CITY OF ARLINGTON

SNOHOMISH COUNTY

WASHINGTON

ARLINGTON AIRPORT SEWER EXTENSION



Margaret Larson
Mayor

Cheri Carlson

Chairperson

Tom Wright

John Swizer

A J Chase

Jeff Morgan

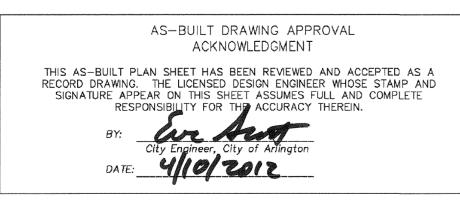
Barbara Tolbert

Don Munson

Airport Commission

CALL BEFORE YOU DIG (800) 424-5555

ARLINGTON MUNICIPAL AIRPORT 18204 59TH DR. NE ARLINGTON, WA 98223 (360) 403-3470



RECORD DRAWING

Based upon best available information obtained during construction.

Date: 02/13/2012

By: S.D.C.

Checked By: S.A.C.



CONSULTING ENGINEERS
701 DEXTER AVENUE NORTH SUITE 200
SEATTLE, WASHINGTON 98109 (206) 284-0860

SUMMARY OF QUANTITIES			
ITEM	QUANTITY	UNIT	
PVC SEWER MAIN	383	LINEAR FEET	
SEWER MANHOLES (48" DIAMETER)	2	EACH	

SYMBOL LEGEN **ABBREVIATIONS DESCRIPTION** EXISTING PROPOSED **AVENUE** ASBESTOS CEMENT PIPE **ADJUST** CURB & GUTTER ALTERNATE ALUMINUM -444----444---444---444---ASPHALT PAVEMENT AMERICAN NATIONAL STANDARDS INSTITUTE ANSI **ASPH ASPHALT** AMERICAN SOCIETY OF TESTING AND MATERIALS GRAVEL SURFACING **ASTM** ASSY **ASSEMBLY** BF BLIND FLANGE CONCRETE SURFACING BUILDING BLK BLOCK BO **BLOW OFF** CONCRETE SIDEWALK CENTER CORRUGATED ALUMINUM PIPE CB CATCH BASIN RIGHT-OF-WAY LINE CAST IRON CENTER LINE CLR CLEARANCE CENTERLINE OF ROADWAY CORRUGATED METAL PIPE CMP CO CLEANOUT PROPERTY LINE CONC CONCRETE CONDUIT PERMANENT EASEMENT LINE CONNECTION CONTR CONTRACTOR TEMPORARY EASEMENT LINE CONT CONTINUOUS CORRUGATED POLYETHYLENE PIPE CPEP — - - 10 - - - CONTOUR LINE **CPLG** COUPLING CUBIC YARD CY CONT CONTINUED BURIED ELECTRICAL CL CLASS BURIED TELEPHONE CUBIC FEET CUBIC FEET PER SECOND CFS DC DI DEGREE OF CURVATURE WATER MAIN (SIZE AS NOTED) DUCTILE IRON DIA DIAMETER GAS MAIN DOT DEPARTMENT OF TRANSPORTATION DIM DIMENSION IRRIGATION LINE -----DWGS DRAWING(S) SANITARY SEWER EDGE OF ASPHALT EAST SANITARY SEWER MANHOLE **ELEVATION** STORM DRAIN (SIZE AS NOTED) **ELBOW** ELECTRICAL SANITARY SEWER FORCE MAIN EXIST EXISTING FIG **FIGURE** DITCH ... FIN **FINISHED FLANGE** FEET CULVERT (SIZE & TYPE AS NOTED) >-----(FORCE MAIN GAUGE GALVANIZED FENCE (TYPE AS NOTED) --X----X----X----X---GALVANIZED IRON GATE VALVE HIGH DENSITY POLYETHYLENE PIPE INSIDE DIAMETER FENCE (WITH GATE) INVERT ELEVATION **INVERT** INV POWER VAULT Р LENGTH TELEPHONE VAULT LB POUND LINEAR FEET MAX MAXIMUM TELEPHONE MANHOLE MANUFACTURER MFR MANHOLE MANHOLE OR DRYWELL (AS NOTED) MINIMUM MECHANICAL JOINT MISC MISCELLANEOUS CLEANOUT NORTH NO NUMBER NTS NOT TO SCALE TYPE 1 CATCH BASIN OR CURB INLET OC OD ON CENTER OUTSIDE DIAMETER TYPE 2 CATCH BASIN POINT OF INTERSECTION PP POWER POLE POINT OF VERTICAL INTERSECTION PVI POLE WITH GUY WIRE PLAIN END PERF PERFORATED PVC POLYVINYL CHLORIDE -0-POWER / TELEPHONE / GUY POLE **PVMT** PAVEMENT PVT POINT OF VERTICAL TANGENT POINT OF CURVATURE -LUMINAIRE PT POINT OF TANGENCY QTY RET RR QUANTITY YARD LIGHT RETAINING RAILROAD JUNCTION BOX (AS NOTED) **RADIUS** RED **REDUCER** GATE VALVE REINF REINFORCE REQD REQUIRED BUTTERFLY VALVE R/W RIGHT-OF-WAY SLOPE WATER METER SOUTH SCH SF SCHEDULE FIRE HYDRANT SQUARE FEET SHT SHEET REDUCER SPECS SPECIFICATIONS SQ STA **SQUARE** STATION THRUST BLOCK STD TC TEL STANDARD TOP OF CURB TRANSITION COUPLING OR TELEPHONE FLANGE COUPLING ADAPTER THRD THREADED THRU THROUGH CAP/PLUG TYP TYPICAL

