

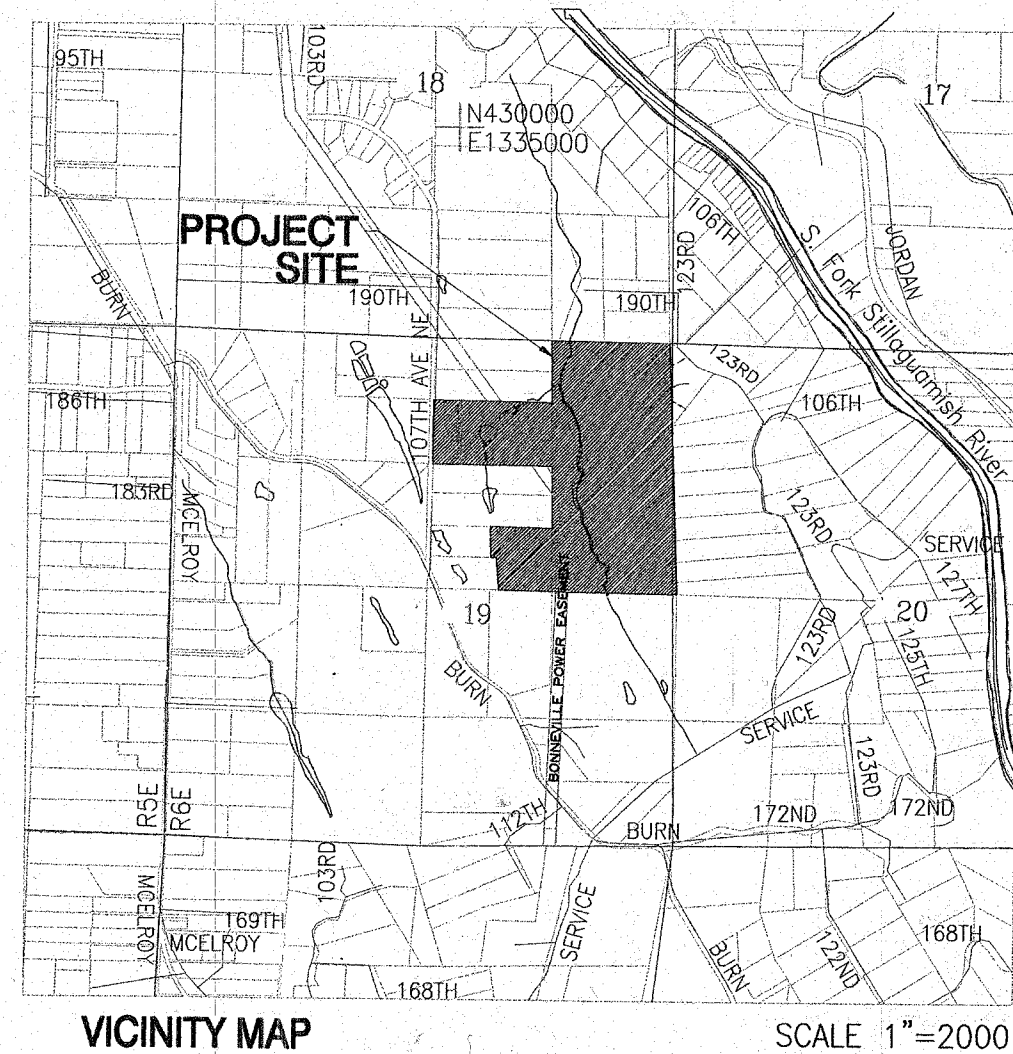
SITE WATER PLAN
FOR
EAGLE SPRINGS - PHASE I

RURAL CLUSTER SUBDIVISION
107TH AVENUE NE & 184TH STREET NE
ARLINGTON, WASHINGTON
CITY OF ARLINGTON PROJECT NO. PWD 20070002

**CITY OF ARLINGTON
GENERAL CONSTRUCTION NOTES:**

CITY OF ARLINGTON
GENERAL CONSTRUCTION NOTES:

- ALL WORK SHALL CONFORM TO THE CURRENT EDITION OF CITY OF ARLINGTON STANDARDS AND SPECIFICATIONS, AND THE CURRENT EDITION OF THE STATE OF WASHINGTON STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (WSDOT). A COPY OF THESE DOCUMENTS SHALL BE ON SITE DURING CONSTRUCTION.
- A COPY OF THE APPROVED PLANS MUST BE ON SITE WHENEVER CONSTRUCTION IS IN PROGRESS. IF THE APPROVED PLANS ARE NOT PRESENT IT MAY RESULT IN A STOP WORK ORDER UNTIL A COPY OF THE APPROVED PLANS ARE PRESENT ON SITE.
- THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR WORK WITHIN THE PUBLIC RIGHT OF WAY.
- PRIOR TO ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL SCHEDULE AND ATTEND A PRECONSTRUCTION CONFERENCE WITH THE CITY OF ARLINGTON.
- PAVED SURFACES INCLUDING ROADWAYS, SIDEWALK, AND CURBS THAT ARE DAMAGED BY NEW CONSTRUCTION SHALL BE REPAIRED OR REPLACED AS REQUIRED BY THE CITY INSPECTOR.
- CITY OF ARLINGTON HORIZONTAL DATUM SHALL BE NAD 83, AND THE VERTICAL DATUM SHALL BE NAVD 88, IN WASHINGTON STATE PLANE COORDINATES.
- ALL SURVEYING AND STAKING OF IMPROVEMENTS IN THE PUBLIC RIGHT OF WAY SHALL BE PROVIDED BY A LICENSED SURVEYOR AT THE OWNER'S EXPENSE.
- THE CONTRACTOR SHALL NOTIFY THE CITY FIRE DEPARTMENT ADMINISTRATION OFFICE (360-403-3600) TWENTY-FOUR (24) HOURS IN ADVANCE OF ANY WATER SERVICE INTERRUPTIONS, AND HYDRANT SHUTOFFS. THE CONSTRUCTION SHALL ALSO NOTIFY THE FIRE DEPARTMENT OFFICE OF ALL NEW, RELOCATED, OR ELIMINATED HYDRANTS RESULTING FROM THE WORK.
- ALL LOCATIONS OF EXISTING UTILITIES SHOWN HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHALL THEREFORE BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS.
- THE CONTRACTOR SHALL LOCATE AND PROTECT ALL CASTINGS AND UTILITIES DURING CONSTRUCTION AND SHALL CONTACT THE UNDERGROUND UTILITIES LOCATOR SERVICE (1-800-424-5555) AT LEAST 2 BUSINESS DAYS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL ADJUST ALL EXISTING MANHOLE RIMS, DRAINAGE STRUCTURES VALVE BOXES, AND UTILITY ACCESS STRUCTURES TO FINISH GRADE WITHIN AREAS AFFECTED BY THE PROPOSED IMPROVEMENTS.
- THE CONTRACTOR SHALL PROVIDE FOR ALL COMPACTION TESTS REQUIRED BY THE CITY INSPECTOR.
- BACKFILL MATERIAL USED IN PUBLIC RIGHT-OF-WAY SHALL MEET STANDARD SPECIFICATIONS AND SHALL BE APPROVED BY THE CITY INSPECTOR.
- INSPECTION AND ACCEPTANCE OF ALL WORK IN STREET RIGHT-OF-WAY WILL BE ACCOMPLISHED BY REPRESENTATIVES OF THE CITY OF ARLINGTON. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND SCHEDULE APPROPRIATE INSPECTIONS, ALLOWING PROPER ADVANCE NOTICE. THE INSPECTOR MAY REQUIRE REMOVAL AND REPLACEMENT OF ITEMS THAT DO NOT MEET CITY STANDARDS OR THAT WERE CONSTRUCTED WITHOUT INSPECTION.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY SEDIMENTATION COLLECTION FACILITIES TO INSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE NATURAL OR PUBLIC DRAINAGE SYSTEM. AS CONSTRUCTION PROGRESSES AND UNEXPECTED (SEASONAL) CONDITIONS DICTATE, MORE SILTATION CONTROL FACILITIES MAY BE REQUIRED TO INSURE COMPLETE SILTATION CONTROL OF THE PROJECT. THEREFORE, DURING THE COURSE OF CONSTRUCTION IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES THAT MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES.
- THE CONTRACTOR SHALL KEEP OFF-SITE STREETS CLEAN AT ALL TIMES BY SWEEPING. WASHING OF THESE STREETS WILL NOT BE ALLOWED WITHOUT PRIOR APPROVAL FROM THE CITY INSPECTOR.
- ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE MUTCD. A TRAFFIC CONTROL PLAN WILL BE REQUIRED PRIOR TO ISSUANCE OF RIGHT-OF-WAY PERMIT.
- COORDINATE TRAFFIC SIGN INSTALLATION, MODIFICATION AND REMOVAL WITH CITY OF ARLINGTON MAINTENANCE AND OPERATION DIVISION AT (360) 403-3461. ALL STREET SIGNS AND POSTS ARE TO BE INSTALLED PER CITY STANDARD PLANS AND COMPLY TO MUTCD.
- SPECIAL CARE SHALL BE EXERCISED WHEN EXCAVATING NEAR EXISTING CHARGED WATER MAINS.
- CONTRACTOR SHALL NOTIFY COMMUNITY TRANSIT (CT) SEVEN DAYS IN ADVANCE OF ANY IMPACT TO TRANSIT OPERATIONS. CONTACT CT OPERATIONS SUPERVISOR, DANA OSBORN, AT (425) 348-7191 OR (425) 359-8371.

