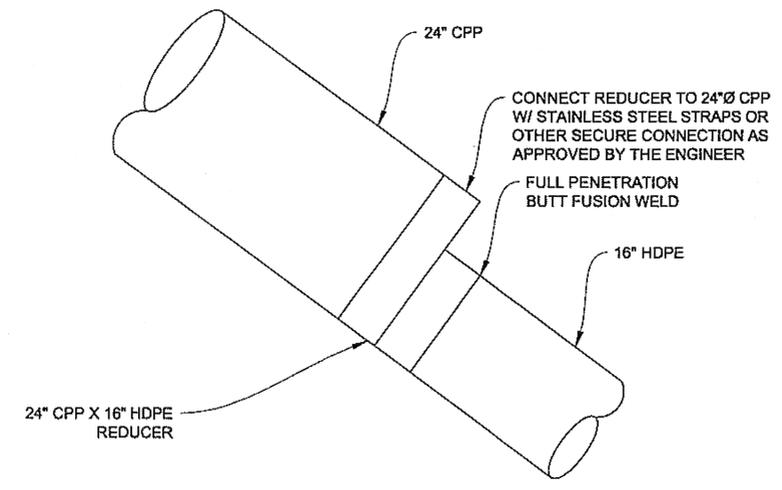
SECTION A-A FLOW CHANNEL



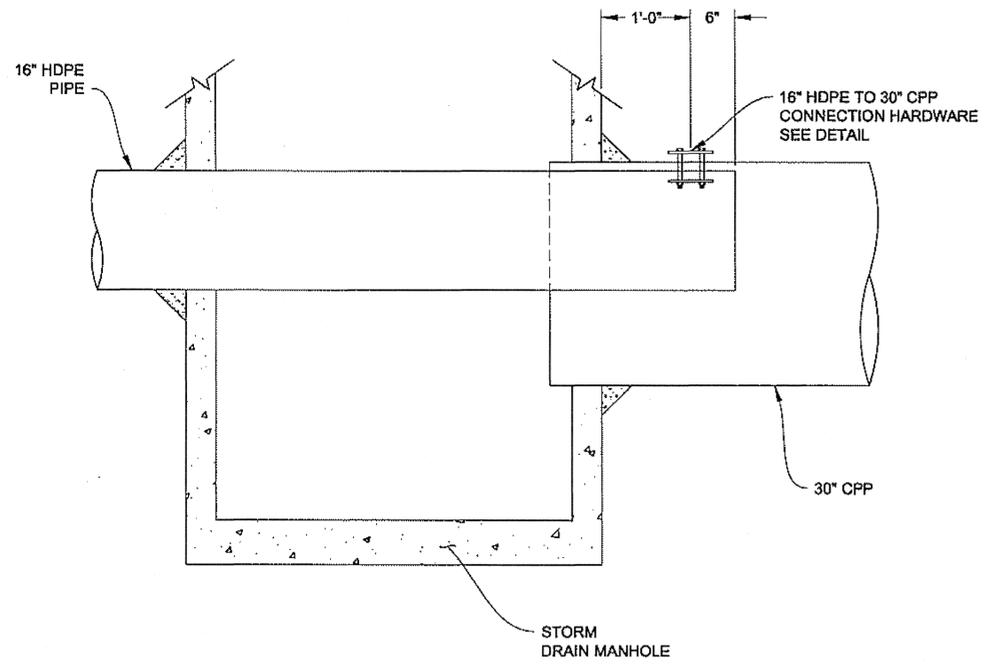
INSULATION BOARD DETAIL
ELEVATION VIEW

- FLOW CHANNEL NOTES:**
- BUILD FLOW CHANNEL ACCORDING TO ABOVE DETAIL USING A TYPE I STORM DRAIN MANHOLE WITH NO SUMP AND NON-SHRINK GROUT.
 - FLOW CHANNELS ONLY REQUIRED ON MANHOLES WITHOUT A MEASURABLE SUMP.

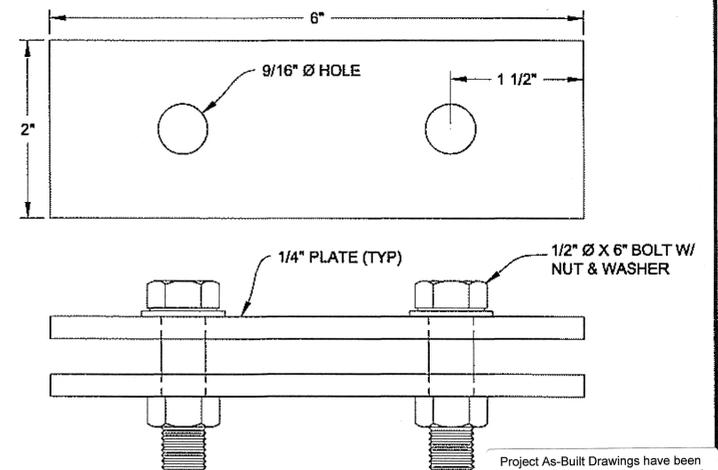
- INSULATION NOTES:**
- USE INSULATION BOARD WHERE STORM DRAIN CROSSES EXISTING WATERLINES. TWO LOCATIONS, SEE SHTS F2/J4 & F4.



