

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
UTILITY PERMIT
(MAJOR)

Permit No.
3-296011-10-16

Page No. 1 of 16

Approval

Recommended: Shannon M. Kelly

Date: March 17, 2010

Title: Regional Permit Officer

Region: Southeast

THE STATE OF ALASKA, acting by and through the DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES, hereinafter called the DEPARTMENT, under provisions of AS 19.25.010 19.25.020, grants a Utility Permit to **City and Borough of Juneau of 155 South Seward, Juneau, AK 99801** hereinafter called the PERMITTEE, permission to construct, install and thereafter perform routine maintenance, use and operate the **water valves and associated water fittings and pipe**, hereinafter called the FACILITY, located as follows: **State Route 296011, Thane Road Route Mileage 0.634** across, along or under property of the DEPARTMENT, acquired and utilized in the operation and maintenance of a State Transportation System, at the aforementioned locations and/or positions and in strict conformance with plans, specifications and special provisions attached hereto and made a part hereof, and not otherwise.

A. In accepting this Utility Permit for the Facility, the PERMITTEE agrees to comply with the provisions of AS 02.15.102, AS 02.15.106, AS 19.25.010, AS 19.25.200, AS 35.10.210, and AS 35.10.230; the terms, requirements and regulations as set forth in 17 AAC 15 as authorized under Administrative Procedures Act, AS 44.62.010 - 44.62.650 and the applicable policies, directives and orders issued by the Commissioner of the Department.

B. The entire cost of routine maintenance operations of the FACILITY are to be paid for by the PERMITTEE, and said FACILITY shall comply with all applicable codes.

C. The PERMITTEE's construction, installation and maintenance operations of the FACILITY shall be accomplished with minimum interference and interruption of the use, operation and maintenance of the DEPARTMENT's right of way and/or public facility; or as hereinafter provided in the DEPARTMENT's Special Provisions, attached hereto and made a part hereof, and shall at all times in no way endanger the general public in its use of the public property. Utility Permits expire if construction or installation of the facility has not started within one year after the date of approval, unless the applicant obtains an extension of time in writing from the department. 17AAC15.011(d)

D. The DEPARTMENT, in granting the Utility Permit, reserves the right to use, occupy and enjoy its property for a public transportation system and for public transportation purposes in such a manner and at such times as it deems necessary, the same as if this instrument had not been executed by the DEPARTMENT. If any such use by the DEPARTMENT shall at any time necessitate any change in location or manner of use of said FACILITY, or any part thereof, such change or alteration shall be made by the PERMITTEE according to the terms of one of the two clauses set out below as identified by a check mark before the applicable clause.

 X (1) The PERMITTEE will be reimbursed in full by the DEPARTMENT for all costs incurred in making such changes or alterations to the FACILITY that qualified under the provisions of AS 02.15.104(c), AS 19.25.020(c), or AS 35.10.220(c).

 (2) The PERMITTEE shall promptly remove or relocate said FACILITY at no cost to the DEPARTMENT in accordance with the provisions of AS 02.15.104(c) (4) or (5), AS 19.25.020(c) (4) or (5), AS 35.10.220(c) (4) or (5).

E. On public property being utilized for right of way on highways originally established as, or converted to, controlled access highways, ingress and egress thereto for maintenance and operation of the FACILITY is limited to the locations as designated by the DEPARTMENT. However, the DEPARTMENT may allow the PERMITTEE ingress and egress whenever such is necessary to effect repairs and maintenance of the FACILITY and when no other access is available. If the DEPARTMENT determines such access is in conflict with the use of the controlled access highway, the FACILITY will be relocated.

F. The State of Alaska and the DEPARTMENT for the purpose of this Utility Permit, hereby disclaim any representation of implication to the PERMITTEE that the DEPARTMENT has any title in any property other than the interest conveyed to the DEPARTMENT for specific purposes as described by the instrument conveying the land to the DEPARTMENT.

G. The PERMITTEE by these presents accepts notice and agrees that any expenses or damages incurred by the PERMITTEE through the abandonment, removal, reconstruction or alteration of any public facility, or incurred by said PERMITTEE as a result of this disclaimer shall be borne by said PERMITTEE at no expense whatsoever to the DEPARTMENT or the State of Alaska.

H. The waiver or breach of any terms or conditions of this Utility Permit or Provisions of the Administrative Code, by the DEPARTMENT shall be limited to the act or acts constituting such breach, and shall never be construed as being continuing or a permanent waiver of any such term or condition, unless expressly agreed to in writing by the parties hereto, all of which shall remain in full force and affect as to future acts or happenings, notwithstanding any such individual waiver or any breach thereof.

I. Only the Commissioner of the DEPARTMENT or his delegate shall have the authority to waive any term or condition herein contained.

J. The PERMITTEE shall not assign or transfer any of the rights authorized by this Utility Permit except upon notification to and approval by the DEPARTMENT.

K. The PERMITTEE agrees to comply with all regulations concerning present and future use of the public property acquired, or reimbursed by Federal-Aid funds.

L. The PERMITTEE shall give the DEPARTMENT not less than ten (10) days prior written notice, unless otherwise agreed to by the parties hereto, of the PERMITTEE's intention to enter upon the DEPARTMENT's property for the purpose of major maintenance, reconstruction, altering or removal of the FACILITY, provided, however, that normal routine maintenance is excepted from this provision, and provided further, that in any instance of sudden emergency requiring prompt and immediate action to protect the public safety, or to mitigate damage to private or public property, no prior notification to the DEPARTMENT will be required. The PERMITTEE shall notify the DEPARTMENT and the Alaska State Troopers, of the location of the emergency and extent of work required by the most expeditious means of communication as soon as reasonably possible to do so, and the PERMITTEE shall take such measures as are required to protect the health and safety of the traveling public or public facility users for the duration of such emergency operations.

M. The PERMITTEE shall indemnify and hold harmless the State of Alaska and the DEPARTMENT, or either of them, from all liability for damage to property, or injury to or death of persons, arising wholly or in part from any action taken by the PERMITTEE in relation to the PERMITTEE's FACILITIES on DEPARTMENT rights of way or other permitted locations.