BLOW-OFF

WELL

VERT

VERTICAL

WITHOUT

WEST WITH

ND		
EXISTING	PROPOSED	DESCRIPTION
		MAIL BOX (NOTED)
.Д.		SIGN
		RIP RAP
\coprod		EMBANKMENT
NOTED		TREE (CONIFER)
NOTED		TREE (DECIDUOUS)
Ever not		SHRUBS
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		WET LANDS
		BUILDINGS
		ROCK WALL
\otimes		ELEVATION POINT
\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tin}}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tin}}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tin}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tetx{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tetx}\\ \text{\text{\text{\text{\text{\text{\text{\text{\tex{\tex		MONUMENT
0		BORING AND TEST PIT LOCATIONS
		SECTION CORNER

1/4 CORNER

BENCH MARK

OWNERSHIP TIE

- DETAIL NUMBER

-REFERENCE SHEET

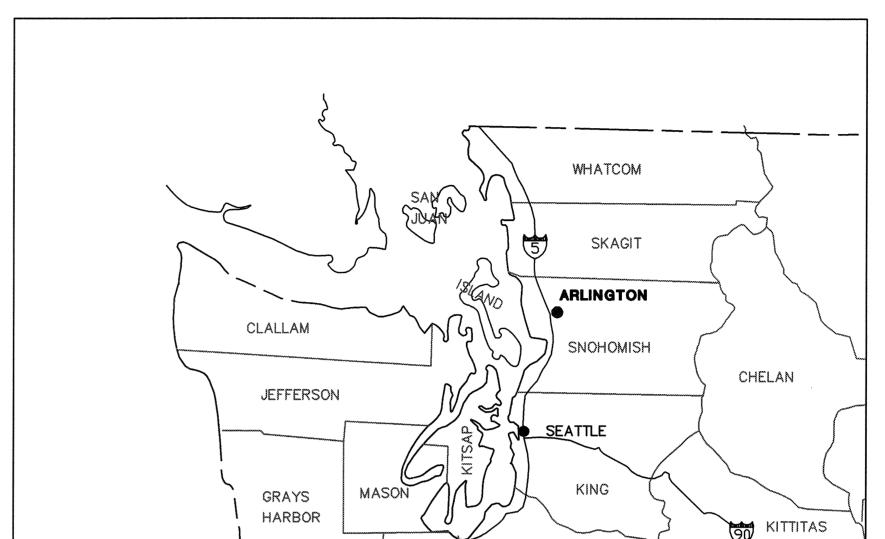
ANGLE POINT / CONTROL POINT

	1	HORIZONT	AL/VERTICA	AL CONTROL
POINT C.P.) No.	COORE	DINATES	VERTICAL ELEVATION	DESCRIPTION
1	425279.92			MAG NAIL/TAG "G&O CONTROL", E. SIDE AIRPORT, 50' E. OF GATE, 27'@S10E FROM NE COR 3' CHAIN FENCE
2	425318.51	1318468.00	132.26	MAG NAIL/TAG "G&O CONTROL", E. SIDE AIRPORT,85' N. OF NE COR OF HANGER 'D', IN CONC. SEAM
3	425670.55	1318471.11	132.79	MAG NAIL/TAG "G&O CONTROL", 36'@N3OW FROM NW COR OF RESTORATION BLDG
4	425559.30	1318661.62	134.34	MAG NAIL/TAG "G&O CONTROL", W. SIDE OF ACCESS RD. E. OF SE FENCE COR, E. OF RESTORATION BLDG
163	423039.60	1318662.05	127.59	MON IN CASE DOWN 0.9', WSDOT GP31531-163, 1998