24" CPP TO 16" HDPE TRANSITION
ELEVATION VIEW



16" HDPE TO 30" CPP TRANSITION
SIDE VIEW

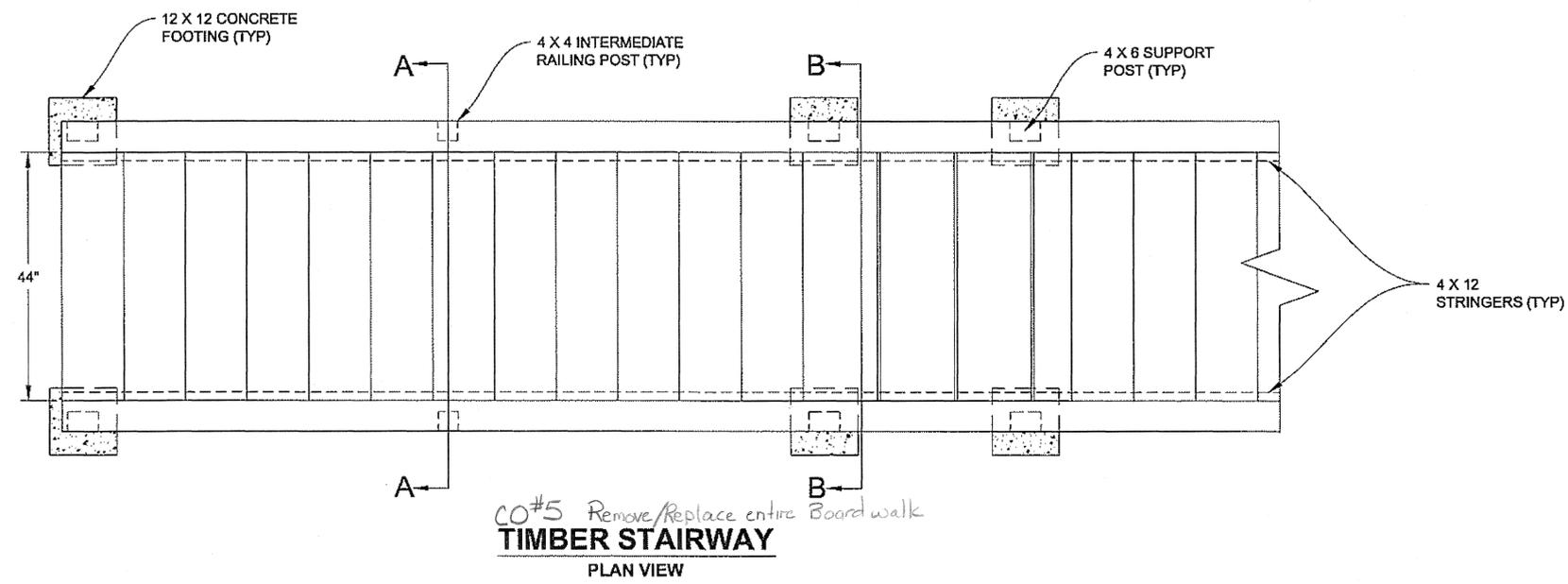
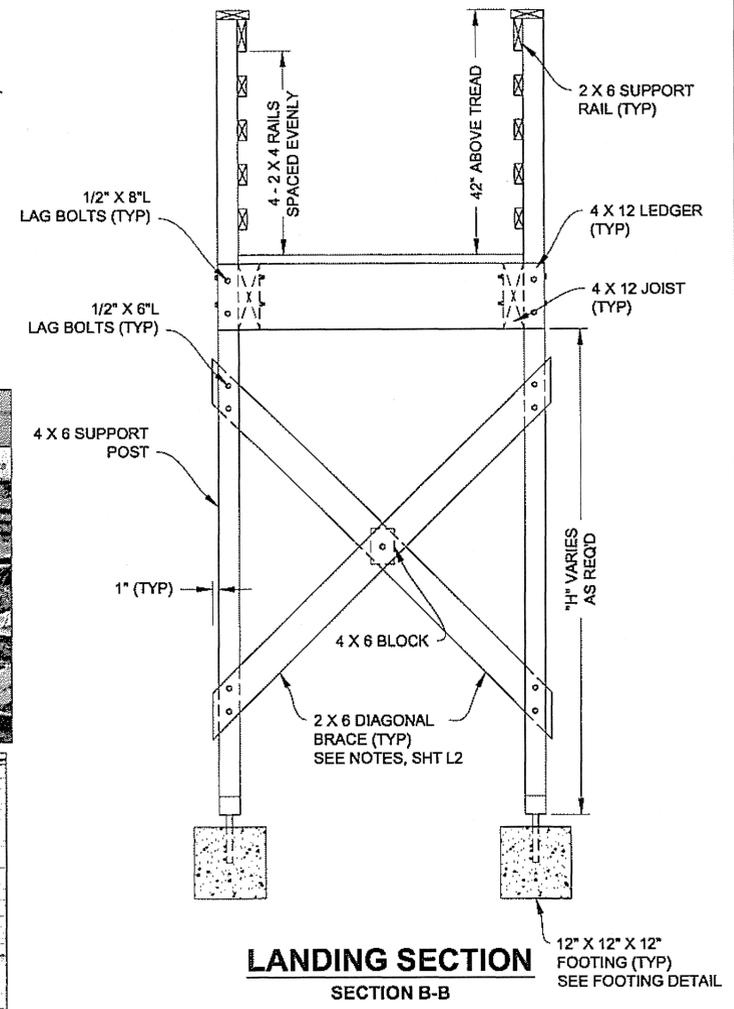
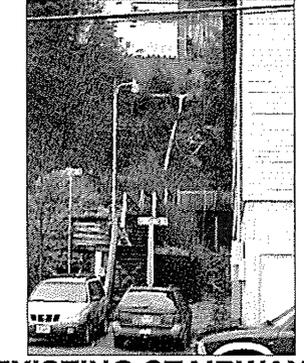
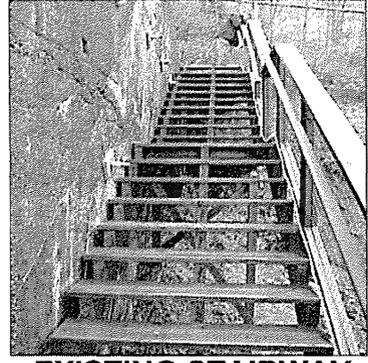
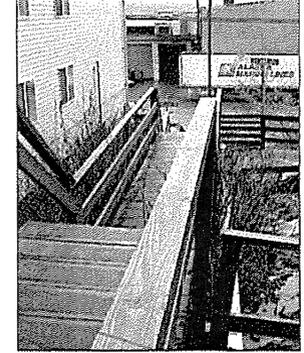
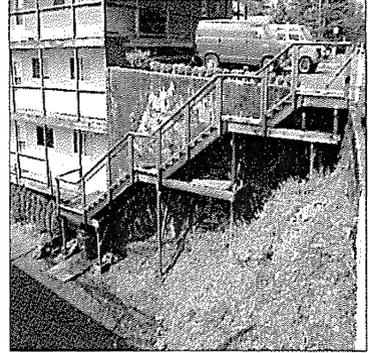
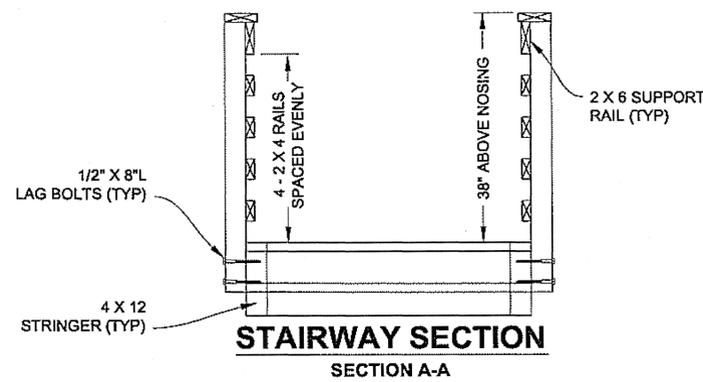
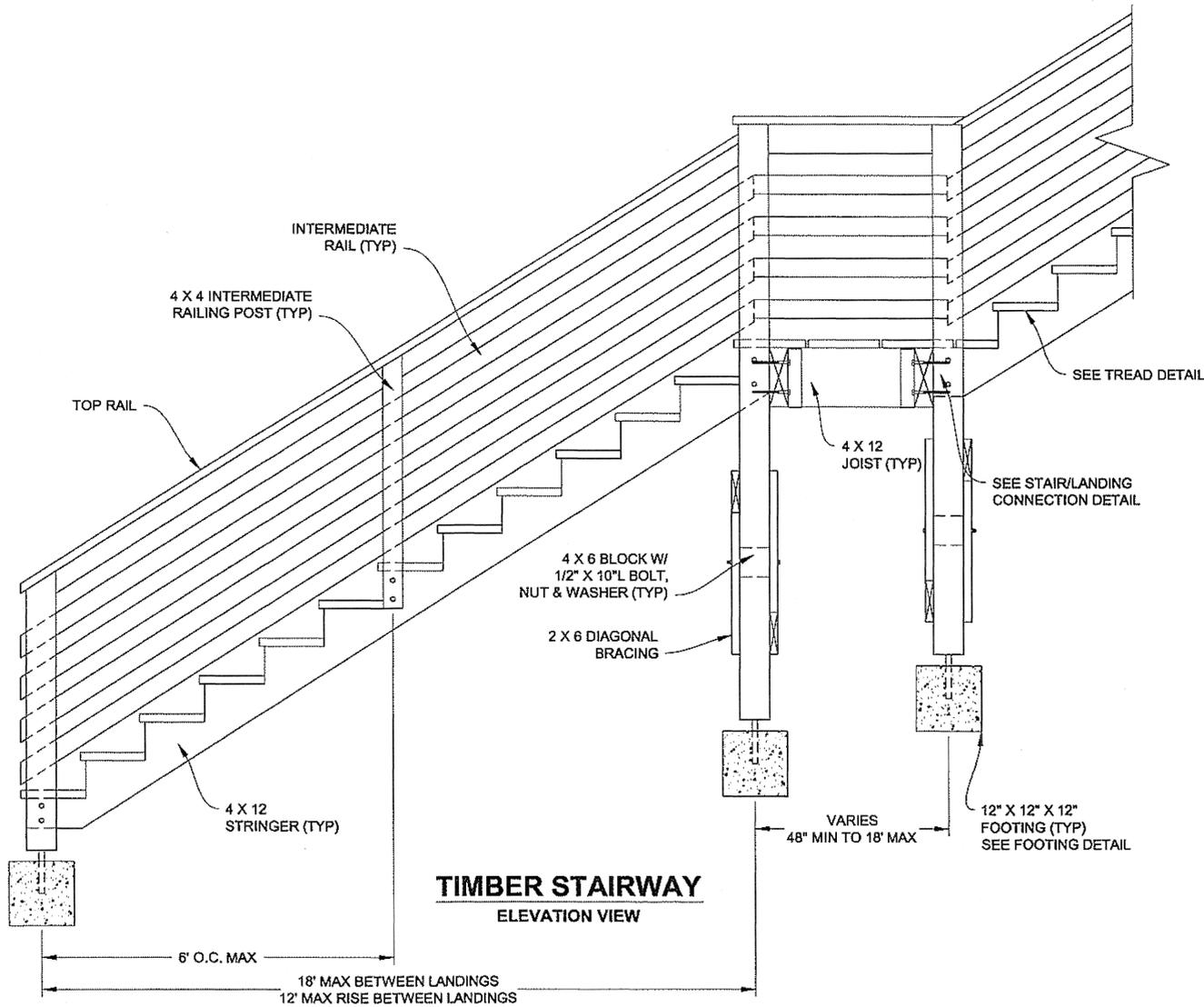