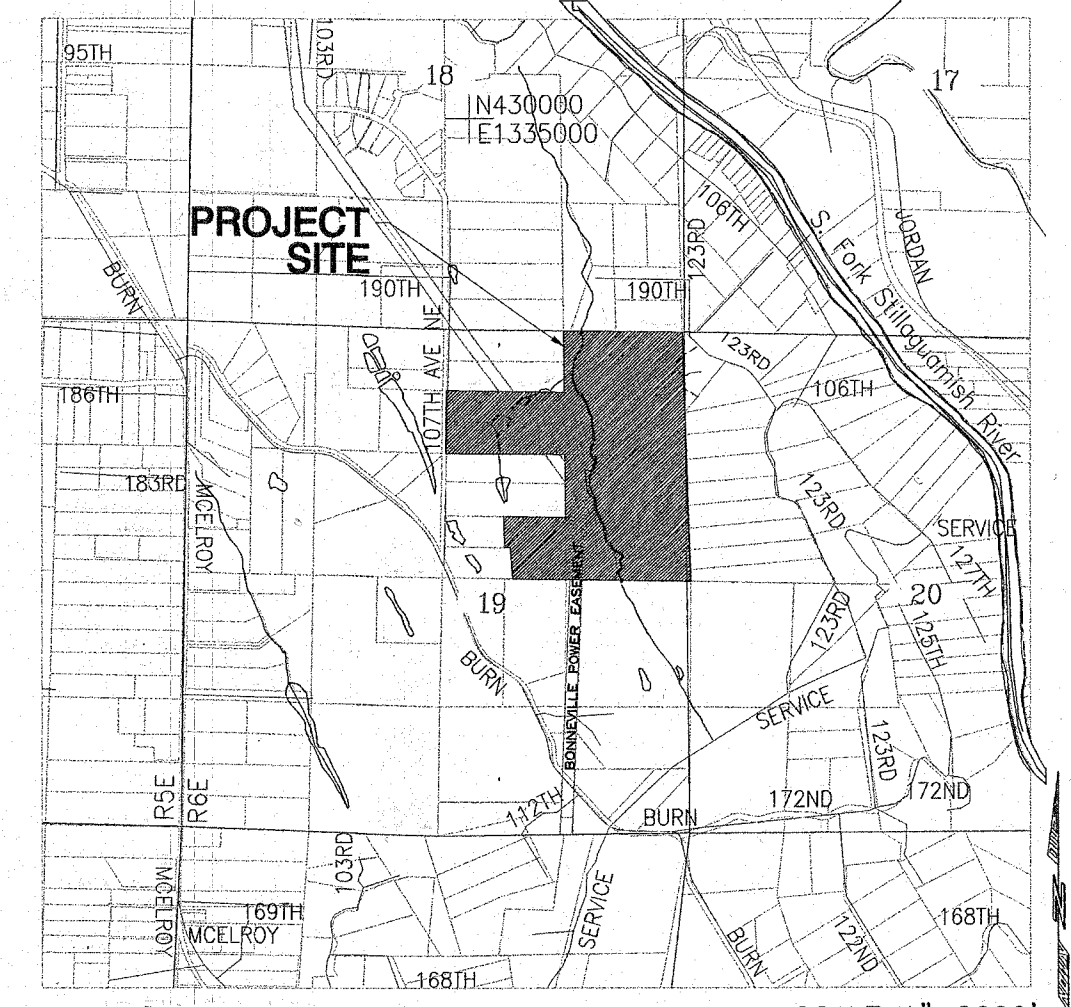


EAGLE SPRINGS - PHASE 1

RURAL CLUSTER SUBDIVISION
107TH AVENUE NE & 184TH STREET NE
ARLINGTON, WASHINGTON

LEGEND

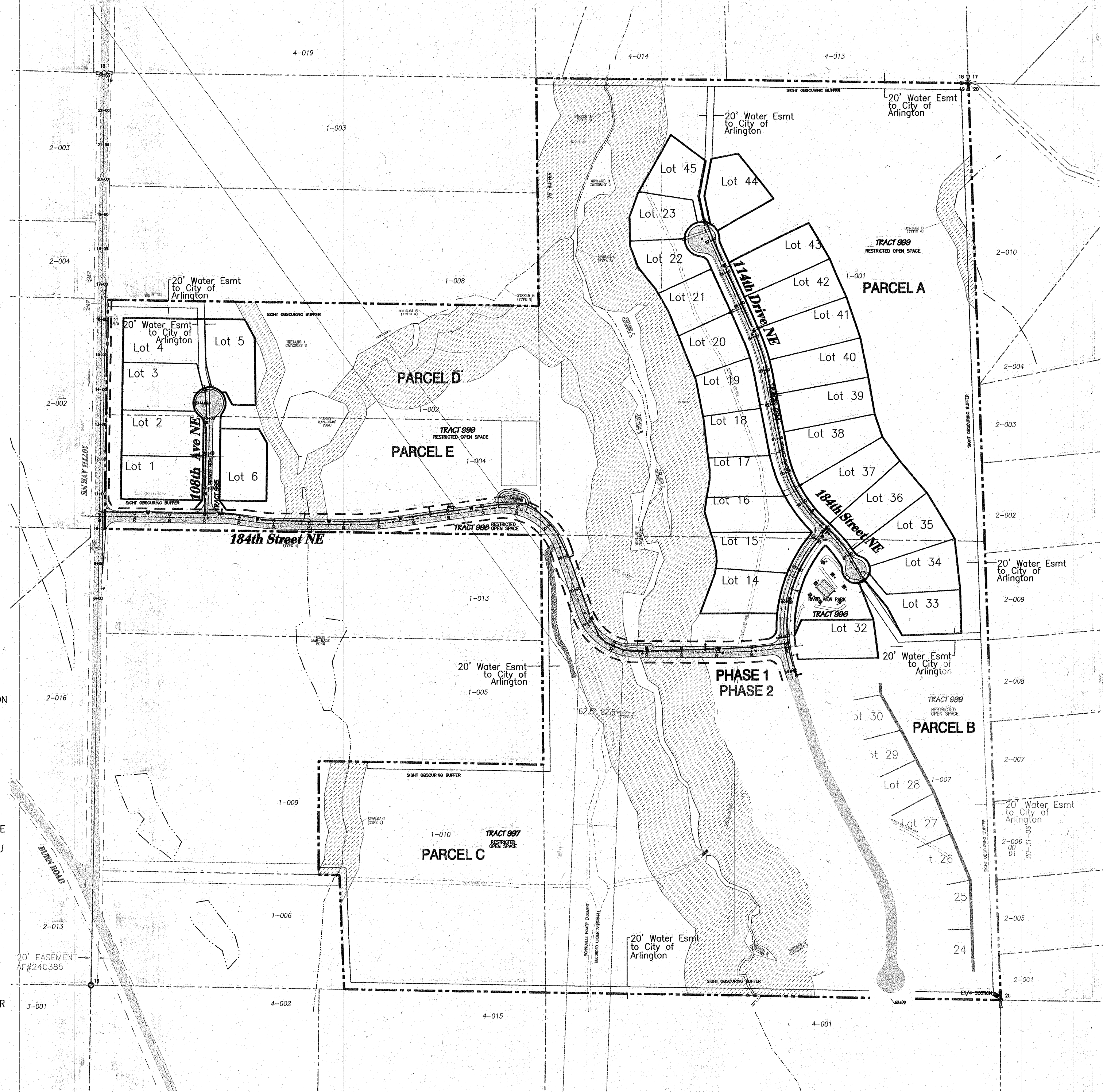
—	PROPERTY LINE	▨	PROPOSED PAVED AREA
- - -	ROAD R/W LINE	▨	SIDEWALK/CONCRETE AREAS
---	TRACT BOUNDARY	○	EXISTING SANITARY SEWER MANHOLE
- - -	EASEMENT	○	PROPOSED SANITARY SEWER MANHOLE
SD	EXISTING STORM DRAIN	●	HYDRANT
SD	PROPOSED STORM DRAIN	⊕	GATE VALVE
W	EXISTING WATER LINE	⊕	FL TEE
W	PROPOSED WATER LINE	⊕	ELL/BEND (11.25, 22.5, 45 DEG)
---	PROPOSED DITCH SWALE LINE	⊕	THRUST BLOCK
---	PROP. WATER METER	⊕	BLOW-OFF VALVE
---	RETAINING BLOCK WALL	⊕	BACKFLOW PREVENTER
▨	EXISTING BUILDING	⊕	NO-FREEZE HOSE BIB ASSEMBLY
▨	EXISTING PAVED AREA		



VICINITY MAP SCALE 1"=2000'

WATER EXTENSION GENERAL NOTES

- WATER PIPE**
 - DUCTILE IRON PIPE SHALL BE NEW, CLASS 52, CEMENT-LINED, CONFORMING TO ANSI STANDARD A21.51 (AWWA C-151).
 - DUCTILE IRON PIPE SHALL BE PUSH-ON JOINT (TYTON JOINT ONLY) OR MECHANICAL JOINT. PIPE WITH PUSH-ON JOINTS SHALL BE FURNISHED WITH A SINGLE RUBBER GASKET. ALL GASKETS, INCLUDING MJ SHALL BE LUBRICATED TO AFFECT THE SEAL. PIPE WITH MECHANICAL JOINTS SHALL BE FURNISHED WITH A MECHANICAL JOINT OF THE STUFFING BOX TYPE, INCLUDING RUBBER GASKET, CAST-IRON GLAND, AND TEE-HEAD BOLTS AND NUTS TO EFFECT SEAL. ALL JOINTS SHALL CONFORM TO ANSI STANDARD A21.11 (AWWA C-111).
 - FLANGED JOINTS SHALL CONFORM TO ANSI STANDARD B16.1.
 - INTERNALLY LOCKED JOINTS SHALL BE IN ACCORDANCE WITH ANSI A21.11 AND EQUAL TO U.S. PIPE TR FLEX OR GRIFFIN "SNAP-LOK".
 - BELL AND SOCKET JOINTS SHALL BE IN ACCORDANCE WITH ANSI A21.10 AND EQUAL TO U.S. PIPE "UNIFLEX".
 - STANDARD THICKNESS CEMENT MORTAR LINING SHALL BE IN ACCORDANCE WITH ANSI STANDARD A21.4 (AWWA C-104).
 - THE CONTRACTOR SHALL FURNISH CERTIFICATION FROM THE MANUFACTURER OF THE PIPE AND GASKET BEING SUPPLIED THAT THE INSPECTION AND ALL OF THE SPECIFIED TEST HAVE BEEN MADE AND THE RESULTS THEREOF COMPLY WITH THE REQUIREMENTS OF THIS STANDARD.
- WATER SERVICE PIPE**
 - DRISCOPIPE CTS CL 200 HI MOL POLY PIPE ALL DIAMETER 1" - 2".
 - LARGE DIAMETER WATER SERVICE PIPE SHALL BE DRISCOPIPE CTS CL 200 HI MOL POLY PIPE (200psi). DRISCOPIPE SHALL CONFORM TO ASTM D-2737-SDR9 (PE3408). CTS 110 SS LINERS FOR POLYPIPE SHALL BE USED.
 - WATER SERVICES 1 1/2" TO 4" IN SIZE REQUIRE A MAINLINE SIZE TEE WITH 6" FLANGE AND 6" R.S.G.V. WITH ADAPTER TO SERVICE SIZE.
- DUCTILE IRON FITTINGS**
 - DUCTILE IRON FITTINGS SHALL BE SHORT BODY FOR PRESSURE RATING OF 250 PSI, UNLESS OTHERWISE NOTED. METAL THICKNESS AND MANUFACTURING PROCESS SHALL CONFORM TO APPLICABLE PORTIONS OF ANSI STANDARD A21.10, A21.11, A21.12, A21.13, A21.14, A21.15, A21.16, A21.17, A21.18, A21.19, A21.20, A21.21, A21.22, A21.23, A21.24, A21.25, A21.26, A21.27, A21.28, A21.29, A21.30, A21.31, A21.32, A21.33, A21.34, A21.35, A21.36, A21.37, A21.38, A21.39, A21.40, A21.41, A21.42, A21.43, A21.44, A21.45, A21.46, A21.47, A21.48, A21.49, A21.50, A21.51, A21.52, A21.53, A21.54, A21.55, A21.56, A21.57, A21.58, A21.59, A21.60, A21.61, A21.62, A21.63, A21.64, A21.65, A21.66, A21.67, A21.68, A21.69, A21.70, A21.71, A21.72, A21.73, A21.74, A21.75, A21.76, A21.77, A21.78, A21.79, A21.80, A21.81, A21.82, A21.83, A21.84, A21.85, A21.86, A21.87, A21.88, A21.89, A21.90, A21.91, A21.92, A21.93, A21.94, A21.95, A21.96, A21.97, A21.98, A21.99, A21.100.
 - STANDARD CEMENT MORTAR LINING IN ACCORDANCE WITH ANSI STANDARD A21.4 (AWWA C-104).
 - RUBBER GASKETS FOR PUSH-ON JOINT (TYTON) OR MECHANICAL JOINT (MJ) IN ACCORDANCE WITH USA STANDARD A21.11 (AWWA C-111).
 - WHERE RESTRAINED JOINTS ARE REQUIRED FITTINGS MAY BE MANUFACTURED WITH U.S. PIPE TR FLEX; GRIFFIN "SNAP-LOK" OF PACIFIC STATES RESTRAINED JOINT. MEGA-LUG RETAINER GLANDS MAY BE USED.
- GATE VALVES, RESILIENT SEAT**
 - VALVES 12" AND SMALLER SHALL CONFORM TO REQUIREMENTS OF AWWA STANDARD SPECIFICATIONS FOR GATE VALVES FOR ORDINARY WATER WORKS SERVICE NO. C-509, EXCEPT AS SUPERSEDED BY THE FOLLOWING: THEY SHALL BE IRON BODY WITH EPOXY COATING INSIDE, RESILIENT SEAT RUBBER VULCANIZED TO GATE, OR S.S. SEAT RING ATTACHED WITH S.S. SCREWS; THE VALVES SHALL BE NON-RISING STEM, OPEN TO THE LEFT, AND SHALL BE EQUIPPED WITH STANDRD 2" SQUARE OPERATING NUTS. VALVES SHALL BE EQUIPPED WITH "O-RING" PACKING. VALVES TO BE EQUAL TO AMERICAN-80 "CRS", WATEROUS SERIES 500 OR MUELLER A-2370. 4-FOOT DEPTH REQUIRES EXTENSION.
- BUTTERFLY VALVES**
 - BUTTERFLY VALVES 14" AND LARGER SHALL BE CLASS 150 OR BETTER, SIMILAR AND EQUAL TO DRESSER "450" OR PRATT "GROUNDHOG" AND SHALL MEET OR EXCEED ALL STRENGTH REQUIREMENTS OF AWWA C-504-70. EXCEPT THAT CERTAIN DEVIATIONS IN THE CONSTRUCTION DETAILS OF VALVE SEATS AND SHAFT SEALS WILL BE CONSIDERED BY THE CITY.
 - VALVE SHAFTS SHALL MEET OR EXCEED THE STRENGTH REQUIREMENTS OF AWWA C-504-70 AND BE ONE-PIECE. PACKING SHALL BE "O-RING" EXCEPT THE CITY MAY REVIEW OTHER TYPES OF PACKING.
 - BUTTERFLY VALVES TO BE INSTALLED UNDERGROUND SHALL HAVE SEALED MECHANICAL OPERATORS AND 2" STANDARD SQUARE OPENING NUTS.
 - THE VALVE OPENING NUT SHALL NOT EXCEED 4 FEET IN DEPTH. AN EXTENSION SHALL BE PROVIDED AS ACQUIRED.
 - COMPLETE MANUFACTURER'S SPECIFICATIONS FOR THE VALVES PROPOSED FOR USE SHALL BE SUBMITTED TO THE CITY.
 - NO VALVES SHALL BE USED WHICH HAVE NOT BEEN APPROVED BY THE CITY.
- VALVE BOXES**
 - VALVE BOXES SHALL BE TWO-PIECE, CAST IRON VALVE BOX WITH ADJUSTABLE SECTIONS EQUAL TO OLYMPIC FOUNDRY PART #VB1. W / DEEP SKIRT LIDS.
- METER BOXES**
 - METER BOXES SHALL BE MID STATES PLASTIC W / DUCTILE IRON LIDS AND 1" HOLE IN LID FOR "TOUCH READ" MOUNT. ALL METER BOXES SHALL BE A MINIMUM OF 3 FEET FROM CURB CUT. FOR 5/8" & 1" METERS USE THE MSBCF 1324-12. FOR 1 1/2" & 2" METERS USE THE MSBCF 1730-18.
- FIRE HYDRANTS**
 - FIRE HYDRANTS SHALL BE M&H 929 RELIANT W / 5 1/4" MVO OR MUELLER SUPER CENTURION 250 W / 5 1/4" MVO ONLY. INSTALL AS PER FIRE HYDRANT ASSEMBLY STANDARD DETAIL W-1.
 - FIRE HYDRANTS SHALL BE FITTED WITH AN APPROVED 5" STORZ TO 4 1/2" NST FEMALE ADAPTER.
 - HYDRANT RUNS FROM 6" VALVE SHALL NOT BE LESS THAN 24" BUT NOT TO EXCEED 18" IF THE HYDRANT RUN IS TO EXCEED THE MAXIMUM IT WILL BE REQUIRED TO INSTALL A RESTRAINT SYSTEM. (GRINNELL 595 SHACKLE CLAMP)
 - ALL FIRE HYDRANTS MUST BE A MINIMUM OF SIX FEET FROM THE OUTSIDE EDGE OF ANY DRIVEWAY APPROACH.
 - FIRE HYDRANTS SHALL BE FITTED WITH BOTH ALL THREAD ROD AND MEGA LUGS. RESTRAINTS SHALL BE USED ON VALVE AND AT THE HYDRANT. (EYE BOLTS TO BE USED ON ALL THREAD ROD BOTH HYDRANT AND VALVE).
 - HYDRANTS ARE TO BE PAINTED BEFORE FINAL INSPECTION. EQUIPMENT YELLOW NO SPRAY CANS.
 - ALL FIRE HYDRANTS THAT ARE INSTALLED DURING CONSTRUCTION SHALL BE BAGGED INDICATING IT TO BE OUT OF SERVICE, UNTIL FINAL APPROVAL BY THE CITY OF ARLINGTON.
 - HYDRANT GUARDS TO BE INSTALLED ON ALL UNPROTECTED HYDRANTS AT THE DISCRETION OF THE CITY OF ARLINGTON. (I.E. TRAFFIC AREAS, NARROW PLANTERS, AND PARKING STALLS ETC).
 - THE DISTANCE BETWEEN THE NEAREST POINT OF THE HYDRANT AND THE TRAFFIC OR FACE OF THE CURB SHALL BE A MINIMUM OF 24".
 - INSTALL BLUE PAVEMENT MARKER IF HYDRANT IS IN RIGHT-OF-WAY.
- DOMESTIC WATER SERVICE**
 - INSTALL A REDUCED PRESSURE BACKFLOW ASSEMBLY (RPBA) IMMEDIATELY AFTER THE WATER METER AND BEFORE ANY BRANCH CONNECTIONS. INSTALL THE RPBA PER CURRENT CITY STANDARD. PROVIDE FREEZE PROTECTION.
 - A DOUBLE CHECK VALVE ASSEMBLY (DCVA) INSTALLED PER CURRENT CITY STANDARD MAY BE PERMITTED IN LIEU OF A RPBA IN CIRCUMSTANCES WHERE THE HEALTH RISK MAY BE MODERATE OR LOW. SUBMIT A REQUEST TO THE CITY OF ARLINGTON CROSS CONNECTION SPECIALIST AT 154 W. COX AVE, ARLINGTON, WA 98223 TO BE CONSIDERED FOR A DCVA IN LIEU OF A RPBA AT THE WATER METER. YOUR REQUEST MUST BE SUBMITTED AND APPROVED PRIOR TO RECEIVING CONSTRUCTION DRAWING APPROVAL BY THE ENGINEERING DEPARTMENT.
- FIRE SPRINKLER SYSTEMS**
 - WITHOUT CHEMICAL ADDITION: INSTALL A DOUBLE CHECK DETECTOR ASSEMBLY (DCDA) IMMEDIATELY AFTER THE WATER MAIN TAP AND BEFORE ANY BRANCH CONNECTIONS. INSTALL THE DCDA PER CURRENT CITY STANDARD.
 - WITH CHEMICAL ADDITION: INSTALL A REDUCED PRESSURE DETECTOR ASSEMBLY (RPDA) IMMEDIATELY AFTER THE WATER MAIN TAP AND BEFORE ANY BRANCH CONNECTIONS. INSTALL THE RPDA PER CURRENCY CITY STANDARD. PROVIDE FREEZE PROTECTION.
- LANDSCAPE IRRIGATION SYSTEMS**
 - WITHOUT CHEMICAL ADDITION: INSTALL A DOUBLE CHECK ASSEMBLY (DCVA) IMMEDIATELY AFTER THE WATER METER AND BEFORE ANY BRANCH CONNECTIONS. INSTALL THE DCVA PER CURRENT CITY STANDARD.
 - WITH CHEMICAL ADDITION: INSTALL A REDUCED PRESSURE BACKFLOW ASSEMBLY (RPBA) IMMEDIATELY AFTER THE WATER MAIN TAP AND BEFORE ANY BRANCH CONNECTIONS. INSTALL THE RPBA PER CURRENT CITY STANDARD. PROVIDE FREEZE PROTECTION.
 - A SEPARATE WATER SERVICE IS REQUIRED FOR ALL LANDSCAPE IRRIGATION SYSTEMS.
- BACKFLOW PREVENTION ASSEMBLIES**
 - MUST APPEAR ON THE STATE OF WASHINGTON DEPARTMENT OF HEALTH LIST OF APPROVED ASSEMBLIES.
 - BE INSTALLED AS ASSEMBLED BY THE FACTORY; NO MODIFICATIONS WILL BE ACCEPTED.
 - BE TESTED BY A CITY OF ARLINGTON APPROVED AND STATE OF WASHINGTON DEPARTMENT OF HEALTH CERTIFIED BACKFLOW ASSEMBLY TESTER. TESTING SHALL OCCUR AT THE OWNER'S EXPENSE. TESTING IS REQUIRED UPON INSTALLATION AND ANNUALLY THEREAFTER.
 - BE INSPECTED BY THE CITY OF ARLINGTON CROSS CONNECTION SPECIALIST AFTER IT HAS BEEN INSTALLED AND TESTED. PROVIDE A COPY OF THE TEST REPORT PRIOR TO CALLING FOR INSPECTION.



