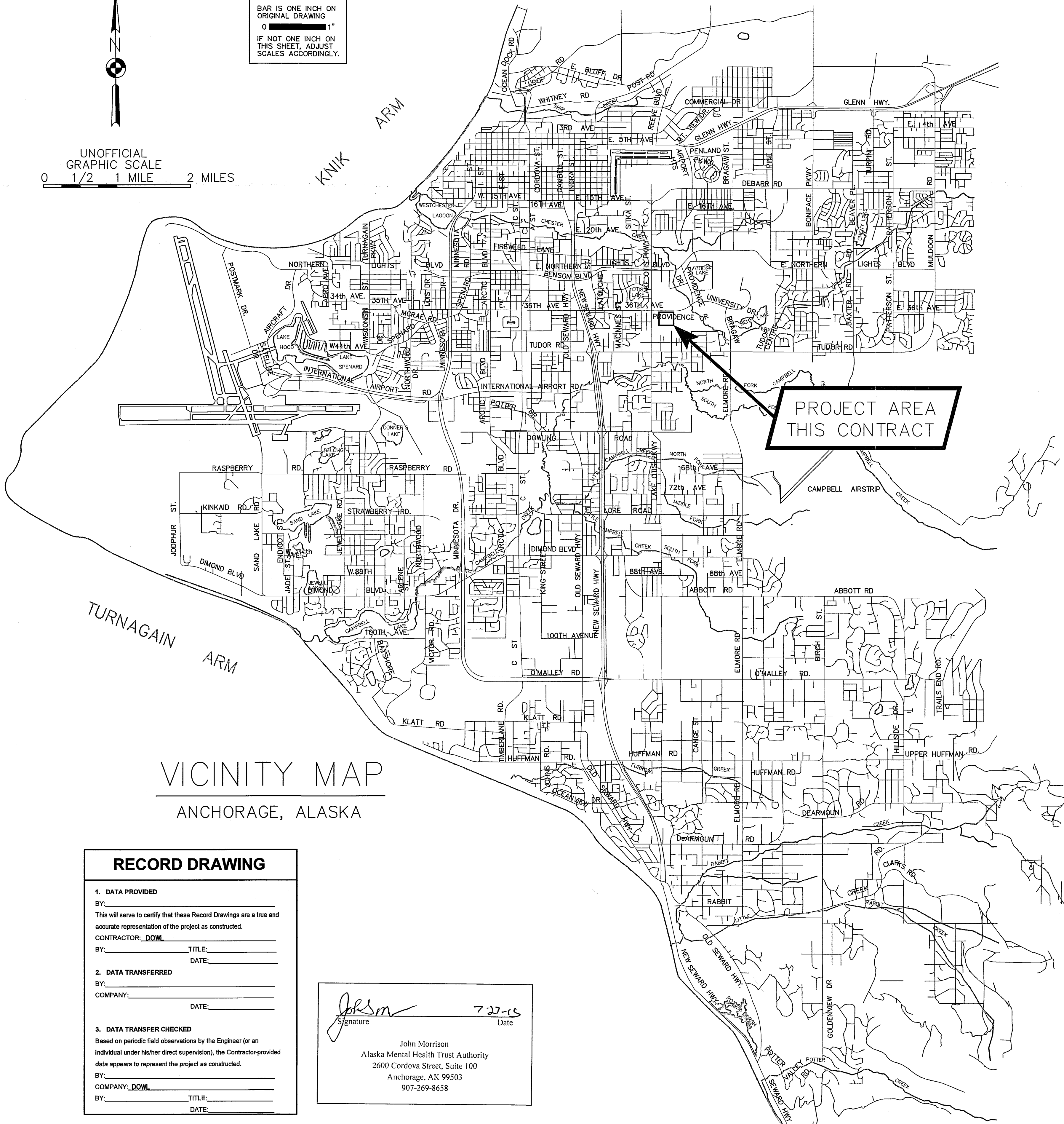


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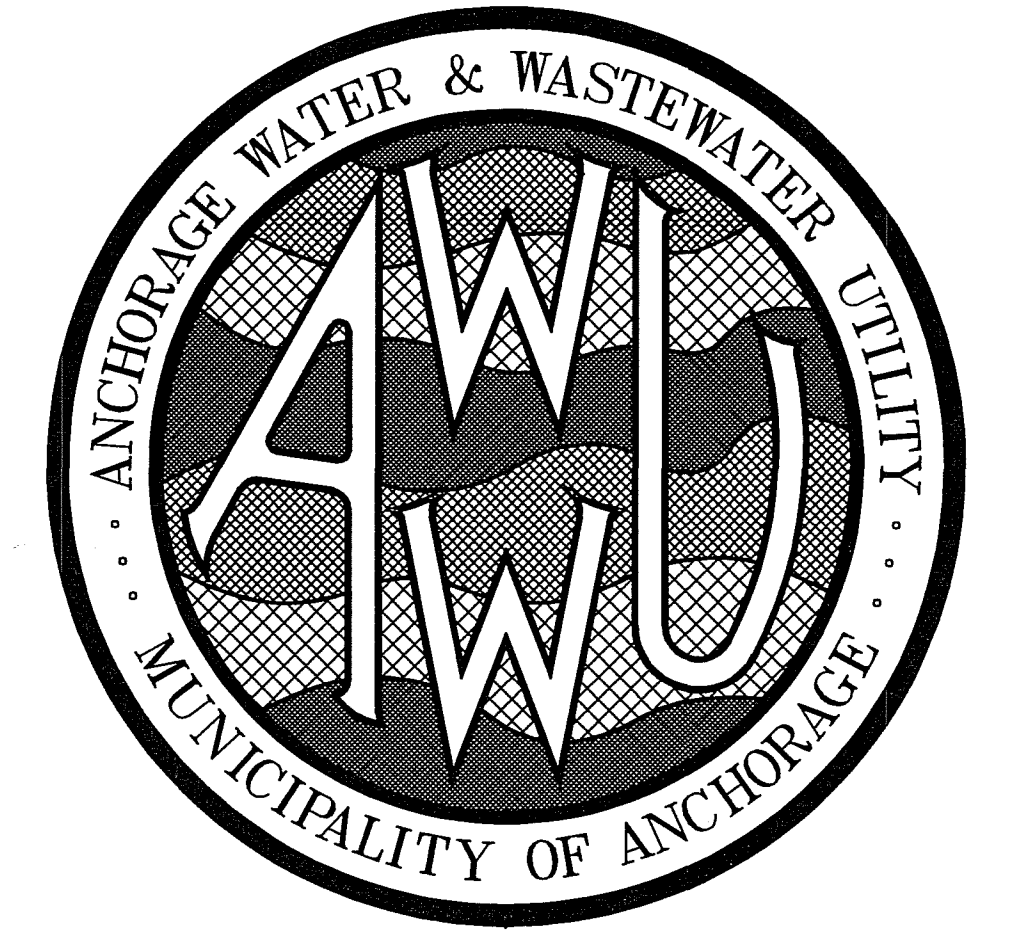
**VERIFY SCALES**  
BAR IS ONE INCH ON ORIGINAL DRAWING  
0 1" 1"  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

UNOFFICIAL GRAPHIC SCALE  
0 1/2 1 MILE 2 MILES



VICINITY MAP  
ANCHORAGE, ALASKA

PROJECT AREA  
THIS CONTRACT



MUNICIPALITY OF ANCHORAGE  
WATER AND WASTEWATER UTILITY

PROVIDENCE-CHESTER CREEK SUBDIVISION  
TRACT C-2

BASED UPON AWWU'S INTERPRETATION OF THE DESIGN ENGINEER'S INTENT, THIS PLAN APPROVAL IS TO ENSURE THAT THE PLANS WERE DESIGNED TO AWWU'S STANDARDS AND THE SIGNER IS NOT LIABLE FOR ANY ERRORS OR OMISSIONS.

APPROVED FOR CONSTRUCTION  
By Anchorage Water and Wastewater Utility  
Date 9/17/15

PROJECT IDENTIFICATION No. WS15-008

07/29/2015

SHEET INDEX	
SHEET NO.	SUBJECT
1	COVER SHEET
2	ABBREVIATIONS, KEY MAPS, LEGEND AND NOTES
3	SURVEY CONTROL
4	DEMOLITION PLAN
5	WATER PLAN AND PROFILE
6	SANITARY SEWER PLAN & PROFILE

**RECORD DRAWING**

1. DATA PROVIDED  
BY: \_\_\_\_\_  
This will serve to certify that these Record Drawings are a true and accurate representation of the project as constructed.  
CONTRACTOR: DOWL  
BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_

2. DATA TRANSFERRED  
BY: \_\_\_\_\_  
COMPANY: \_\_\_\_\_ DATE: \_\_\_\_\_

3. DATA TRANSFER CHECKED  
Based on periodic field observations by the Engineer (or an individual under his/her direct supervision), the Contractor-provided data appears to represent the project as constructed.  
BY: \_\_\_\_\_  
COMPANY: DOWL  
BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_

*John Morrison*  
Signature  
7-27-15  
Date  
John Morrison  
Alaska Mental Health Trust Authority  
2600 Cordova Street, Suite 100  
Anchorage, AK 99503  
907-269-8658

**DOWL**  
WWW.AWU.AK.GOV  
4041 B Street  
Anchorage, Alaska 99503  
907-562-2000

AWWU PLAN SET NO. 10580

AWWU PROJECT ID. No. WS15-008

LEGEND

Table with columns for EXISTING and PROPOSED symbols and their corresponding descriptions: PROPERTY LINE, ADJACENT PROPERTY, ROW CENTERLINE, EASEMENT LINE, CONTROL POINT, SURVEY MONUMENT, REBAR, BENCH MARK, BUILDING, CONCRETE, EDGE OF PAVEMENT, CURB AND GUTTER, FENCE, EDGE OF TREES, TREE CONIFEROUS, TREE DECIDUOUS, WATER LINE, VALVE / KEYBOX, FIRE HYDRANT, CAP, SEWER LINE, SEWER MANHOLE, SEWER CLEANOUT, STORM DRAIN LINE, STORM DRAIN MANHOLE, CATCH BASIN (TOP or FIELD INLET), CATCH BASIN (SIDE INLET), GAS LINE, COMMUNICATION LINE, TELECOMMUNICATIONS PEDESTAL, OVERHEAD ELECTRIC LINE, UNDERGROUND ELECTRIC LINE, POWER POLE / UTILITY POLE, LIGHTPOLE, ELECTRIC PEDESTAL, ELECTRIC METER, JUNCTION BOX, TEST BORING, TEST PIT, TRAFFIC SIGNAL POLE, TRAFFIC BOX, GUY WIRE & ANCHOR, BOLLARD, SIGN.

SOILS LEGEND

Table mapping soil codes to descriptions: AS ASPHALT PAVEMENT, GM SILTY GRAVEL WITH SAND, GP POORLY GRADED GRAVEL WITH SAND, GP GM POORLY GRADED GRAVEL WITH SILT AND SAND, ML INORGANIC SILTS AND CLAY, PT PEAT AND OTHER HIGHLY ORGANIC SOILS, SM SILTY SAND WITH GRAVEL, SM ML SILTY SAND AND CLAY, SP POORLY GRADED SANDS, GRAVELLY SANDS, SP SM POORLY GRADED SAND WITH SILT AND GRAVEL, SW WELL GRADED SANDS, GRAVELLY SANDS.