CONNECTION DETAIL
16" HDPE TO 30" CPP
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Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
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- HDPE TO CPP TRANSITION NOTES:**
- ALL HARDWARE TO BE HOT-DIPPED GALVANIZED AFTER FABRICATION PER ASTM A123 AND A153.

CHECKED BY: K. Miller 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION TREMONT DRAINAGE IMPROVEMENTS PROJECT NO. 68905																		
DESIGNED BY: D. Lowell DRAWN BY: D. Lowell PATH: Q:\KTN\68905\PLANS\SET3\11-09\68905_J1-5_DRAINAGE_DETAILS.DWG TAB: JS Tuesday, February 17, 2009 2:40:30 PM BWBENNETT		DRAINAGE DETAILS																		
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STP-MG-0904(2)	2009	J5	20																	



Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE: *[Signature]* Date: 4-15-11

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DESIGNED BY: D. Lowell

DRAWN BY: D. Lowell

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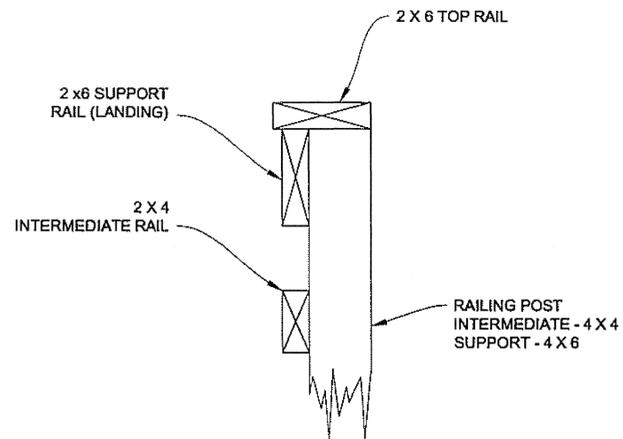
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STATE OF ALASKA
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 SOUTHEAST REGION

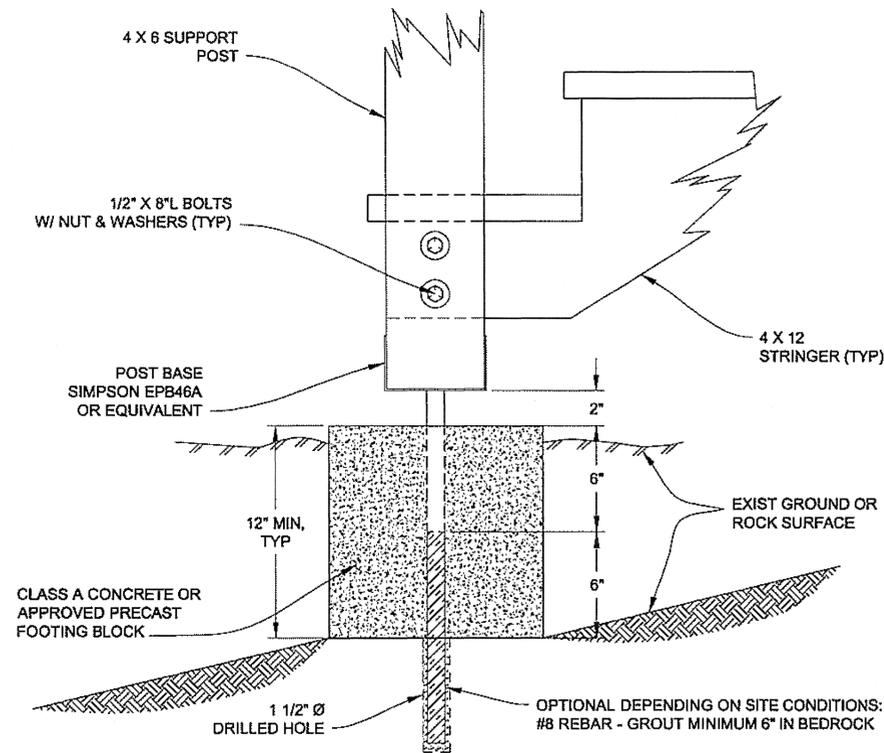
TREMONT DRAINAGE IMPROVEMENTS
 PROJECT NO. 68905