WATER PLAN W/ WATER LINES & EASEMENTS

LOT SERVICE WATER PRESSURE

LOCATION	GRND ELEV (ft)	PRESS ZONE (ft)	MAIN PRESS (psi)	PRV REQ'D
Lot 1	469	710	105	Yes
Lot 2	467	710	106	Yes
Lot 3	459	710	109	Yes
Lot 4	459	710	109	Yes
Lot 5	459	710	109	Yes
Lot 6	467	710	106	Yes
Lot 7	461	608	64	-
Lot 8	463	608	63	-
Lot 9	460	608	64	-
Lot 10	455	608	66	-
Lot 11	450	608	69	-
Lot 12	445	608	71	-
Lot 13	439	608	73	-
Lot 14	414	608	84	Yes
Lot 15	413	608	85	Yes
Lot 16	407	608	87	Yes
Lot 17	407	608	87	Yes
Lot 18	398	608	91	Yes
Lot 19	386	608	96	Yes
Lot 20	374	608	102	Yes
Lot 21	364	608	106	Yes
Lot 22	358	608	109	Yes
Lot 23	354	608	111	Yes
Lot 24	462	608	64	-
Lot 25	463	608	63	-
Lot 26	463	608	63	-
Lot 27	460	608	64	-
Lot 28	457	608	66	-
Lot 29	452	608	68	-
Lot 30	446	608	74	-
Lot 31	438	608	74	-
Lot 32	430	608	78	-
Lot 33	405	608	88	Yes
Lot 34	405	608	88	Yes
Lot 35	406	608	88	Yes
Lot 36	406	608	88	Yes
Lot 37	408	608	87	Yes
Lot 38	403	608	89	Yes
Lot 39	394	608	93	Yes
Lot 40	385	608	97	Yes
Lot 41	373	608	102	Yes
Lot 42	365	608	105	Yes
Lot 43	361	608	108	Yes
Lot 44	354	608	110	Yes
Lot 45	354	608	111	Yes
Park Service	354	608	110	Yes

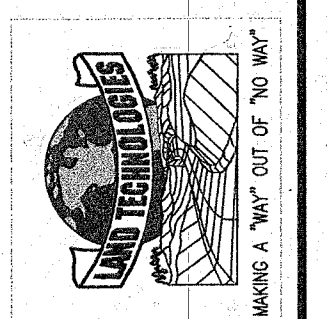
AS-BUILT DRAWING APPROVAL

THIS PLAN SHEET HAS BEEN REVIEWED AND APPROVED PER THE CONDITIONS ON THE TITLE SHEET.

By: *Kelli Hale*
City Engineer, CITY OF ARLINGTON

Date: 09.29.09

LAND TECHNOLOGIES
18820 Third Avenue, N.E.
Arlington, WA 98223
360-652-9727 360-652-3374 Fax
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24 SEP 2009

PROJECT LEAD: Paige
CHECKED BY: --
DATE: 19-SEP-2009
REV: 23-SEP-2007
2114-AUG-2006
2114-AUG-2006

EAGLE SPRINGS - PHASE 1
NE 1/4 SECTION 19, TOWNSHIP 31, RANGE 6E, W.M.

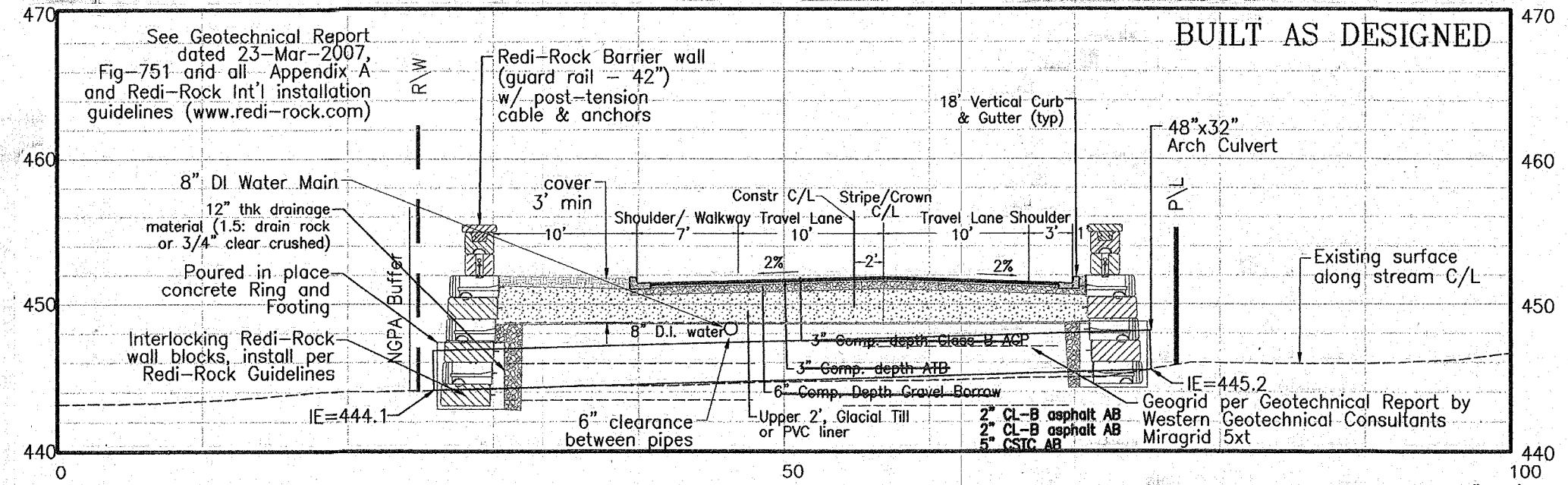
D.W. ARLINGTON, LLC
10257 NE 64th Street, Kirkland, WA 98033