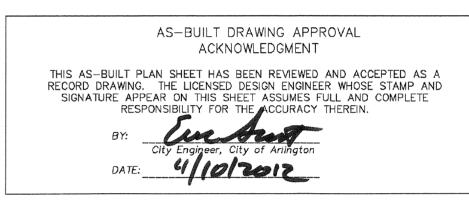
NOTE: HORIZONTAL DATUM: NAD83[91]
VERTICAL DATUM: NAVD88

1

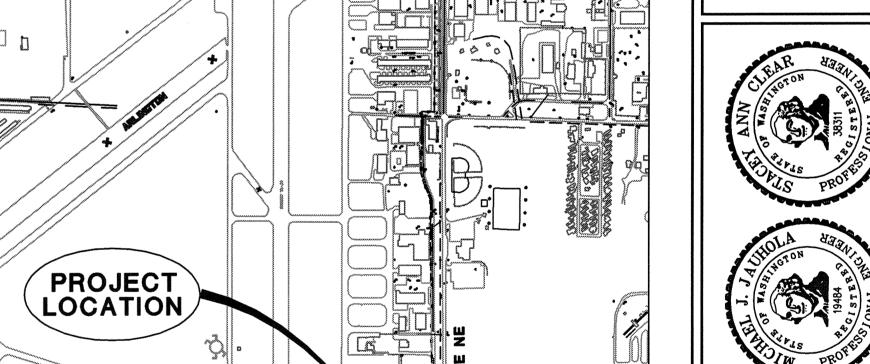
	INDEX
SHEET NO.	DESCRIPTION
1	VICINITY & LOCATION MAPS, SYMBOL LEGEND, ABBREVIATIONS, SURVEY CONTROL AND INDEX
2	PLAN
3	PROFILE
4	DETAILS
5	SEWER NOTES AND T.E.S.C. DETAILS



VICINITY MAP NOT TO SCALE



RECO	RD DRAWING
Based upon i obtained	best available information during construction.
Date:	2/13/2012
Ву:	S.D.C.
	S.A.C.
Date:	02/13/2012 S.D.C.

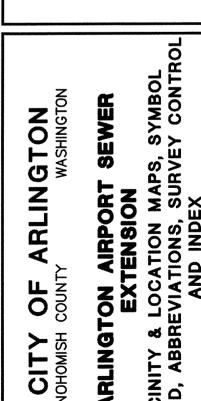


本事。

LOCATION MAP

SCALE: 1"=750'

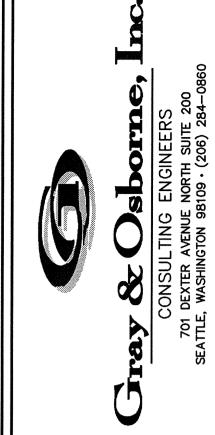
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SHEET: OF:	1 5
JOB NO.: 08	594 1 LEGEND

