#### GENERAL REQUIREMENTS:

- I. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE 'STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION," WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, 1998 EDITION, EXCEPT WHERE MODIFIED BY THE LATEST EDITION OF THE CITY OF ARLINGTON CONSTRUCTION STANDARDS AND SPECIFICATIONS. ADDITIONALLY ALL SITE WORK MUST COMPLY WITH CHAPTER 33 OF THE UNIFIED BUILDING CODE.
- 2. 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
- 4. PRIOR TO ANY CONSTRUCTION ACTIVITY. THE CITY OF ARLINGTON PUBLIC WORKS DEPARTMENT (360)435-3811 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 (1-800-424-5555) 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 UNDAMAGED, OF AN APPROVED BRAND, WITH REPLACEMENT AND REPAIR PARTS READILY AVAILABLE FROM THE GENERAL ARLINGTON/EVERETT/SEATTLE AREA.
- 7. ALL MATERIALS SHALL BE APPROVED BY THE CITY PRIOR TO INSTALLATION
- 38. ALL PUBLIC WATER, SEWER, AND STORM DRAINAGE PIPING NOT IN PUBLIC RIGHT-OF-WAY REQUIRES TO FOOT WIDE PERMANENT EASEMENTS GRANTED TO THE CITY.
- 9. 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.
- 10. 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. A 35 MM CAMERA SHALL BE USED AND COLOR PICTURES PROVIDED AS 5" X 7" PRINTS, CONTAINED IN ALBUMS, CATALOGUED AND CROSS-REFERENCED
- 11. 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
- 12. 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.
- 13. 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.
- 14. GRAVEL SHOULDERS DISTURBED BY EXCAVATION SHALL BE SHAPED TO CITY STANDARDS AND PROVIDED WITH A MINIMUM OF 2 INCHES COMPACTED CRUSHED SURFACING TOP
- 15. IF IN THE OPINION OF THE PUBLIC WORKS DIRECTOR, WEATHER CONDITIONS DETERIORATE TO THE POINT WHERE THE TRAVELED ROADWAYS ARE UNSAFE FOR THE PUBLIC OR DETRIMENTAL TO THE RESTORATION OF THE ROADWAY, EXCAVATION SHALL CEASE IMMEDIATELY AND CLEANUP SHALL BE PROMPTLY ACCOMPLISHED.
- 16. ALL PIPE OR OTHER MATERIAL STORED ALONG CITY RIGHT-OF-WAY MUST BE PLACED AT A SAFE DISTANCE FROM THE TRAVELED ROADWAY IN SUCH A MANNER AS TO AVOID
- 17. NO EXCESS OR UNSUITABLE MATERIAL SHALL BE WASTED ON CITY RIGHT-OF-WAY. ANY SUCH MATERIAL DUMPED ON PRIVATE PROPERTY MAY REQUIRE A GRADING PERMIT. VERIFICATION WITH CITY OF ARLINGTON COMMUNITY DEVELOPMENT DEPARTMENT IS
- 18. STREET SURFACES SHALL BE CLEANED AT THE END OF EACH DAY'S OPERATION WITH A POWER BROOM OR OTHER APPROVED MEANS, NO OPEN CUT CROSSING OF CITY ROADS OR STREETS SHALL BE MADE WITHOUT THE PRIOR APPROVAL OF THE PUBLIC WORKS
- 19. MAXIMUM AMOUNT OF OPEN TRENCH ON STREETS SHALL BE 400 LINEAL FEET. AT THE END OF EACH DAY, ALL DITCHES MUST BE BACKFILLED OR COVERED WITH STEEL PLATES AND BARRICADED WITH FLASHING WARNING LIGHTS TO PREVENT PEOPLE OR ANIMALS FROM FALLING INTO THE TRENCH,
- 20. FINAL CLEANUP INCLUDING COMPLETE RESTORATION OR SHOULDERS, CLEANING OF DITCHES, CULVERTS AND CATCH BASINS, AND REMOVAL OF LOOSE MATERIAL FROM BACK SLOPES OF DITCHES SHALL NOT EXCEED 1500 LF. BEHIND EXCAVATING OPERATIONS AS REQUIRED BY THE PUBLIC WORKS DIRECTOR.
- 21. THE PERMITTEE WILL BE RESPONSIBLE TO COORDINATE WITH THE STATE DEPARTMENT OF NATURAL RESOURCES FOR ANY CONFLICT BETWEEN PERMIT WORK AND EXISTING MONUMENTATION