REFERENCED MASS DETAILS

Table listing referenced mass details: 30-1 CURB AND GUTTER CROSS SECTIONS, 30-8 PERPENDICULAR CURB RAMP, 40-2 PAVEMENT CUT REPLACEMENT, 50-1 SANITARY MANHOLE TYPE "A" PIPE 8" TO 24", 50-4 TYPE A AND B MANHOLE BASE PLAN, 50-5 MANHOLE HEIGHTS, 50-6 MANHOLE STEP, 50-8 MANHOLE COVER, 50-9 MANHOLE FRAME, 60-6 THRUST BLOCK, 60-8 TYPICAL VALVE BOX.

BEFORE YOU DIG CALL FOR FREE UNDERGROUND LOCATION. Includes a 'No Dig' symbol and contact information for the Locate Call Center of Alaska: Anchorage Area 278-3121, Statewide 800-478-3121.

ABBREVIATIONS

Table of abbreviations: AC ASBESTOS CEMENT, ACP ASPHALT CONCRETE PAVEMENT, ADEC ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION, AFD ANCHORAGE FIRE DEPARTMENT, APPROX APPROXIMATE, AWWU ANCHORAGE WATER & WASTEWATER UTILITY, BM BENCH MARK, BOP BOTTOM OF PIPE, C&G CURB AND GUTTER, CC CURB CUT, CI CAST IRON, COM COMMUNICATIONS, CN CONCRETE, DCPM DESIGN AND CONSTRUCTION PRACTICES MANUAL, DI DUCTILE IRON, DIA DIAMETER, DR DIMENSION RATIO, E EAST, ESMT EASEMENT, ELEC ELECTRICAL, ELEV ELEVATION, EP EDGE OF PAVEMENT, INV INVERT, LF LINEAR FEET, LT LEFT, MAX MAXIMUM, MASS MOA STANDARD SPECIFICATIONS, MIN MINIMUM, MOA MUNICIPALITY OF ANCHORAGE, ML&P MUNICIPAL LIGHT & POWER, N NORTH, NFS NON-FROST SUSCEPTIBLE, NTS NOT TO SCALE, O&M OPERATIONS AND MAINTENANCE, OC OVERHEAD COMMUNICATIONS, OE OVERHEAD ELECTRIC, OSHA OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION, PSI POUNDS PER SQUARE INCH, PVC POLYVINYL CHLORIDE, R RADIUS, RCP REINFORCED CONCRETE PIPE, RJB RESTRAINED JOINT INTEGRAL BELL, ROW RIGHT OF WAY, RT RIGHT, S SOUTH, SDCB STORM DRAIN CATCH BASIN, SDCB SANITARY SEWER CLEANOUT, SDMH STORM DRAIN MANHOLE, SSMH SANITARY SEWER MANHOLE, ST STEEL, STA STATION, STD STANDARD, TB TEMPORARY BENCHMARK, TBC TOP BACK OF CURB, TBM TELEPHONE MANHOLE, T&E TELEPHONE & ELECTRIC, TYP TYPICAL, W WEST.

SEWER NOTES

- 1. EXISTING CUSTOMERS SHALL BE NOTIFIED SEVENTY-TWO (72) HOURS IN ADVANCE OF SANITARY SEWER SERVICE INTERRUPTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY SANITARY SEWER SERVICE TO THE EXISTING CUSTOMERS IF DEEMED NECESSARY BY THE ENGINEER.
2. ALL MANHOLES SHALL HAVE A MINIMUM OF ONE SIX-INCH (6") GRADE RING AND MAXIMUM GRADE RING ADJUSTMENT SHALL NOT EXCEED EIGHTEEN (18") INCHES, PER MASS.
3. ALL SANITARY SEWER MAINS AND SERVICE LINES SHALL BE C900, DR18 POLYVINYL CHLORIDE (PVC) PIPE.
4. SANITARY SEWER SERVICES SHALL BE 8-INCHES, UNLESS NOTED ON PLANS WITH A MINIMUM SLOPE FOR 8-INCH SERVICES TO BE 0.4% PER SECTION 30.02.01.05 OF THE DCPM.
5. WHERE FEASIBLE, SANITARY SEWER SERVICES SHALL BE PLACED NO CLOSER THAN: 15 FEET HORIZONTALLY MEASURED TO ANY FIRE HYDRANT OR FIRE HYDRANT LEG; 10 FEET HORIZONTALLY MEASURED TO ANY WATER MAIN, WATER SERVICE, STORM SEWER, FOOTING DRAIN, STREET LIGHT, TRANSFORMER PAD, ELECTRICAL/TELEPHONE/CABLE BOX; AND 5 FEET HORIZONTALLY MEASURED TO ANY SIDE LOT LINE.
6. ALL PIPE BEDDING SHALL BE CLASS E MATERIAL.
7. SEWER MAIN AND SERVICE TRENCHES AND BEDDING SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY.
8. THE CONTRACTOR SHALL RELOCATE ANY SEWER SERVICE CONNECTIONS INSTALLED WITH LESS THAN MINIMUM STANDARD MEASURED DISTANCES PRIOR TO FINAL ACCEPTANCE BY AWWU.
9. STATIONING IS ALONG CENTERLINE OF PIPE. ELEVATIONS ARE TO PIPE INVERT, TOP OF RIM, OR CLEANOUT ELEVATION UNLESS NOTED OTHERWISE.
10. CONTRACTOR SHALL SEQUENCE WORK TO ENSURE SANITARY SEWER LINE IS PROTECTED AGAINST FREEZING PRIOR TO COMMISSIONING OF PIPE.

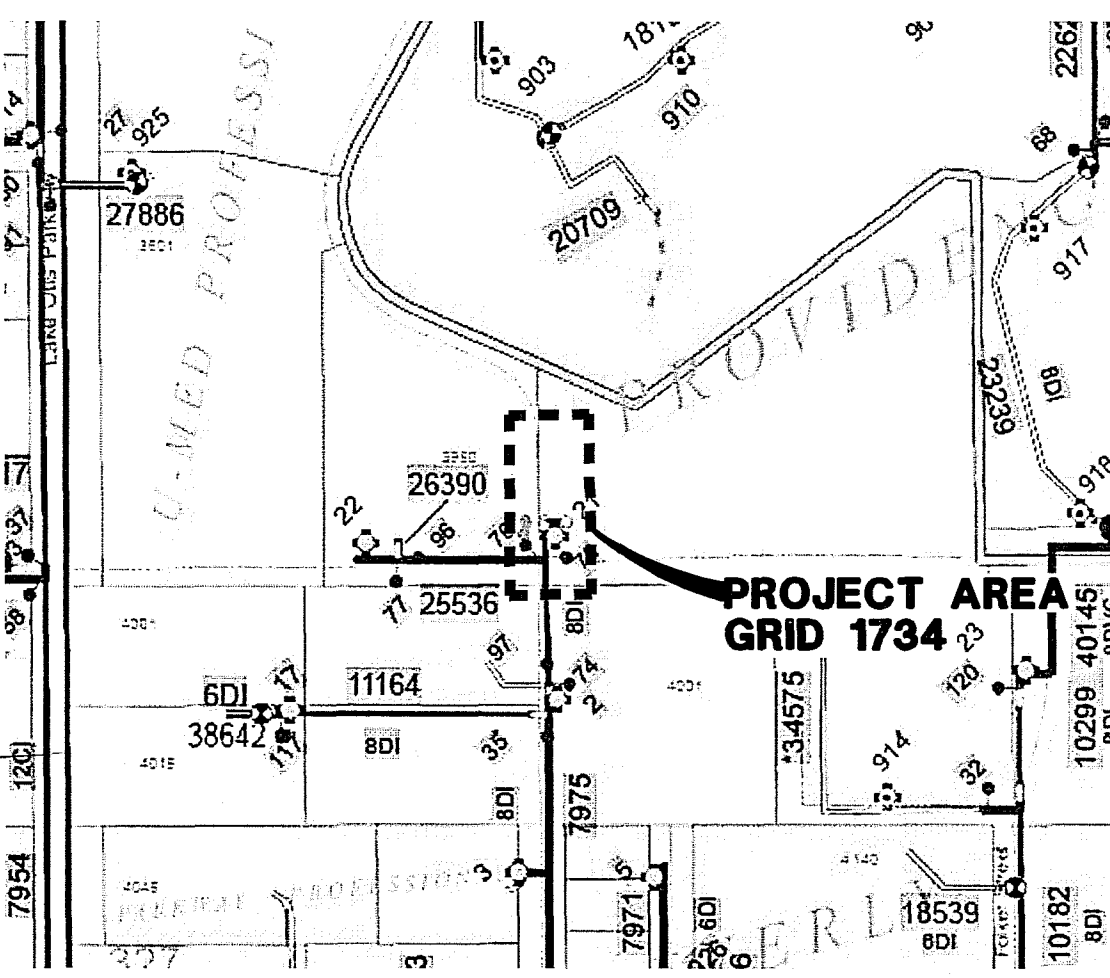
WATER CONSTRUCTION NOTES

- 1. AWWU, AFD AND EXISTING CUSTOMERS SHALL BE NOTIFIED SEVENTY-TWO (72) HOURS IN ADVANCE OF WATER SERVICE INTERRUPTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY WATER SERVICE TO THE EXISTING CUSTOMERS IF THE OUTAGE EXCEEDS 6-HOURS OR IF DEEMED NECESSARY BY THE ENGINEER. THE CONTRACTOR SHALL HAVE A TEMPORARY WATER SERVICE PLAN REVIEWED AND APPROVED BY ADEC.
2. ALL WATER SERVICE SHALL BE PVC C900 DR18 WITH CERTA-LOK® RJB.
3. ALL BENDS, TEES, FIRE HYDRANTS, AND DEAD-ENDS SHALL HAVE RESTRAINED FITTINGS.
4. NO PIPE LENGTH LESS THAN EIGHT (8") FEET SHALL BE INCORPORATED IN THE WATER SYSTEM EXCEPT FOR THOSE NECESSARY FOR FIRE HYDRANTS OR VALVE LOCATIONS UNLESS RESTRAINED.
5. THRUST RESTRAINT SHALL BE PROVIDED BY USE OF FIELD-LOK GASKETS (OR EQUAL) OR MEG-A-LUG FITTINGS (OR EQUAL) ON ALL JOINTS. THE USE OF THRUST BLOCKS ARE REQUIRED FOR PVC PIPE.
6. WATER MAIN SHALL BE 8" UNLESS NOTED ON PLANS.
7. WATER SERVICES SHALL BE PLACED NO CLOSER THAN: 15 FEET HORIZONTALLY MEASURED TO ANY FIRE HYDRANT OR FIRE HYDRANT LEG; 10 FEET HORIZONTALLY MEASURED TO ANY SANITARY SEWER MAIN, SANITARY SEWER SERVICE, STORM SEWER, FOOTING DRAIN, STREET LIGHT, TRANSFORMER PAD, ELECTRICAL/TELEPHONE/CABLE BOX; AND 5 FEET HORIZONTALLY MEASURED TO ANY SIDE LOT LINE.
8. THE CONTRACTOR SHALL HAVE THE NEWLY INSTALLED WATER SERVICE OPEN BORE FLUSHED TO BE WITNESSED BY AWWU. PROVIDE A MINIMUM OF 48 HOURS ADVANCE NOTICE PRIOR TO INSTALLATION OF WATER SERVICE.
9. ALL WATER SERVICE TRENCHES AND BEDDING SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY.
10. ALL WATER SERVICES SHALL HAVE A MINIMUM OF 10 FEET OF BURY AT ALL POINTS.
11. NO DEFLECTION ALLOWED ON PVC.
12. ALL PIPE BEDDING SHALL BE CLASS "E" MATERIAL.
13. THE CONTRACTOR SHALL RELOCATE ANY WATER SERVICE CONNECTIONS INSTALLED WITH LESS THAN MINIMUM STANDARD DISTANCES PRIOR TO ACCEPTANCE BY AWWU.
14. CONTRACTOR SHALL INSTALL CATHODIC PROTECTION IN ACCORDANCE WITH SECTION 20.10.04 OF THE AWWU DESIGN AND CONSTRUCTION PRACTICES MANUAL.