SITE PLAN W/ WATER & EASEMENTS LINES

SHEET
W2 of **W8**

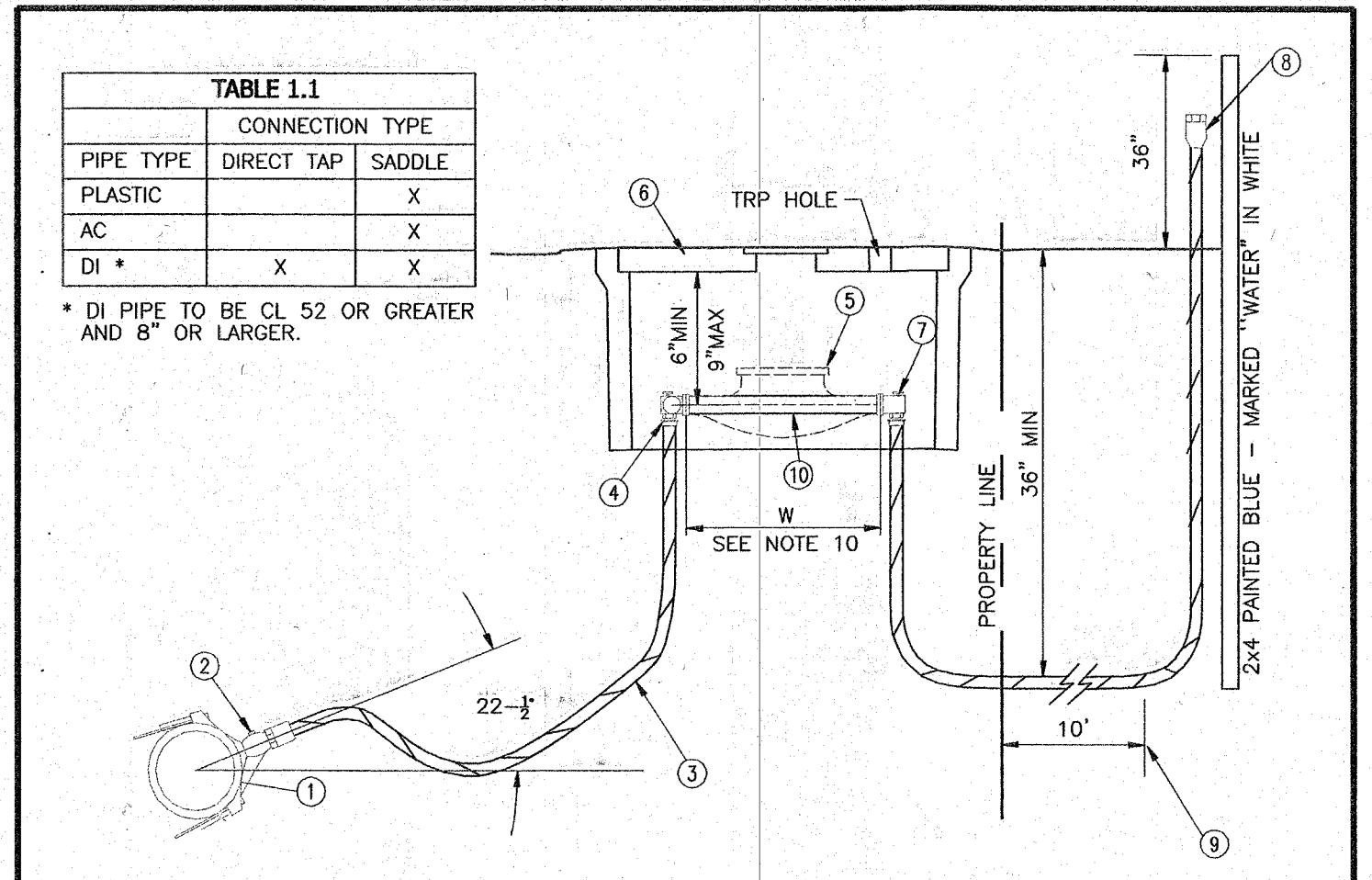
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A PORTION OF SECTION 19, TOWNSHIP 31 NORTH, RANGE 6 EAST, W.M.



STREAM CROSSING 1 - SECTION A1-A1'

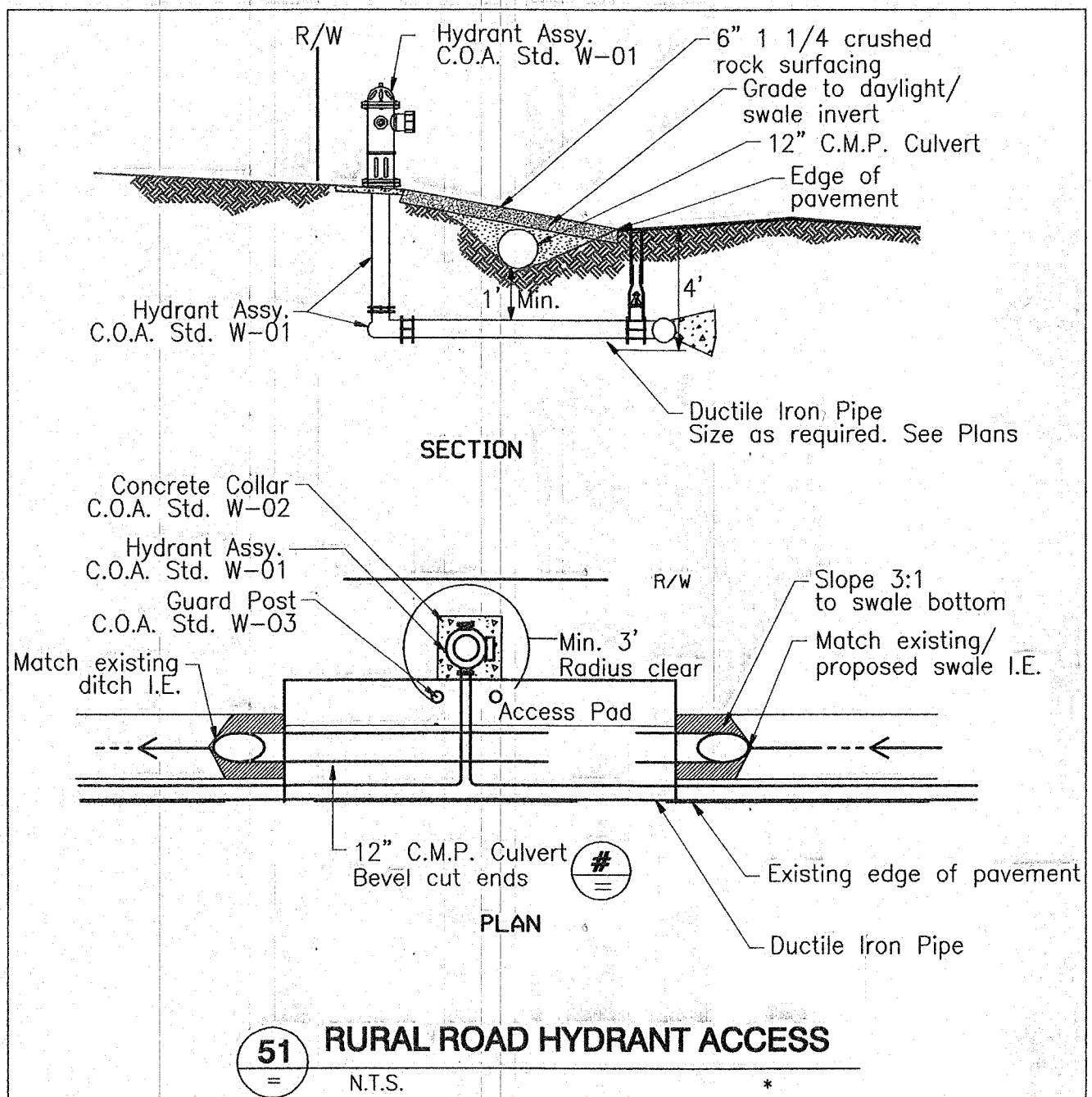
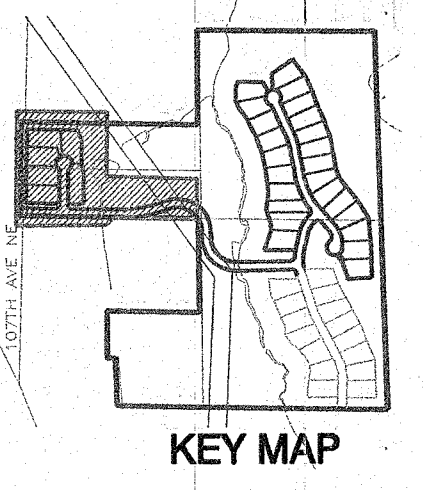
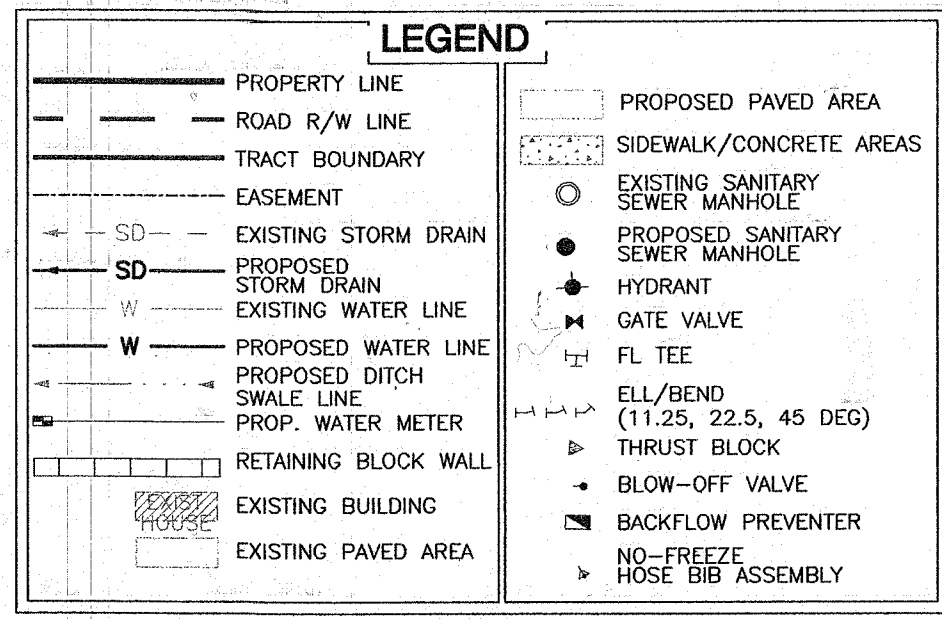
SCALE: horz. 1"=10'
(1:1) Vert. 1"=10'



- NOTES AND MATERIALS:**
- 1" CC SERVICE SADDLE W/DOUBLE STAINLESS STEEL STRAP OR DIRECT TAP CC THREAD CORP SEE TABLE 1.1 ABOVE.
 - 2" BALL VALVE CORPORATE STOP CC X COMPRESSION WITH KEY FACING UP, MUELLER OR FORD ONLY.
 - 1" HDPE CTS CLASS 200 HIGH SERVICE PIPE (200 PSI RATING) WITH STAINLESS STEEL STIFFENER AND 10 GAUGE COATED COPPER TRACER WIRE WRAPPED AROUND THE PIPE AND ATTACHED ON BOTH ENDS.
 - FOR 5/8"x3/4" METER, A 1" COMPRESSION ANGLE METER BALL VALVE x 5/8" METER IS REQUIRED. FOR 1" METER, A 1" COMPRESSION ANGLE METER BALL VALVE x 1" METER IS REQUIRED. BALL VALVES ARE LOCKABLE.
 - METER SHALL BE INSTALLED BY CITY UTILITIES DIVISION AT OWNER'S EXPENSE.
 - METER BOX SHALL BE MIDSTATES PLASTICS 1324-12 W/SOLID DI LID WITH 1 3/4" HOLE FOR TOUCH READ PAD (TRP).
 - 5/8" x 3/4" METERS REQUIRE A 3/4" ANGLE METER CHECK COUPLING x 5/8" METER WITH A 3/4" MIPT x 1" COMPRESSION ADAPTER. 1" METER REQUIRES A 1" ANGLE METER CHECK COUPLING x 1" METER.
 - 1" COMPRESSION x FIPT ADAPTER WITH 1" PLASTIC PLUG.
 - EXTEND SERVICE PIPE 10' BEYOND PROPERTY LINE AND AN ADDITIONAL 5' BEYOND EASEMENT LINE.
 - METER LENGTH BLANK STUB.