TIMBER STAIRWAY DETAILS

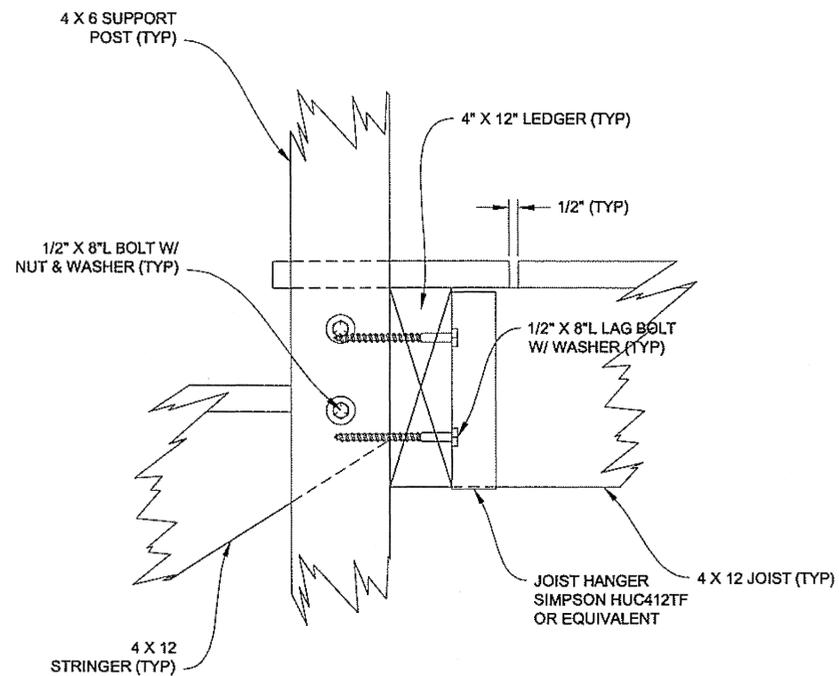
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NO.	DATE	DESCRIPTION	STP-MG-0904(2)	2009	L1	20



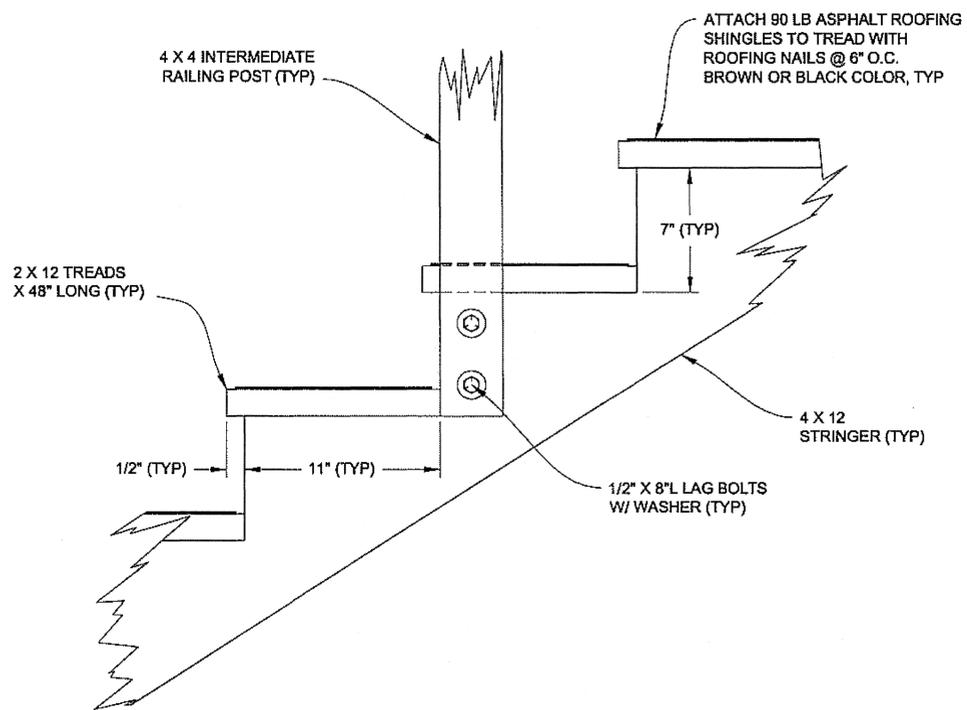
HANDRAIL DETAIL



FOOTING DETAIL



STAIR/LANDING CONNECTION DETAIL



TREAD DETAIL

TIMBER STAIRWAY NOTES:

1. ALL TIMBER WORK AND NEW MATERIALS FOR REPLACEMENT OR RECONSTRUCTION OF STAIRWAYS ARE NOT NOTED ON THE PLANS. REFERENCE SPECIFICATIONS, SECTION 506 FOR MATERIAL AND WORK REQUIREMENTS NOT SHOWN OR OTHERWISE NOTED.
2. REMOVE AND REPLACE EXISTING STAIRWAYS ONLY AS REQUIRED TO FACILITATE INSTALLATION OF NEW STORM DRAIN PIPE AND RELATED WORK. AS-BUILT EXISTING STAIRWAY MATERIALS AND DIMENSIONS PRIOR TO DEMOLITION AND REMOVAL. PRESERVE AND MAINTAIN EXISTING PORTIONS OF STAIRWAY STRUCTURES THAT MAY REMAIN.
3. SUPPORT AND MAINTAIN EXISTING SEWER UTILITY PIPES THAT ARE AFFIXED TO EXISTING STAIRWAYS DURING CONSTRUCTION. RE-ATTACH UTILITY PIPES TO THE NEW STAIRWAY AS MAY BE REQUIRED.
4. TIMBER MATERIALS SHALL BE DOUGLAS FIR, NO. 1 GRADE OR BETTER PER WCLIB/WWPA GRADING RULES.
5. ALL TIMBER MATERIALS SHALL BE PRESSURE TREATED. POSTS, STRINGERS, DECKING AND STAIR TREADS SHALL BE TREATED WITH ACZA OR ACQ TO 0.60 PCF NET RETENTION. HANDRAILS SHALL BE TREATED WITH ACZA OR ACQ TO 0.40 PCF NET RETENTION. TREAT ALL FIELD CUTS AND DRILLED HOLES WITH 5% COPPER NAPHTHENATE SOLUTION.
6. ALL METAL FABRICATIONS AND HARDWARE SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 OR A153.
7. INSTALL MALLEABLE IRON OR PLATE WASHERS UNDER THE HEADS AND NUTS OF ALL LAG SCREWS OR HEX BOLTS. PLACE THREADED PORTION OF BOLTS TOWARDS INTERIOR SIDES OF POSTS AND STRINGERS.
8. WHERE "H" EXCEEDS 8-FEET, USE TWO PANELS OF CROSS BRACING.
9. *Co#5 Remove/Replace Entire Boardwalk*

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE *[Signature]* Date 4-15-11

