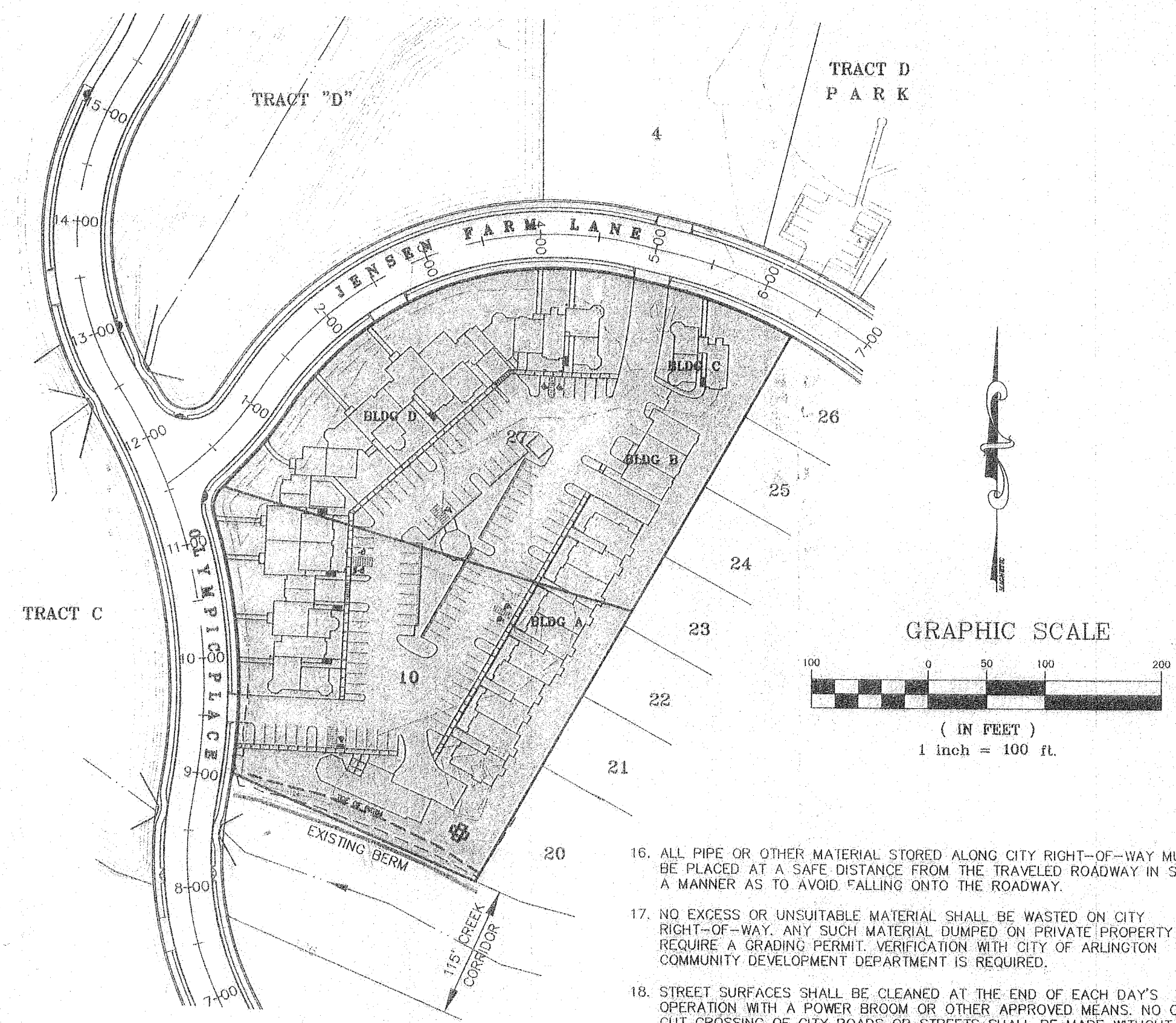


S.E. 1/4, SEC. 11, T. 31 N., R. 5 E., W.M.