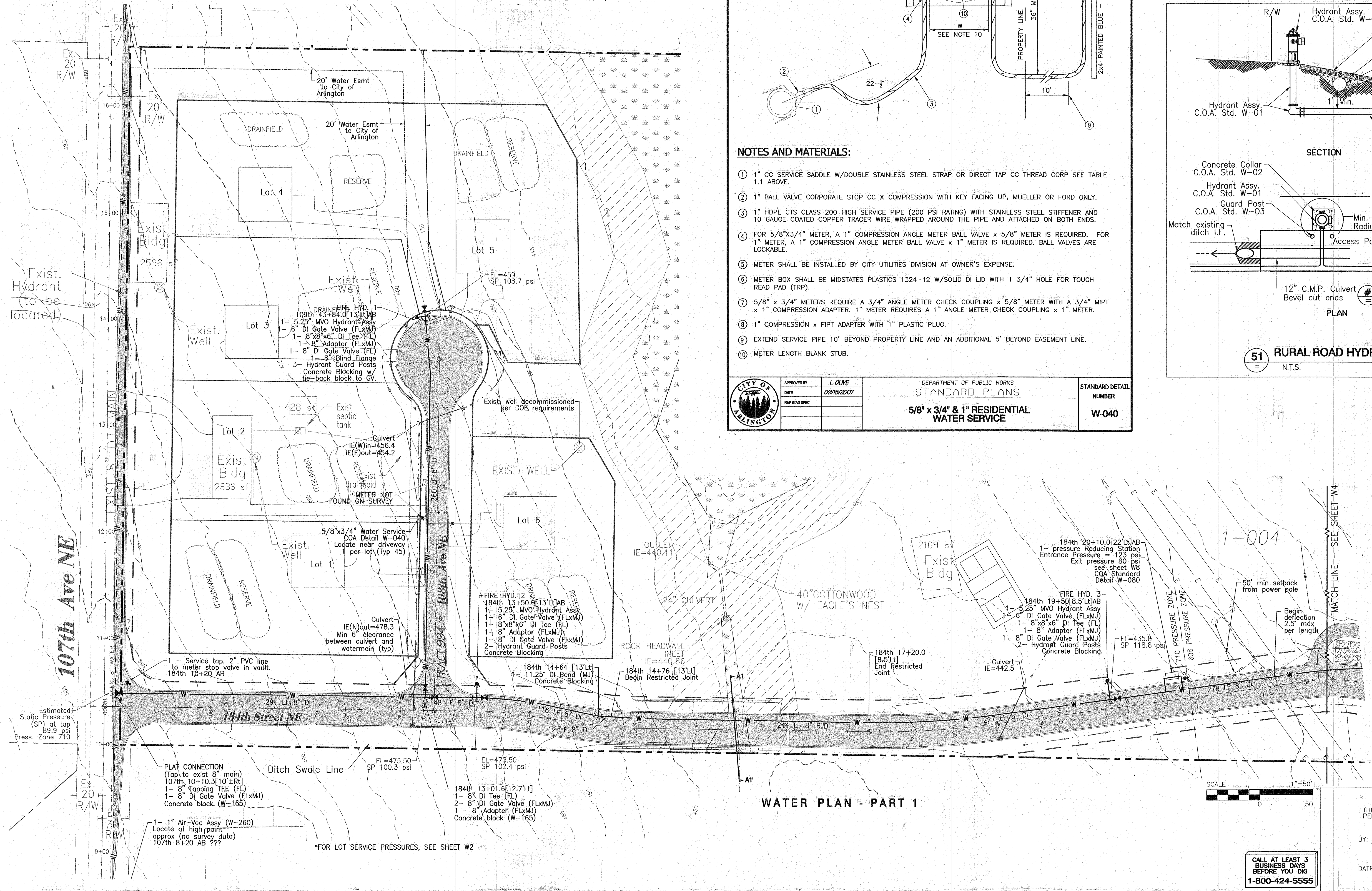
PIPE TYPE	DIRECT TAP	SADDLE
PLASTIC		X
AC		X
DI *	X	X

* DI PIPE TO BE CL 52 OR GREATER AND 8" OR LARGER.



51 RURAL ROAD HYDRANT ACCESS
N.T.S.

- GENERAL NOTES:**
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND CONSTRUCTION MANAGER TO ENSURE THAT ALL CONFLICTS BETWEEN PLAN SETS ARE IDENTIFIED AND RESOLVED PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
 - AIR/VAC RELEASE VALVES ARE REQUIRED AT ALL HIGH POINTS.
 - HYDRANT GUARDS (W-030) AND BLUE PAVEMENT MARKERS (W-015) ARE REQUIRED FOR ALL FIRE HYDRANTS.
 - METERS TO BE SET 12" FROM PROPERTY LINE.
 - BENDS IN MAINLINE PIPING TO HAVE MEGA-LUG FOLLOWERS.
 - DEFLECT PIPE 2.5" WHERE POSSIBLE TO ELIMINATE BENDS.
 - MAINTAIN MIN 6" VERTICAL CLEARANCE BETWEEN CULVERT AND WATERMAIN (TYP).



WATER PLAN - PART 1

CALL AT LEAST 3 BUSINESS DAYS BEFORE YOU DIG
1-800-424-5555

AS-BUILT DRAWING APPROVAL
THIS PLAN SHEET HAS BEEN REVIEWED AND APPROVED PER THE CONDITIONS ON THE TITLE SHEET.
BY: *Kelli D. Hale*
City Engineer, CITY OF ARLINGTON
DATE: 09.29.09

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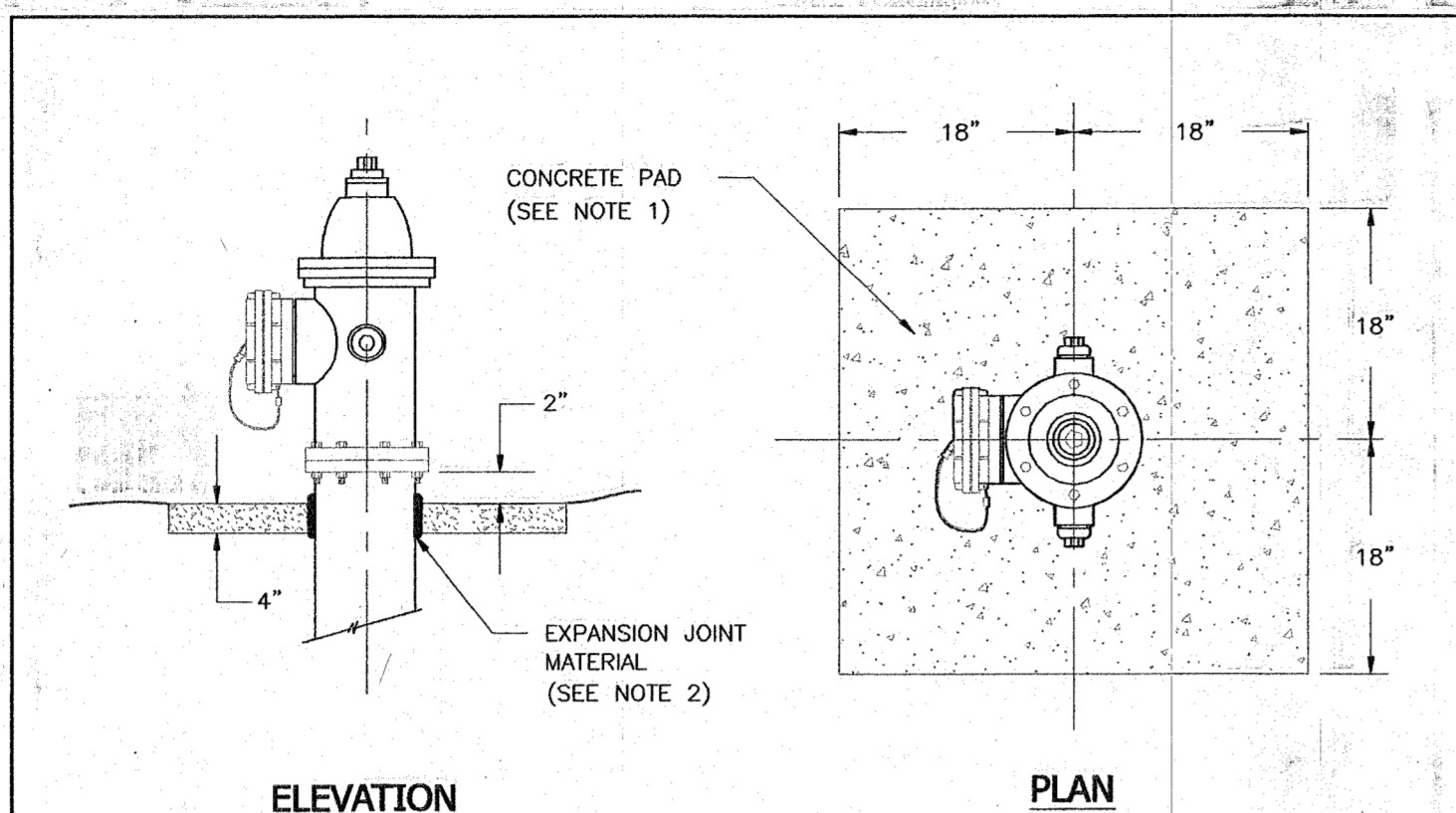
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10257 NE 64th Street, Kirkland, WA 98033

EAGLE SPRINGS - PHASE 1
NE 1/4 SECTION 19, TOWNSHIP 31, RANGE 6E, W.M.

WATER PLAN - PART 1

SHEET
W3 of W8
22x34

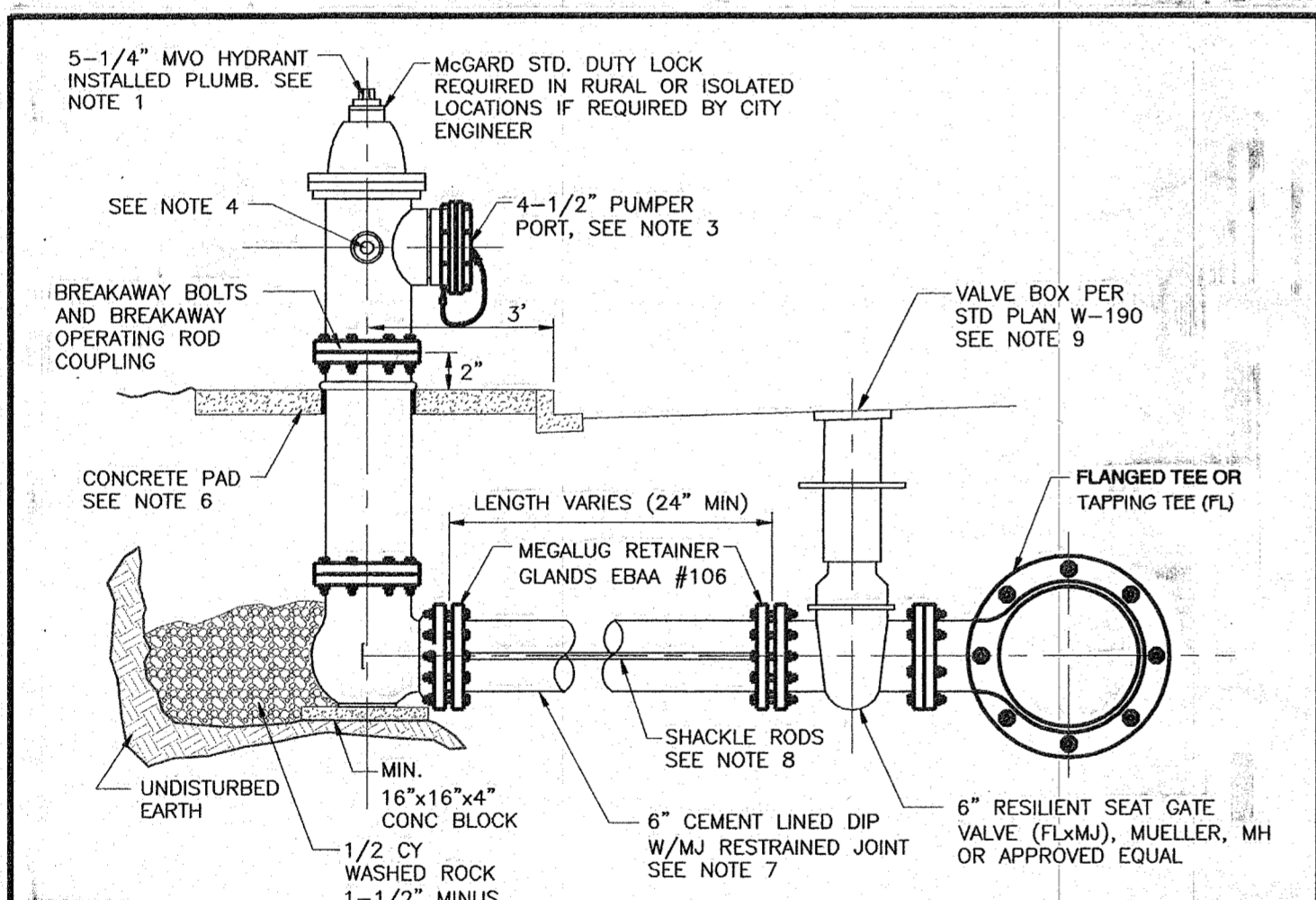
05-129036



NOTES:

1. CONCRETE SHALL BE CLASS 3000 PSI. MIN.
2. INSTALL 1/4" EXPANSION JOINT MATERIAL WITH FULL DEPTH OF CONCRETE PAD AROUND HYDRANT.