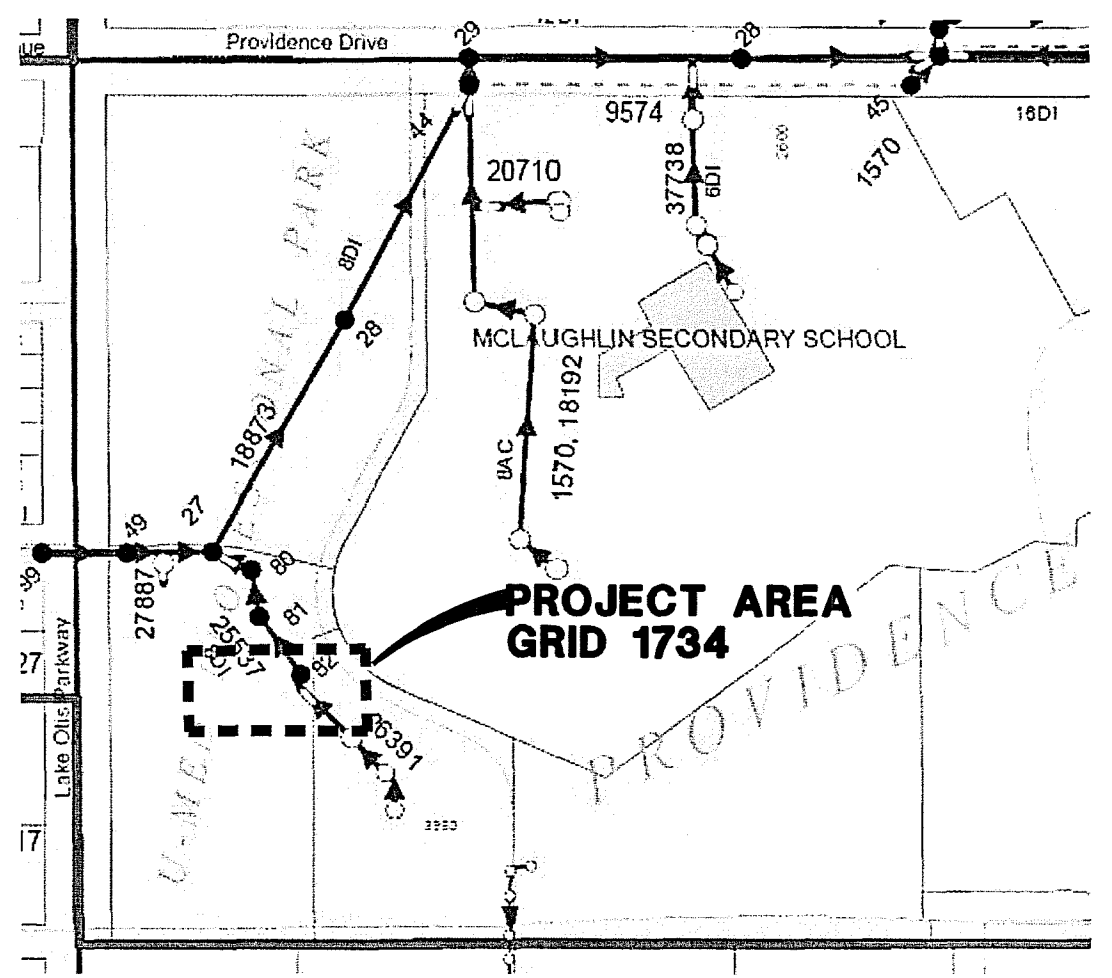
APPROVED FOR CONSTRUCTION By Anchorage Water and Wastewater Utility. Date 7/1/16.

GENERAL NOTES

- 1. ALL CONSTRUCTION SHALL BE INSTALLED AS SPECIFIED IN 2015 EDITION OF THE MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS FOR STREETS-DRAINAGE-UTILITIES-PARKS (MASS), AS CURRENTLY AMENDED, AND THE 2012 AWWU DESIGN AND CONSTRUCTION PRACTICES MANUAL.
2. MAINTAIN A MINIMUM OF TEN (10) FEET HORIZONTAL SEPARATION BETWEEN WATER AND SANITARY OR STORM SEWER MAINS AND SERVICES. SANITARY AND STORM SEWER JOINTS SHALL BE PLACED A MINIMUM OF NINE(9) FEET FROM ANY WATERLINE CROSSING.
3. MAINTAIN A MINIMUM OF 36-INCHES OF VERTICAL SEPARATION BETWEEN ANY STORM SEWER (STORM DRAIN OR FOOTING DRAIN) AND WATERLINE (MANS OR SERVICES) OR SANITARY SEWER (MANS OR SERVICES). IF 36-INCHES CANNOT BE MAINTAINED, THEN PROVIDE A MINIMUM OF EIGHTEEN (18) INCHES OF VERTICAL SEPARATION AND PROVIDE A MINIMUM OF 4-INCH THICK INSULATION.
4. ALL WATER/SEWER PIPE INSULATION SHALL BE RIGID BOARD, HIGH DENSITY EXTRUDED POLYSTYRENE, MIN. 60 P.S.I., FOR UNDERGROUND INSTALLATIONS EQUIVALENT TO R-20 PER FOUR (4) INCH THICK INSULATION.
5. CONTRACTOR SHALL VERIFY AND RECORD THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED IN THE FIELD AND RECORD ANY CHANGES ON THE CONTRACTOR RECORD DRAWINGS.
6. THE CONTRACTOR SHALL RESTORE ALL DISTURBED PROPERTY, INCLUDING DRAINAGE SWALES, DISTURBED BY CONTRACT ACTIVITIES TO PRECONSTRUCTION CONDITION.
7. IN CASE OF CONFLICT BETWEEN STATIONING LOCATION OF PIPE OR FITTINGS, USE DIMENSIONED LOCATIONS RELATIVE TO THE CENTERLINE AND PROPERTY LINE, THE DIMENSIONED LOCATIONS SHALL GOVERN.
8. THE CONTRACTOR SHALL RECORD SURVEY NOTES FOR SUBMITTAL WITH RECORD DRAWING PLANS PRIOR TO CONTRACT FINAL PAYMENT.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROLS NECESSARY TO COMPLY WITH FEDERAL, STATE, AND MUNICIPAL LAWS THAT PROHIBIT UNPERMITTED DISCHARGE OF POLLUTANTS, INCLUDING SEDIMENTS, THAT ARE A RESULT OF EROSION AND OTHER CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL CONDUCT ALL WORK SO SEDIMENT IS NOT TRANSPORTED ONTO THE ROADWAY OR ADJACENT PROPERTY. AT A MINIMUM, THE CONTRACTOR SHALL SWEEP UP ANY SEDIMENT TRACKED ONTO PAVED SURFACES IN PUBLIC RIGHT-OF-WAY WITHIN 24 HOURS OF THE TRACKING TO MINIMIZE THE WASH-OFF OF SEDIMENT INTO THE STORM DRAINS OR WATERWAYS.
10. THE CONTRACTOR SHALL FOLLOW ALL MUNICIPALITY OF ANCHORAGE REGULATIONS FOR NOISE, HOURS OF OPERATIONS, AND DUST CONTROL.
11. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO BEGINNING CONSTRUCTION. THE PERMITS SHALL BE MAINTAINED AT THE JOB SITE.
12. LOCATIONS DEPICTED FOR THE UTILITIES AND OTHER EXISTING FEATURES ARE APPROXIMATE. SOME UTILITIES HAVE BEEN LOCATED FROM RECORD DRAWINGS AND SOME FROM UTILITY COMPANY LOCATES, AND THEREFORE MAY NOT BE VISIBLE. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING ALL UTILITIES AND SHALL EXERCISE CAUTION DURING CONSTRUCTION.
13. SHORING OF UTILITY POLES SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE PAYMENT SHALL BE MADE.
14. UNDERGROUND AND OVERHEAD ELECTRICAL AND TELECOMMUNICATION LINES AND POLES OCCUR WITHIN THE PROJECT AREA; CONTRACTOR SHALL COORDINATE WORK ACCORDINGLY. ALL WORK IN CLOSE PROXIMITY TO EXISTING LINES AND POLES SHALL COMPLY WITH APPLICABLE FEDERAL, STATE, AND LOCAL STATUTES, CODES AND GUIDELINES, AND THE ELECTRICAL FACILITY CLEARANCE REQUIREMENTS OF THE GOVERNING UTILITY. FOLLOW GUIDELINES FOR THE PROPER SUPPORT OF CABLES AND CONDUITS WHEN CONDUCTING EXCAVATION AROUND SUCH FACILITIES. HAND DIGGING IS REQUIRED WITHIN TWO FEET OF BURIED ELECTRICAL CABLE.
15. COORDINATE ALL EXCAVATION NEAR GAS LINES WITH GAS UTILITY COMPANY. CONTRACTOR SHALL COMPLY WITH ALL UTILITY SAFETY REQUIREMENTS AND ALLOW/COORDINATE UTILITY INSPECTION WITH THE UTILITY OWNER PRIOR TO BACKFILLING.
16. TACK COAT SHALL BE APPLIED TO THE SAWN FACE OF ASPHALT.
17. WATER RESULTING FROM CONTRACTOR'S DEWATERING EFFORT SHALL NOT BE PUMPED OR OTHERWISE DIVERTED INTO EXISTING STORM DRAINS UNLESS REQUIRED PERMITS ARE OBTAINED BY CONTRACTOR. UNDER NO CIRCUMSTANCES WILL THE CONTRACTOR BE ALLOWED TO DIVERT WATER FROM THE EXCAVATION ONTO THE ROADWAYS. CONTRACTOR SHALL PROVIDE DISPOSAL SITE FOR EXCESS WATER AND SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS AND APPROVALS.
18. CONTRACTOR SHALL RESTORE DISTURBED PROPERTY TO PRECONSTRUCTION CONDITION(S), UNLESS OTHERWISE DIRECTED BY THE ENGINEER. PAYMENTS FOR RESTORING DISTURBED PROPERTY SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE PAYMENT SHALL BE MADE, UNLESS BID ITEMS ARE PROVIDED.
19. MAINTAIN INTEGRITY OF EXISTING FILL BENEATH PAVEMENT THAT IS ADJACENT TO TRENCH.
20. DIMENSIONS SHOWN ARE TO EDGE OF PAVEMENT, GRADE BREAK, EDGE OF CONCRETE, OR FACE OF SIDEWALK.