#### WATER SYSTEM NOTES:

- 1. DUCTILE IRON WATER PIPE SHALL BE NEW, CLASS 52, CEMENT-LINED, CONFORMING TO ANSI STANDARD A21.51 (AWWA C-151).
- 2. 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 EFFECT 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 THE SEAL. ALL JOINTS SHALL CONFORM TO ANSI STANDARD A21.11 AWWAC-111.
- 3. FLANGED JOINTS SHALL CONFORM TO ANSI STANDARD BIG. 1.
- 4. INTERNALLY LOCKED JOINTS SHALL BE IN ACCORDANCE WITH ANSI A21.11 AND "EQUAL TO U.S. PIPE TR FLEX GRIFFIN "SNAP LOK".
- 5. BELL AND SOCKET JOINTS SHALL BE IN ACCORDANCE WITH ANSI A21.10 AND EQUAL TO U.S. PIPE "UNIFLEX"
- 6. STANDARD THICKNESS CEMENT MORTAR LINING SHALL BE IN ACCORDANCE WITH ANSI STANDARD A21.4 (AWWA C-104).
- 7. THE CONTRACTOR SHALL FURNISH CERTIFICATION FROM THE MANUFACTURER OF THE PIPE AND GASKET BEING SUPPLIED THAT THE INSPECTION AND ALL OF THE SPECIFIED TESTS HAVE BEEN MADE AND THE RESULTS THEREOF COMPLY WITH TEH REQUIREMENTS OF THIS STANDARD.
- 8. TRENCHES SHALL BE EXCAVATED TO LINE AND DEPTH SO ALL NEW PIPELINES CONSTRUCTED SHALL HAVE NOT LESS THAN THREE (3) FEET OR IN EXCESS OF FOUR (4) FEET OF COVER, MEASURED FROM THE TOP OF THE PIPE TO THE APPROVED FINISH GRADE. IF A GRADE REVISION IS MADE, THE COVER OVER THE WATER MAIN MUST REMAIN WITHIN THESE LIMITS; OTHERWISE, THE WATER MAIN SHALL BE RECONSTRUCTED.
- 9. THE EXCAVATION SHALL BE MADE IN A STRAIGHT GRADE THROUGH LOCALIZED BREAKS IN GRADE. THE EXCAVATION SHALL BE DEEPENED GRADULLLY AT CHANGES IN THE STREET GRADES SO THAT THERE ARE NO ABRUPT CHANGES IN PIPELINE GRADE. DEFLECTIONS AT EACH PIPE JOINT SHALL NOT EXCEED THE MAXIMUM PERMISSIBLE DEFLECTION.