GENERAL REQUIREMENTS

- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE 2004 EDITION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION, WASHINGTON STATE DEPARTMENT OF TRANSPORTATION, AND THE CITY OF ARLINGTON CONSTRUCTION STANDARDS AND SPECIFICATIONS. ADDITIONALLY ALL SITE WORK MUST COMPLY WITH THE 2003 IBC.
- AN APPROVED COPY OF CONSTRUCTION PLANS MUST BE ON SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN STREET USE AND ANY OTHER RELATED PERMITS PRIOR TO ANY CONSTRUCTION ACTIVITY IN THE CITY RIGHT-OF-WAY.
- PRIOR TO ANY CONSTRUCTION ACTIVITY, THE CITY OF ARLINGTON PUBLIC WORKS DEPARTMENT (360)403-3500 MUST BE CONTACTED FOR A PRE-CONSTRUCTION MEETING.
- ALL LOCATIONS OF EXISTING UTILITIES HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHOULD 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, AND TO FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES WHICH MAY BE AFFECTED BY HIS WORK. THE CONTRACTOR SHALL CONTACT THE UTILITIES UNDERGROUND LOCATION SERVICE (1-800-424-6555) PRIOR TO CONSTRUCTION. THE OWNER OR HIS REPRESENTATIVE SHALL BE IMMEDIATELY CONTACTED IF A UTILITY CONFLICT EXISTS. A FEE OF \$35.00 WILL BE CHARGED FOR EACH RE-LOCATE REQUEST.
- ALL MATERIALS SHALL BE NEW AND UNDATED, OF AN APPROVED BRAND, WITH REPLACEMENT AND REPAIR PARTS READILY AVAILABLE FROM THE GENERAL ARLINGTON/EVERETT/SEATTLE AREA.
- ALL MATERIALS SHALL BE APPROVED BY THE CITY PRIOR TO INSTALLATION.
- ALL PUBLIC WATER, SEWER, AND STORM DRAINAGE PIPING NOT IN PUBLIC RIGHT-OF-WAY REQUIRES 10 FOOT WIDE PERMANENT EASEMENTS GRANTED TO THE CITY.
- AS-BUILT PLANS SHALL BE SUBMITTED FOR ALL DEVELOPMENTS, SHORT PLATS, SUBDIVISIONS, AND ANY OTHER CONSTRUCTION RELATING TO THE CITY OF ARLINGTON STREETS, DRAINAGE, AND UTILITY SYSTEMS. A REGISTERED LAND SURVEYOR OR PROFESSIONAL ENGINEER SHALL VERIFY THAT INSTALLATION OF ROADS AND UTILITIES WAS IN ACCORDANCE WITH THE APPROVED CONSTRUCTION PLANS AND VARIANCE TO THE PLAN AND PROFILE SHEETS SHALL BE SO NOTED ON THE PLANS AND THE WORD "AS-BUILT" WITH THE CURRENT DATE SHALL BE WRITTEN OR STAMPED ON THE PLANS.
- AT THE PUBLIC WORKS DIRECTOR DISCRETION, PRIOR TO COMMENCING ANY CONSTRUCTION, PHOTOGRAPHS DEPICTING PRE-EXISTING ROADWAY CONDITIONS WILL BE REQUIRED EVERY 50 FEET IN PAVED AREAS OR ANY OTHER LOCATION AS SPECIFIED BY THE PUBLIC WORKS DIRECTOR. THE DIGITAL CAMERA SHALL BE USED AND COLOR PICTURES PROVIDED AS 5" X 7" PRINTS, CONTAINED IN ALBUMS, CATALOGUED AND CROSS-REFERENCED, TOGETHER WITH A COMPUTER DISK CONTAINING THE PHOTO IMAGES.
- SIGNING, FLAGGING AND TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE MOST CURRENT EDITION OF THESE STANDARDS. (SEE STANDARD TRAFFIC CONTROL PLANS IN SECTION 4) THE WSdot TRAFFIC MANUAL, AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- ONE LANE OF TRAFFIC SHALL REMAIN OPEN AT ALL TIMES, ATTENDED BY FLAGGERS AND APPROPRIATE CONSTRUCTION SIGNING PROVIDED. THE ROAD SHALL BE RESTORED TO TWO-WAY TRAFFIC AT THE END OF EACH WORKING DAY. APPLICATION FOR TOTAL ROAD CLOSURES MUST BE FILED WITH THE CITY PUBLIC WORKS DEPARTMENT AT LEAST 5 DAYS PRIOR TO THE ANTICIPATED CLOSURE.
- EXISTING DRAINAGE DITCHES, CULVERTS, ETC., SHALL BE KEPT CLEAN AT ALL TIMES. TEMPORARY DIVERSION OF ANY DRAINAGE SYSTEM WILL NOT BE PERMITTED WITHOUT THE CONSENT OF THE PUBLIC WORKS DIRECTOR. ANY DRAINAGE CULVERT, CATCH BASIN, MANHOLE OR OTHER DRAINAGE STRUCTURE DISTURBED BY EXCAVATION SHALL BE REPLACED WITH NEW MATERIAL OR REPAIRED TO THE SATISFACTION OF THE PUBLIC WORKS DIRECTOR. TEMPORARY EROSION/SEDIMENTATION CONTROL MEASURES SHALL BE EMPLOYED TO PROTECT ADJACENT PROPERTY AND STORM DRAIN FACILITIES.
- GRAVEL SHOULDERS DISTURBED BY EXCAVATION SHALL BE SHAPED TO CITY STANDARDS AND PROVIDED WITH A MINIMUM OF 2 INCHES COMPACTED CRUSHED SURFACING TOP COURSE GRAVEL.
- IF IN THE OPINION OF THE CITY ENGINEER, WEATHER CONDITIONS DETERIORATE TO THE POINT WHERE THE TRAVELED ROADWAYS ARE UNSAFE FOR THE PUBLIC OR DETERIMENTAL TO THE RESTORATION OF THE ROADWAY, EXCAVATION SHALL CEASE IMMEDIATELY AND CLEANUP SHALL BE PROMPTLY ACCOMPLISHED.

MISC. NOTES

- OUTSIDE LIGHTING SHALL BE SHIELDED TO PREVENT UNNECESSARY IMPACTS TO ADJACENT STREAM CORRIDORS. THIS APPLIES TO PORTAGE CREEK TO THE SOUTH AND PRAIRIE CREEK TO THE N.W.
- MANDATORY CONSTRUCTION FENCING WILL BE INSTALLED ALONG STREAM BUFFER TO THE SOUTH. NO SITE WORK SHALL BEGIN UNTIL FENCE IS INSTALLED.
- A PORTION OF THE ORGANIC SOIL REMOVED FROM THE SITE WILL BE USED TO FILL THE OLD GRAVEL BORROW AND TEMPORARY DRAINAGE POND ACROSS THE STREET.

WATER SYSTEM 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 (RE3498). 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 BOW FOR PRESSURE RATING OF 150 PSI, UNLESS OTHERWISE NOTED, METAL THICKNESS AND MANUFACTURING PROCESS SHALL CONFORM TO APPLICABLE PORTIONS OF ANSI STANDARD A21.10, A21.11, A21.53, B16.2, AND B16.4.
 - 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-LOG 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 SEAL 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 NUT. VALVES SHALL BE EQUIPPED WITH "O-RING" PACKING, VALVES TO BE EQUAL TO AMERICAN-80 "CRS", WATEROUS SERIES 500 OR MUELLER A-2370.
- 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 REQUIRED.
 - 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.
- METER BOXES
 - METER BOXES SHALL BE MID STATES PLASTIC W / DUCTILE IRON LIDS AND 1-3/4" 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 MSBFC 1324-12. FOR 1-1/2" & 2" METERS USE THE MSBFC 1730-18.
- FIRE HYDRANTS
 - FIRE HYDRANTS SHALL BE M&H 925 RELIANT W / 5/8" MVO OR MUELLER SUPER CENTURION 250 W / 5/8" 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. (EIE BOLTS TO BE USED ON ALL THREAD ROD BOTH HYDRANT AND VALVE).
 - HYDRANTS ARE TO BE PAINTED BEFORE FINAL INSPECTION (EQUIPMENT YELLOW / CAT 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 C.O.A.
 - HYDRANT GUARDS TO BE INSTALLED ON ALL UNPROTECTED HYDRANTS AT THE DISCRETION OF THE CITY OF ARLINGTON. (I.E. TRAFFIC AREAS, NARROW PLANTERS, 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.
 - INSTALL BOLLARDS AROUND ALL HYDRANTS ON SITE PER CITY OF ARLINGTON STANDARD W 7
- LANDSCAPING
 - IF AN IRRIGATION SYSTEM IS TO BE INSTALLED, A SEPARATE METERED WATER SERVICE IS REQUIRED AND A DOUBLE CHECK VALVE ASSEMBLY (DCVA) SHALL BE INSTALLED AFTER THE METER BEFORE ANY BRANCH CONNECTION.
 - ALL ASSEMBLIES SHALL APPEAR ON THE STATE OF WASHINGTON DEPARTMENT OF HEALTH LIST OF APPROVED ASSEMBLIES.
 - ALL ASSEMBLIES SHALL BE TESTED BY A STATE OF WASHINGTON AND CITY OF ARLINGTON APPROVED, CERTIFIED BACKFLOW ASSEMBLY TESTER, AT OWNER'S EXPENSE.
 - THE CITY OF ARLINGTON SHALL INSPECT THE ASSEMBLY PRIOR TO BEING TESTED. A COPY OF THE TEST REPORT SHALL BE PROVIDED TO THE CITY OF ARLINGTON UTILITIES DIVISION BEFORE FINAL INSPECTION.