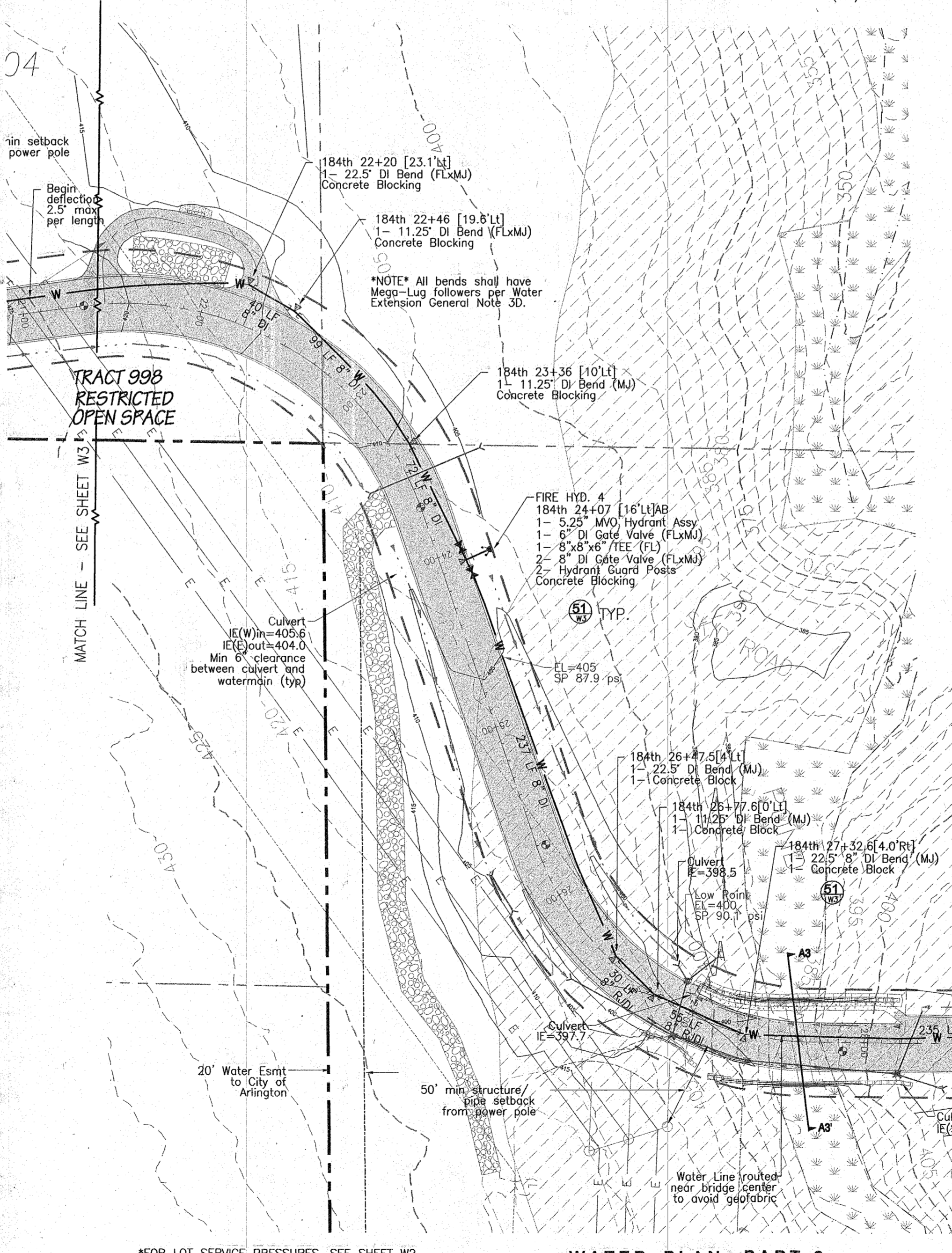
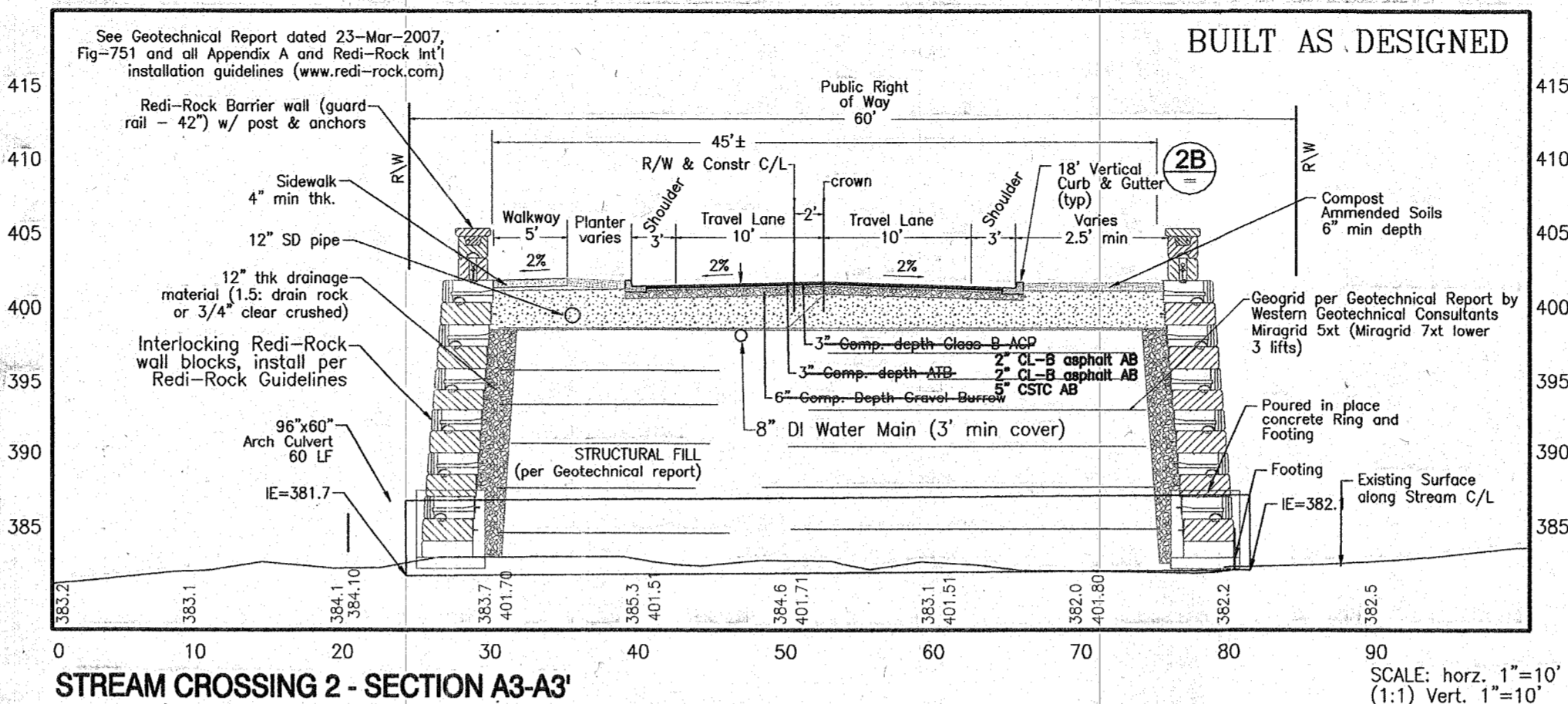
CITY OF ARLINGTON	APPROVED BY	L. OLIVE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
	DATE	09/15/2007	STANDARD PLANS	W-020
FIRE HYDRANT CONCRETE PAD				



NOTES:

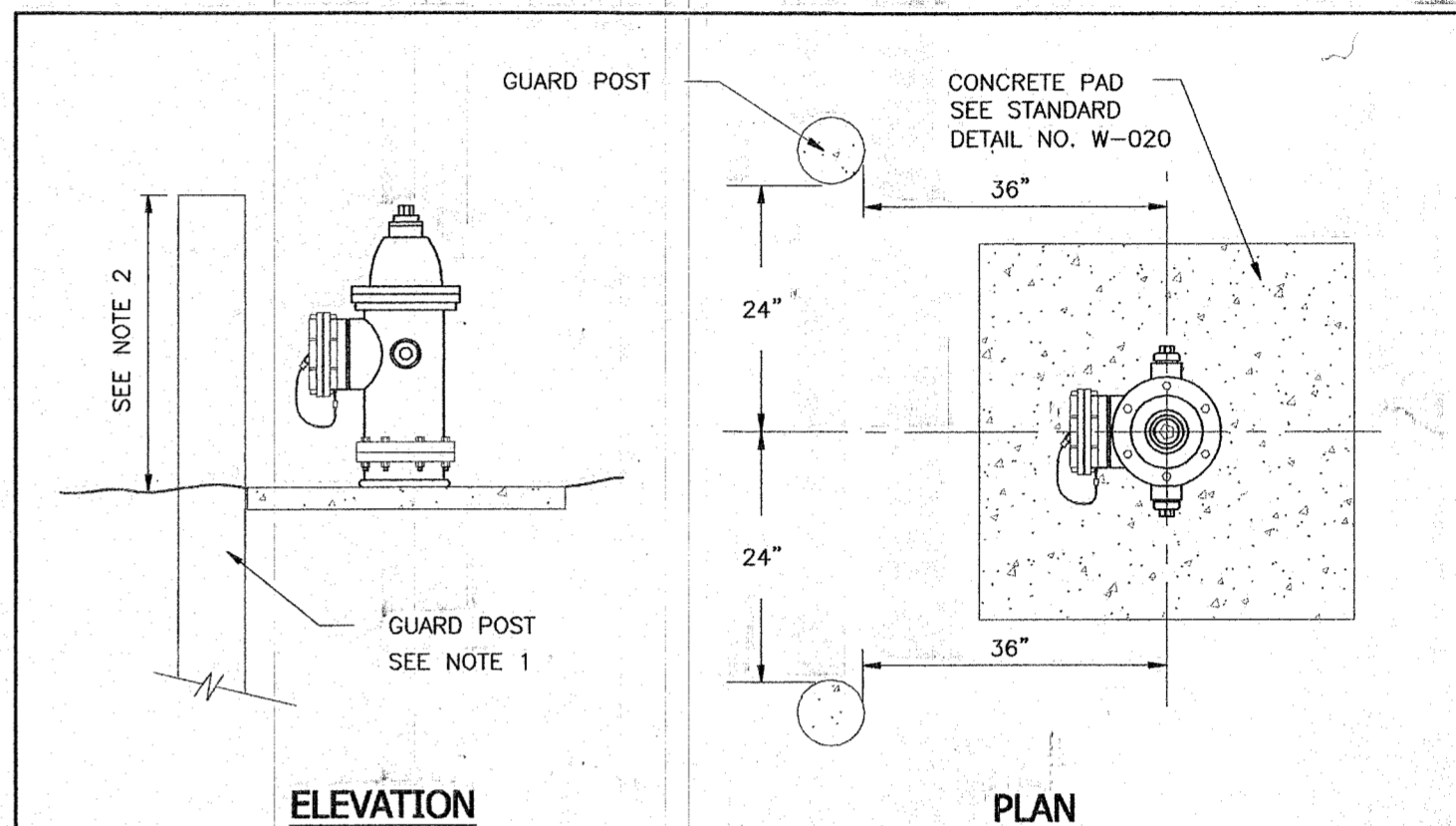
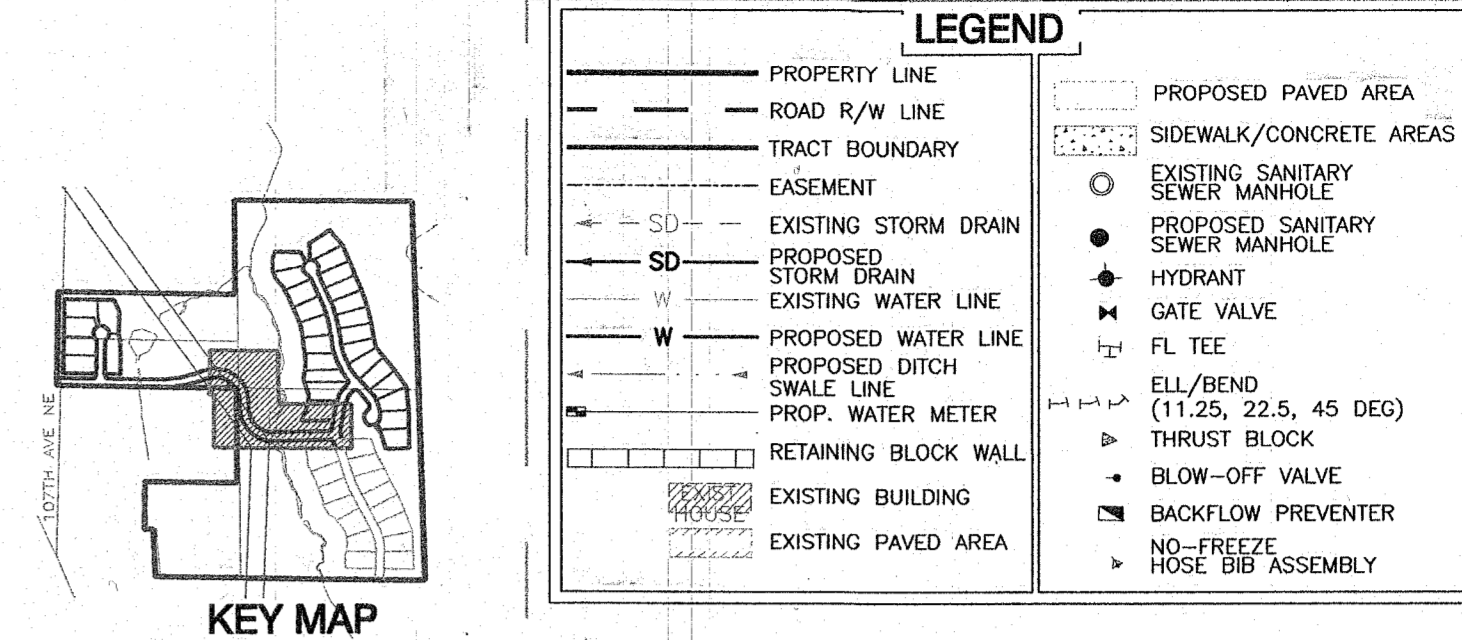
1. HYDRANTS AND ALL MATERIALS SHALL CONFORM TO ANWA STANDARDS AND SHALL BE OF STANDARD MANUFACTURE (M&H 929 RELIANT OR MUELLER SUPER CENTURION 250 ONLY).
2. THE CENTER OF THE HYDRANT SHALL BE 3' FROM FACE OF CURB. IF THERE IS NO CURB, THE CENTER OF HYDRANT SHALL BE 3' FROM RIGHT-OF-WAY AND A MINIMUM OF 5' FROM TRAVELED LANE.
3. ONE 4-1/2" PUMPER PORT W/N.S.T. AND STORZ ADAPTER ASSEMBLY. PUMPER PORT TO BE FACING STREET OR ROADWAY FOR THE FIRE ENGINE ACCESS.
4. TWO 2-1/2" HOSE PORTS W/N.S.T. AND 1-1/4" OPERATING NUTS.
5. PROVIDE GUARD POSTS FOR VEHICULAR TRAFFIC PROTECTION IF REQUIRED BY CITY ENGINEER PER STD. DETAIL W-030.
6. INSTALL 3'x3'x4" CONCRETE PAD (3000 PSI) AROUND HYDRANT IN UNPAVED AREAS INCLUDING PLANTER STRIPS. COMPLETELY SURROUND HYDRANT W/FULL DEPTH OF CONCRETE PAD WITH 1/4" JOINT MATERIAL BEFORE PLACING CONCRETE.
7. HYDRANT RUN TO BE 6" CEMENT LINED DUCTILE IRON PIPE CLASS 52 WITH RESTRAINED JOINTS (MEGALUG OR APPROVED EQUAL). HYDRANT RUN LONGER THAN 50 FEET SHALL BE 8" DIA. OR LARGER.
8. 3/4" GALV. SHACKLE RODS WITH THE EYE BOLTS AT BOTH ENDS REQUIRED FROM VALVE TO HYDRANT.
9. FIRE HYDRANTS SHALL BE PAINTED WITH TWO COATS OF HIGH GLOSS EQUIPMENT YELLOW "RUST-OLEUM" TYPE PAINT.
10. INSTALL 24"x24"x4" CONCRETE PAD (3000 PSI) AROUND VALVE BOX AND 48"x48"x4" FOR MULTIPLE VALVE BOXES IN UNPAVED AREA.