N. The PERMITTEE is subject to all previous Easements and Utility Permits and any damage to any other utility will be the PERMITTEE's responsibility.

O. The PERMITTEE agrees to be responsible for the compliance with all applicable Federal, State, and local laws, regulations, codes and ordinances.

P. The PERMITTEE agrees to be responsible for obtaining all other appropriate permits or letters of non-objection needed from Federal, State and local agencies, or conflicting lessees, property owners or utilities.

Q. The PERMITTEE may be required, within thirty (30) days after completion of any improvement placed upon or in the premises herein, deliver to the DEPARTMENT as-built drawings showing the location and construction specifications of said improvement.

R. This Utility Permit is issued under the provisions of applicable Alaska Statutes and Administrative Code, effective as of the date of execution of this instrument by the DEPARTMENT.

S. The PERMITTEE agrees that the FACILITY will be constructed in accordance with the attached:

1. Plans dated 3/15/2010 consisting of South Franklin Water Line Improvements
2. Specifications consisting of
3. Other *See Below.

which, by this reference, are made a part hereof, and in accordance with the applicable codes pertaining to the FACILITY, and not otherwise, unless prior written authorization is obtained from the DEPARTMENT to do so.

T. The PERMITTEE agrees to reimburse the DEPARTMENT for actual costs of inspection and testing as required during the performance of work proposed by the PERMITTEE. The scope of inspection and testing shall be determined by the Regional Utilities Engineer. The costs billed to the PERMITTEE will be the actual DEPARTMENT's costs incurred while performing the inspection and testing.

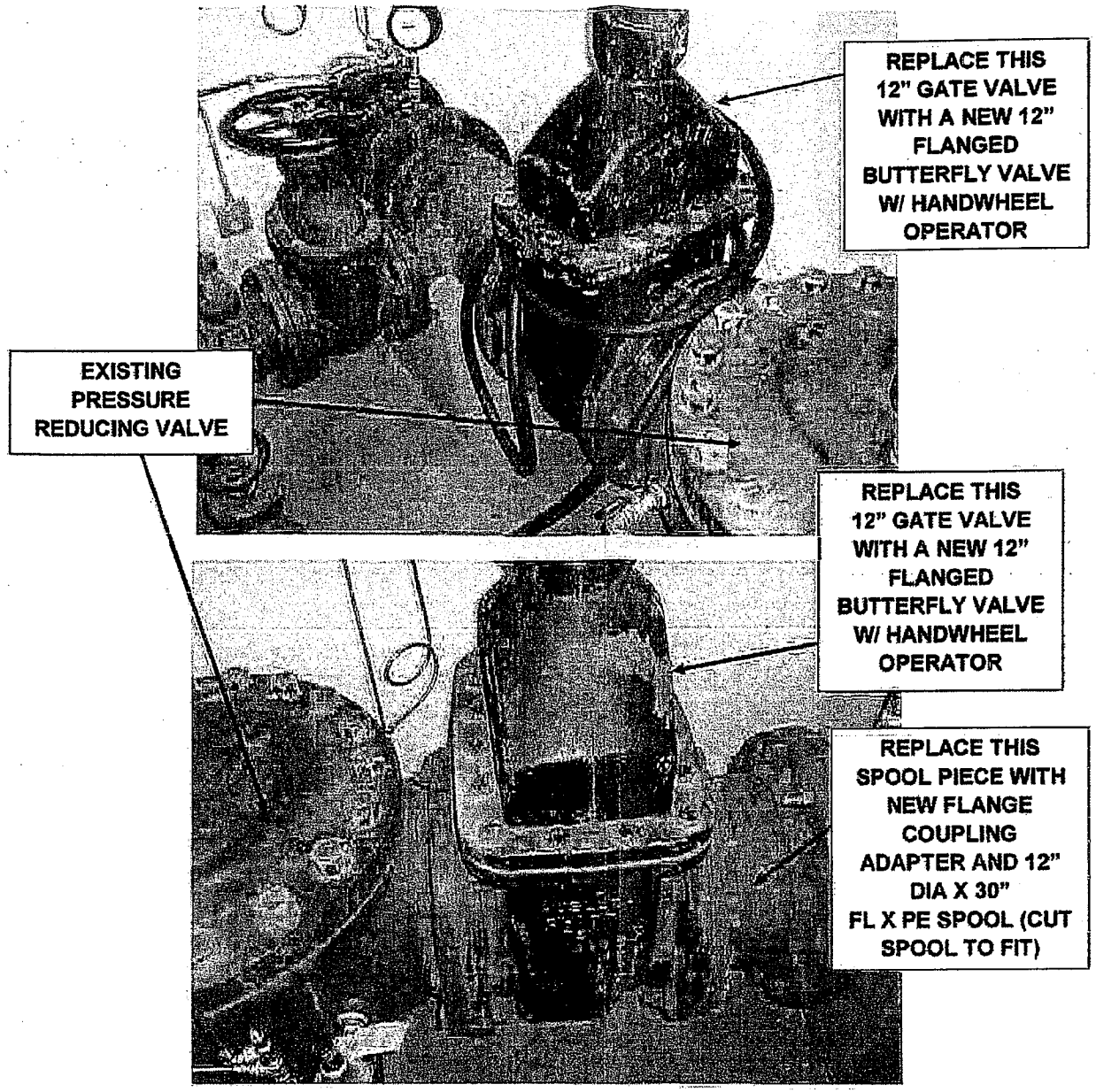
U. The PERMITTEE agrees by entering on the DEPARTMENT's property to indemnify the DEPARTMENT and its contractors of all costs tangible or intangible that would be the result of any delay in a construction project of the DEPARTMENT caused by work done under this permit.

V. The PERMITTEE agrees to reimburse the DEPARTMENT for the length of the facility to be installed in excess of 200 feet (as indicated on the attached plans referenced to in paragraph "S" above) which is calculated to be linear feet at \$1.00 per foot = 0 (but not to exceed \$10,000) payable at the time the permit is executed by the DEPARTMENT unless arrangements have been made for the PERMITTEE to be billed on a monthly basis.