# PORTION N.E. 1/4, SEC. 14, T. 31 N., R. 5 E., W.M.

#### WATER SYSTEM NOTES CONTINUED:

- 10. EXCEPT FOR UNUSUAL CIRCUMSTANCES WHERE APPROVED BY THE ENGINEER, THE TRENCH SIDES SHALL BE EXCAVATED VERTICALLY AND THE TRENCH WIDTH SHALL BE EXCAVATED ONLY TO SUCH WIDTHS AS ARE NECESSARY FOR ADEQUATE WORKING SPACE. THE MINIMUM TRENCH WIDTH AT THE TOP OF THE PIPE SHALL NORMALLY BE THE OUTSIDE DIAMETER OF THE PIPE BARREL PLUS IS INCHES. THE TOP WIDTH OF THE TRENCH SHALL NOT EXCEED THE OUTSIDE DIAMETER OF THE PIPE PLUS 36 INCHES. THE TRENCH SHALL BE KEPT FREE FROM WATER UNTIL JOINTING IS COMPLETE. SURFACE WATER SHALL BE DIVERTED SO AS NOT TO ENTER THE TRENCH. THE CONTRACTOR SHALL MAINTAIN SUFFICIENT PIPING EQUIPMENT ON THE JOB TO ENSURE THAT THESE PROVISIONS ARE CARRIED OUT, GRAVEL REQUIRED IN THE BOTTOM OF THE TRENCH DUE TO ACTION OF WEATHER OR WORKMAN SHALL BE FURNISHED BY THE CONTRACTOR. THE CONTRACTOR SHALL PERFORM ALL EXCAVATION OF EVERY DESCRIPTION AND OF WHATEVER SUBSTANCE ENCOUNTERED AND BOULDERS, ROCKS, ROOTS AND OTHER OBSTRUCTIONS SHALL BE ENTIRELY REMOVED OR CUT OUT TO THE NEW WIDTH OF THE TRENCH AND TO A DEPTH 6 INCHES BELOW WATER MAIN GRADE. WHERE MATERIAL IS REMOVED FROM BELOW WATER MAIN GRADE, THE TRENCH SHALL BE BACKFILLED TO GRADE WITH MATERIAL SATISFACTORY TO THE ENGINEER AND THOROUGHLY COMPACTED.
- II. TRENCHING OPERATIONS SHALL NOT PROCEED MORE THAN 100 FEET IN ADVANCE OF PIPE LAYING, EXCEPT WITH WRITTEN APPROVAL OF THE CITY.
- 12. WHEN TRENCHING OPERATIONS CUT THROUGH CONCRETE PAVEMENT, THE PAVEMENT SHALL BE REMOVED TO A WIDTH OF 18 INCHES GREATER THAN THE TOP WIDTH OF THE TRENCH. THE CONCRETE SHALL BE CUT ON A STRAIGHT LINE AND SHALL BE BEVELED SO THAT THE CUT WILL APPROXIMATELY I INCH WIDER AT THE TOP THAN AT THE BOTTOM. ASPHALT PAYING SHALL BE CUT AHEAD OF THE TRENCHING EQUIPMENT TO PREVENT EXCESSIVE TEARING UP OF THE SURFACING AND TO ELIMINATE RAGGED EDGES.
- 13. THE CONTRACTOR SHALL NOT OPERATE ANY GATE VALVE OR MAKE ANY CONNECTIONS TO THE EXISTING WATER MAIN WITHOUT PRIOR APPROVAL OF THE CITY.
- 14. THE CONTRACTOR SHALL MAKE THE NECESSARY ARRANGEMENTS WITH THE CITY FOR THE CONNECTION TO THE EXISTING WATER MAIN.
- 15. THE CITY MAY ELECT TO FURNISH THE MATERIALS, EQUIPMENT AND LABOR NECESSARY FOR MAKING THE CONNECTIONS AND THE CONTRACTOR SHALL PAY THE CITY ALL COSTS FOR THE CONNECTION. IN THE EVENT THE CITY DOES NOT ELECT TO MAKE THE CONNECTION, THEY MAY AUTHORIZE THE CONTRACTOR TO FURNISH THE CITY APPROVED MATERIALS, EQUIPMENT AND LABOR NECESSARY FOR MAKING THE CONNECTION UNDER THE
- 16. ALL MATERIAL USED FOR THE CONNECTION SHALL BE THOROUGHLY STERILIZED BY SWABBING THE INTERIOR WITH A CHLORINE SOLUTION OF 50 PPM.
- 17. BACKFLOW PREVENTION REQUIREMENTS SHALL BE COMPLETED PRIOR TO CONSTRUCTION.
- 18. 1-1/2" OR 2" WATER SERVICE LINES SHALL BE INSTALLED AS PER CITY OF ARLINGTON STANDARD PLAN W-9 AND W-10. 19. ALL TRENCHING OPERATIONS SHALL BE PERFORMED IN STRICT COMPLIANCE WITH APPLICABLE FEDERAL, STATE, LOCAL AND INDUSTRY SAFETY REGULATIONS AND
- 20. ALL PIPE SHALL BE INSTALLED IN ACCORDANCE WITH THESE SPECIFICATIONS, AWWA SPECIFICATIONS, AND THE INSTRUCTIONS OF THE MANUFACTURER SUBJECT TO THE APPROVAL OF THE CITY. ALL PIPE ENDS SHALL BE SQUARE WITH THE LONGITUDINAL AXIS OF THE PIPE AND ANY DAMAGE TO THE ENDS SHALL BE CUT OFF BEFORE
- THE PIPE SHALL BE LAID IN A STRAIGHT GRADE THROUGH LOCALIZED BREAKS IN GRADE THE EXCAVATION SHALL BE DEEPENED GRADUALLY AT CHANGES IN THE STREET GRADES SO THAT THERE ARE NO ABRUPT CHANGES IN PIPELINE GRADE. TO MAINTAIN THE REQUIRED ALIGNMENT, USE SHORT LENGTHS AND DEFLECT THE JOINTS OR USE NECESSARY BENDS, MAXIMUM DEFLECTION ALLOWED PER DIPRA INSTALLATION GUIDE, 1994

INSTALLATION. WHERE NECESSARY TO CUT THE PIPE, THE PIPE SHALL BE CUT WITH

- EACH PIPE SECTION SHALL BE CAREFULLY LOWERED INTO PLACE IN THE DITCH AFTER INSPECTING IT FOR DEFECTS AND REMOVING ANY GRAVEL OR DIRT, ETC., FROM THE INTERIOR OF THE PIPE.
- WHEN NECESSARY, WATER MAINS TO BE CONSTRUCTED UNDER OTHER UTILITIES SHALL MEET THE MINIMUM COVER REQUIREMENTS.
- 24. WHERE IT IS NECESSARY TO CROSS SANITARY SEWER OR STORM SEWER TRENCHES, ALL TRENCH BACKFILL SHALL BE REMOVED AND REPLACED WITH MECHANICALLY COMPACTED PIT RUN MATERIAL TO PROVIDE A UNIFORM SUPPORT FOR THE FULL LENGTH OF THE PIPE.