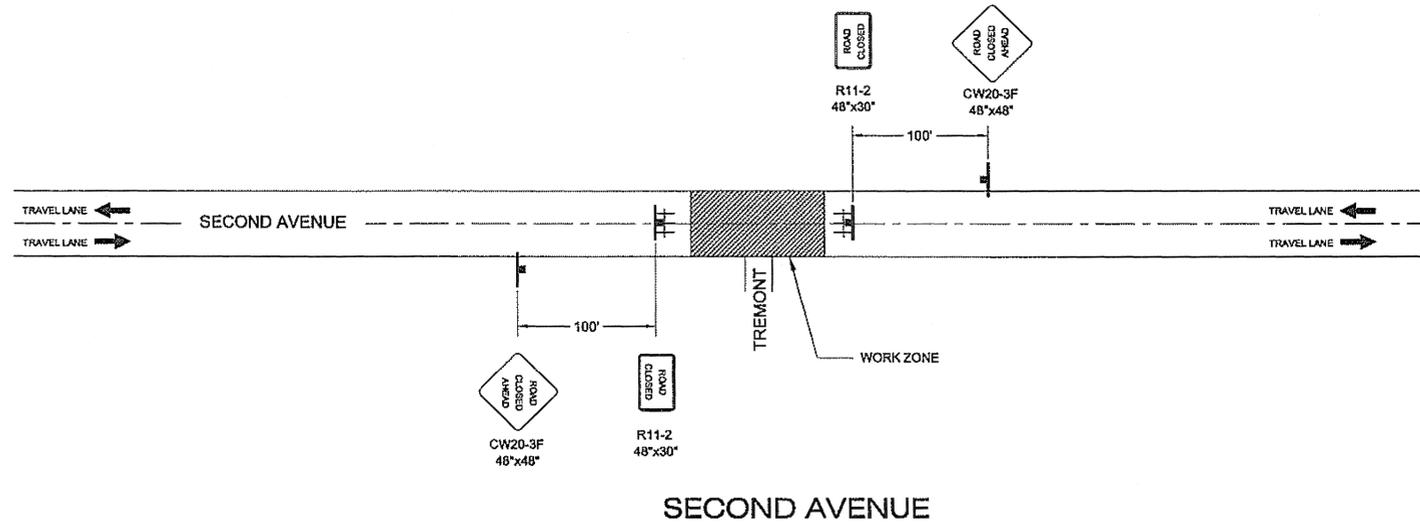
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. Miller 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION TREMONT DRAINAGE IMPROVEMENTS PROJECT NO. 68905	
DESIGNED BY: D. Lowell DRAWN BY: D. Lowell		TIMBER STAIRWAY DETAILS	
PATH: Q:\KTN\68905\PLANSET\PLANSET3 11-08\68905_L1-2_STAIRWAY_DETAILS.DWG TAB: L2 Tuesday, February 17, 2009 2:43:58 PM BWBENNETT			
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION STP-MG-0904(2)	YEAR 2009
		SHEET NO. L2	TOTAL SHEETS 20

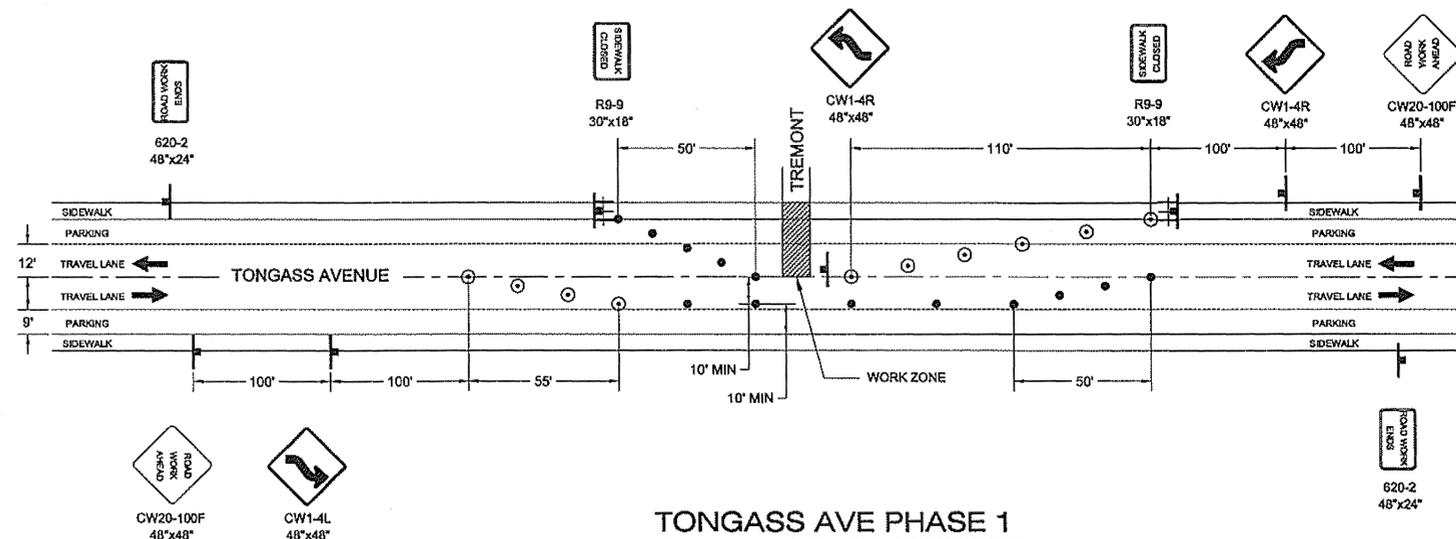
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

GENERAL TRAFFIC CONTROL NOTES

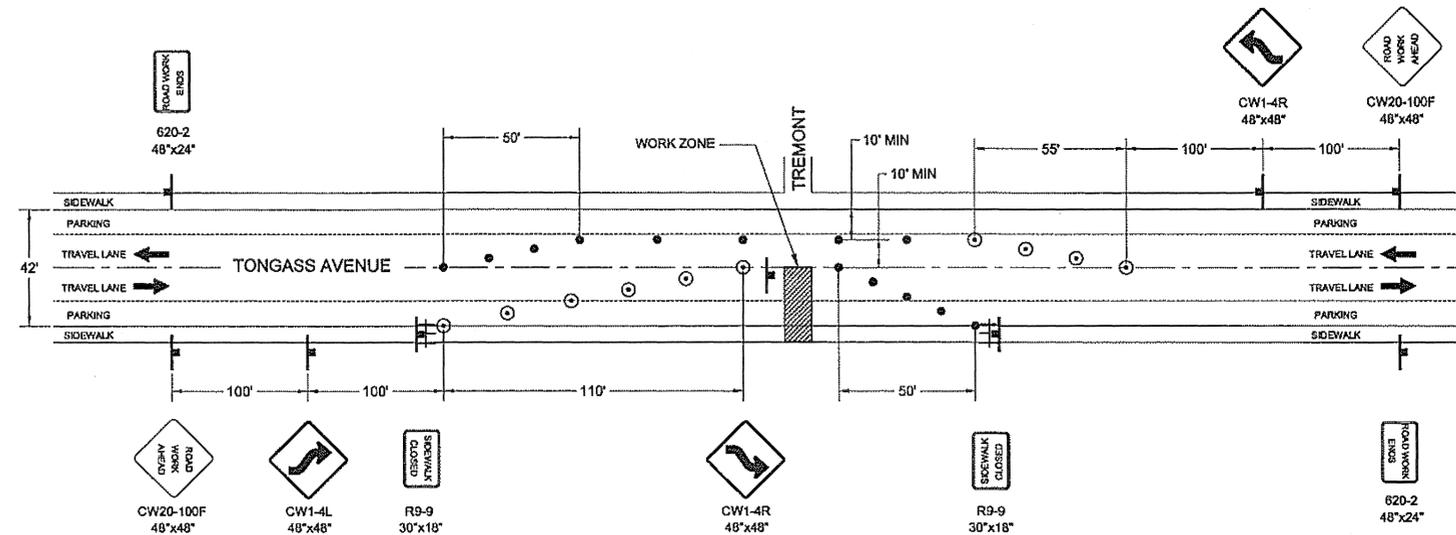
- IT IS THE INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) TO ILLUSTRATE SOME BUT NOT ALL OF THE TRAFFIC CONTROL CONFIGURATIONS THAT WILL BE REQUIRED BY THIS PROJECT. TRAFFIC CONTROL PLANS FOR CONFIGURATIONS NOT COVERED BY THIS TCP SHALL BE DEVELOPED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO USE.
- ALL TRAFFIC CONTROL PLANS SUBMITTED BY THE CONTRACTOR SHALL BE NUMBERED. ALL TRAFFIC CONTROL PLANS THAT USE A TYPICAL APPLICATION AS DESCRIBED IN THE MUTCD SHALL REFERENCE THE TYPICAL APPLICATION. EXAMPLE: TCP 3, MUTCD TA-10.
- PARKING ON TONGASS AVENUE SHALL BE REMOVED 40' IN ADVANCE OF THE ROAD WORK AHEAD SIGNS. THERE SHALL BE NO PARKING IN THE WORK ZONE. ADVANCE NOTICE OF PARKING REMOVAL SHALL BE POSTED A MINIMUM 72 HOURS IN ADVANCE.
- ORANGE CONSTRUCTION SIGNS SHALL USE TYPE VIII OR IX FLOURESCENT SHEETING AS DETAILED IN SECTION 615-2.01.
- TRAFFIC LANES SHALL BE A MINIMUM OF 10' WIDE.
- TWO LANES OF TRAFFIC SHALL BE MAINTAINED ON TONGASS AVENUE AT ALL TIMES. TONGASS AVENUE HAS AN AVERAGE ANNUAL DAILY TRAFFIC VOLUME OF 17,000 VEHICLES PER DAY.
- WHEN CLOSING A SIDEWALK, USE "SIDEWALK CLOSED AHEAD CROSS HERE ->" (R9-11, 36"x24") SIGNS AT CROSSWALKS NEAR 1ST STREET AND 1630 TONGASS AVENUE. PLACE SIGNS ON TYPE II BARRICADES ON THE SIDE OF THE SIDEWALK THAT IS TO BE CLOSED. PLACE SIGNS ON THE OTHER SIDE OF THE SIDEWALK WHEN SHIFTING TO TONGASS AVENUE PHASE 2.