Added Special Conditions:

PIPE CARRIERSTRANSMITTANT: Water FLASH POINT: N/AWORKING PRESSURE: 95 PSI TEMPERATURE: 40 degreesNUMBER OF CONDUITS (PIPES): 1DIAMETER OF PIPE: 12 diameterTYPE AND CLASS OF PIPE: Ductile Iron Class 50ENCASEMENT DIAMETER AND TYPE: NoneVENT LOCATIONS: None LEFT _____ RIGHT OF HIGHWAY
CENTERLINECATHODIC PROTECTION: NoneCROSSING ANGLE: N/A LENGTH: 10' - 15'DEPTH BELOW ROAD SURFACE: (MIN. 48") 60" depth of buryDEPTH BELOW DITCH BOTTOM: (MIN 36") N/AMETHOD OF CROSSING INSTALLATION: BORING: _____ JACKING: _____ OPEN CUT: XLONGITUDINAL FACILITY LENGTH: N/AOFFSET FROM HIGHWAY CENTERLINE: N/A DEPTH OF BURY (MIN 36") _____METHOD OF LONGITUDINAL INSTALLATION: TRENCHING: X PLOWING: _____CONSTRUCTION CODE(S) APPLICABLE: CBJ Standard SpecificationsADDITIONAL INFORMATION: Asphalt patch on South Franklin Street will be with 12" of D-1 and 6" of asphalt concrete.

1. THIS PROJECT INCLUDES THE FOLLOWING:
- a. REMOVE FIVE EXISTING VALVES IN SOUTH FRANKLIN STREET AND REPLACE WITH THREE NEW 12" DIAMETER WATER BUTTERFLY VALVES SUITABLE FOR BURIED INSTALLATIONS AND MEETING THE REQUIREMENTS OF AWWA C-504, WITH FITTINGS AND PIPING AS SHOWN, (INSTALL VALVES SIMILAR TO CBJ STANDARD DETAIL 407). REMOVE AND REPLACE ASPHALT CONCRETE PAVING AND D-1 SUBBASE AS SHOWN IN SOUTH FRANKLIN STREET SIMILAR TO CBJ STANDARD DETAIL 125. ALL FITTINGS AND VALVES SHALL BE RESTRAINED MECHANICAL JOINT.
 - b. REMOVE TWO 12" EXISTING GATE VALVES AND REPLACE WITH TWO 12" FLANGED BUTTERFLY VALVES W/ HANDWHEEL OPERATORS IN THE MILL TUNNEL PRESSURE REDUCING BUILDING ALONG WITH NEW GASKETS AND STAINLESS STEEL BOLTS AND A NEW FLANGE COUPLING ADAPTER WITH ANCHOR PINS (ROMAC FCA 501 OR APPROVED EQUAL) AND 12" X 30", FL X PE SPOOL PIECE (CUT TO SIZE).
 - c. CONNECT TO THE EXISTING 4" PVC MILL TUNNEL PRESSURE REDUCING BUILDING DRAIN WITH A 45 DEGREE BEND AND ROUTE APPROXIMATELY 60' TO A DRAINAGE SWALE SOUTH OF THE BUILDING. SLOPE AT 2% TO DAYLIGHT. REMOVE ALDERS AS NEEDED. DEPTH VARIES WITH A MAX DEPTH OF ABOUT 4'.
2. THE CITY AND BOROUGH OF JUNEAU, ENGINEERING DEPARTMENT STANDARD SPECIFICATIONS FOR CIVIL ENGINEERING PROJECTS AND SUBDIVISION IMPROVEMENTS DECEMBER 2003 EDITION, ALONG WITH ERRATA SHEETS, AND THE CURRENT CBJ STANDARD DETAILS AS PUBLISHED BY THE CITY AND BOROUGH OF JUNEAU, ARE PART OF THESE CONTRACT DOCUMENTS AND SHALL PERTAIN TO ALL PHASES OF THE CONTRACT.
3. ALL EXISTING FACILITIES SHALL BE PROTECTED AND MAINTAINED THROUGHOUT CONSTRUCTION. ANY IMPACT ON EXISTING FACILITIES SHALL BE REPAIRED TO PREEXISTING CONDITIONS. DIAL BEFORE YOU DIG 586-1333, TO LOCATE UNDERGROUND UTILITIES.
4. ALL WATER VALVES, FITTINGS AND PIPE FOR THIS PROJECT SHALL BE NSF 61 LISTED.
5. THE ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES UTILITY PERMIT IS PART OF THESE CONTRACT DOCUMENTS AND THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS CONTAINED IN THE PERMIT.
6. CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES FOR REVIEW AND APPROVAL BEFORE BEGINNING ANY FIELD WORK.
7. THE CONTRACTOR SHALL NOTIFY THE CBJ WATER DEPARTMENT AT LEAST 48 HOURS BEFORE BEGINNING ANY WORK ON THE PROJECT. THE CBJ WATER DEPARTMENT WILL CLOSE A VALVE BETWEEN MILL TUNNEL AND THE PROJECT AND THE VALVES ON EACH SIDE OF THE PROJECT ON SOUTH FRANKLIN STREET. CLOSURE OF THE VALVES DOES NOT GUARANTEE THE VALVES WILL CLOSE DRIP TIGHT.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING WATER SERVICE IS MAINTAINED THROUGHOUT THE PROJECT. WATER SERVICE MAY BE INTERRUPTED FOR A MAXIMUM OF 1 HOUR. IF NECESSARY, THE CONTRACTOR SHALL PROVIDE WATER SERVICE BY INSTALLING TEMPORARY WATER SERVICE BETWEEN FIRE HYDRANTS ON EACH SIDE OF THE PROJECT. THE VALVE ON THE THANE ROAD SIDE OF THE PROJECT WILL NEED TO BE INSTALLED IN ORDER FOR TEMPORARY SERVICE TO BE ESTABLISHED.
9. WATER VALVES, FITTINGS AND PIPE INSTALLED AS PART OF THIS PROJECT SHALL BE CLEAN AND SWABBED WITH A CLEAN RAG WITH A CHLORINE CONCENTRATION OF AT LEAST 50 PPM PRIOR TO INSTALLATION. THE NEW VALVES, FITTINGS AND PIPE SHALL BE CHECKED FOR LEAKS BEFORE BURYING. ANY LEAKS SHALL BE CORRECTED AND TESTED AGAIN BEFORE BURYING.