#### SANITARY SEWER SYSTEM NOTES:

- 1. PVC PIPE AND FITTINGS SHALL BE INTEGRAL WALL BELL AND SPIGOT, RUBBER GASKET JOINT, PVC CONFORMING TO ASTM 3034 SDR 35.
- 2. 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 THE 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.
- 3. 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 THE SEWER MAIN SIZE IS LESS THEN 8" INSIDE DIAMETER. NO FIELD CUT-IN TEES OR WYES WILL BE ALLOWED UNDER THESE SPECIFICATIONS WITHOUT WRITTEN APPROVAL BY THE CITY.
- 4. 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 WATERTIGHT. ROUGH UNEVEN SURFACES WILL NOT BE PERMITTED.
- 6. 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
- 7. CHANNELS SHALL BE MADE TO CONFORM ACCURATELY TO THE SEWER GRADE AND SHALL BE BROUGHT TOGETHER SMOOTHLY WITH WELL-ROUNDED JUNCTIONS, SATISFACTORY TO THE 8. THE CHANNELS SHALL BE FIELD POURED AFTER THE INLET AND OUTLET PIPES HAVE

BEEN LAID AND FIRMLY GROUTED INTO PIACE 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 9. 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 EXPRESS APPROVAL OF THE ENGINEER. CARE SHALL BE TAKEN STO INSURE THAT THE PIPE AND ITS PROTECTIVE COATINGS ARE NOT DAMAGED. NO ROCKS OR STONE
- 10. 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 I" IN DIAMETER TO 3" IN DIAMETER AND 100% 3" IN DIAMETER OR LESS.

SHALL BE PERMITTED WITHIN 12" OF THE PIPE.

#### N. 1/4 COR. PARCEL B PLAT OF JAY THREE TWO A.F.# 9405315002 PARCEL C PLAT OF JAY THREE THO A.F.# 9405315002 SHORT SUBDIVISION \ A.F.#8909205003 LOT #4 SHORT SUBDIVISION A.F.#8909205003 1" = 100" N 89'46'39" E 30' X 40' COMMON ACCESS EASEMENT PARCEL D LOT #5 PLAT OF JAY THREE TWO A.F.# 9405315002 7-12-99 PARCEL E LOT #7 LOT #6 LOT #8 PLAT OF 31,742 SQ. FT. 0.7287 SQ. FT. JAY THREE TWO A.F.# 9405315002 Δ = 19'32'08" -R = 470.00' ASBUILT LEGEND:

#### SANITARY SEWER SYSTEM NOTES CONTINUED:

11. BEDDING GRAVEL SHALL BE CLEAN SAND/GRAVEL MIXTURE FREE FROM ORGANIC MATTER

MEETING THE	E FOLLOWING	GRADATION	WHEN	TESTED	IN AC
U.S. STAI	NDARD SIEVT	SIZE	<u>%</u>	PASSING	BY W
3/4"			100		
3/8"			70	- 100	
NO. 4			55	- 100	
NO. 10			35	- 95	
NO. 20			20	- 80	
NO. 40			10	- 55	
NO. 100			0 -	- 10	
NO. 200			0 -	3 .	
SAND EQU	IVALENT		35	MINIMUM	

- 12. 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 AND 6 INCHES 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.
- 13. 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" ABOVE THE TOP OF THE SEWER MAIN AND 6" ABOVE THE TOP OF THE WATER MAIN.
- 14. IT IS ASSUMED THAT EXCAVATED MATERIAL IS SUITABLE FOR TRENCH BACKFILL. WHERE EXCAVATED MATERIAL IS NOT APPROVED FOR BACKFILL, GRAVEL BASE, 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.
- 15. 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 CPAW RECOMMENDED SPECIFICATIONS, CURRENT REVISIONS.
- 16. FURTHER, ALL 8" 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, BRIDGE AND MUNICIPAL CONSTRUCTION, FOR ACCEPTANCE, PVC PIPE SHALL NOT HAVE ANY DIAMETER DECREASED BY 5 PER CENT OR MORE.
- 17. 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.
- 17. AT THE TIME OF BUILDING PERMIT INDIVIDUAL LOT OWNERS MAY BE REQUIRED TO INSTALL MONITORING MANHOLES AS REQUIRED BY THE CITY.

#### STORM SEWER SYSTEM NOTES:

- I. ALL 12 INCH AND SMALLER STORM PIPE AND FITTINGS SHALL BE INTEGRAL WALL BELL AND SPIGOT, RUBBER GASKET JOINT, PVC CONFORMING TO ASTM 3034 SDR 35. IF LESS THAN 30" OF COVER P.V.C. 900 OR CL 52 D.I.P. SHALL BE USED.
- 2 ALL 30 INCH STORM PIPE AND FITTINGS SHALL BE CORRUGATED HIGH DENSITY POLY-ETHYLENT. DOUBLE WALLED SMOOTH INTERIOR PIPE SHALL BE USED.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL CATCH BASIN FRAMES AND GRATES JUST PRIOR TO PAVING.