WATER KEYMAP (GRID SW1734) SCALE: NTS



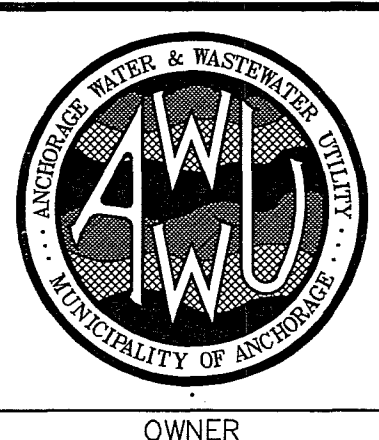
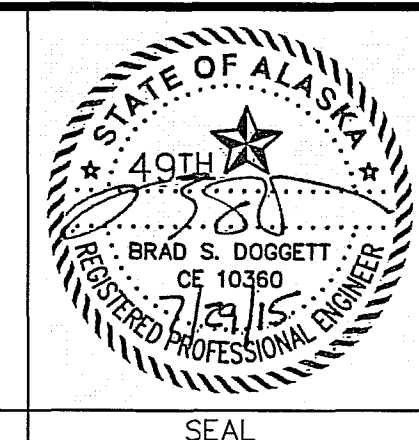
SEWER KEYMAP (GRID SW1734) SCALE: NTS

VERIFY SCALE table with columns for DATA, DRAWN BY, CHECKED BY, REV, DATE, and DESCRIPTION. Includes rows for BASE, TOPOGRAPHY, PROFILE, SANITARY SEWER, STORM SEWER, WATER, and GAS.

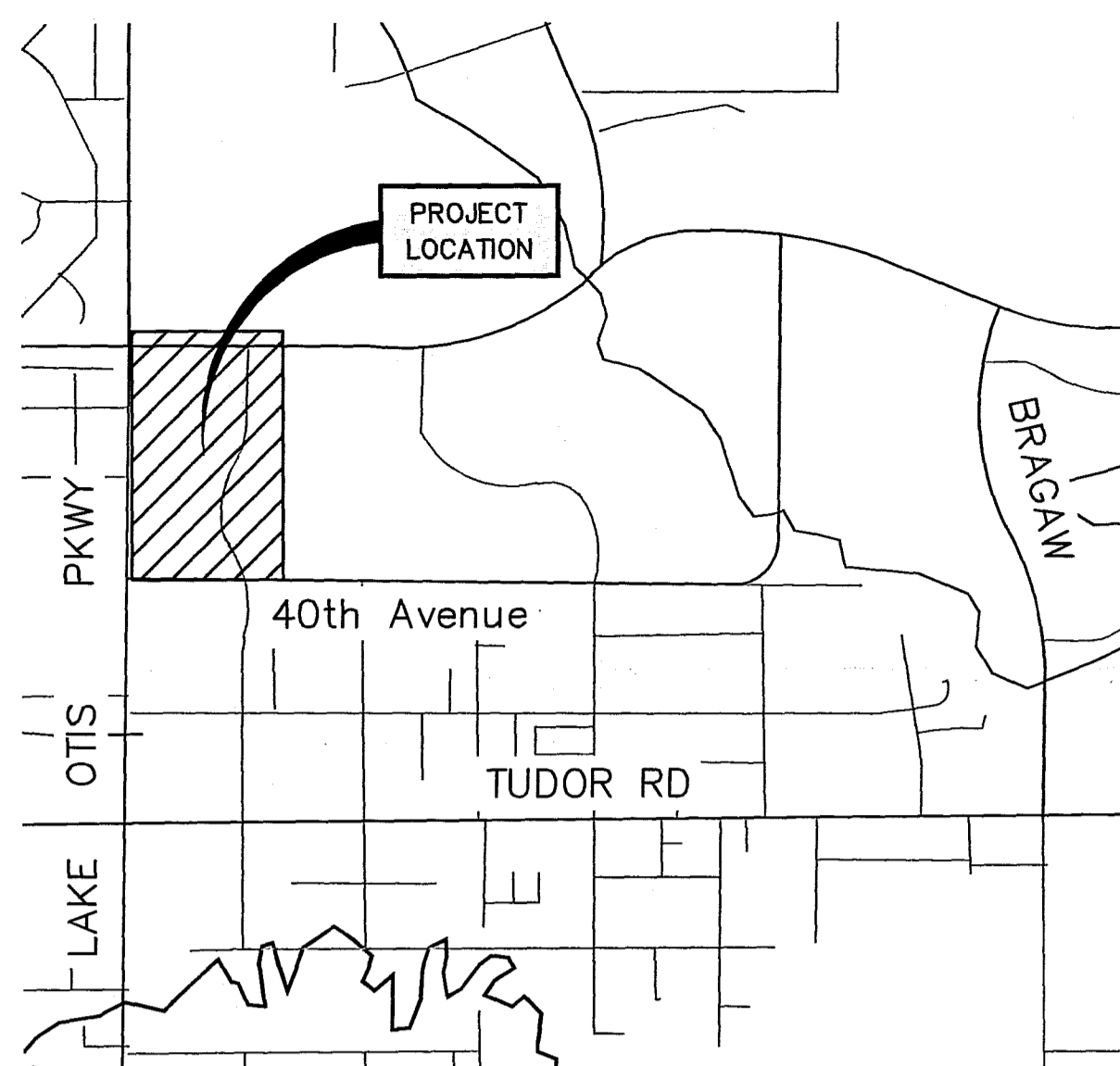
RECORD DRAWING table with columns for DATA PROVIDED BY, DATE, and DESCRIPTION. Includes rows for DATA PROVIDED BY, DATA TRANSFERRED BY, and DATE.

REUSE OF DOCUMENTS. THIS DOCUMENT AND THE IDEAS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF AWWU AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT WRITTEN AUTHORIZATION OF AWWU.

COMPANY NAME: DOWL. ADDRESS: 4041 B STREET ANCHORAGE, AK 99503. PHONE: 907-562-2000.



MUNICIPALITY OF ANCHORAGE WATER & WASTE WATER UTILITY. PROVIDENCE - CHESTER CREEK SUBDIVISION TRACT C-2. ABBREVIATIONS, KEYMAPS, LEGEND AND NOTES. SHEET 2 of 6.



**VICINITY MAP - GRID**

SCALE 1" = 1000'

**SURVEY CONTROL NOTES**

**HORIZONTAL CONTROL**

This project is located entirely within the Anchorage Bowl 2000 adjustment, a local surface grid coordinate system expressed in U.S. Survey feet units developed by the Alaska Department of Transportation.

The Basis of Coordinates is NGS Station O'Malley, located near the intersection of the New Seward Highway and O'Malley Road. Said station has Anchorage Bowl 2000 coordinates of 303939.2310 N, 353362.5446 E. U.S. Survey Feet.

The Basis of Bearings is a local plane bearing between NGS Station O'Malley and NGS Station Loop 2 USE RM 3 1964. NGS Station Loop 2 USE RM 3 1964 bears N 01°43'26.4"E a distance of 49488.4476 feet from NGS Station O'Malley. NGS Station Loop 2 USE RM 3 1964 has Anchorage Bowl 2000 coordinates of 353405.2778 N, 354851.3982 E. U.S. Survey Feet.

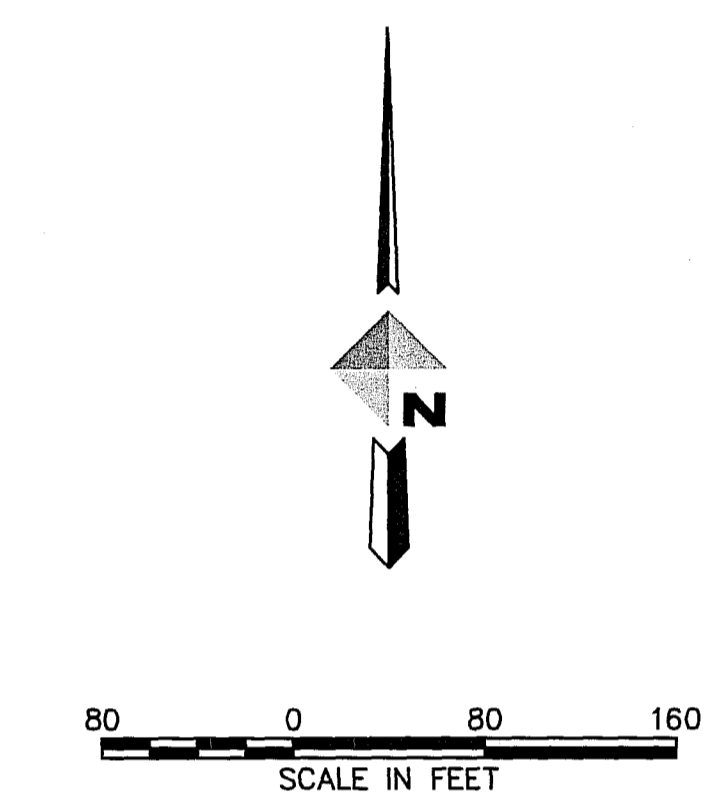
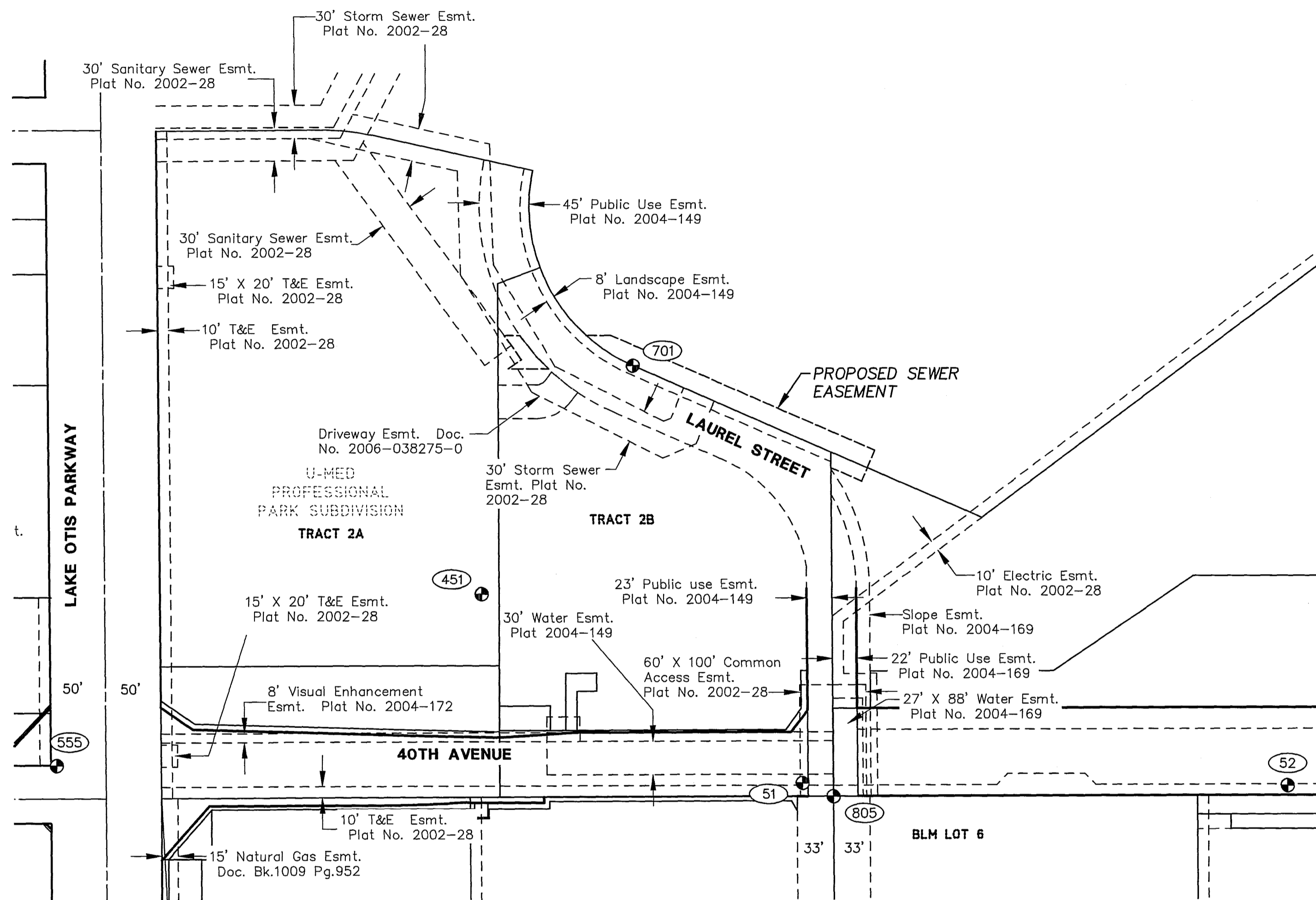
To convert the local coordinates to NAD83 (92) State Plane coordinates expressed in U.S. Survey Feet, translate using +2296868.6878 N usf, +1312517.4904 E usf, and scale using 0.9998910192.