- 1

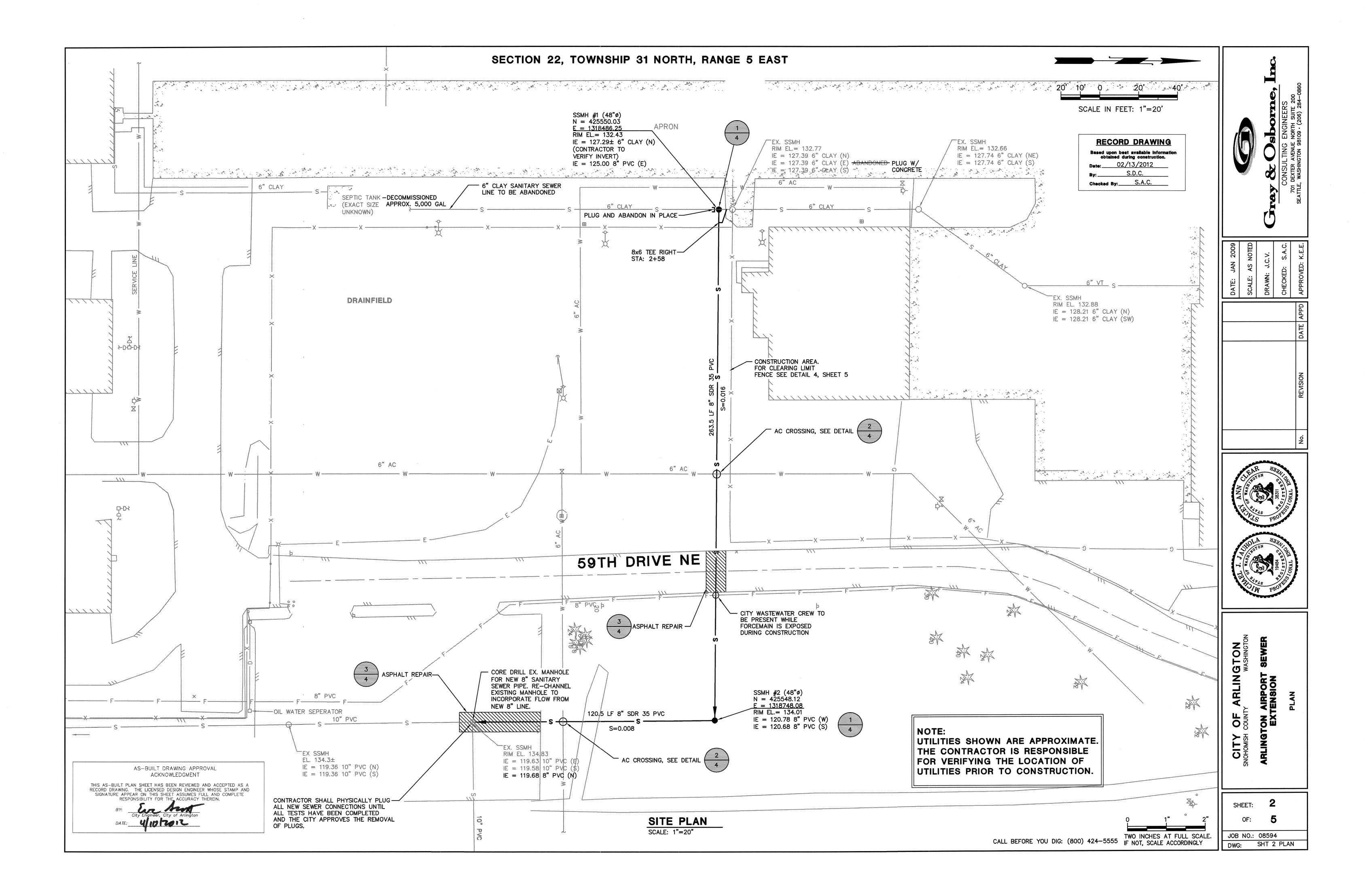
172ND ST NE

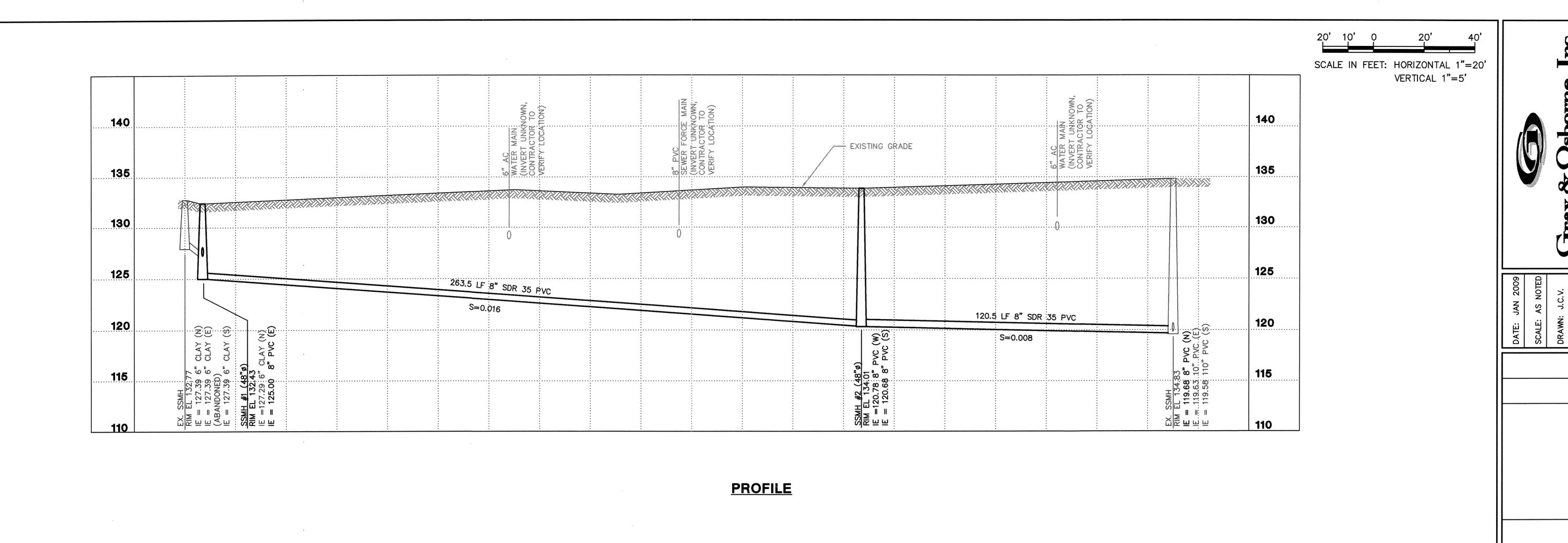


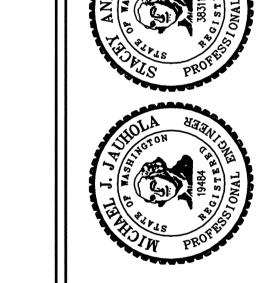
DATE: JAN 2009	SCALE: AS NOTED	DRAWN: J.C.V.	CHECKED: S.A.C.	

DATE APPD	
DATE	
REVISION	
No.	









RECORD DRAWING

Based upon best available information obtained during construction.