### STORM SEWER SYSTEM NOTES CONTINUED

- 4. ALL CATCH BASINS SHALL BE TYPE I , UNLESS OTHERWISE NOTED.
- 5. ALL CATCH BASINS WITH A DEPTH OVER 5 FEET TO THE FLOWLINE SHALL BE TYPE 2 C.B.
- 6. ALL GRATES (INLET & CATCH BASINS) SHALL BE PLACED AT THE PAVEMENT LEVEL.
- 7. ALL STEEL PIPES, CULVERTS, TANKS, AND OTHER STEEL PARTS OF ANY STORM SYSTEM SHALL BE GALVANIZED OR HAVE A TREATMENT 2(TWO) ASPHALT COATING OR BETTER. AS SPECIFIED IN THE W.S.D.O.T. STANDARD SPECIFICATIONS. ALUMINUM AND CONCRETE PIPES AND STRUCTURES DO NOT REQUIRE A TREATMENT I COATING.

#### OTHER GENERAL NOTES:

- 1. TRENCH BACKFILL OF NEW UTILITIES SHALL BE COMPACT TO 95% RELATIVE COMPACTION UNDER ROADWAYS AND 90% RELATIVE COMPACTION OFF ROADWAYS, AS SPECIFIED IN SECTION 2-03-.3(14)D AND SECTION 2-03(14)B
- 2. STOCKPILES ARE TO BE LOCATED IN SAFE AREAS AND ADEQUATELY PROTECTED BY TEMPORARY SEEDING AND MULCHING. HYDRO-SEED PREFERRED.
- 3. IMMEDIATELY FOLLOWING FINISH GRADING, PERMANENT VEGETATION (CONSISTING OF RAPID, PERSISTENT AND LEGUME) WILL BE APPLIED. (MINIMUM 12# PER 1000 SQ. FT.). THE FOLLOWING MIX SHALL BE USED AND IS TO BE 98% PURE:
  - 10% COLONIAL BENTGRASS 40% PERENNIAL RYE 40% CREEPING RED FESCUE 10% WHITE DUTCH CLOVER

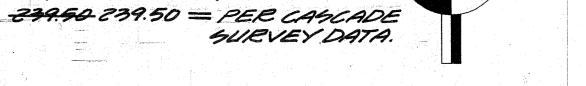
2-03-.3(14)C, METHOD B & C.

- HYDRO-SEED PREFERRED 4. IN ANY WORK AREA WHICH HAS BEEN STRIPPED OF VEGETATION AND WHERE NO FURTHER WORK IS ANTICIPATED FOR A PERIOD OF 30 DAYS OR MORE OR IF DETERMINED BY THE CITY ENGINEER TO HAVE THE POTENTIAL OF SEVERE EROSION OR SEDIMENTATION, DISTURBED AREAS MUST BE IMMEDIATELY STABILIZED BY MULCHING, HYDROSEEDING, OR OTHER APPROVED EROSION CONTROL MEASURE APPLICABLE TO THE TIME OF YEAR.
- 5. A 10-FOOT HORIZONTAL SEPARATION MUST BE MAINTAINED BETWEEN ALL SANITARY SEWER LINES AND WATER LINES. A 5-FOOT MINIMUM HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN ALL WATER FACILITIES AND UNDERGROUND POWER AND TELEPONE FACILITIES, UNLESS OTHERWISE APPROVED.
- 6. THE DEVELOPER/PROJECT ENGINEER IS RESPONSIBLE FOR WATER QUALITY AS DETERMINED BY THE MONITORING PROGRAM, ESTABLISHED BY THE PROJECT ENGINEER. THE PROJECT ENGINEER'S NAME AND TELEPHONE NUMBER ARE CASCADE SURVEYING AND ENGINEERING, 435-5551.
- 7. NON COMPLIANCE WITH THE EROSION CONTROL REQUIREMENTS, WATER QUALITY REQUIREMENTS AND CLEARING LIMITS VIOLATIONS MAY RESULT IN REVOCATION OF PROJECT PERMITS, PLAN APPROVAL AND BOND FORECLOSURES