**VERTICAL CONTROL**

Elevations are based on the Municipality of Anchorage Vertical Control Network in U.S. Feet. The Basis of Elevation is Benchmark "GAAB-17" having a value of 154.49 feet and "GAAB-101" having a value of 136.22 feet. The datum is NGS 1972 ADJUST.

**SURVEY NOTES**

- The field survey was performed by DOWL from November 2006 to February 2007, May 2009, and January 2011. Field survey information for this project is located in DOWL HKM Field Book No. 2085, Pages 1 through 67, Field Book No. 2086, Pages 2 through 69, Field Book No. 2087, Pages 1 through 74, Field Book No. 2090, Pages 1 through 76, Field Book No. 2097, Pages 1 through 27 and 63 through 64, Field Book No. 2099, Pages 63 through 69.
- All distances are ground distances reduced to horizontal in U.S. Feet.
- Feet to Meter conversion factor is 1200/3937.
- Background property information shown hereon is based on plats, deeds, or record of surveys researched for this project and is shown for orientation purposes only.
- Whether listed or not, all monuments or property markers, corners, or accessories which will be disturbed or buried, shall be referenced and reestablished in their original position (AS 19.10.260) and recorded (AS 34.65.040).
- Underground Natural Gas, Telephone, Electric, and Cable TV lines were not field located.
- Location of water utility lines is approximate. They are drawn from valve to valve using As-Built information and were not field located.



**LEGEND**

- ⊕ SURVEY MONUMENT
- 901 CONTROL POINT NUMBER
- ADJACENT PROPERTY
- ROW CENTERLINE
- - - EASEMENT

**SURVEY CONTROL POINTS**

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
51	328,296.68	357,265.23	-	Alum. Cap
52	328,294.23	357,705.13	-	Alum. Cap
451	328,465.90	356,974.69	-	Alum. Cap
555	328,313.07	356,589.00	-	Brass Cap
701	328,670.26	357,112.26	-	Alum. Cap
805	328,284.71	357,293.52	-	Alum. Cap

BASED UPON AWWU'S INTERPRETATION OF THE DESIGN ENGINEER'S INTENT, THIS PLAN APPROVAL IS TO ENSURE THAT THE PLANS WERE DESIGNED TO AWWU'S STANDARDS AND THE SIGNEE IS NOT LIABLE FOR ANY ERRORS OR OMISSIONS.

**APPROVED FOR CONSTRUCTION**  
By Anchorage Water and Wastewater Utility  
Date: 9/17/16

VERIFY SCALE		THIS BAR REPRESENTS ONE INCH ON ORIGINAL DRAWING.		IF BAR IS NOT ONE INCH, ADJUST DRAWING SCALE ACCORDINGLY.		FULL SIZE SCALE	
DATA	DRAWN BY	CHECKED BY	DATE	DESCRIPTION	BY	DATE	DESCRIPTION
BASE	---	---	---	TELEPHONE	---	---	---
TOPOGRAPHY	---	---	---	ELECTRIC	---	---	---
PROFILE	---	---	---	CABLE TV	---	---	---
SANITARY SEWER	---	---	---	TRAFFIC SIGNAL	---	---	---
STORM SEWER	---	---	---	DESIGN	---	---	---
WATER	---	---	---	QUANTITIES	---	---	---
GAS	---	---	---	MUN. FINAL CHECK	---	---	---

**RECORD DRAWING** Note: To be filled out on original drawings upon project completion.

1. DATA PROVIDED BY: XXXXX  
This will serve to certify that these Record Drawings are a true and accurate representation of the project as constructed.  
CONTRACTOR: XXXXX  
BY: \_\_\_\_\_ TITLE: XXXXX  
DATE: 00/00/00

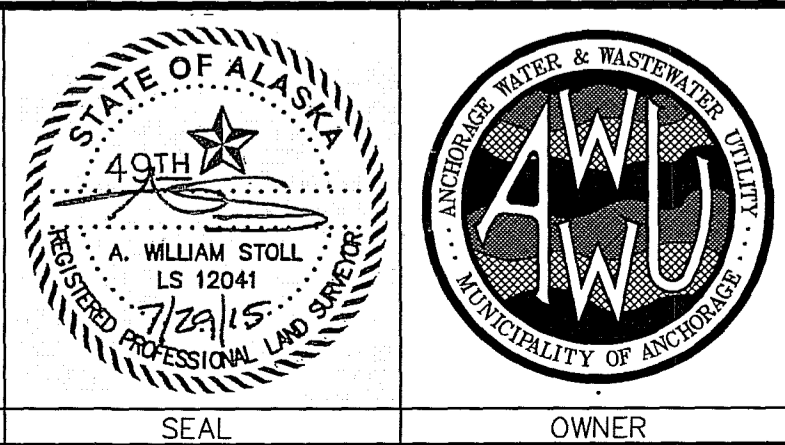
2. DATA TRANSFERRED BY: XXXXX  
COMPANY: XXXXX  
DATE: 00/00/00

3. Based on periodic field observations by the Engineer (or an individual under his/her direct supervision), the Contractor-provided data appears to represent the project as constructed.  
DATA TRANSFER CHECKED BY: XXXXX  
COMPANY: XXXXX  
BY: \_\_\_\_\_ TITLE: XXXXX  
DATE: 00/00/00

**REUSE OF DOCUMENTS**

THIS DOCUMENT AND THE IDEAS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF AWWU AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT WRITTEN AUTHORIZATION OF AWWU.

COMPANY NAME: DOWL  
ADDRESS: 4041 B STREET ANCHORAGE, AK 99503  
PHONE: 907-562-2000



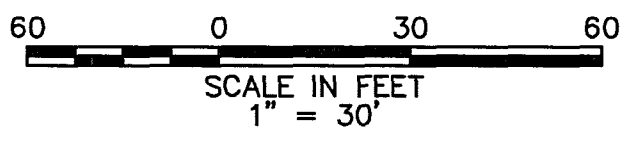
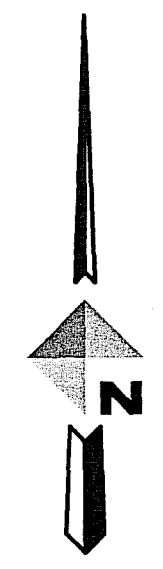
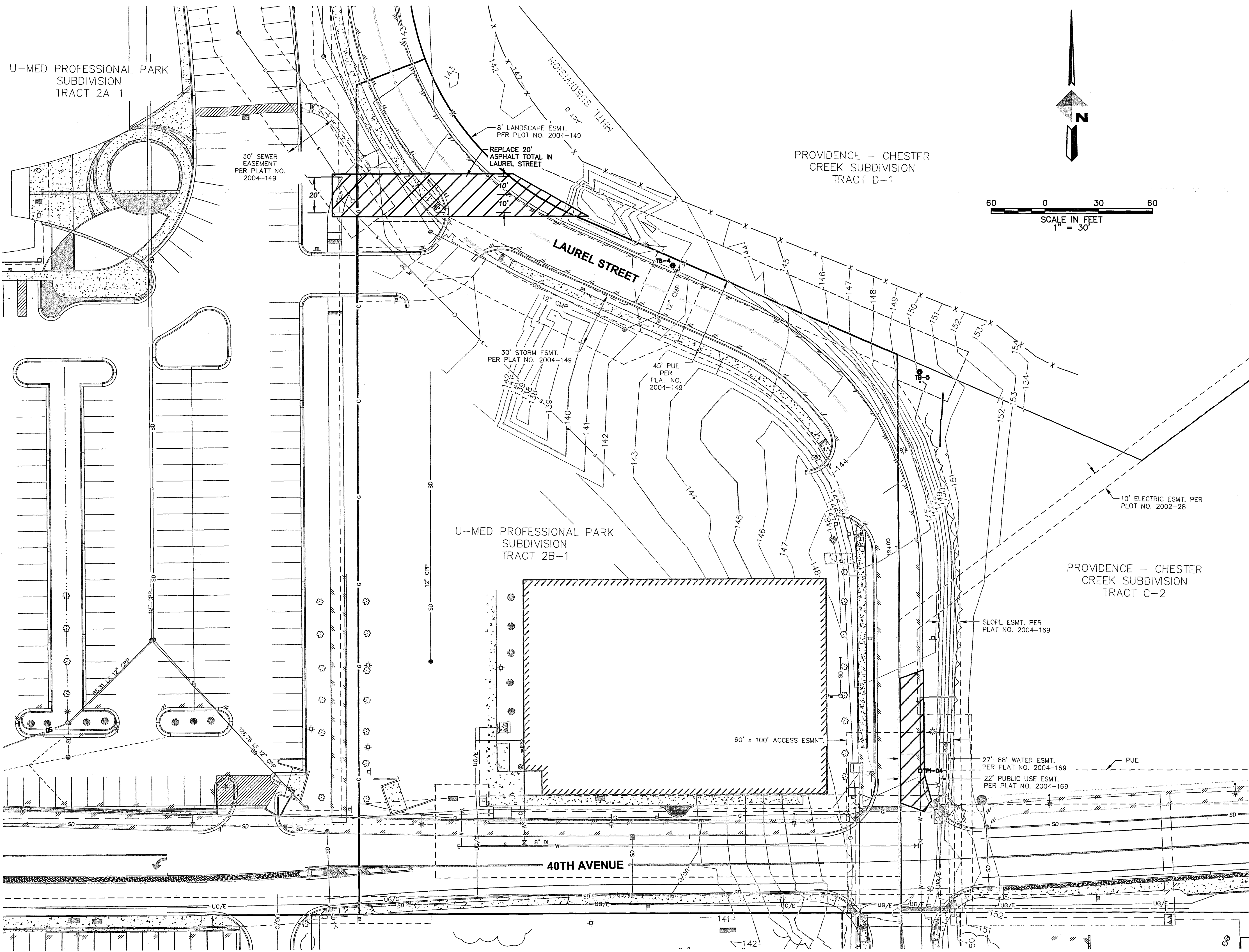
MUNICIPALITY OF ANCHORAGE WATER & WASTE WATER UTILITY