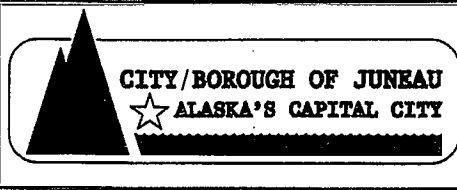


REPLACE TWO 12" GATE VALVES WITH 12" BUTTERFLY VALVES AND INSTALL A FLANGE COUPLING ADAPTER AND SPOOL PIECE IN THE EXISTING MILL TUNNEL PRESSURE REDUCING VALVE BUILDING

DIAL BEFORE YOU DIG !
586-1333
UNDERGROUND UTILITIES INCLUDING BUT NOT LIMITED TO WATER, SEWER, POWER, TELEPHONE, & CABLE T.V. SHOWN ON THIS DRAWING INDICATE EXISTENCE ONLY AND DO NOT SUBSTITUTE FOR FIELD LOCATES.

C:\2007\ch1\South Franklin Water Improvements.dwg PLOT: March 16, 2010 dt: 11:48am Administrator

				SCALE	GRAPHIC
				DESIGNED	JLD
				DRAWN	GDM
				CHECKED	JLD
REV	DATE	BY	DESCRIPTION	DATE	MARCH 2010



SOUTH FRANKLIN
WATER LINE IMPROVEMENTS
CONTRACT NO. RFQ E10-229

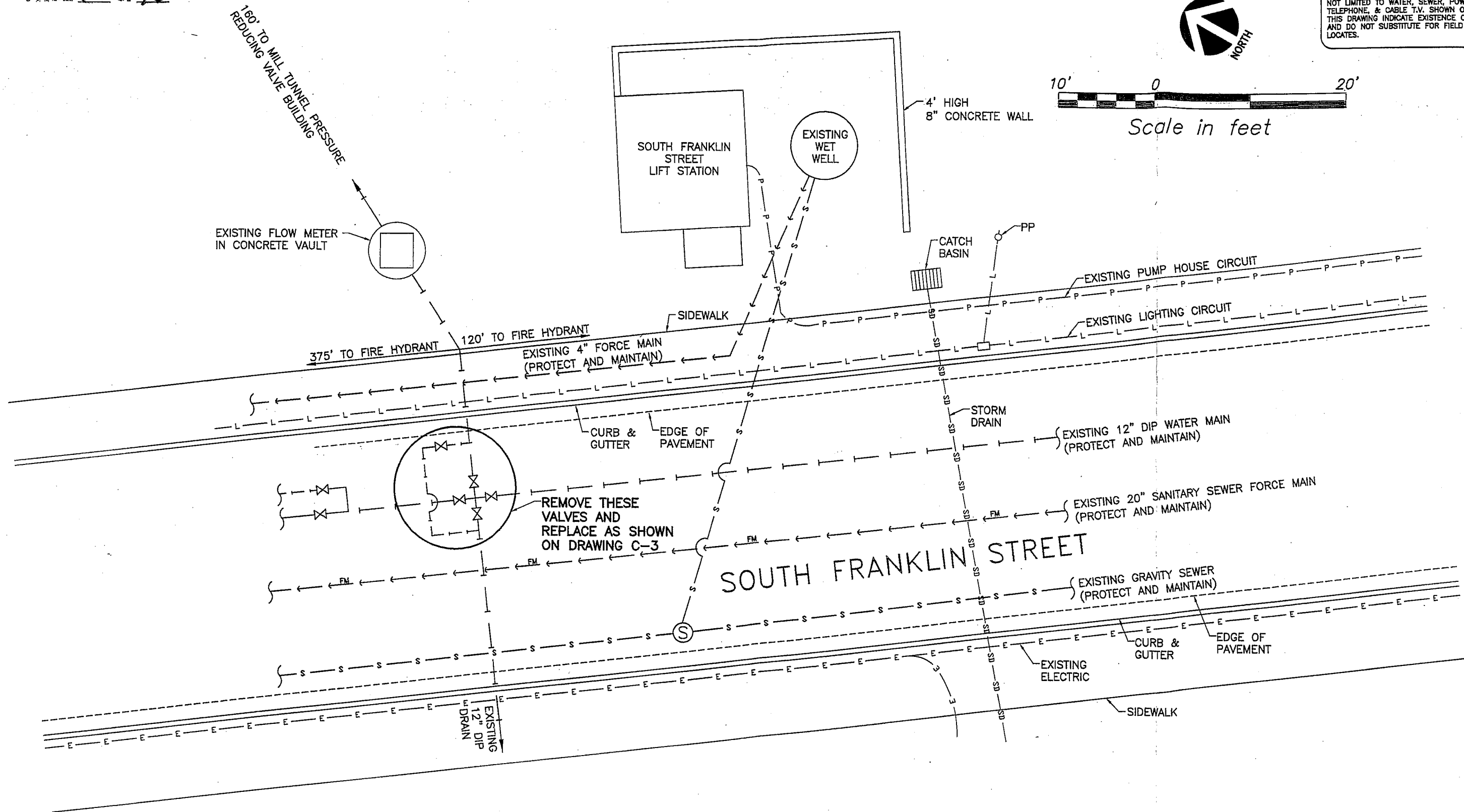
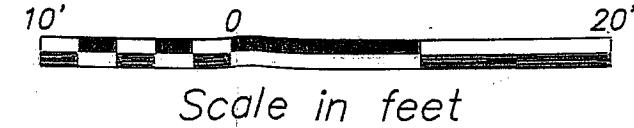


CD Carson Dorn Inc.
712 WEST 12TH STREET
JUNEAU, ALASKA 99801
(907) 586-4447

PROJECT DESCRIPTION

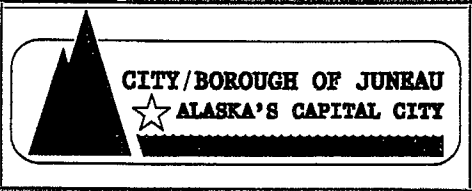
DRAWING
C-1
SHEET No.
1 of 3

DIAL BEFORE YOU DIG I
586-1333
UNDERGROUND UTILITIES INCLUDING BUT NOT LIMITED TO WATER, SEWER, POWER, TELEPHONE, & CABLE T.V. SHOWN ON THIS DRAWING INDICATE EXISTENCE ONLY AND DO NOT SUBSTITUTE FOR FIELD LOCATES.