Date: 02/13/2012

By: S.D.C.

AS—BUILT DRAWING APPROVAL
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, City of Arlington

DATE:

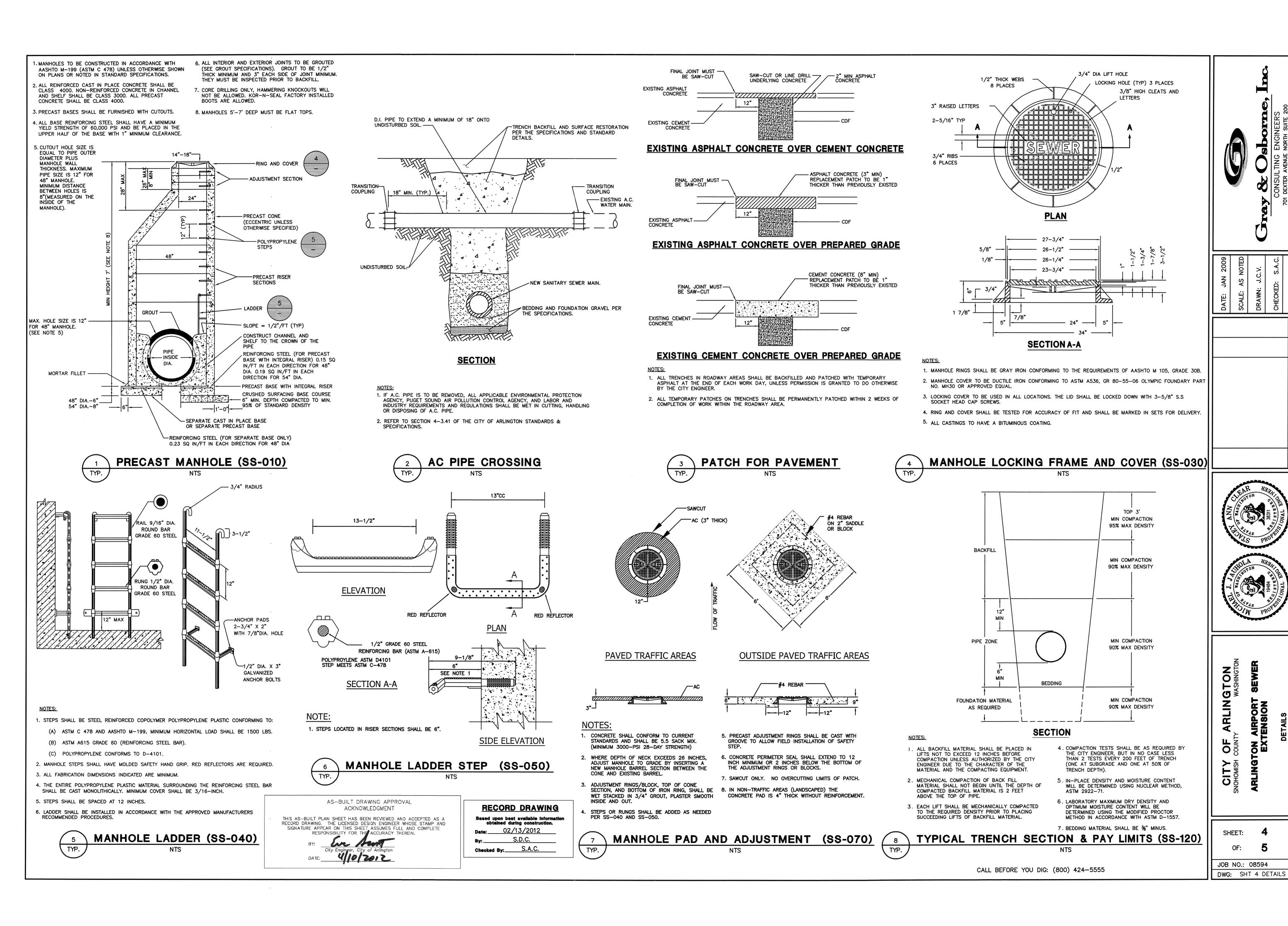
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TWO INCHES AT FULL SCALE. IF NOT, SCALE ACCORDINGLY