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND/OR REPAIRING

ASPHALT AND GRAVEL SURFACES DISTURBED AS A RESULT OF THIS CONSTRUCTION

- UNTIL THEY ARE ACCEPTED BY THE CITY. 9. ALL PIPE SHALL BE PLACED ON STABLE EARTH, FOR IF IN THE OPINION OF THE CITY ENGINEER THE EXISTING FOUNDATION IS UNSATISFACTORY, THEN IT SHALL BE EXCAVATED BELOW GRADE AND BACKFILLED TO GRADE WITH SAND-GRAVEL, CRUSHED ROCK OR OTHER SUITABLE MATERIAL. NEVER INSTALL PIPE ON SOD,
- FROZEN EARTH, LARGE BOULDERS OR ROCK. 10. THE BACKFILL SHALL BE PLACED EQUALLY ON BOTH SIDES OF THE PIPE OR PIPE-ARCH IN LAYERS WITH A LOOSE AVERAGE DEPTH OF 6", MAXIMUM DEPTH 8", THOROUGHLY TAMPING EACH LAYER. THESE COMPACTED LAYERS MUST EXTEND FOR ONE DIAMETER ON EACH SIDE OF THE PIPE OR TO THE SIDE OF THE TRENCH. MATERIALS TO COMPLETE THE FILL OVER PIPE SHALL BE THE SAME AS DESCRIBED. (REFER TO WSDOT STD. SPEC. 7-04-3(3) AND STD. SPEC.
- II. ALL FILLS SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY BY MODIFIED PROCTOR TEST.



DATUM: NGVD 1929

CONTOUR DATA BASED ON 1992, AERIAL PHOTO.

.204th S

NOT TO SCALE!

ELEVATION DIFFERENCE ±2'.

LEGAL DESCRIPTION:

FILE NUMBER 9405315002

APPLICANT:

AGBUILT

PARCEL "A" OF THE PLAT OF JAY THREE TWO RECORDED IN

VOLUME 57 OF PLATS ON AGES 24 - 25 UNDER AUDITOR'S

GRANT JENSEN

804 S. HAZEL AVE.

ARLINGTON, WA 98223

PH: (360) 435-9587

~ PROPERTY LINE
 — ~ LOT LINE
~ 2 FOOT CONTOUR INTERV
~ CL ROAD
FASEMENT

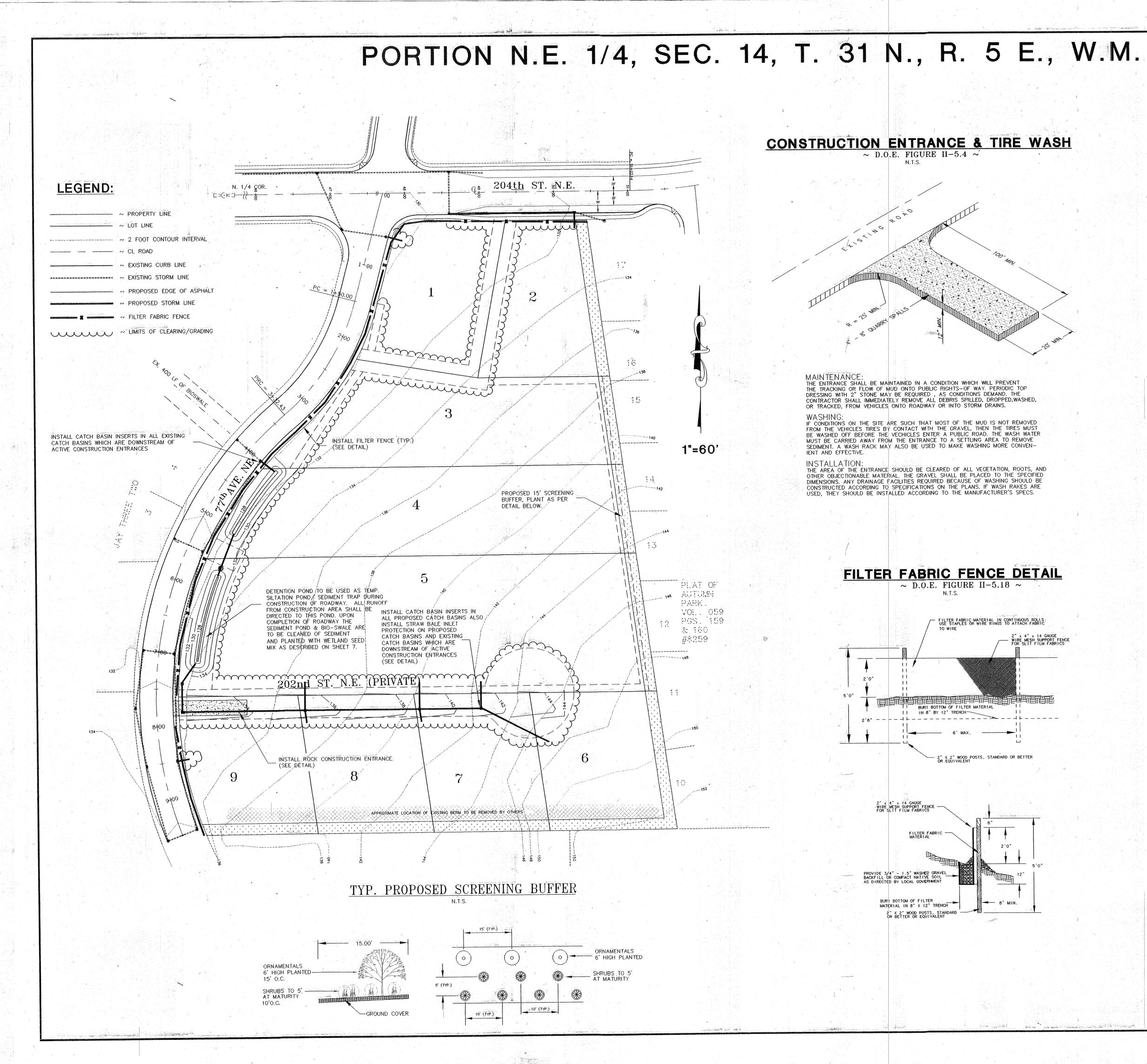
#### CONSTRUCTION SEQUENCE AND SCHEDULE:

- 1. SET UP PRE-CONSTRUCTION MEETING WITH CITY OF ARLINGTON
- 2. INSTALL T.E.S.C. FILTERS AS SPECIFIED ON SHEET 2. 3. THE CLEARING AND GRUBBING OF 202nd ST. N.E.
- 4. THE ROUGH GRADING OF 202nd ST. N.E., AND 204th ST. N.E. WIDENING.
- 5. INSTALL SEWER.
- 6. INSTALL ALL CULVERTS AND DRAINAGE STRUCTURES.
- 7. INSTALL WATER.
- 8. INSTALL CURB AND GUTTER ALONG 204th ST. N.E. 9. THE FINAL GRADING, AND GRAVELING OF THE ROADS.
- 10. THE PAVING OF ALL THE ROADS.
- 11. SEED ALL DISTURBED AREAS.
- \*\*\* CONSTRUCTION TO START AS SOON AS THE PROJECT IS APPROVED AND IT WILL PROCEED IN A TIMELY MANNER.

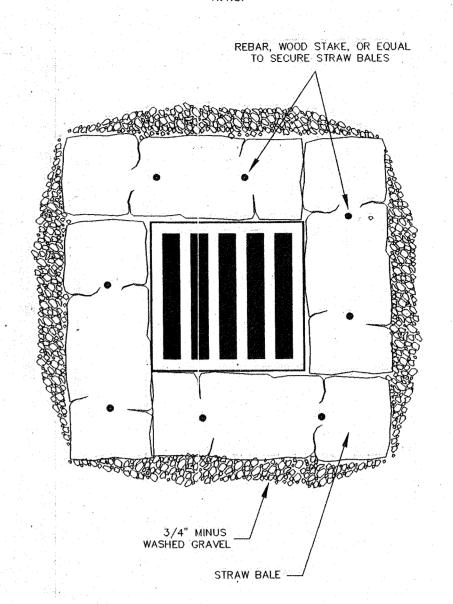
		DRAWING INDEX	The state of the s
	#	DESCRIPTION	FILE NAME
	1	COVERSHEET	/CONSDWG/12300EN1.DWG
	2	T.E.S.C. PLAN	/CONSDWG/12300EN2.DWG
	3	LOTS 1 & 2 FRONTAGE	/CONSDWG/12300EN3.DWG
	4	77 <u>th</u> AVE. FRONTAGE	/CONSDWG/12300EN4.DWG
	5	202 <u>nd</u> ST. (SEWER, WATER)	/CONSDWG/12300EN5.DWG
	6	202 <u>nd</u> ST. (ROAD, STORM)	/CONSDWG/12300EN6.DWG
	7	202nd ST. DETENTION SYSTEM	/CONSDWG/12300EN7.DWG
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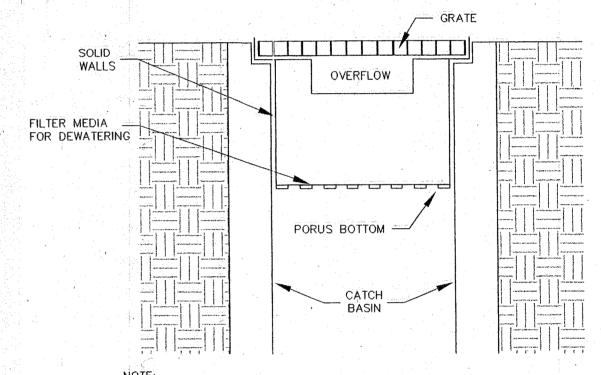
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## STRAW BALE INLET PROTECTION



# CATCH BASIN INSERT



THIS DETAIL IS ONLY SCHEMATIC. ANY INSERT IS ALLOWED THAT HAS A MIN. OF 0.5 C.F. OF STORAGE, THE MEANS TO DEWATER THE STORED SEDIMENT, AND OVERFLOW. AND CAN BE EASILY MAINTAINED.