G:\200d\City\Franklin Water Improvements.dwg PLOT: March 16, 2010 at 12:02pm Administrator

REV	DATE	BY	DESCRIPTION



SOUTH FRANKLIN
WATER LINE IMPROVEMENTS
CONTRACT NO. RFQ E10-229



CD Carson Dorn Inc.
712 WEST 12TH STREET
JUNEAU, ALASKA 99801
(907) 586-4447

EXISTING SITE PLAN
C-2
SHEET No.
2 of 3

DRAWING
C-2
SHEET No.
2 of 3

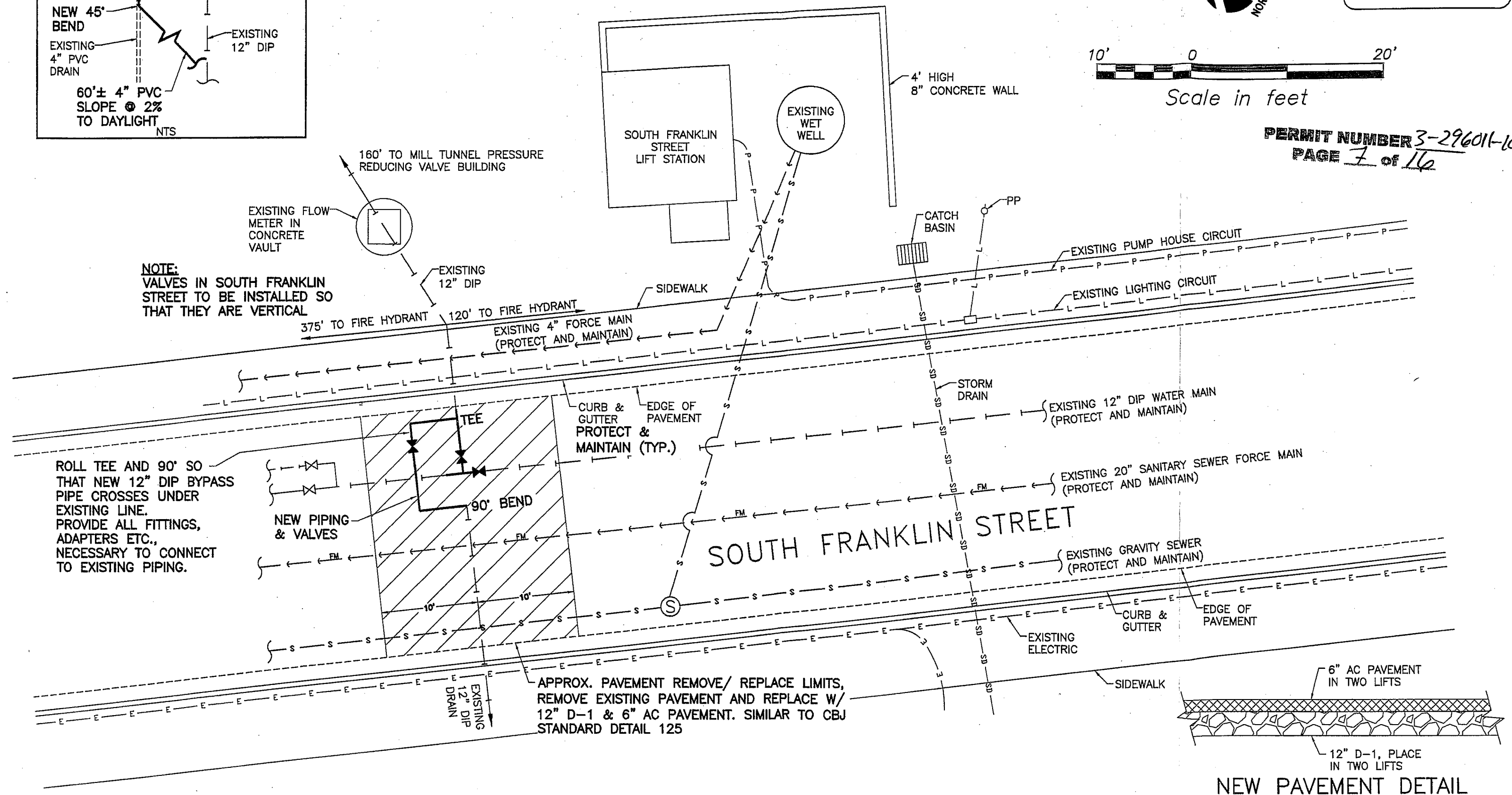
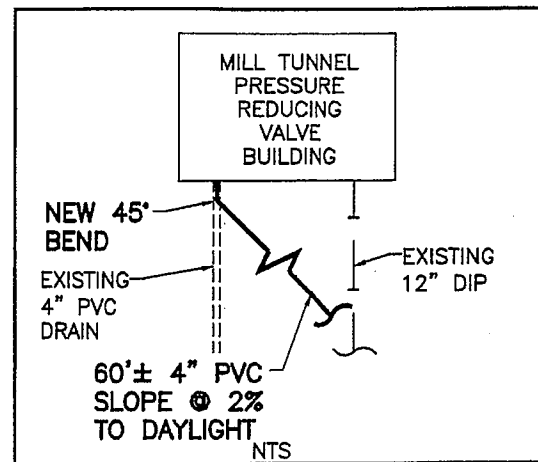
586-1333

UNDERGROUND UTILITIES INCLUDING BUT NOT LIMITED TO WATER, SEWER, POWER, TELEPHONE, & CABLE T.V. SHOWN ON THIS DRAWING INDICATE EXISTENCE. ONLY AND DO NOT SUBSTITUTE FOR FIELD LOCATES.