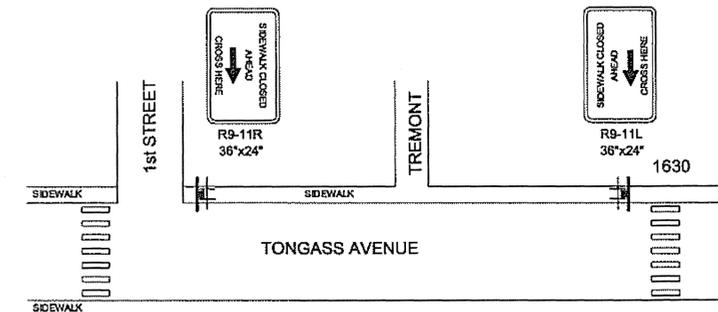
SECOND AVENUE



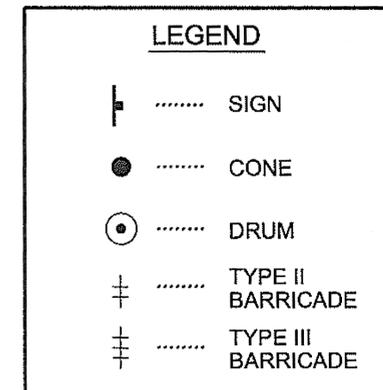
TONGASS AVE PHASE 1



TONGASS AVE PHASE 2



ADVANCE CROSSWALK DETAIL



MAXIMUM CONE OR DRUM SPACING:
50' ON A TANGENT
25' ON A TAPER
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE *[Signature]* Date 4-15-11

CHECKED BY: K. Miller



DESIGNED BY: D. Lowell

DRAWN BY: D. Lowell

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

TREMONT DRAINAGE
IMPROVEMENTS
PROJECT NO. 68905

TRAFFIC CONTROL PLAN

PROJECT DESIGNATION
STP-MG-0904(02)

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
S1	20

No.	DATE	DESCRIPTION

EROSION AND SEDIMENT CONTROL PLAN

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE *[Signature]* Date 4-15-11

CHECKED BY: K. Miller



DESIGNED BY: D. Lowell

DRAWN BY: D. Lowell

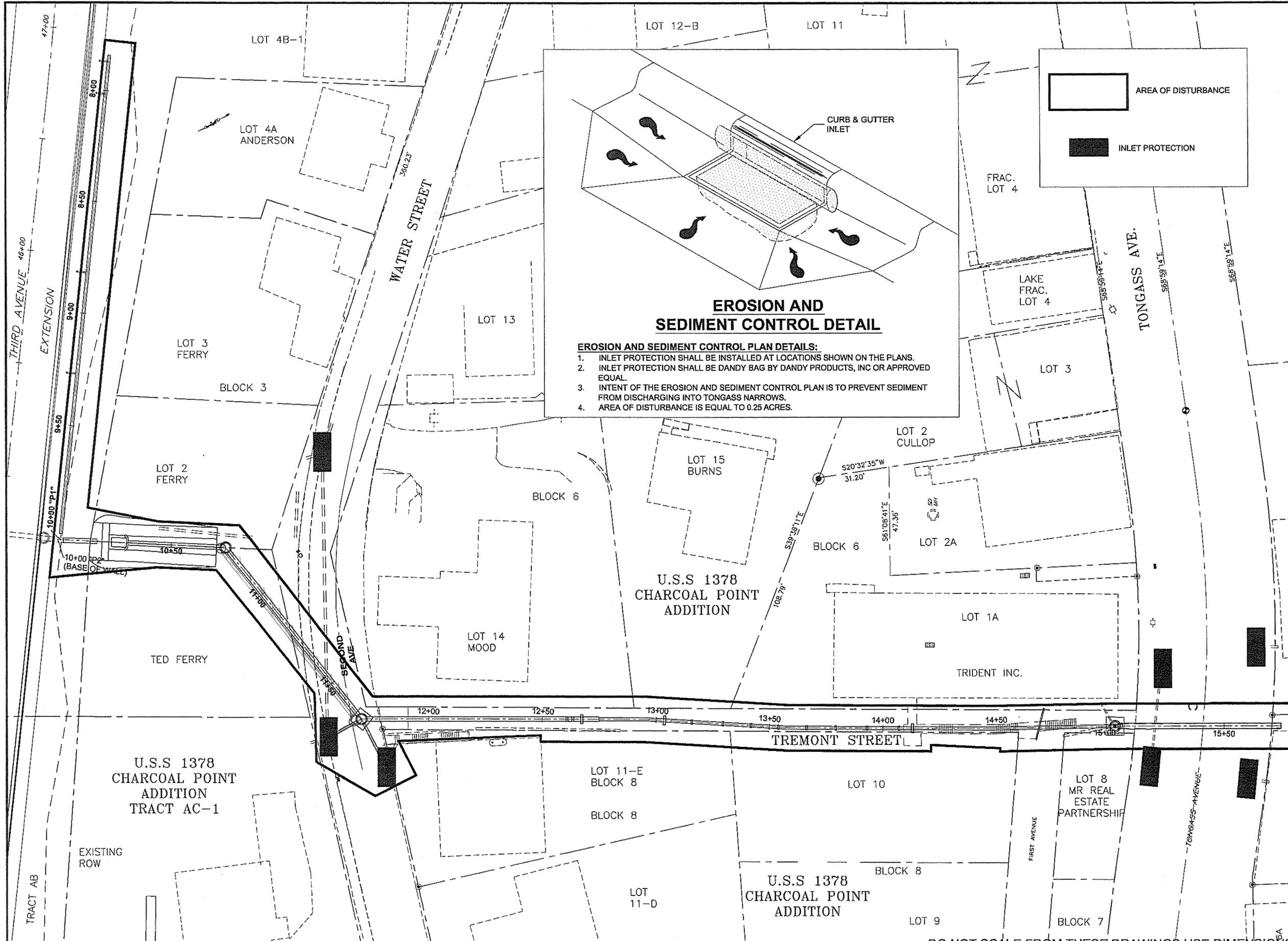
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION
TREMONT DRAINAGE IMPROVEMENTS PROJECT NO. 68905