PROVIDENCE - CHESTER CREEK SUBDIVISION TRACT C-2

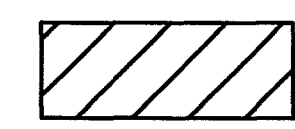
**SURVEY CONTROL**

HORIZ SCALE: 1"=80' DATE: JULY 2015 GRID: SW1734  
VERT SCALE: \_\_\_\_\_ SHEET 3 of 6

AWWU PRIVATE DEVELOPMENT #: WS15-008



DEMOLITION KEY



REMOVE ASPHALT/CONCRETE

BASED UPON AWWU'S INTERPRETATION OF THE DESIGN ENGINEER'S INTENT, THIS PLAN APPROVAL IS TO ENSURE THAT THE PLANS WERE DESIGNED TO AWWU'S STANDARDS AND THE SIGNEE IS NOT LIABLE FOR ANY ERRORS OR OMISSIONS.

APPROVED FOR CONSTRUCTION  
By Anchorage Water and Wastewater Utility  
Date: 9/1/15 *[Signature]*

VERIFY SCALE		THIS BAR REPRESENTS ONE INCH ON ORIGINAL DRAWING.		0" = 1"		IF BAR IS NOT ONE INCH, ADJUST DRAWING SCALE ACCORDINGLY.		FULL SIZE SCALE HORZ SCALE: 1"=30' VERT SCALE:	
DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY	REV	DATE	DESCRIPTION	BY
BASE	---	---	TELEPHONE	---	---				
TOPOGRAPHY	---	---	ELECTRIC	---	---				
PROFILE	---	---	CABLE TV	---	---				
SANITARY SEWER	---	---	TRAFFIC SIGNAL	---	---				
STORM SEWER	---	---	DESIGN	---	---				
WATER	---	---	QUANTITIES	---	---				
GAS	---	---	MUN. FINAL CHECK	---	---				
PLAN CHECK									
REVISIONS									

**RECORD DRAWING** Note: To be filled out on original drawings upon project completion.

This will serve to certify that these Record Drawings are a true and accurate representation of the project as constructed.

CONTRACTOR: XXXXX

BY: \_\_\_\_\_ TITLE: XXXXX

DATE: 00/00/00

2. DATA TRANSFERRED BY: XXXXX

COMPANY: XXXXX

DATE: 00/00/00

**REUSE OF DOCUMENTS**

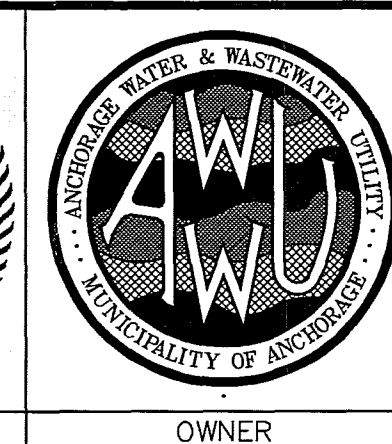
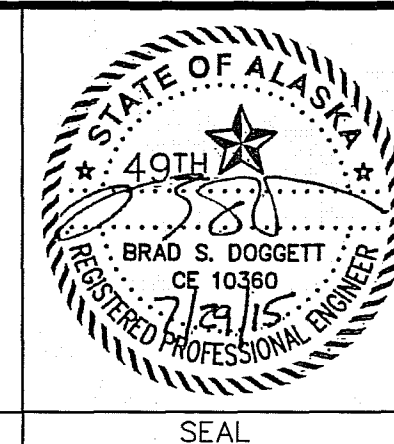
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**COMPANY NAME**  
DOWL

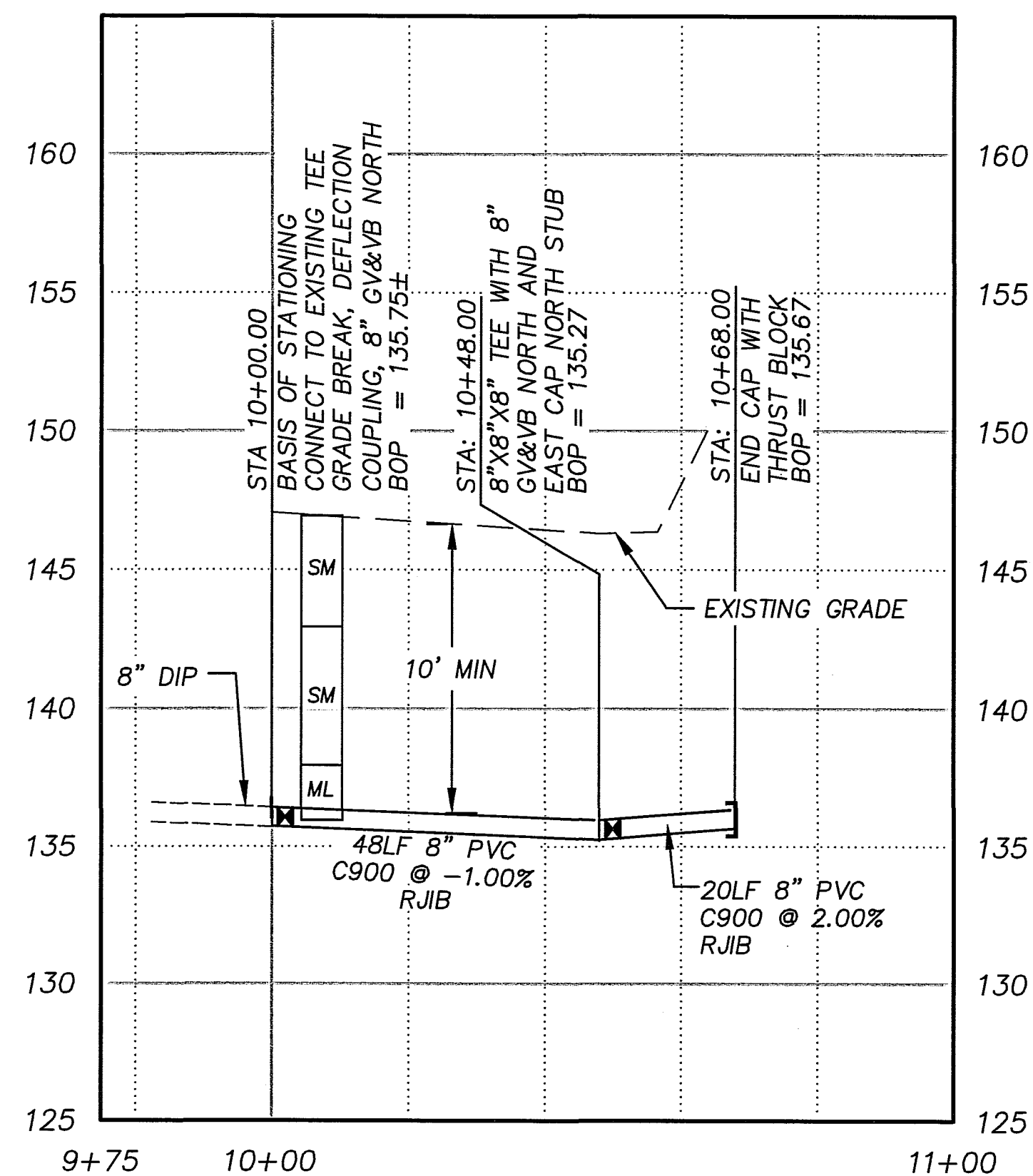
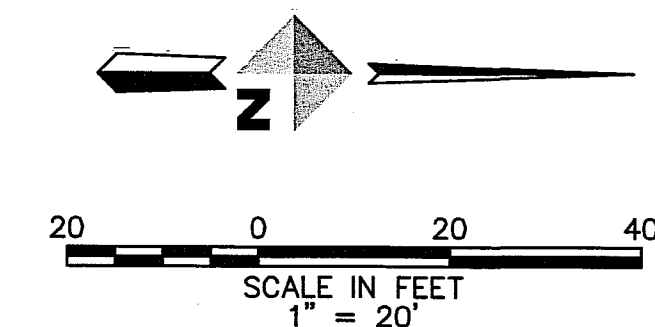
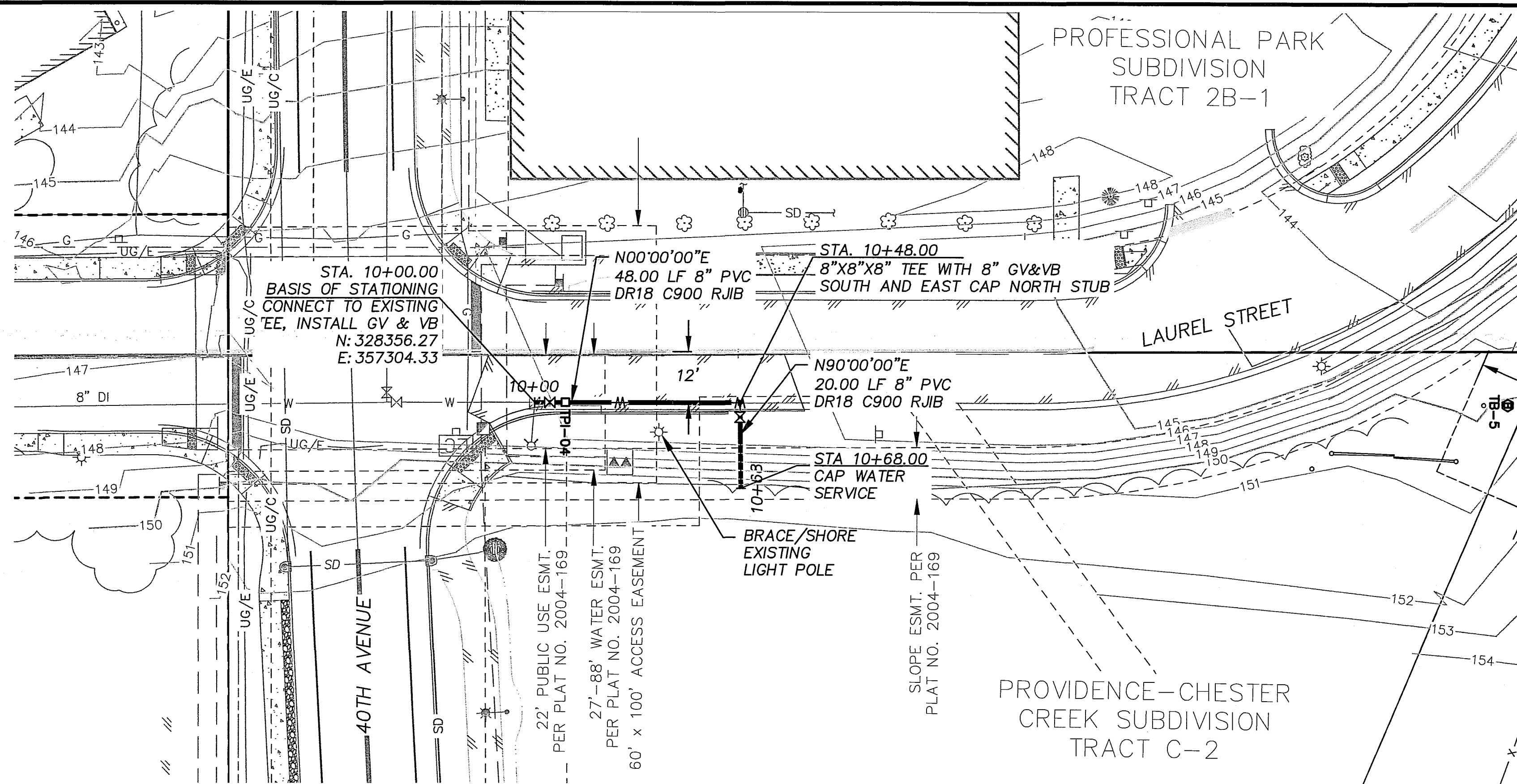
**ADDRESS**  
4041 B STREET  
ANCHORAGE, AK 99503