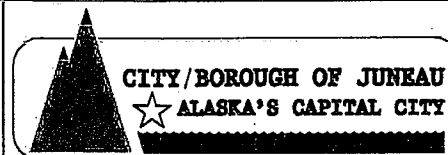
Scale in feet

PERMIT NUMBER 3-296011-10-16
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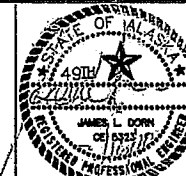


NEW PAVEMENT DETAIL

SCALE GRAPHIC
DESIGNED JLD
DRAWN GDM
CHECKED JLD
DATE MARCH 2010



**SOUTH FRANKLIN
WATER LINE IMPROVEMENTS
CONTRACT NO. RFQ E10-229**



Carson Dorn Inc.

712 WEST 12TH STREET
JUNEAU, ALASKA 99801
(907) 586-4447

NEW PIPING PLAN

DRAWING

C-3

SHEET No.

3 of 3

SPECIAL PROVISIONS

A. Traffic Control

1. All traffic control shall be designed installed and maintained under the direct supervision of an approved Traffic Control Supervisor certified by either the International Municipal Signal Association (IMSA) or The American Traffic Safety Services Association (ATSSA).
2. A traffic control plan shall be submitted to the department's Permit Officer for approval a minimum of ten (10) days prior to beginning construction.
3. Public notice of any planned road closure, lane restrictions or driveway closure shall be given a minimum of 24 hours in advance. The public notice shall include as a minimum:
 - a. A detailed description and map of the project.
 - b. The anticipated construction schedule.
 - c. An outline of possible closures or lane restrictions.
 - d. The contractor and or Permittee's 24 hour message number and office number.
4. Protective signing, lighting, barricades, and traffic control devices shall be of an approved design and placed in accordance with the latest edition of Manual on Uniform Traffic Control Devices published by the U.S. Department of Transportation and the Alaska Traffic Manual Supplement.
5. Double Fines signs should be posted in accordance with Part VI of the Alaska Traffic Manual Supplement. Double fines signs are not required for low speed, low volume roads or for work zones lasting 48 hours or less.
 - a.) Double Fines signs shall be removed or covered when the work activity ceases for more than two (2) days.
 - b.) The speed limit shown on work zone speed limit signs shall be the posted speed limit before construction or a reduced limit, if a work zone speed limit order has been approved by the department.
6. All signs, barricades, devices and flagmen shall be in place prior to commencing work within the right of way.
7. Flagmen, if used, must be certified by either the International Municipal Signal Association (IMSA) or The American Traffic Safety Services Association (ATSSA). Documentation of certification shall be provided if requested.
8. Reduced speed and two-way traffic shall be maintained on non-detoured roadways between the peak traffic hours of 7:30 a.m. to 9:00 a.m. and from 4:30 p.m. to 5:30 p.m.

9. One way traffic shall be maintained at all times unless a closure is approved by the Regional Utilities Engineer.
10. At the close of each work day the construction site on non-detoured roadways shall be restored to a condition that allows two-way traffic to flow in conformance with the normal traffic pattern in that area, unless otherwise approved by the Regional Utilities Engineer.
11. All temporary traffic control devices shall be removed as soon as practical when they are no longer needed. When work is suspended for short periods of time, temporary traffic control devices that are no longer appropriate shall be removed or covered.
12. Conduct periodic inspections of traffic control devices left in place during non-working hours to insure that they are working properly. A 24-hour telephone contact number for the work site traffic control supervisor responsible for maintaining 24-hour operations shall be provided to the local State Troopers or Police Department and the Department of Transportation Maintenance.

B. Protection and Restoration of the Right of Way

1. Heavy tracked equipment operation will not be permitted on a paved roadway or shoulder, unless approved in writing by the Regional Utilities Engineer. If approved, planking or rubber tires shall be utilized between the vehicle tracks and the pavement. Damage to the pavement, as a result equipment operation shall be repaired by the permittee as directed by the department.
2. The roadway and shoulder shall be maintained clear of any dirt and debris and shall be thoroughly cleaned at the end of each workday or more frequently if required.
3. The work area shall be restored to its original cross section by the end of the workweek. Whenever possible, trenches should be closed at the end of each workday. No more than 20 feet of trench excavation shall remain open at the end of the workday. If a trench is left open, it shall be properly barricaded to prevent accidental entry.
4. Any damage of existing utilities, storm drainage or other highway structures caused as a result of construction authorized by this permit will be repaired immediately by the permittee or their contractor.
5. Fill slopes, ditches and backslopes shall be returned to their original or better condition at the end of the workweek unless otherwise directed by the Regional Utilities Engineer. Reseeding of backslopes will be in accordance with Section 618 AKDOT&PF Standard Specifications dated 2004.
6. Any survey monument or monument accessory which will be disturbed or destroyed during construction of a permitted activity shall be referenced prior to disturbance and restored or replaced by a Land Surveyor licensed in the State of Alaska. The Land Surveyor must

file a Monument Record in accordance with AS 34.65.040. All monument records shall be reviewed by the Department prior to filing with the District Recorder.

7. Highway signs that are in conflict with construction shall be relocated on a temporary basis and reinstalled at the end of each workweek. Signs that are damaged during construction shall be replaced at no cost to the department.
8. Remove existing mailboxes and newspaper delivery tubes that conflict with construction and reset them temporarily. After construction has been completed reinstall in accordance with AKDOT&PF Standard Drawing M-20 and M-23.
9. Guardrail that is removed or damaged during construction will be replaced in accordance with Section 606 AKDOT&PF Standard Specifications dated 2002. Guardrail terminal ends that are removed or damaged during construction will be replaced with extruder terminals (ET-2000) in accordance with Sections 606 and 710 AKDOT&PF Standard Specifications dated 2004.
10. Traffic markings damaged or removed during construction shall be replaced in accordance with section 670 AKDOT&PF Standard Specifications dated 2004.
11. Any damage to the roadway prism, fill slopes, ditches, backslopes, structures or underground utilities determined to be a result of work authorized by this permit that becomes apparent within two (2) years after project completion and acceptance by the department shall be repaired by the permittee.