DRAWING INDEX		
#	DESCRIPTION	FILE NAME
1	COVER SHEET	U:\16112\dwg\As_Built\16112EN1.dwg
2	SEWER PLAN	NOT INCLUDED
3	SEWER PLAN	U:\16112\dwg\As_Built\16112EN3.dwg
4	WATER & LIGHTING PLAN	U:\16112\dwg\As_Built\16112EN4.dwg
5	DRAINAGE & GRADING PLAN	U:\16112\dwg\As_Built\16112EN5.dwg
6	DRAINAGE NOTES & DETAILS	NOT INCLUDED
7	MISCELLANEOUS DETAILS	NOT INCLUDED

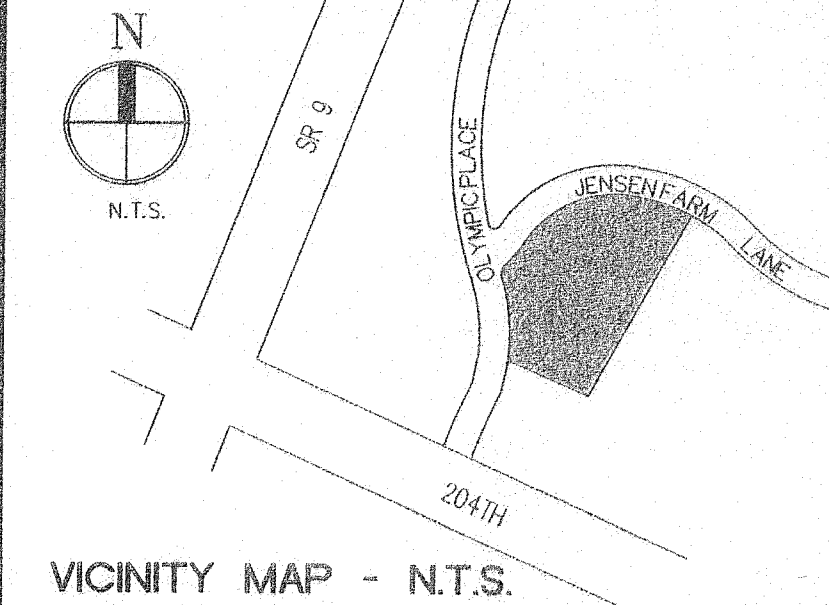
SEWER SYSTEM NOTES

- PVC PIPE AND FITTINGS SHALL BE INTEGRAL WALL BELL AND SPIGOT, RUBBER GASKET JOINT, PVC CONFORMING TO ASTM 3034 SDR 35.
- ALL PVC SEWER PIPE AND FITTINGS MANUFACTURE AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE ASTM RECOMMENDED SPECIFICATIONS D3034-73, CURRENT REVISIONS, AND ALL INSTALLATION SHALL BE IN STRICT COMPLIANCE WITH THE MANUFACTURER'S DIRECTIONS. ALL PIPE SHALL BE CLEARLY MARKED WITH DATE OF MANUFACTURE. THERE SHALL BE NO REDUCTION IN PIPE WALL THICKNESS AT THE BELL AS A RESULT OF BELL FORMATION. ALL PIPE SHALL BE PROVIDED WITH A REFERENCE MARK FOR PROPER SPIGOT INSERTION. JOINT GASKETS SHALL BE FABRICATED FROM A COMPOUND OF WHICH THE BASIC POLYMER SHALL BE A SYNTHETIC RUBBER CONSISTING OF STYRENE, BUTADIENE, POLYISOPRENE, OR ANY COMBINATION THEREOF AND SHALL MEET THE REQUIREMENTS OF ASTM F477, LATEST REVISIONS.
- CONNECTIONS FOR SIDE SEWER STUBS SHALL BE 6 INCHES INSIDE DIAMETER TEE FITTINGS FABRICATED IN THE MANUFACTURER'S PLANT. WYE BRANCHES SHALL BE USED WHERE MAIN SIZE IS LESS THAN 8 INCHES INSIDE DIAMETER. NO FIELD CUT-IN TEES OR WYES WILL BE ALLOWED UNDER THESE SPECIFICATIONS WITHOUT WRITTEN APPROVAL BY THE CITY OF ARLINGTON.
- MANHOLES SHALL BE OF THE OFFSET TYPE AND SHALL BE PRECAST CONCRETE SECTIONS WITH EITHER A CAST IN PLACE BASE OR A PRECAST BASE MADE FROM A 3,000-PSI STRUCTURAL CONCRETE. JOINTS BETWEEN PRECAST WALL SECTIONS SHALL BE CONFINED O-RING OR AS OTHERWISE SPECIFIED. THEY SHALL BE CONSTRUCTED IN FULL COMPLIANCE WITH ASTM C478 AND THE DETAILS SHOWN ON STANDARD SPECIFICATIONS PRECAST MANHOLE AND AS FURTHER SPECIFIED HEREIN.
- MANHOLE SECTIONS SHALL BE PLACED AND ALIGNED SO AS TO PROVIDE VERTICAL SIDES AND VERTICAL ALIGNMENT OF THE LADDER STEPS. THE COMPLETED MANHOLE SHALL BE RIGID, TRUE TO DIMENSION AND BE WATER TIGHT. ROUGH UNIFORM SURFACES WILL NOT BE PERMITTED. ALL MANHOLE AND CLEANOUT COVERS SHALL HAVE THE WORD SEWER CAST INTO THEM AND BE LOCKING.
- WHERE WORK IS LOCATED IN PUBLIC RIGHT-OF-WAY, NOT LESS THAN 14 INCHES NOR MORE THAN 26 INCHES SHALL BE PROVIDED BETWEEN THE TOP OF THE CONE OR SLAB AND THE TOP OF THE MANHOLE FRAME.
- CHANNELS SHALL BE MADE TO CONFORM ACCURATELY TO THE SEWER GRADE AND SHALL BE BROUGHT TOGETHER SMOOTHLY WITH WELL-ROUNDED JUNCTIONS, SATISFACTORY TO THE CITY ENGINEER.
- THE CHANNELS SHALL BE FILL Poured BETWEEN THE INLET AND OUTLET PIPES HAVE BEEN INSTALLED AND FIRMLY GROUDED INTO PLACE AT THE PROPER ELEVATION. ALLOWANCES SHALL BE MADE FOR A MINIMUM OF 1 / 10 FOOT (0.1) DROP IN ELEVATION ACROSS THE MANHOLE IN THE DIRECTION OF FLOW.
- BACKFILLING AND SURFACE RESTORATION SHALL CLOSELY FOLLOW INSTALLATION AND TESTING OF THE PIPE SO THAT NO MORE THAN 100 FEET OF PIPE IS LEFT EXPOSED WITH OUT EXPRESS APPROVAL OF THE ENGINEER. CARE SHALL BE TAKEN TO ENSURE THAT THE PIPE AND ITS PROTECTIVE COATINGS ARE NOT DAMAGED. NO ROCKS, STONE OR DEBRIS SHALL BE PERMITTED WITHIN 12 INCHES OF THE PIPE.
- WHEN REQUIRED IN AREAS OF UNSUITABLE TRENCH BOTTOM, FOUNDATION GRAVEL SHALL CONSIST OF CLEAN, GRANULAR MATERIAL FREE FROM OBJECTIONABLE MATERIALS SUCH AS VEGETABLE MATTER OR OTHER DELETERIOUS SUBSTANCES WITH AT LEAST 90 PERCENT COARSE MATERIAL RANGING FROM 1 INCH IN DIAMETER TO 3 INCHES IN DIAMETER AND 100% 3 INCHES IN DIAMETER OR LESS.
- 3/8 INCH CLEAN MANUFACTURED PEA GRAVEL BEDDING SHALL BE REQUIRED.
- BEDDING MATERIAL SHALL BE CAREFULLY PLACED AND FIRMLY COMPACTED TO PROVIDE A FIRM, UNIFORM CRADLE FOR THE PIPE. THE MINIMUM THICKNESS OF THE LAYER OF BEDDING MATERIAL REQUIRED SHALL BE 4 INCHES UNDER THE BELL FOR ALL PIPE SIZES OF 27 INCHES DIAMETER AND SMALLER, 6 INCHES FOR ALL PIPE SIZES 30 INCHES DIAMETER AND LARGER. 6 INCHES IS REQUIRED UNDER THE BELL OF THE PIPE FOR ALL DIAMETER PIPES WHERE ROCK IS EXCAVATED. TO PROVIDE THIS FIRM, CONTINUOUS SUPPORT FOR THE PIPE, IT IS NECESSARY TO HAND TAMP OR "SLICE" BEDDING MATERIAL SOLIDLY UNDER THE PIPE.