CITY OF ARLINGTON SNOHOMISH COUNTY WASHINGTON AIRPORT SEWER EXTENSION

SHEET: **3**OF: **5**JOB NO.: 08594

DWG: SHT 3 PROFILE



T.E.S.C.

- 1. APPROVAL OF THE TEMPORARY EROSION/SEDIMENT CONTROL (TESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR STORM DRAINAGE DESIGN
- 2. TESC PLAN MEETING THE DOE STORM WATER MANAGEMENT MANUAL ADOPTED BY THE CITY SHALL BE SUBMITTED TO THE CITY FOR APPROVAL PRIOR TO ANY WORK ON THE SITE. AN APPROVED COPY MUST BE MAINTAINED ON—SITE AND BE READILY AVAILABLE TO THE CITY INSPECTOR AT THEIR REQUEST.
- 3. THE TESC BMP'S SHOWN ON THE PLAN MUST BE INSTALLED PRIOR TO ALL OTHER CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT—LADDEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM, LEAVE THE SITE, OR VIOLATE APPLICABLE WATER QUALITY STANDARDS. MAINTENANCE, REPALCEMENT, AND UPGRADING OF THE TESC PLAN IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETE AND APPROVED BY THE
- 4. THE BOUNDARIES OF THE CLEARING LIMITS, SHOWN ON THE TESC PLAN, SHALL BE CLEARLY FENCED OR FLAGGED IN THE FIELD PRIOR TO STARTING CONSTRUCTION. NO DISTURBANCE BEYOND THE FENCED OR FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FENCING AND/OR FLAGGING SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF THE CONSTRUCTION PROJECT.
- 5. THE TESC FACILITIES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS FOR THE ANTICIPATED SITE CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, THESE TESC FACILITIES SHALL BE UPGRADED AND ADDED TO AS NEEDED, FOR UNEXPECTED STORM EVENTS AND TO REFLECT CHANGED CONDITIONS, AS REQUIRED BY THE
- 6. THE CONTRACTOR SHALL PROVIDE THE CITY A 24—HOUR EMERGENCY CONTACT PHONE NUMBER OF THE CONTRACTOR'S CERTIFIED EROSION CONTROL SUPERVISOR PRIOR TO STARTING CONSTRUCTION.
- 7. THE TESC FACILITIES SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE CONTINUED FUNCTION AND OPERATION.
- 8. BETWEEN OCTOBER 1 AND APRIL 30, DISTURBED AREAS THAT ARE TO BE LEFT UNWORKED FOR MORE THAN TWO DAYS SHALL BE IMMEDIATELY COVERED BY MULCH, SOD OR PLASTIC COVERING. BETWEEN MAY 1 AND SEPTEMBER 30, DISTURBED AREAS THAT ARE TO BE LEFT UNWORKED FOR MORE THAN SEVEN DAYS SHALL BE IMMEDIATELY COVERED BY SEEDING OR OTHER APPROVED METHODS.
- 9. SEDIMENT DEPOSITS SHELL BE REMOVED FROM ALL CATCH BASINS, PRE-TREATMENT/SEDIMENT POND, AND SEDIMENT TRAPS UPOM REACHING A DEPTH OF 12 INCHES.
- 10. ANY PERMINENT RETENTION/DETENTION FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES, SHALL PROVIDE ADEQUATE STORAGE CAPACITY, AND SHALL BE CLEANED OUT ENTIRELY ONCE THE SITE IS STABILIZED. IF THE PERMANENT FACILITY IS TO ULTIMATELY FUNCTION AS AN INFILTRATION SYSTEM, THE FACILITY SHALL NOT BE USED AS A TEMPORARY SETTLING BASIN.
- 1. WHERE SEEDING FOR TEMPORARY EROSION CONTROL IS REQUIRED, FAST GERMINATING GRASSES SHALL BE APPLIED AT AN APPROXIMATE RATE OF 120 LBS PER ACRE.
- 12. WHERE STRAW MULCH FOR TEMPORARY EROSION CONTROL IS REQUIRED, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF 3 INCHES, OR 3,000 POUNDS PER ACRE.
- 13. SOIL STOCKPILES SHALL BE STABILIZED WITHIN 24 HOURS. WHEN ACTIVELY WORKING WITH THE SOIL STOCKPILE, STABILIZATION BY GROUND COVER BMPS SHALL OCCUR AT THE END OF EACH WORK DAY.
- 14. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- 15. MAINTENANCE AND REPAIR OF TESC FACILITIES AND STRUCTURES SHALL BE CONDUCTED IMMEDIATELY UPON RECOGNITION OF A PROBLEM OR WHEN THE TESC MEASURES BECOME DAMAGED.
- 16. UPON COMPLETION OF THE PROJECT, ALL BMP'S SHALL BE REMOVED FROM THE SITE AND RIGHT OF WAY. IF BMP'S ARE REQUIRED TO REMAIN IN PLACE FOR FURTHER PROTECTION, ARRANEMENTS FOR REMOVAL SHALL BE MADE WITH THE CITY INSPECTOR.