ESCP PLAN

PROJECT DESIGNATION
STP-MG-0904(02)

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
T1	20



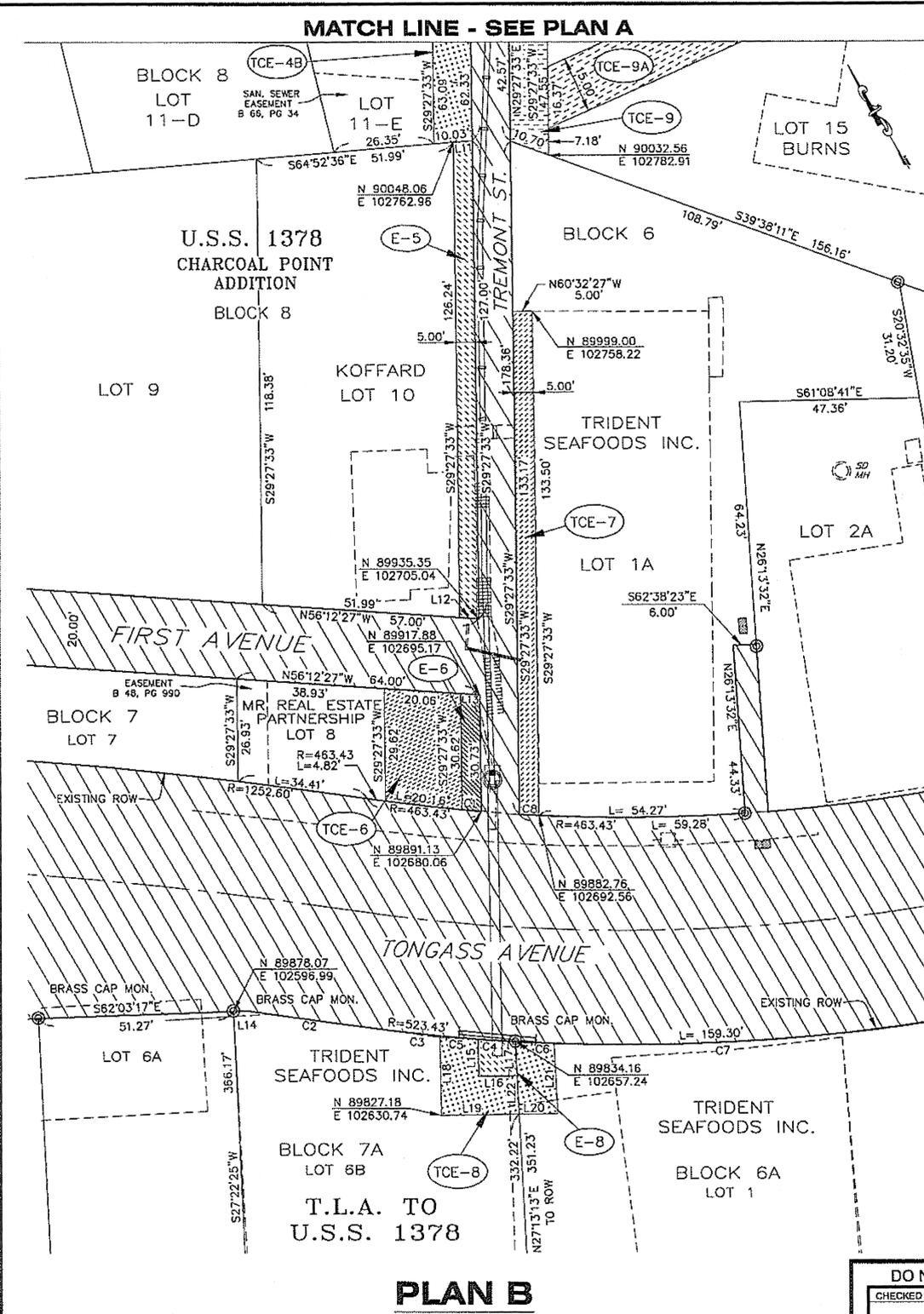
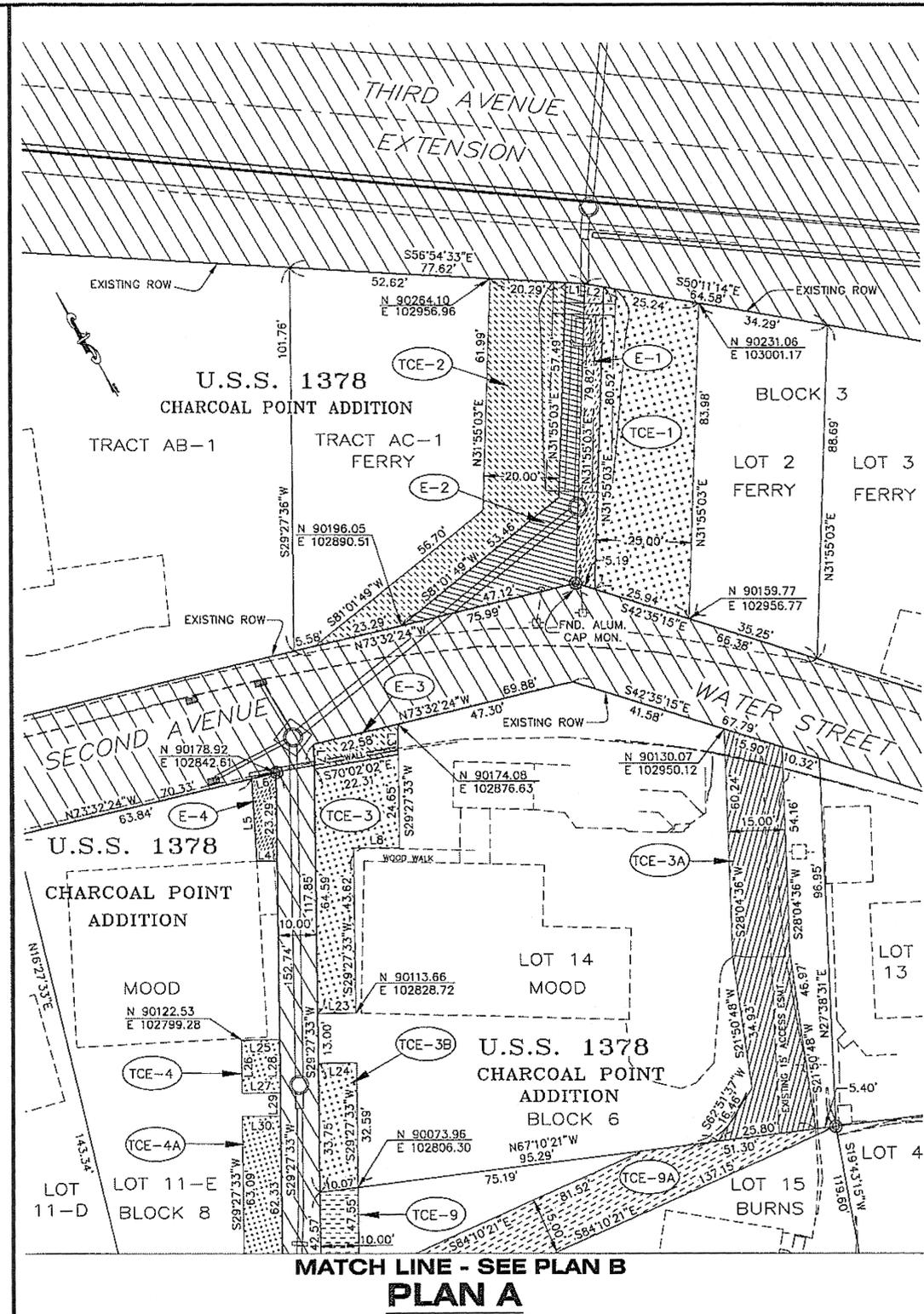
EROSION AND SEDIMENT CONTROL DETAIL