- AFTER THE PIPE LAYING OPERATION, ADDITIONAL BEDDING MATERIAL SHALL BE PLACED AND COMPACTED BY HAND TOOLS FOR THE FULL WIDTH OF THE TRENCH TO A HEIGHT OF 12 INCHES ABOVE THE TOP OF THE SEWER PIPE.
- IT IS ASSUMED THAT EXCAVATED MATERIAL IS SUITABLE FOR TRENCH BACKFILL. WHERE EXCAVATED MATERIAL IS NOT APPROVED FOR BACKFILL, GRAVELBASE, CLASS B, CONFORMING TO THE REQUIREMENTS OF SECTION 9-03.10 OF THE STATE OF WASHINGTON STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, OR GRANULAR MATERIAL, COMMONLY KNOWN AS BANK RUN GRAVEL, SHALL BE USED AS DIRECTED BY THE ENGINEER.
- ALL JOINTS SHALL BE MADE UP IN STRICT COMPLIANCE WITH THE MANUFACTURER'S DIRECTIONS AND ALL SEWER PIPE MANUFACTURE AND HANDLING SHALL MEET OR EXCEED THE ASTM AND CPWA RECOMMENDED SPECIFICATIONS, CURRENT REVISIONS.
- FURTHER, ALL 8 INCH OR LARGER PVC PIPE LAID SHALL BE DEFLECTION TESTED IN ACCORDANCE WITH SECTION 7-17-3 OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, AND MUNICIPAL CONSTRUCTION FOR ACCEPTANCE. PVC PIPE SHALL NOT HAVE ANY DIAMETER DECREASED BY 5 PERCENT OR MORE.
- THE SEWER PIPE, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER, SHALL BE INSTALLED UPGRADE FROM POINT OF CONNECTION ON THE EXISTING SEWER OR FROM A DESIGNATED STARTING POINT TO LINE AND GRADE PER APPROVED PLANS. THE SEWER PIPE SHALL BE INSTALLED WITH THE BELL END FORWARD OR UPGRADE. WHEN PIPE LAYING IS NOT IN PROGRESS, THE FORWARD END OF THE PIPE SHALL BE KEPT TIGHTLY CLOSED WITH AN APPROVED TEMPORARY PLUG. WHEREVER MOVABLE SHORING (STEEL BOX) IS USED IN THE DITCH, CARE SHALL BE TAKEN SO THAT THE PIPE AND/OR JOINTS DO NOT MOVE WHEN THE SHORING OR BOX IS MOVED. ANY INDICATION THAT JOINTS ARE NOT BEING ADEQUATELY HELD SHALL BE SUFFICIENT REASON FOR THE CITY ENGINEER TO REQUIRE RESTRAINTS, WHETHER OR NOT MOVABLE SHORING IS BEING USED.
- AT THE TIME OF BUILDING PERMIT, INDIVIDUAL PROPERTY OWNERS MAY BE REQUIRED TO INSTALL MONITORING MANHOLES AS REQUIRED BY THE CITY.
- ALL MANHOLE STRUCTURES SHALL BE INSPECTED AND SIGNED OFF PRIOR TO BACKFILL BEING ADDED TO THE EXCAVATION.
- 3 INCHES OF GROUTING IS REQUIRED ABOVE AND BELOW ALL MANHOLE JOINTS INCLUDING THE ADJUSTMENT RISERS AND ALL RISERS SHALL BE WET SLAGGED.
- ALL GROUTING IS REQUIRED TO BE A MINIMUM OF 1/2 INCH THICK.
- GROUTING MATERIAL SHALL CONSIST OF PART SAND WITH 2 PARTS CEMENT. CURING ADDITIVES ARE NOT ALLOWED WITHOUT PRIOR APPROVAL.
- ALL EXTERNAL GROUTING SHALL BE CURED PRIOR TO APPROVAL FOR BACKFILL.
- ADDITIONAL WATERPROOFING METHODS MAY BE REQUIRED FOR MANHOLE STRUCTURES AT THE TIME OF CONSTRUCTION SUCH AS EXTERNAL JOINT RUBBER GASKETS OR MASTIC.
- ACCESS SHALL BE PROVIDED TO THE CONSTRUCTION SITE AT ALL TIMES FOR INSPECTION PURPOSES.
- 2 INCH SEWER TRACER TAPE IS REQUIRED OVER ALL SEWER PIPE INSTALLATIONS AND SHALL BE PLACED 2 TO 4 FEET ABOVE THE PIPE BEDDING.
- INSTALL SIDE SEWER STUBS TO ONE SIDE OR THE OTHER OF CEMENT / ASPHALT DRIVEWAYS WHEN POSSIBLE.
- SIDE SEWER STUBS ARE TO BE CAPPED AND MARKED BY A 2 X 4 POST LABELED SANITARY SEWER. THE STUB MARKER MUST INCLUDE THE LOT NUMBER AND DEPTH OF THE STUB INVERT. ALL MARKERS SHALL BE ALIGNED AND UNIFORM. (SEE SERVICE CONNECTION DETAIL, S-B)
- SEWER BACKFILL WITHIN THE CITY RIGHT-OF-WAY TO BE COMPACTED TO 95% WITH TESTING RESULTS TO THE CITY OR CDF BACKFILL REQUIRED.
- ALL SANITARY SEWER MANHOLES OUTSIDE OF PAVED OR CONCRETE AREAS MUST HAVE A 6' X 6' X 8" REINFORCED CONCRETE PAD SET TO FINISHED GRADE.
- ALL SANITARY SIDE SEWERS ARE TO BE DIMENSIONED FROM CENTER OF THE NEAREST DOWNSTREAM MANHOLE.
- WYES ARE NOT ALLOWED ON LINES 8 INCHES AND LARGER, TEES ARE REQUIRED.
- SADDLE MANHOLE (SMH #1), THE EXISTING LINE THAT THE CROWN OF THE EXISTING MAY NOT BE REMOVED UNTIL APPROVED BY LEAD COLLECTION SPECIALIST VIRGIL RENFROE. (360-403-3516).
- SEWER MANHOLE #1 IS TO BE 54" RATHER THAN 48" OVER THE EXISTING 12" MAINLINE.