## T.E.S.C. NOTES:

 $\sim$  D.O.E. FIGURE II-5.18  $\sim$ 

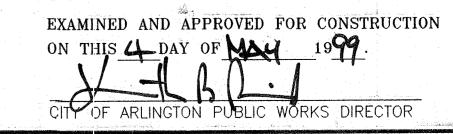
BURY BOTTOM OF FILTER MATERIAL

BURY BOTTOM OF FILTER MATERIAL IN 8" X 12" TRENCH

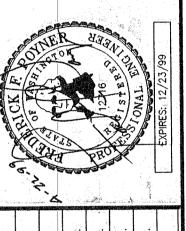
FILTER FABRIC MATERIAL IN CONTINUOUS ROLLS USE STAPLES OR WIRE RINGS TO ATTACH FABRIC

2" X 2" WOOD POSTS, STANDARD OR BETTER OR EQUIVALENT

- NON COMPLIANCE WITH THE EROSION CONTROL REQUIREMENTS, WATER QUALITY REQUIREMENTS AND CLEARING LIMITS VIOLATIONS MAY RESULT IN REVOCATION OF PROJECT PERMITS, PLAN APPROVAL AND BOND FORECLOSURES.
- 2. PRIOR TO ANY SITE CONSTRUCTION TO INCLUDE CLEARING/LOGGING OR GRADING THE SITE/LOT CLEARING LIMITS SHALL BE LOCATED AND FIELD IDENTIFIED BY THE PROJECT SURVEYOR/ENGINEER AS REQUIRED BY THESE PLANS. THE PROJECT SURVEYOR/ENGINEERS NAME AND TELEPHONE NUMBER ARE CASCADE SURVEYING AND ENGINEERING, (360) 435-5551.
- 3. THE DEVELOPER/PROJECT ENGINEER IS RESPONSIBLE FOR WATER QUALITY AS DETERMINED BY THE MONITORING PROGRAM, ESTABLISHED BY THE PROJECT ENGINEER. THE PROJECT ENGINEER'S NAME AND TELEPHONE NUMBER ARE CASCADE SURVEYING AND ENGINEERING, (360) 435-5551.
- 4. THE TEMPORARY EROSION/SEDIMENTATION CONTROL FACILITY SHALL BE CONSTRUCTED PRIOR TO ANY GRADING OR EXTENSIVE LAND CLEARING IN ACCORDANCE WITH THE APPROVED TEMPORARY EROSION/SEDIMENTATION CONTROL PLAN. THESE FACILITIES MUST BE SATISFACTORILY MAINTAINED UNTIL CONSTRUCTION AND LANDSCAPING IS COMPLETED AND THE POTENTIAL FOR ON-SITE
- 5. ALL SITE WORK MUST COMPLY TO CHAPTER 33 OF THE UNIFORM BUILDING CODE. (1994 EDITION)
- 6. ALL EARTH WORK SHALL BE PERFORMED IN ACCORDANCE WITH CITY STANDARDS. PRECONSTRUCTION SOILS INVESTIGATION MAY BE REQUIRED TO EVALUATE SOILS STABILITY.
- 7. PUBLIC STREETS ARE TO BE KEPT CLEAR FOR DIRT AND DEBRIS DURING EXCAVATION AND FILL OPERATIONS
- 8. THE SITE SOILS ARE GENERALLY CONSIDERED MOISTURE SENSITIVE AND AS SUCH ARE SUSEPTIBLE TO DISTURBANCE BY CONSTRUCTION EQUIPMENT, PARTICULARLY DURING PERIODS OF WET WEATHER. THE GRADING CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO LIMIT SURFACE DISTURBANCE AND PROTECT THE SITE GRADING AREA FROM EXCESSIVE RUNOFF EROSION.
- 9. ALL DISTURBED AREAS AND TEMPORARY STOCK PILES SHALL BE SEEDED WITH A TEMPORARY SEED MIX CONSISTING OF 10% COLONIAL BENTGRASS, 40% PERENNIAL RYE, 40% CREEPING RED FESCUE, 10% WHITE CLOVER. HYDRO-SEED PREFERRED.
- 10. CATCH BASIN INSERTS SHALL BE INSTALLED IN ALL EXISTING CATCH BASINS THAT ARE DOWNSTREAM OF ACTIVE CONSTRUCTION ENTRANCES.







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