CITY OF ARLINGTON	APPROVED BY	L. OLIVE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
	DATE	09/15/2007	STANDARD PLANS	W-010
FIRE HYDRANT ASSEMBLY				



*FOR LOT SERVICE PRESSURES, SEE SHEET W2

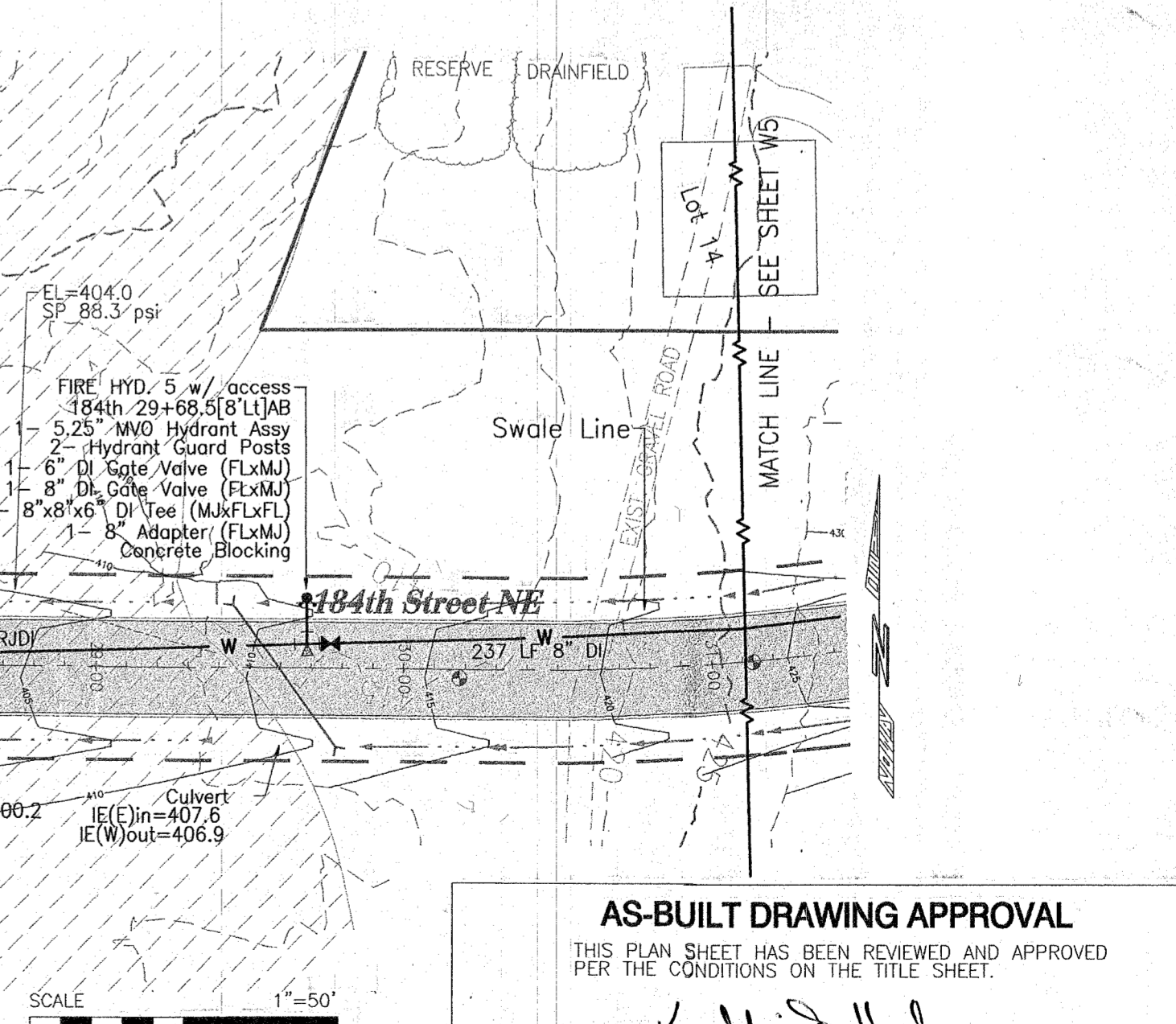
WATER PLAN - PART 2



NOTES:

1. GUARD POSTS SHALL BE 8' LONG, 6" DIAMETER, CONCRETE FILLED CLASS 52 DI. PIPE OR 8" LONG 8" DIAMETER REINFORCED CONCRETE. PAINTED WITH TWO COATS OF HIGH GLOSS CATERPILLAR YELLOW (RUST-OLEUM) TYPE PAINT.
2. TOP OF GUARD POST SHALL BE LEVEL WITH TOP OF OPERATING NUT.

CITY OF ARLINGTON	APPROVED BY	L. OLIVE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
	DATE	09/15/2007	STANDARD PLANS	W-030
FIRE HYDRANT GUARD POST				



AS-BUILT DRAWING APPROVAL

THIS PLAN SHEET HAS BEEN REVIEWED AND APPROVED PER THE CONDITIONS ON THE TITLE SHEET.

By: *Kevin Hale*
City Engineer, CITY OF ARLINGTON

DATE: 09.29.09

LAND TECHNOLOGIES
18820 Third Avenue, N.E.
Arlington, WA 98223
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EAGLE SPRINGS - PHASE 1
NE 1/4 SECTION 19, TOWNSHIP 31, RANGE 6E, W.M.

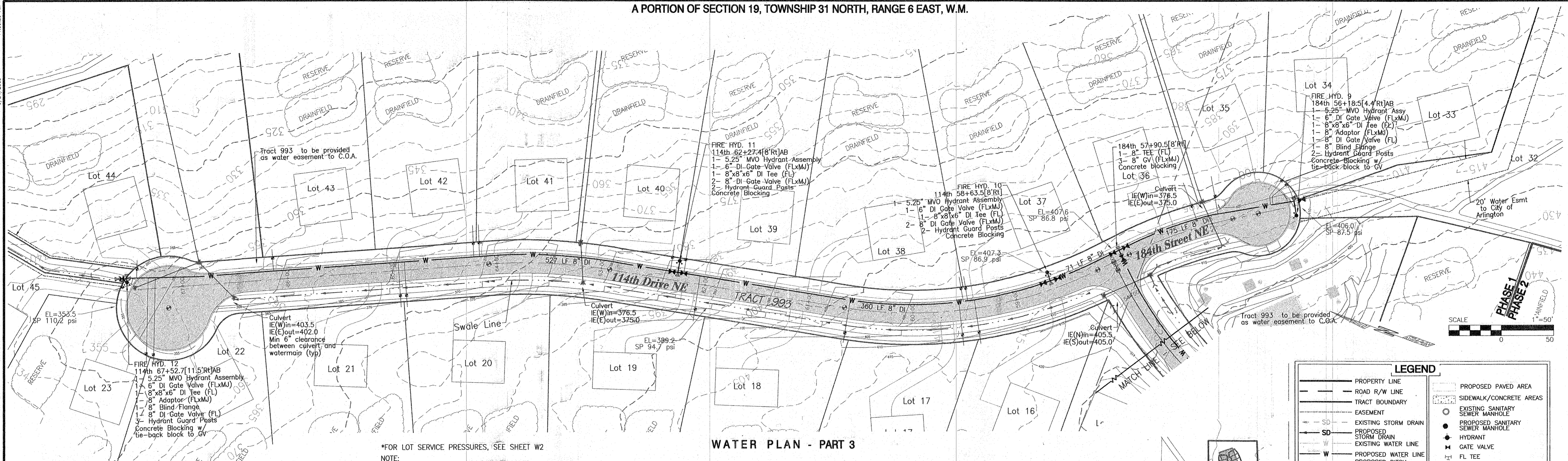
WATER PLAN - PART 2

D.W. ARLINGTON, LLC
10257 NE 64th Street, Kirkland, WA 98033.

SHEET **W4** of **W8**
22x34

05-129036

A PORTION OF SECTION 19, TOWNSHIP 31 NORTH, RANGE 6 EAST, W.M.