CONSTRUCTION SEQUENCE AND SCHEDULE

- SET UP PRE-CONSTRUCTION MEETING WITH CITY OF ARLINGTON
- INSTALL T.E.S.C. FILTERS AS SPECIFIED ON SHEET 2.
- THE CLEARING AND GRUBBING OF SITE
- THE ROUGH GRADING OF SITE
- INSTALL SEWER.
- INSTALL STORM SYSTEM
- INSTALL WATER SYSTEM
- THE FINAL GRADING, AND GRAVELING OF SITE
- THE PAVING OF THE SITE
- SEED ALL DISTURBED AREAS.

*** CONSTRUCTION TO START AS SOON AS THE PROJECT IS APPROVED AND IT WILL PROCEED IN A TIMELY MANNER.

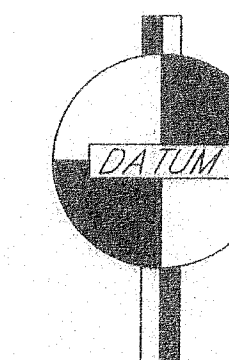


LEGAL DESCRIPTION

LOT 10 OF THE PLAT OF JENSEN FARM DIVISION 1 AS RECORDED IN VOL 60 PAGES 32-35 UNDER A.F. #950928502 TOGETHER WITH LOT 27 OF THE PLAT OF JENSEN FARM DIVISION 3 AS RECORDED UNDER A.F. #9904155006

APPLICANT

SCOTT WAMMACK
GRANDVIEW INC
PO BOX 159
ARLINGTON, WA 98223
PHONE: (360) 435-7171



DATUM NGVD 1929
TO CONVERT ELEVATIONS TO NAV 88 ADD 3.71'

LIGHTING NOTE

LIGHTING WILL BE INSTALLED BY SNOHOMISH COUNTY P.U.D. PER CITY OF ARLINGTON STANDARDS. (SEE SHEET 4)

RECEIVED
NOV 15 2007

Utilities Div.

CALL 48 HOURS
BEFORE YOU DIG
1-800-424-5555

AS-BUILT LEGEND

DARK TEXT = AS-BUILT INFORMATION
LIGHT TEXT = DESIGN INFORMATION

CITY OF ARLINGTON

AS-BUILT CONSTRUCTION DRAWING REVIEW ACKNOWLEDGMENT

THIS AS-BUILT PLAN SHEET HAS BEEN REVIEWED AND ACCEPTED AS A RECORD DRAWING. THE LICENSED DESIGN ENGINEER WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEET ASSUMES FULL AND COMPLETE RESPONSIBILITY FOR THE ACCURACY THEREIN.

BY:
CITY ENGINEER
DATE: 11/07/2007

CASCADE & SURVEYING & ENGINEERING, INC.
Engineers Surveyors Planners
P.O. BOX 326
ARLINGTON, WASHINGTON 98223
(360) 435-5551
1-800-563-5551

DESIGNED DATE 9/05
DRAWN DATE 9/05
CHECKED DATE 9/05
FIELD BOOK ARL 92

PER CITY COMMENTS (09/05)
PER CITY COMMENTS (07/05)
PER CITY COMMENTS (10-2-01)
PER CITY COMMENTS

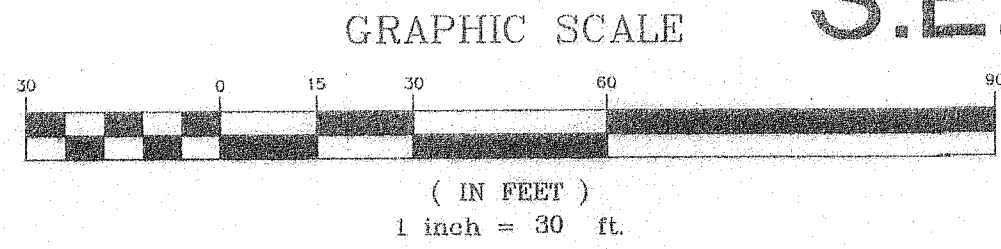
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AS-BUILT APARTMENTS
SOUTH VILLAGE APARTMENTS
PLAT OF JENSEN FARM, DIV. 3
FILE NO. MJ-00-044