EROSION AND SEDIMENT CONTROL PLAN DETAILS:

1. INLET PROTECTION SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE PLANS.
2. INLET PROTECTION SHALL BE DANDY BAG BY DANDY PRODUCTS, INC OR APPROVED EQUAL.
3. INTENT OF THE EROSION AND SEDIMENT CONTROL PLAN IS TO PREVENT SEDIMENT FROM DISCHARGING INTO TONGASS NARROWS.
4. AREA OF DISTURBANCE IS EQUAL TO 0.25 ACRES.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

C:\Kin\68905\Plans\PlanSet\PlanSet3 11-08\68905_W1_ROW2.dwg Tue, 17/Feb/09 02:47PM



LINE TABLE		
LINE	BEARING	LENGTH
L1	S56°54'33"E	4.72'
L2	N50°11'19"W	5.05'
L3	S29°27'33"W	7.90'
L4	S60°32'27"E	5.27'
L5	N26°42'09"E	21.85'
L6	N73°32'24"W	6.49'
L7	S29°27'33"W	6.50'
L8	S60°32'27"E	12.00'
L9	S60°32'27"E	10.00'
L11	S64°52'36"E	5.01'
L12	N56°12'27"W	5.01'
L13	N56°12'27"W	5.01'
L14	S62°03'17"E	3.76'
L15	N29°07'40"E	9.79'
L16	S60°52'20"E	10.05'
L17	N27°13'13"E	9.00'
L18	S29°07'40"W	20.79'
L19	S60°52'20"E	20.38'
L20	S60°52'20"E	10.01'
L21	N27°13'13"E	18.38'
L22	N27°13'13"E	10.01'
L23	N60°32'27"W	10.00'
L24	N60°32'27"W	10.00'
L25	S60°32'27"E	10.00'
L26	S29°27'33"W	14.00'
L27	S60°32'27"E	10.00'
L28	S29°27'33"W	14.00'
L29	S29°27'33"W	6.00'
L30	S60°32'27"E	10.00'

CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	CHORD BEARING	CHORD LENGTH
C1	5.02'	463.43'	0°37'16"	S54°56'54"E	5.02'
C2	23.26'	1192.60'	1°07'04"	N52°06'33"W	23.26'
C3	27.77'	523.43'	3°02'21"	S53°04'12"E	27.78'
C4	9.78'	523.43'	1°04'15"	S56°13'30"E	9.78'
C5	10.05'	523.43'	1°06'01"	S55°08'22"E	10.05'
C6	10.05'	523.43'	1°05'59"	S57°18'37"E	10.05'
C7	101.65'	523.43'	11°07'37"	S63°25'25"E	101.49'
C8	5.01'	463.43'	0°37'10"	S56°48'53"E	5.01'

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 Date 4-15-11

EASEMENT	OWNER	AREA	PURPOSE	RECORDING DATA
E-1	TOM, CHERRY & RAMONA FERRY	401 S.F.	DRAINAGE	
E-2	THEODORE & PATRICIA FERRY	884 S.F.	DRAINAGE	
E-3	GLEN & NANCY MOOD	158 S.F.	RETAINING WALL	
E-4	GLEN & NANCY MOOD	131 S.F.	SLOPES, RETAINING WALL	
E-5	ED KOFFARD	633 S.F.	DRAINAGE	
E-6	MR. REAL ESTATE PARTNERSHIP	153 S.F.	DRAINAGE	
E-8	TRIDENT SEAFOODS	93 S.F.	DRAINAGE	

TEMPORARY CONSTRUCTION EASEMENT			
TCE NO.	OWNER	AREA	PURPOSE
TCE-1	TOM, CHERRY & RAMONA FERRY	2056 S.F.	CONSTRUCTION ACCESS
TCE-2	THEODORE & PATRICIA FERRY	1745 S.F.	CONSTRUCTION ACCESS
TCE-3	GLEN & NANCY MOOD	938 S.F.	CONSTRUCTION ACCESS
TCE-3A	GLEN & NANCY MOOD	1635 S.F.	CONSTRUCTION ACCESS
TCE-3B	GLEN & NANCY MOOD	332 S.F.	CONSTRUCTION ACCESS
TCE-4	GLEN & NANCY MOOD	140 S.F.	CONSTRUCTION ACCESS
TCE-4A	GLEN & NANCY MOOD	627 S.F.	CONSTRUCTION ACCESS
TCE-6	MR. REAL ESTATE PARTNERSHIP	604 S.F.	CONSTRUCTION ACCESS
TCE-7	TRIDENT SEAFOODS	667 S.F.	CONSTRUCTION ACCESS
TCE-8	TRIDENT SEAFOODS	491 S.F.	CONSTRUCTION ACCESS
TCE-9	JAMES & JEAN BURNS	451 S.F.	CONSTRUCTION ACCESS
TCE-9A	JAMES & JEAN BURNS	1640 S.F.	CONSTRUCTION ACCESS

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. Miller		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
DESIGNED BY: D. Lowell		TREMONT DRAINAGE IMPROVEMENTS PROJECT NO. 68905	
DRAWN BY: D. Lowell		RIGHT OF WAY PLAN	
PATH: Q:\KIN\68905\PLANSET\PLANSET3 11-08\68905_W1_ROW2.DWG			
TAB: W1		Tuesday, February 17, 2009 2:47:02 PM	
REVISIONS		PROJECT DESIGNATION	
NO.	DATE	DESCRIPTION	YEAR
		STP-MG-0904(2)	
		YEAR	
		SHEET NO.	
		TOTAL SHEETS	
		20	