**PHONE**  
907-562-2000

**CONSULTANT**



MUNICIPALITY OF ANCHORAGE WATER & WASTE WATER UTILITY			
PROVIDENCE - CHESTER CREEK SUBDIVISION TRACT C-2			
<b>DEMOLITION PLAN</b>			
HORZ SCALE: 1"=30'	DATE: JULY 2015	GRID: SW1734	SHEET 4 of 6
AWWU PRIVATE DEVELOPMENT # WS15-008			



**NOTES:**

1. AFTER FLUSHING, TESTING, AND DISINFECTION DRAIN SERVICE AND MAIN TO NEW GV&VB JUST NORTH OF THE HYDRANT.

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APPROVED FOR CONSTRUCTION

By Anchorage Water & Wastewater Utility

Date: 9/17/15

*[Signature]*

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0" = 1" IF BAR IS NOT ONE INCH, ADJUST DRAWING SCALE ACCORDINGLY.

FULL SIZE SCALE  
HORZ SCALE: 1"=20'  
VERT SCALE: 1"=5'

DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY	REV	DATE	DESCRIPTION	BY
BASE	----	----	TELEPHONE	----	----				
TOPOGRAPHY	----	----	ELECTRIC	----	----				
PROFILE	----	----	CABLE TV	----	----				
SANITARY SEWER	----	----	TRAFFIC SIGNAL	----	----				
STORM SEWER	----	----	DESIGN	----	----				
WATER	----	----	QUANTITIES	----	----				
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PLAN CHECK									
REVISIONS									

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BY: \_\_\_\_\_ TITLE: XXXXX  
DATE: 00/00/00

2. DATA TRANSFERRED BY: XXXXX  
COMPANY: XXXXX  
DATE: 00/00/00

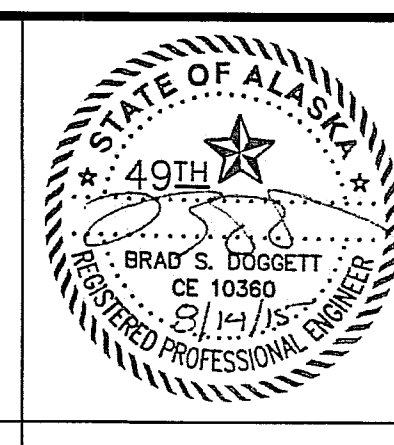
3. Based on periodic field observations by the Engineer (or an individual under his/her direct supervision), the Contractor-provided data appears to represent the project as constructed.  
DATA TRANSFER CHECKED BY: XXXXX  
COMPANY: XXXXX  
BY: \_\_\_\_\_ TITLE: XXXXX  
DATE: 00/00/00

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4041 B STREET  
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907-562-2000  
CONSULTANT



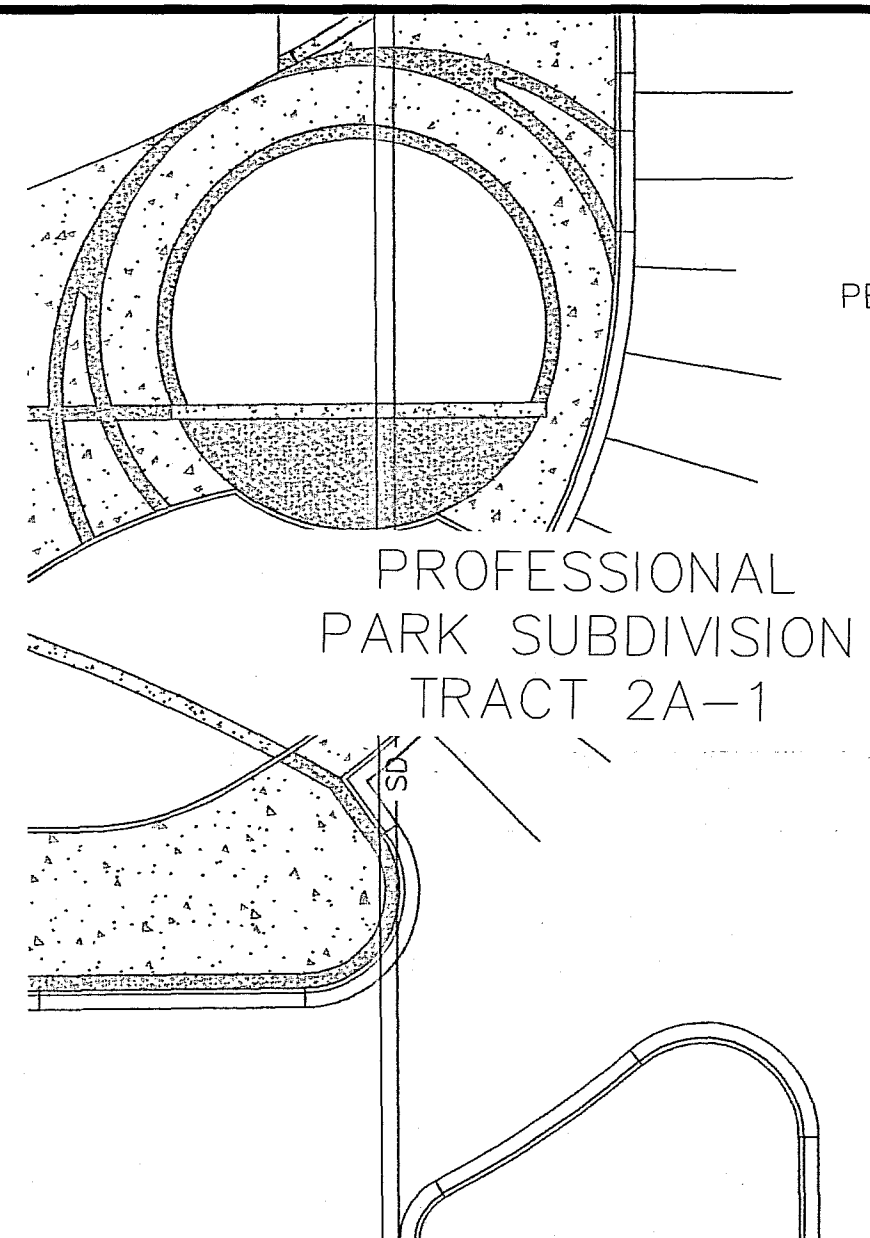
MUNICIPALITY OF ANCHORAGE WATER & WASTE WATER UTILITY

PROVIDENCE - CHESTER CREEK SUBDIVISION TRACT C-2

**WATER PLAN AND PROFILE**

HORZ SCALE: 1"=20' DATE: JULY 2015 GRID: SW1734  
VERT SCALE: 1"=5' SHEET 5 of 6

AWWU PRIVATE DEVELOPMENT #: WS15-008



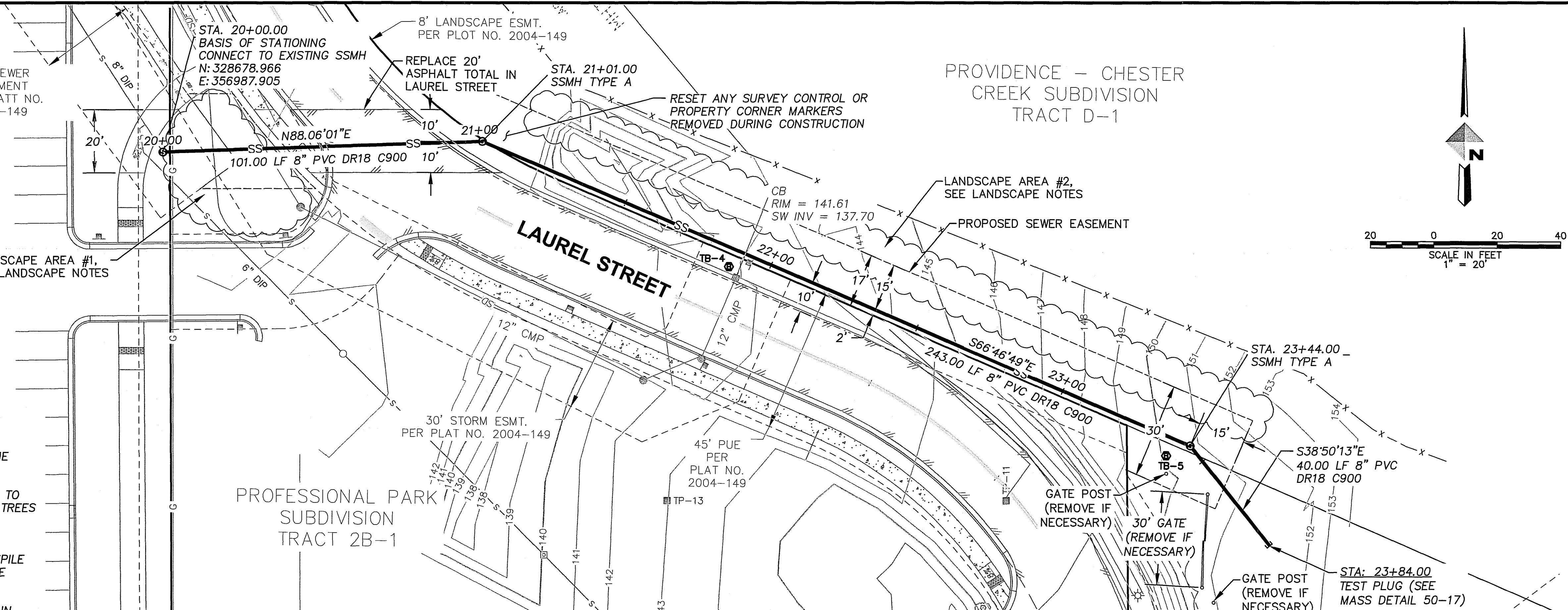
30' SEWER EASEMENT PER PLATT NO. 2004-149