C. Underground Facilities

1. The depth of burial for underground facilities constructed or installed under pavement, roadway or runway surfaces must be at least four feet measured from the surface of the pavement to the top of the cable, conduit, pipeline or encasement.
 2. Underground facilities constructed under other surfaces, including unlined ditches must be buried at least three feet, measured in any direction from the surface to the top of the cable, conduit, pipeline or encasement.
 3. Underground crossings of the highway shall be accomplished by jacking and boring methods when possible.
 4. Where utility locate services are not available, carsonite reference markers must be installed and maintained at both ends of all utility highway crossings and at angle points in the facility. Where utilities are attached to a bridge attach a plate on the conduit at each abutment describing the content of the pipe or conductor and the name and phone number of the owning utility.
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D. Trenching, Excavation and Backfill

1. Clear and grub prior to starting excavation.
 - a. Clearing within the right of way shall be kept to the minimum necessary for construction and maintenance of the utility. Cut stumps flush with the ground.
 - b. Vegetation and debris removed by clearing and grubbing will be disposed of by burning, chipping or other approved methods. Comply with applicable laws and local ordinances regarding burning. Chipping shall be done in a manner that precludes the debris from blocking roadway ditches or drainage structures.
2. All unsuitable material shall be removed and replaced with approved material.
3. Use selected material, Type A, as specified in Subsection 703-2.07 of the Alaska DOT&PF Standard Specifications dated 2004, passing the 3-inch sieve, for bedding material and backfill material to 12 inches above the pipe.
4. Use selected material Type C, as specified in Subsection 703-2.07 of the Alaska DOT&PF Standard Specifications dated 2004, for backfill. Type C is described as earth, sand gravel, rock or a combination thereof containing no muck, peat, frozen material, roots, sod or other deleterious matter and is compatible
5. Excavated native material may be used for backfill if it meets the requirements of Selected Material Type C.
6. Bedding material will be placed in uniform layers not more than 6" deep and compacted to not less than 95% of the maximum density.
7. Backfill material will be placed and compacted in uniform layers normally 8", but not exceeding more than 1 1/2 times the diameter of material being used. Ponding or jetting is not permitted.
8. The top six (6) inches of the road surface or surface under pavement shall be crushed aggregate D-1

E. Pavement Replacement

1. Pavement cuts may be authorized from May 1st to September 30th and will only be permitted on an emergency basis from October 1st through April 30th unless the Regional Utilities Engineer approves a request for exception. Planned pavement cuts must be repaired by September 30th. No more than 2500 feet of pavement by project stationing can be disturbed without final repair.
2. The contractor shall maintain all roadways to the proper crowned surface, be kept smooth and passable. Pedestrian and bicycle facilities affected by the pavement removal shall be maintained smooth and passable at all time.

3. If the edge of the pavement is damaged during this construction the permittee shall have his contractor replace the pavement to the centerline of the roadway at least 10 feet each side of the damaged area. If the damage is intermittent and less than 50 feet between damaged areas the permittee shall make the repair continuous to cover the damage.
4. All asphalt cuts shall be permanently repaired with hot asphalt. Asphalt concrete pavement shall be Type II, Class B installed in conformance with Section 401 of the Alaska DOT&PF Standard Specifications dated 2004. The proposed job mix design shall be submitted for review and approval by the department.
 - a. For service crossings, pre-saw the area to be excavated. After completion of the utility installation, saw back the existing pavement a minimum of 1-1/2' over undisturbed earth on each side of the trench. Install 6" of asphalt hot mix which shall be spread and compacted in layers. The top layer shall not exceed a 2" compacted depth. Paint the entire area of all top-lift longitudinal joints with a 1/8" thick band of polymerized bituminous joint adhesive prior to placement the abutting lanes. The modified joint adhesive materials shall be Crafcro Pavement Joint Adhesive No. 34524, or an approved equal. The temperatures and application method of the joint adhesive shall be per manufacturer's recommendations.
 - b. For lane replacement, pre-saw the area of pavement effected by the utility installation. Cut the pavement so that the edges are vertical, the sides are parallel and the ends are perpendicular to the direction of traffic. The depth of pavement to be replaced will match the depth of the existing pavement unless otherwise specified. The pavement will be spread in layers not to exceed 2" to the seam nearest the centerline of the roadway. Paint the entire area of all top-lift longitudinal joints with a 1/8" thick band of polymerized bituminous joint adhesive prior to placement the abutting lanes. The modified joint adhesive materials shall be Crafcro Pavement Joint Adhesive No. 34524, or an approved equal. The temperatures and application method of the joint adhesive shall be per manufacturer's recommendations.
5. If the contract quantity is less than 1500 tons, the asphalt concrete pavement will be accepted based upon the engineers approval of the job mix design and the placement and compaction of the asphalt concrete to the specified depth and finished surface requirements and tolerances. The engineer's approval of the job mix design does not relieve the permittee or their contractor from the responsibility to produce the approved mix and is subject to field verification testing for oil content, density and gradation. The gradation, density and asphalt content shall be determined in accordance with section 410-4.02. If a calibrated nuclear content gauge is not available, asphalt content of the mix may be determined by extraction in accordance with AASHTO T-164. A minimum of two tests shall be taken for each approved mix design or as designated by the engineer.
6. The finished pavement surface will be tested after final rolling at selected locations using a 16-foot straightedge. Variations of more than 3/16 inch from the testing edge between any two contacts will be corrected.