FILTER FENCE

- 1. THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6 INCH OVERLAP, AND BOTH ENDS SECURELY FASTENED TO THE POST.
- 2. POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART AND DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 30 INCHES (WHERE PHYSICALLY POSSIBLE).

- 3. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 8 INCHES WIDE AND 8 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER. THE TRENCH SHALL BE CONSTRUCTED TO FOLLOW THE CONTOUR.
- 4. WHEN SILT FILM FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING TIE WIRES, HOG RINGS, OR HEAVY—DUTY WIRE STAPLES AT LEAST 1 INCH LONG. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 4 INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
- 5. SILT FILM FILTER FABRIC SHALL BE WIRED TO THE FENCE, AND 20 INCHES OF THE FABRIC SHALL EXTEND INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES. OTHER TYPES OF FABRIC MAY BE STAPLED TO THE FENCE
- 6. WHEN EXTRA—STRENGTH OR MONOFILAMENT FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS WITH ALL OTHER PROVISIONS OF FILTER FENCE NOTE 5 APPLYING. EXTRA CARE SHOULD BE USED WHEN JOINING OR OVERLAPPING THESE STIFFER FABRICS.
- 7. FILTER FABRIC FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED. RETAINED SEDIMENT MUST BE REMOVED AND PROPERLY DISPOSED OF, OR MULCHED AND SEEDED.

FILTER FENCE MAINTENANCE

- 8. INSPECT IMMEDIATELY AFTER EACH RAINFALL, AND AT LEAST DAILY DURING PROLONGED RAINFALL. REPAIR AS NECESSARY.
- 9. SEDIMENT MUST BE REMOVED WHEN IT REACHES APPROXIMATELY ONE THIRD THE HEIGHT OF THE FENCE, ESPECIALLY IF HEAVY RAINS ARE EXPECTED.
- 10. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE FILTER FENCE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEEDED.
- 11. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY "BEST MANAGEMENT PRACTICES" ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON SITE. DISTURBED SOIL AREAS RESULTING FROM REMOVAL SHALL BE PERMANENTLY STABILIZED

HYDROSEEDING

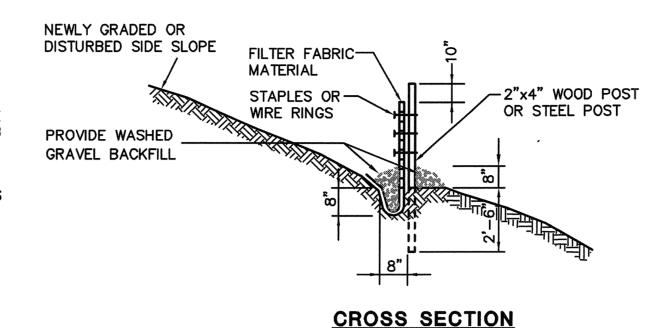
- CONSTRUCTION ACCEPTANCE: WILL BE SUBJECT TO A
 WELL-ESTABLISHED GROUND COVER THAT FULFILLS THE
 REQUIREMENT OF THE APPROVED CONSTRUCTION PLANS,
 SCC TITLE 30 (SNOHOMISH COUNTY DRAINAGE
 ORDINANCE), AND WSDOT.
- 2. ALL DISTURBED AREAS SHALL BE SEEDED PER PROJECT SPECIFICATIONS TO MINIMIZE EROSION. GRASS SEEDING SHALL BE DONE USING AN APPROVED HYDROSEEDER OR AS OTHERWISE APPROVED BY THE DISTRICT.
- 3. PREPARATION OF SURFACE: ALL AREAS TO BE SEEDED SHALL BE CULTIVATED TO THE SATISFACTION OF THE DISTRICT, WSDOT AND SNOHOMISH COUNTY. THIS MAY BE ACCOMPLISHED BY DISKING, RAKING, HARROWING OR OTHER ACCEPTABLE MEANS.
- 4. FERTILIZER: SHALL BE APPLIED AT 400# PER ACRE OF 10-20-20 (10 POUNDS PER 1100 SQUARE FEET) OR EQUIVALENT. DEVELOPMENTS ADJACENT TO WATER BODIES SHALL USE NON-PHOSPHORUS FERTILIZER.