1 OF 7
16112

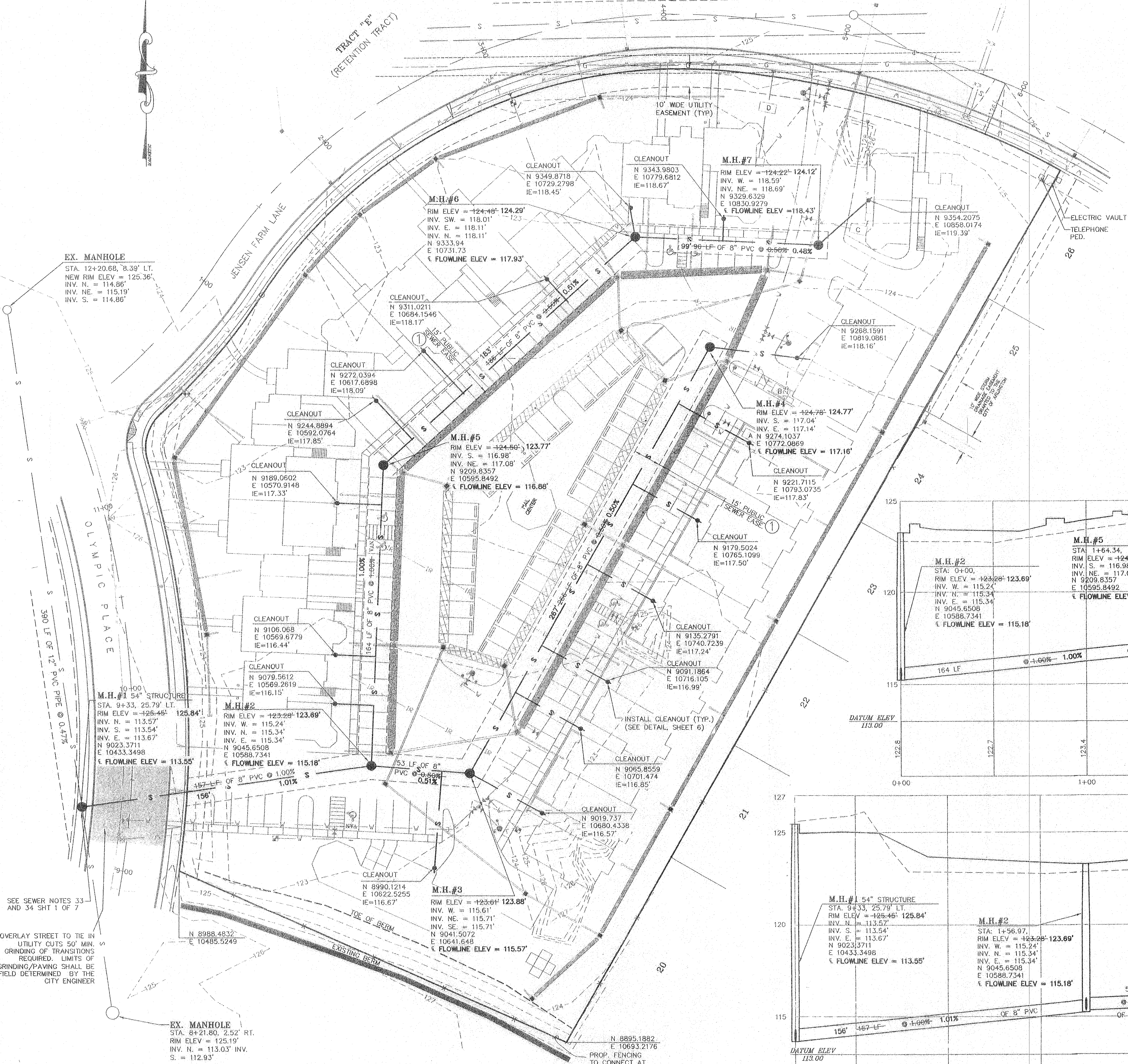
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S.E. 1/4, SEC. 11, T. 31 N., R. 5 E., W.M.



CITY OF ARLINGTON
 THIS SHEET HAS BEEN APPROVED PER THE CONDITIONS ON THE COVER SHEET.
 BY: *MJ*
 CITY ENGINEER
 DATE: 11/07/2007

CASCADE SURVEYING & ENGINEERING, INC.
 Engineers Surveyors Planners
 P.O. BOX 326
 ARLINGTON, WASHINGTON 98223
 (206) 435-5551
 FAS (360) 435-4012
 P-360-363-5551



AS-BUILT LEGEND
 DARK TEXT = AS-BUILT INFORMATION
 LIGHT TEXT = DESIGN INFORMATION

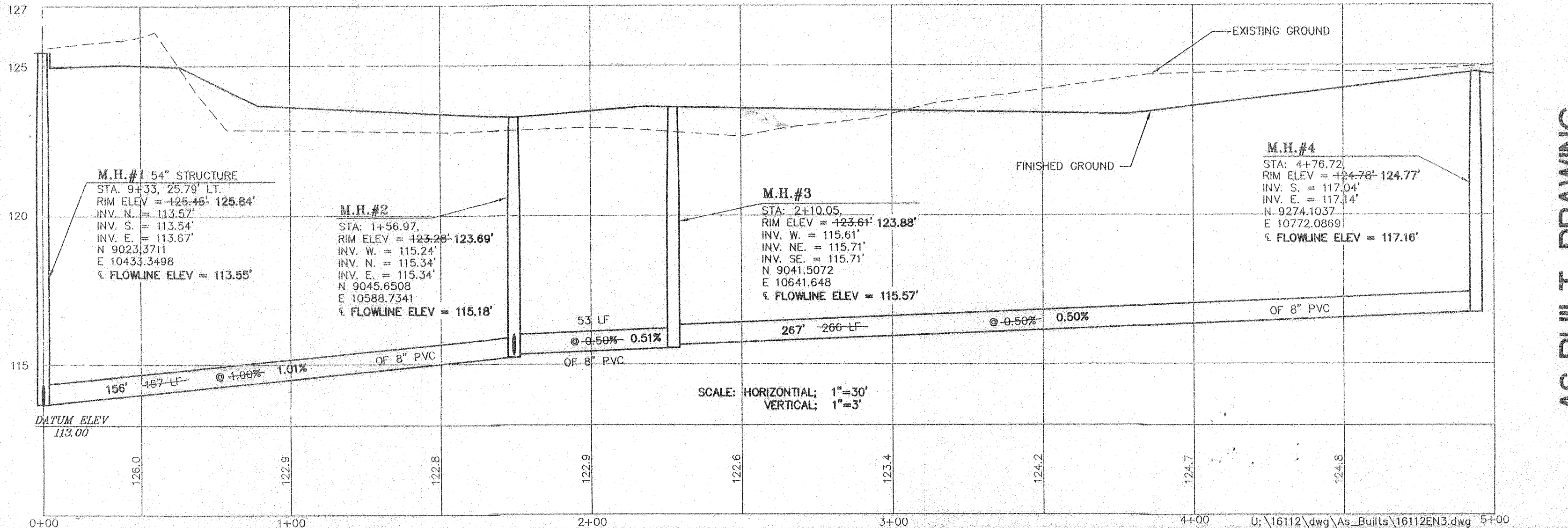
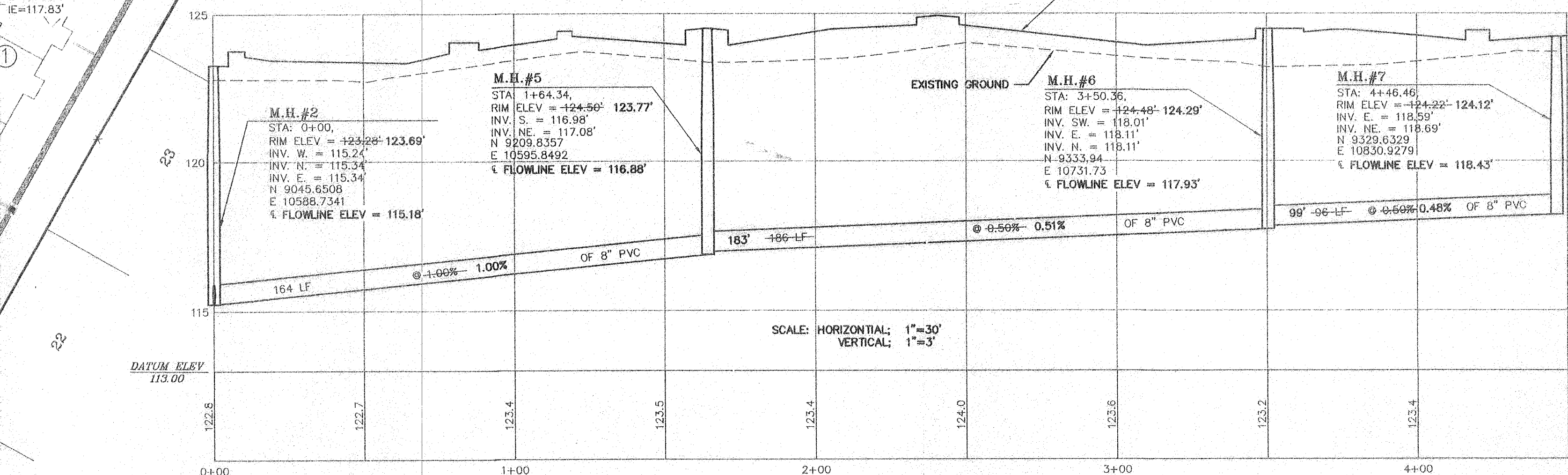
- LEGEND**
- ~ PROPERTY LINE
 - 124 ~ 1 FOOT CONTOUR INTERVAL
 - ~ CL ROAD
 - ~ EXISTING CURB LINE
 - ~ EXISTING STORM LINE
 - ~ EASEMENT
 - ~ PROPOSED WATER LINE
 - ~ EXISTING WATER LINE
 - ~ EXISTING SEWER LINE
 - ~ PROPOSED SEWER LINE
 - ~ PROPOSED IRRIGATION LINE
 - ~ EXISTING FENCE LINE
 - ~ PROPOSED FENCE LINE