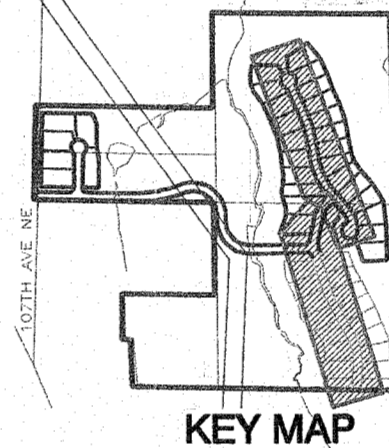


WATER PLAN - PART 3

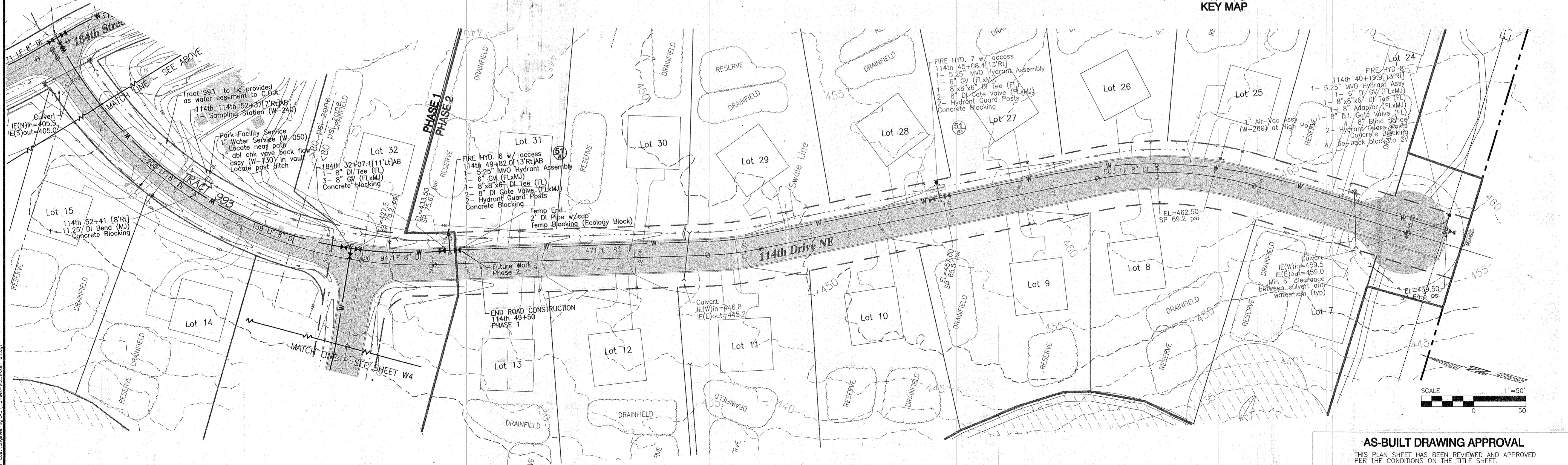
- *FOR LOT SERVICE PRESSURES, SEE SHEET W2
- NOTE:
1. METERS TO BE SET 12" FROM PROPERTY LINE
 2. BENDS IN MAINLINE PIPING TO HAVE MEGA-LUG FOLLOWERS
 3. DEFLECT PIPE 2.5' WHERE POSSIBLE TO ELIMINATE BENDS
 4. MAINTAIN MIN 6" VERTICAL CLEARANCE BETWEEN CULVERT AND WATERMAIN (TYP)

LEGEND

—	PROPERTY LINE	▨	PROPOSED PAVED AREA
—	ROAD R/W LINE	▨	SIDEWALK/CONCRETE AREAS
—	TRACT BOUNDARY	○	EXISTING SANITARY SEWER MANHOLE
—	EASEMENT	○	PROPOSED SANITARY SEWER MANHOLE
SD	EXISTING STORM DRAIN	●	HYDRANT
SD	PROPOSED STORM DRAIN	+	GATE VALVE
W	EXISTING WATER LINE	+	FL TEE
W	PROPOSED WATER LINE	+	ELL/BEND (11.25, 22.5, 45 DEG)
W	PROPOSED DITCH	+	THRUST BLOCK
W	SWALE LINE	+	BLOW-OFF VALVE
W	PROP. WATER METER	+	BACKFLOW PREVENTER
W	RETAINING BLOCK WALL	+	NO-FREEZE HOSE BIB ASSEMBLY
W	EXISTING BUILDING		
W	EXISTING PAVED AREA		



KEY MAP



WATER PLAN - PART 4

*FOR LOT SERVICE PRESSURES, SEE SHEET W2

AS-BUILT DRAWING APPROVAL

THIS PLAN SHEET HAS BEEN REVIEWED AND APPROVED PER THE CONDITIONS ON THE TITLE SHEET.

BY: *Kell J. Hale*
City Engineer, CITY OF ARLINGTON

DATE: 09.29.09

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Arlington, WA 98223
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EAGLE SPRINGS - PHASE 1
NE 1/4 SECTION 19, TOWNSHIP 31, RANGE 6E, W.M.

WATER PLAN - PARTS 3 & 4

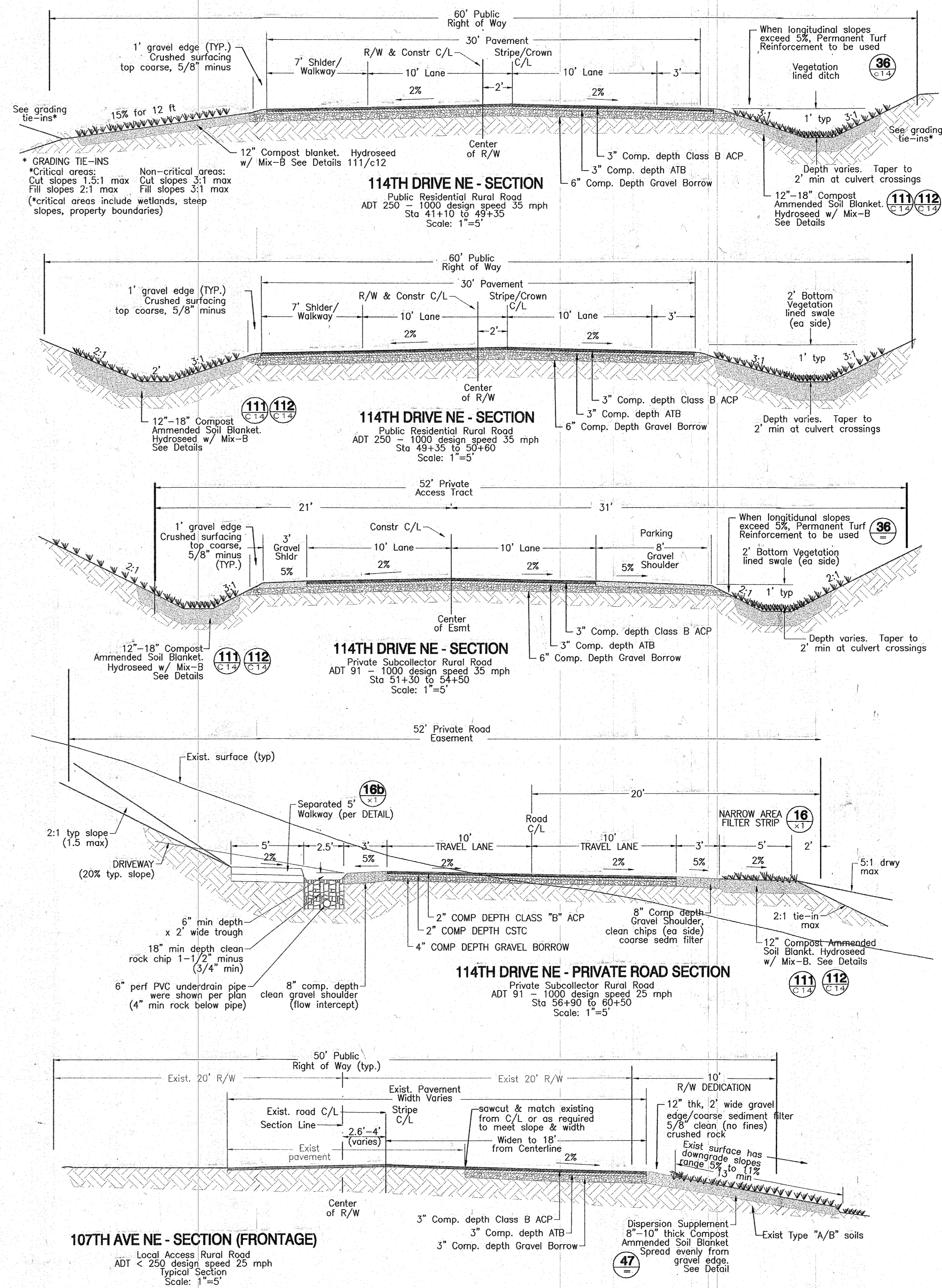
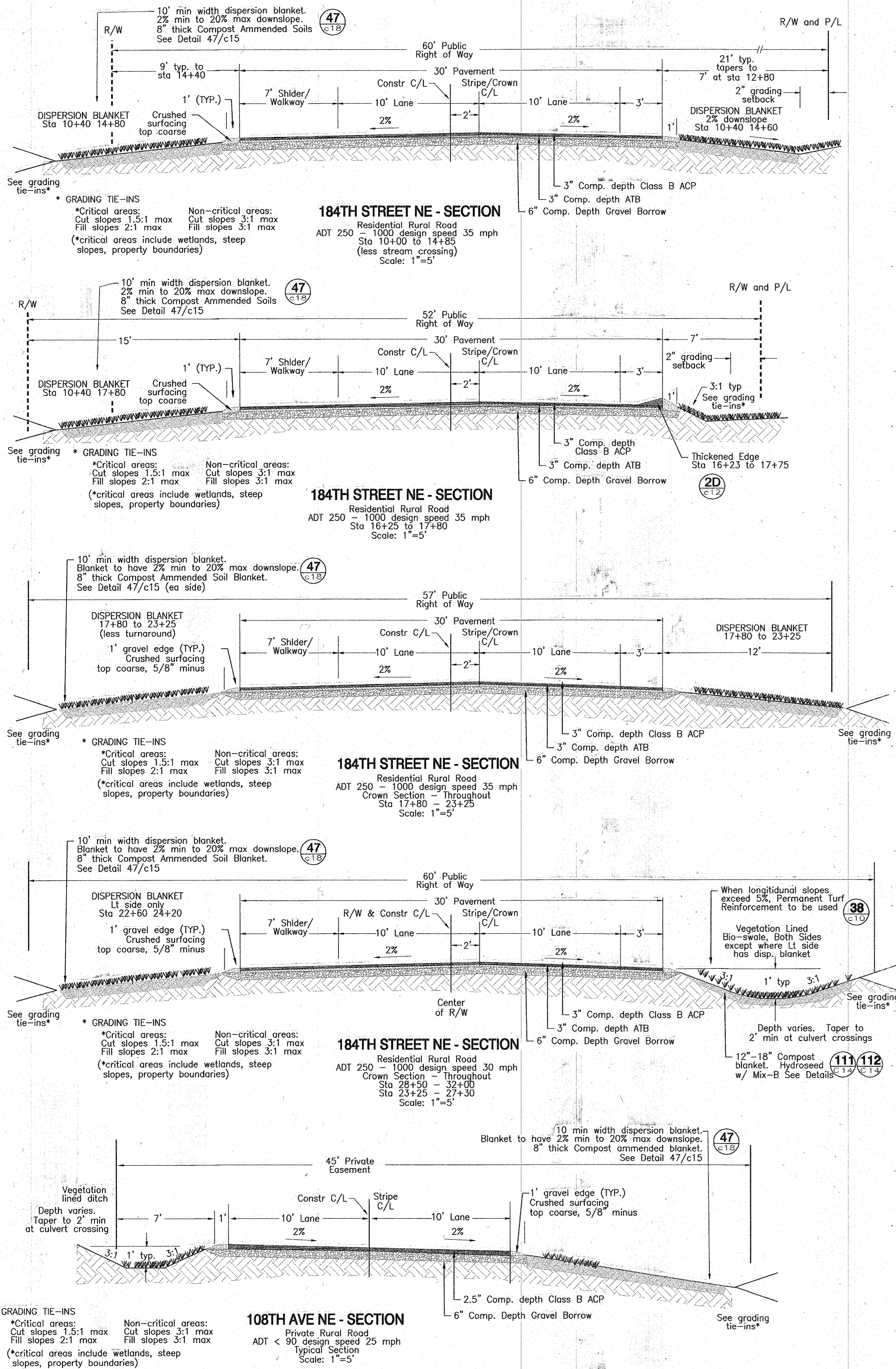
PROJECT LEAD: Pooch
CHECKED BY: [Blank]
DATE: [Blank]
REV: [Blank]

06-APR-2006
19-SEP-2006 Communication
23-JAN-2007 Const. Rev. 2
21-NOV-2008 Const. Rev. 2
21-NOV-2008 Const. Rev. 2

SHEET
W5 of **W8**
22x34

05-129036

A PORTION OF SECTION 19, TOWNSHIP 31 NORTH, RANGE 6 EAST, W.M.



- NOTES**
- Detail call-outs refer to civil planset.
 - Water main location varies relative to section C/L throughout plan, therefore not shown on these sections.
 - Water main to have minimum 3 feet of cover.

AS-BUILT DRAWING APPROVAL
 THIS PLAN SHEET HAS BEEN REVIEWED AND APPROVED FOR THE CONDITIONS ON THE TITLE SHEET.

BY: *Kelli Hales*
 City Engineer, CITY OF ARLINGTON
 DATE: 09-29-09

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EAGLE SPRINGS - PHASE 1
 NE 1/4 SECTION 19, TOWNSHIP 31, RANGE 6E, W.M.

D.W. ARLINGTON, LLC
 10257 NE 64th Street, Kirkland, WA 98033

PROJECT LEAD: Roads
 CHECKED BY: [Signature]
 DATE: [Blank]
 REVISIONS:
 06-APR-2006 Construction
 19-SEP-2006 Construction
 21-NOV-2007 Const. Rev. 2
 22-NOV-2007 Const. Rev. 2
 11-15-2008 AS-Built-2

WATER PLAN - ROAD SECTIONS

SHEET
W6 of W8
 22x34
05-129036