PROFESSIONAL PARK SUBDIVISION TRACT 2A-1

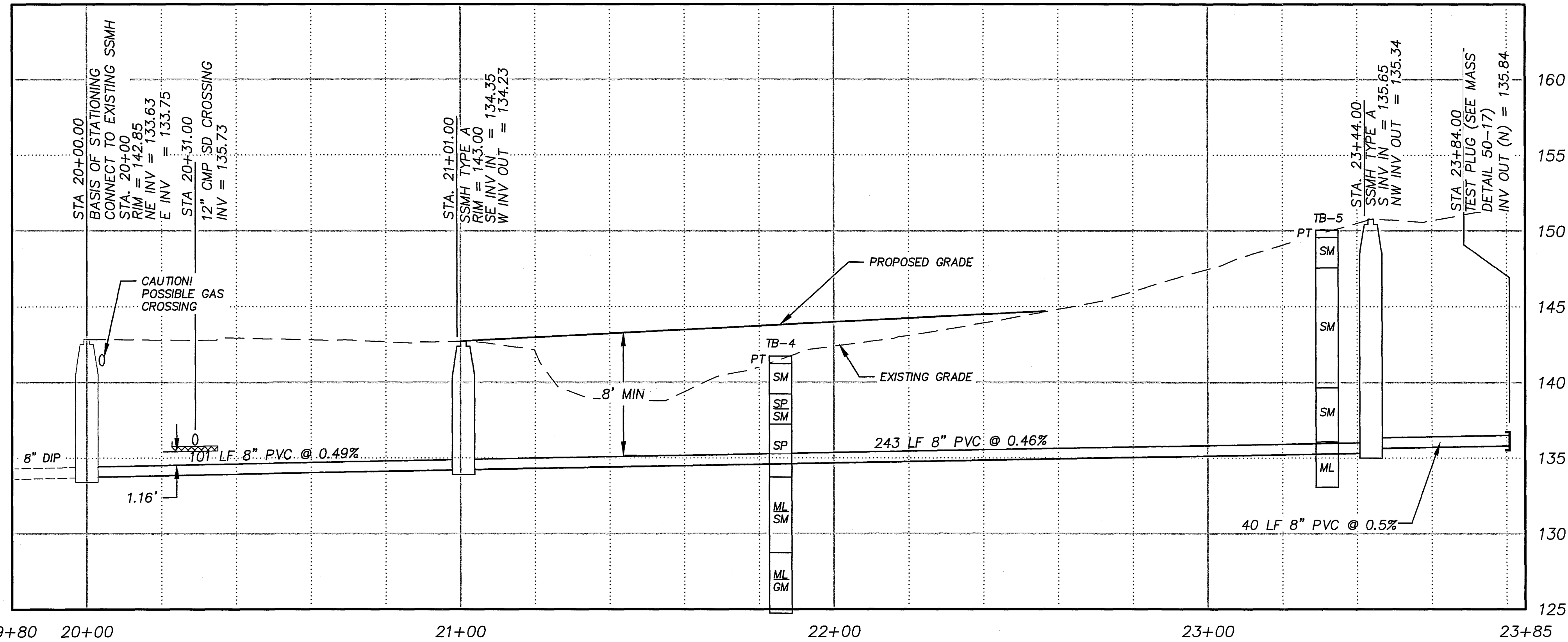
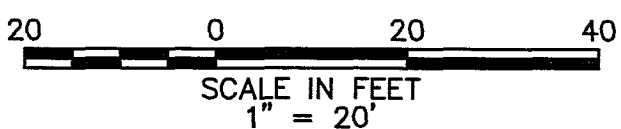
LANDSCAPE AREA #1, SEE LANDSCAPE NOTES

**LANDSCAPE NOTES:**

1. CLEAR ALL TREES SHRUBS WITHIN 10 FEET OF THE NEW SEWER PIPE.
2. IN LANDSCAPE AREA #2, MINIMIZE TRENCH WIDTH TO THE EXTENT PRACTICAL TO PRESERVE ROOTS OF TREES OUTSIDE THE 10 FOOT CLEAR ZONE. GRIND THE STUMPS TO THE FINISH GRADE IF THE STUMP IS LOCATED WITHIN THE 10 FOOT CLEAR AREA BUT OUTSIDE THE TRENCH EXCAVATION. DO NOT STOCKPILE OR STAGE ANY MATERIALS OR EQUIPMENT ON THE MCLAUGHLIN YOUTH CENTER SIDE OF TRENCH.
3. MAINTAIN EXISTING CLEARING BETWEEN MCLAUGHLIN SECURITY FENCE AND EXISTING VEGETATION.
4. ESTIMATED LANDSCAPE REQUIREMENTS:  
 AREA #1 1 PRUNUS VIRGINIANA, 2-INCH CALIPER  
 10 ROSA RUGOSA, 24 INCH TOPSOIL AND SOD AS REQUIRED TO REPAIR DAMAGED TURF AREA.  
 AREA #2 30 BIRCH TREES (1-1/2 CALIPER)  
 25 WHITE SPRUCE (48-INCH MINIMUM)
5. CONTRACTOR SHALL PROVIDE A ONE-YEAR MAINTENANCE AGREEMENT FOR ESTABLISHMENT OF NEW PLANT MATERIAL. AGREEMENT SHALL INCLUDE WEEKLY WATERING FROM THE DATE OF PLANTING THROUGH THE SAME DATE OF THE FOLLOWING YEAR. WINTER SHUT-DOWN FOR WATERING SHALL OCCUR FROM OCTOBER 15 THROUGH MAY 15 OF THE FOLLOWING YEAR. WATERING SHALL CONSIST OF DEEP WATERING EACH PLANT, SUCH THAT WATER PENETRATES WELL INTO EACH ROOTBALL. WATERING MAY BE SUSPENDED FOR WEEKS IN WHICH TOTAL RAINFALL IS GREATER THAN 1/2-INCH. AT THE END OF THE ONE YEAR MAINTENANCE AGREEMENT, NEW LANDSCAPE MATERIALS WILL BE INSPECTED FOR HEALTH. PLANT MATERIALS THAT ARE DEAD OR SHOWING SERIOUS SIGNS OF STRESS, TO INCLUDE BROWN PATCHES ON THE WHITE SPRUCE OR LOSS OF LEAVES ON BIRCH TREES SHALL BE REPLACED WITH NEW MATERIALS OF THE SAME CALIPER OR HEIGHT.
6. DO NOT PLANT TREES WITHIN 10 FEET OF THE NEW SEWER PIPE.
7. PROVIDE PLANTING PLAN FOR REVIEW AND APPROVAL TO ENGINEER PRIOR TO PLANTING.
8. CONTRACTOR MAY COORDINATE STAGING OF MATERIALS AND EQUIPMENT ON TRACT C-2 WITH BRYAN YACKEL, PROJECT MANAGER, TRUST LAND OFFICE, 269-7927.



PROVIDENCE - CHESTER CREEK SUBDIVISION TRACT D-1



BASED UPON AWWU'S INTERPRETATION OF THE DESIGN ENGINEER'S INTENT, THIS PLAN APPROVAL IS TO ENSURE THAT THE PLAN WERE DESIGNED TO AWWU'S STANDARDS AND THE SIGNEE IS NOT LIABLE FOR ANY ERRORS OR OMISSIONS.  
**APPROVED FOR CONSTRUCTION**  
 By Anchorage Water and Wastewater Utility  
 Date: 8/17/15

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BASE									
TOPOGRAPHY									
PROFILE									
SANITARY SEWER									
STORM SEWER									
WATER									
GAS									
PLAN CHECK					REVISIONS				

**RECORD DRAWING** Note: To be filled out on original drawings upon project completion.

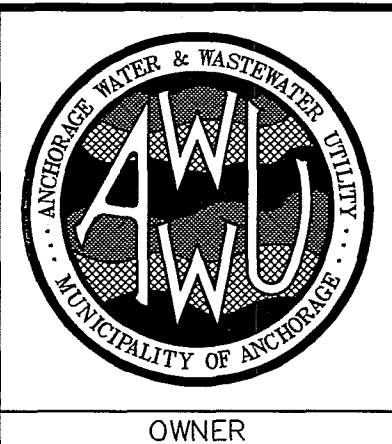
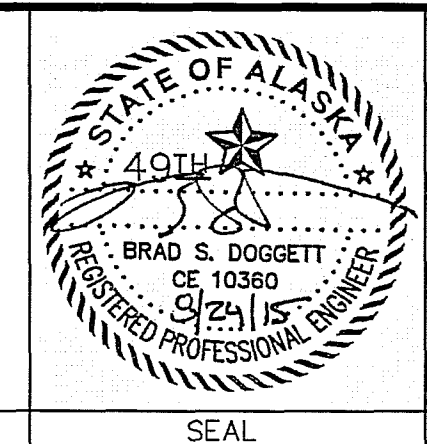
1. DATA PROVIDED BY: XXXXX  
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 CONTRACTOR: XXXXX  
 BY: \_\_\_\_\_ TITLE: XXXXX  
 DATE: 00/00/00

2. DATA TRANSFERRED BY: XXXXX  
 COMPANY: XXXXX  
 DATE: 00/00/00

3. Based on periodic field observations by the Engineer (or an individual under his/her direct supervision), the Contractor-provided data appears to represent the project as constructed.  
 DATA TRANSFER CHECKED BY: XXXXX  
 COMPANY: XXXXX  
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**COMPANY NAME/LOGO**  
 DOWL  
 ADDRESS  
 4041 B STREET  
 ANCHORAGE, AK 99503  
 PHONE  
 907-562-2000  
 CONSULTANT



MUNICIPALITY OF ANCHORAGE WATER & WASTE WATER UTILITY  
 PROVIDENCE - CHESTER CREEK SUBDIVISION TRACT C-2  
**SANITARY SEWER PLAN AND PROFILE**  
 HORZ SCALE: 1"=20' DATE: JULY 2015 GRID: SW1734  
 VERT SCALE: 1"=5'  
 AWWU PRIVATE DEVELOPMENT #: WS15-008 SHEET 6 of 6