7. A Polymer modified cold mix asphalt or concrete patch may be used as a temporary patch subject to written approval of the Regional Utilities Engineer. The temporary patch will be replaced as soon as hot asphalt is available.
 - a. Temporary repairs made with polymer-modified cold asphalt
 - 1.) For crossings, saw back existing pavement a minimum of 1' over undisturbed earth on each side of the trench. Paint edges with STE-1 tack coat and install 4" of polymer-modified cold asphalt. Damage to the pavement surface at locations other than crossings will be repaired by replacement of asphalt to the seam nearest centerline of the roadway with 4" of polymer-modified cold asphalt. All edges are to be saw cut and painted with STE-1 tack coat.
 - 2.) The polymer-modified cold asphalt shall be spread and compacted in 2" lifts, each compacted to a minimum of 94% of maximum density. Asphalt patch density shall be field controlled utilizing a calibrated nuclear densometer at two locations per patch. Field testing results shall be certified by a registered engineer and forwarded to DOT&PF.
 - 3.) Temporary concrete patches shall be a minimum of 6" thick with 6" x 6", 6 gage wire mesh or suitable reinforcing steel installed 3" below the finished grade. Concrete shall be Class A, six sack mix, with a slump range of 2"-4".
8. Asphalt concrete mixture that becomes contaminated with foreign material, is segregated or is in any way determined to be defective will be removed. Defective materials will be removed for the full thickness of the course.

F. AS Built Drawings

1. The permittee agrees to:
 - a. Furnish the department with a set of as built plans within 60 days from the completion of the project and
 - b. To provide location service the facilities at the department's request including surface and subsurface information at no cost to the department.

G. Environmental Provisions

1. If cultural, historic or archeological resources are discovered as a result of ground altering activities, all work that would disturb these resources shall be stopped and the State Historic Preservation Office shall be immediately contacted (907-269-8721).
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2. The Permittee shall not hold the Department responsible for any delay, redesign, rerouting, or additional cost due to encountering environmental contamination or cultural, historic, or archeological resources.
3. If there will be ground-disturbing activities, it is the Permittee's responsibility to obtain authorization from the Army Corps of Engineers for any work in areas designated as wetlands.

H. Inspection

1. The Regional Utilities Engineer may assign an inspector or inspectors to the project in order to insure compliance with the provisions of the utility permit. The inspector has the authority to suspend all work in the event of noncompliance.
2. The actual costs of inspection shall be reimbursed to the department by the permittee. Reimbursable expenses shall be:
 - a. Labor cost based on the inspector(s) hourly rate based on a 37.5-hour workweek. Overtime will be paid at a rate of time and one half
 - b. Travel and per diem expenses
 - c. Vehicle expense based on the current rate per mile if a state vehicle is required.
 - d. Cost of any tests required to determine conformance to standards

I. Maintenance and Operations

1. Routine maintenance shall be performed on the utility facility on a continuing basis. Routine maintenance may be performed without prior notification of the department however closure of a highway, pedestrian facility, pathway, sidewalk or creating a detour to perform routine maintenance must be specifically authorized by permit. The permittee shall apply for an annual lane closure permit to cover routine maintenance operations. Prior authorization must be obtained from the department before performing any maintenance that requires excavation, plowing, jacking or boring within the right of way.
2. Emergency maintenance may be performed without prior notice to the department as long as appropriate traffic control is established and maintained. If the project requires major reconstruction and or placement of traffic control devices for an extended period a lane closure permit is required. If the road surface is effected by the emergency maintenance, contact the local maintenance foreman as soon as possible and place pavement break warning signs in advance of the site until such time as the pavement has been repaired.
3. Maintenance and adjustment of manhole frames, valve boxes, junction boxes or other structures located in the pavement or sidewalk is the responsibility of the permittee.
4. If the facility authorized by this permit is to be reconstructed or modified substantially, a new permit is required. If the proposed modifications are not substantial, the permittee need only apply for an amended permit. A utility permit application is required for all new service connections.

J. Administration

1. Any rights granted by this permit may not be assigned or transferred to another entity without prior written approval from the department. If the utility is sold to another utility or merges with another utility, the new utility shall inform the department in writing within 30 days after the date of the transaction.
2. This utility permit may be revoked if;
 - a. The facilities were not constructed or installed in accordance with the terms of the utility permit.
 - b. The facilities do not conform to applicable federal, state and local standards
 - c. The permittee fails to adequately maintain the facility after having been notified to do so in writing by the department
 - d. The permittee fails to provide safe and adequate detours, barricades, signs flagmen or other controls to protect the public
 - e. The permittee fails, after written notice from the department to take corrective measures to comply with the department's instructions or requests.

Requests for exceptions to these provisions may be submitted in writing to the Regional Utilities Engineer.

In consideration of the benefits accruing to the Permittee by reasons of the foregoing agreement, this permit is hereby accepted by the Permittee and the Permittee hereby agrees to comply with all of the terms, provisions, conditions, stipulations therein contained. Dated this _____ day of _____, 20 ____

City and Borough of Juneau

By: _____

Title: _____

Attest: _____

Title: _____

ACKNOWLEDGEMENT OF
COMPANY OR PERMITTEE

STATE OF ALASKA)
_____ JUDICIAL DISTRICT)ss

BE IT REMEMBERED that on this _____ day of _____, 20____, before me the undersigned, a Notary Public of the State of Alaska, personally appeared

and _____
both to me personally known and known to me to be the identical individuals named in and who executed the foregoing permit, and acknowledged the said instrument to be the free and voluntary act and deed of the above named company for the uses and purposes therein expressed and on oath stated that they were authorized to execute said instrument.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of my office the day and year first above written.

My Commission Expires: _____

A Notary Public

The State of Alaska, acting by and through its Department of Transportation and Public Facilities has caused this Utility Permit to be executed on this _____ day of _____, 20 ____

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

Southeast Region

By: _____
Title: Regional Utility Engineer

ACKNOWLEDGEMENT OF DEPARTMENT

STATE OF ALASKA)
1 st. JUDICIAL DISTRICT)ss

BE IT REMEMBERED that on this _____ day of _____, 20____, before me, the undersigned, a Notary Public of the State of Alaska, personally appeared

of the Department of Transportation and Public Facilities known to me to be the identical individual who executed the foregoing permit, and he acknowledged to me that he executed the same for and on the behalf of the State of Alaska Department of Transportation and Public Facilities with full authority so to do, and for uses and purposes therein expressed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of my office the day and year first above written.

My commission Expires _____

A Notary Public