SEWER SIDE STUB SCHEDULE
 ON-SITE - SANITARY SEWER LATERALS

MH #	SEW-RUN STATION	INVERT ELEV.	LENGTH	DIRECTION	SLOPE	DESCRIPTION
MH #1	0+00					CENTER SSM#1
MH #2	0+00					CENTER SSM#2
	0+35	115.92'	52 LF	RIGHT	2.00%	SERVICE LATERAL TEE
	0+90	115.97'	43 LF	RIGHT	2.00%	SERVICE STUB
	0+51	116.07'	39 LF	RIGHT	2.00%	SERVICE LATERAL TEE
	0+80	116.11'	39 LF	RIGHT	2.00%	SERVICE LATERAL TEE
	1+30	116.36'	39 LF	RIGHT	2.00%	SERVICE LATERAL TEE
	1+81	116.62'	39 LF	RIGHT	2.00%	SERVICE LATERAL TEE
	2+31	116.87'	43 LF	RIGHT	2.00%	SERVICE LATERAL TEE
MH #4	0+00					CENTER SSM#4
	0+00	117.14'	51 LF	RIGHT	2.00%	SERVICE STUB
MH #2	0+00	115.34'	19 LF	LEFT	2.00%	CENTER SSM#2
	0+60	115.94'	20 LF	LEFT	2.00%	SERVICE LATERAL TEE
	1+43	116.77'	23 LF	LEFT	2.00%	SERVICE LATERAL TEE
MH #5	0+00	117.08'				CENTER SSM#5
	0+21	117.19'	19 LF	LEFT	2.00%	SERVICE LATERAL TEE
	0+60	117.39'	20 LF	LEFT	2.00%	SERVICE LATERAL TEE
	1+33	117.76'	23 LF	LEFT	2.00%	SERVICE LATERAL TEE
MH #6	0+00	118.31'				CENTER SSM#6
	0+48	118.34'	20 LF	LEFT	2.00%	SERVICE LATERAL TEE
MH #7	0+00	118.69'				CENTER SSM#7
	0+00	118.69'	23 LF	LEFT	2.00%	SERVICE STUB

- NOTES:**
- ALL SANITARY SIDE SEWER LATERALS ARE DIMENSIONED FROM THE CENTER OF THE NEAREST DOWNSTREAM MANHOLE.
 - CONTRACTOR TO CALL PUBLIC WORKS FOR INSPECTION OF MANHOLES, PRIOR TO BACKFILLING.
 - ALL CLEANSOUTS TO BE PER CITY OF ARLINGTON DETAIL S-11 (SEE DETAIL, SHEET 6).
 - ALL CLEANSOUTS TO BE SET AT FINISHED GRADE WITH RING AND COVER MARKED "SEWER" PER CITY STANDARDS.
 - ALL CLEANSOUTS OUTSIDE A PAVED OR CONCRETE AREA MUST HAVE A CONCRETE PAD PER COA STANDARDS.
 - ALL SSM#S TO BE 48" STRUCTURES UNLESS NOTED OTHERWISE.
 - SSM#1 IS TO BE A 54" STRUCTURE.

PROPOSED SEWER EASEMENT TO BE SUBMITTED WITH AS-BUILT DRAWINGS AFTER PHYSICAL IMPROVEMENTS HAVE BEEN LOCATED IN THE FIELD



SEE SEWER NOTES 33 AND 34 SHT 1 OF 7

OVERLAY STREET TO TIE IN UTILITY CUTS 50' MIN. GRINDING OF TRANSITIONS REQUIRED. LIMITS OF GRINDING/PAVING SHALL BE FIELD DETERMINED BY THE CITY ENGINEER

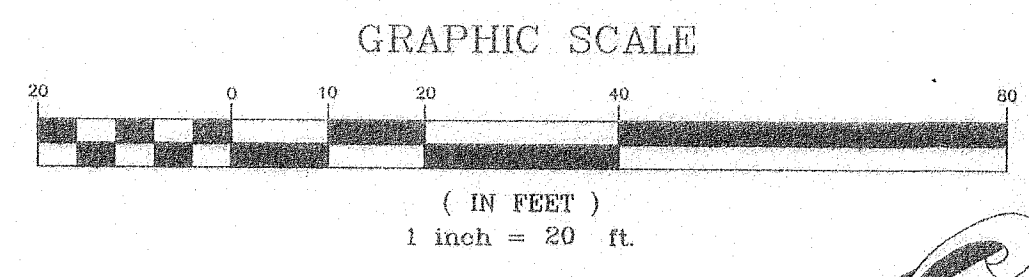
REVISION

NO.	DATE	BY	DESCRIPTION
06/07	JBT		ADDED AS-BUILT INFORMATION
10/05	JD		PER CITY COMMENTS (10/11/05)
09/06	WFS		PER CITY COMMENTS (09/13/05)
07/05	T.A.A.		PER CITY COMMENTS (07/05)
10/01	D.P.		PER CITY COMMENTS (10/02/01)
9/01	T.N.		PER CITY COMMENTS

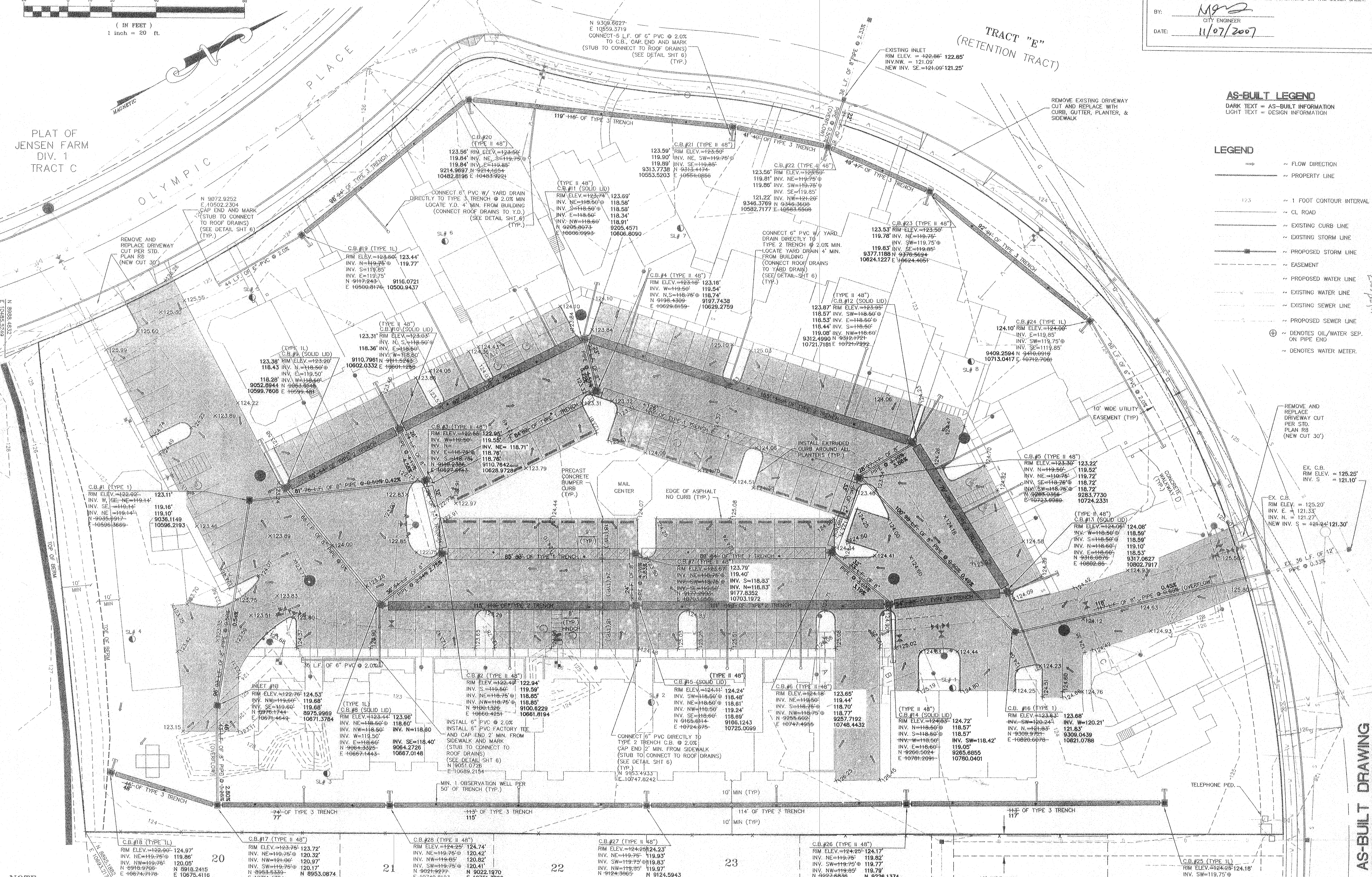
AS-BUILT DRAWING
SEWER PLAN
 SOUTH VILLAGE APARTMENTS
 PLAT OF JENSEN FARM, DIV. 3
 FILE NO. MJ-00-044
 3 OF 7
 # 16112

S.E. 1/4, SEC. 11, T. 31 N., R. 5 E., W.M.

CITY OF ARLINGTON
 THIS SHEET HAS BEEN APPROVED PER THE CONDITIONS ON THE COVER SHEET.
 BY: *M. J. ...*
 CITY ENGINEER
 DATE: 11/07/2007



- AS-BUILT LEGEND**
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- LEGEND**
- FLOW DIRECTION
 - PROPERTY LINE
 - 123 ~ 1 FOOT CONTOUR INTERVAL
 - CL ROAD
 - EXISTING CURB LINE
 - EXISTING STORM LINE
 - PROPOSED STORM LINE
 - EASEMENT
 - PROPOSED WATER LINE
 - EXISTING WATER LINE
 - EXISTING SEWER LINE
 - PROPOSED SEWER LINE
 - ⊕ DENOTES OIL/WATER SEP. ON PIPE END
 - ⊙ DENOTES WATER METER



NOTE:
 YARDS SHALL BE GRADED SUCH THAT RUNOFF FROM THE YARDS AND LANDSCAPED AREAS IS COLLECTED AND CONVEYED TO THE TRENCHES. PARKING LAYOUT MAY CHANGE SUBJECT TO FUTURE ROAD DEDICATION. REVISED LAYOUT SHALL CONFORM TO ALL CITY STANDARDS. ALL GUTTERS SHOULD BE INSTALLED WITH GUTTER SCREENS.

NOTE:
 ALL TYPE 2 CB'S TO BE 48" UNLESS OTHERWISE NOTED ON THESE PLANS.

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 ARLINGTON, WASHINGTON 98023
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 I-800-583-5551



DESIGNED BY	DATE	07/05
ADDED AS-BUILT INFORMATION	06/07	JBT
PER CITY COMMENTS (07/05)	07/05	T.A.A.
PER CITY COMMENTS (10/02/07)	10/02	D.P.
PER CITY COMMENTS	9/01	T.N.
R.E.V.I.S.I.O.N.	DATE	BY

DESIGNED BY	DATE	07/05
DRAWN	T.A.A.	07/07/05
CHECKED	N.W.	07/05
FIELD BOOK	APR. 02	

AS-BUILT DRAWING

DRAINAGE & GRADING PLAN
 PLAT OF JENSEN FARM, DIV. 3
 SOUTH VILLAGE APARTMENTS
 FILE NO. MJ-00-044

5 OF
1611