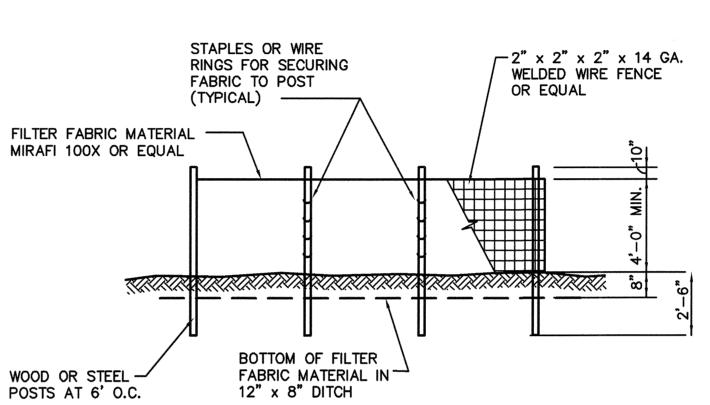
CLEAR PLASTIC COVERINGS:

- 1. CLEAR PLASTIC COVERINGS SHALL HAVE A MINIMUM THICKNESS OF 6 MIL AND MEET THE REQUIREMENTS OF WSDOT/APWA SECTION 9-14.5.
- 2. COVERING SHALL BE INSTALLED ON EXPOSED SLOPES SUBJECT TO EROSION AND MAINTAINED TIGHTLY IN PLACE BY USING SANDBAGS OR TIRES OR ROPES WITH A MAXIMUM 10 FOOT GRID SPACING IN ALL DIRECTIONS. ALL SEAMS SHALL BE TAPED OR WEIGHTED DOWN FULL LENGTH AND THERE SHALL BE AT LEAST A 1 TO 2 FOOT OVERLAP OF ALL SEAMS. SEAMS SHOULD THEN BE ROLLED AND STAKED OR TIED.
- 3. COVERING SHALL BE INSTALLED IMMEDIATELY ON AREAS SEEDED BETWEEN OCTOBER 1 TO APRIL 30 AND REMAIN UNTIL VEGETATION IS FIRMLY ESTABLISHED.
- WHEN THE COVERING IS USED ON UNSEEDED SLOPES, IT SHALL BE LEFT IN PLACE UNTIL THE NEXT SEEDING PERIOD.
- 5. SHEETING SHOULD BE TOED IN AT THE TOP OF THE SLOPE TO PREVENT SURFACE FLOW BENEATH THE PLASTIC.
- 6. SHEETING SHOULD BE REMOVED AS SOON AS IS POSSIBLE ONCE VEGETATION IS WELL ESTABLISHED TO PREVENT BURNING THE VEGETATION.
- 7. CHECK SHEETING REGULARLY FOR RIPS AND PLACES WHERE THE PLASTIC MAY BE DISLODGED. CONTACT BETWEEN THE PLASTIC AND THE GROUND SHOULD ALWAYS BE MAINTAINED. ANY AIR BUBBLES FOUND SHOULD BE REMOVED IMMEDIATELY OR THE PLASTIC MAY RIP DURING THE NEXT WINDY PERIOD. RE—ANCHOR OR REPLACE THE PLASTIC AS NECESSARY.

SEWED

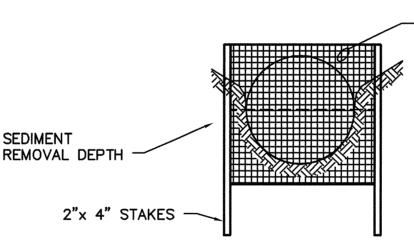
- ALL WORK SHALL BE IN ACCORDANCE WITH THE APPROVED PLANS, AND CURRENT EDITION OF THE CITY OF ARLINGTON STANDARDS AND SPECIFICATIONS. ANY CHANGES TO THE DESIGN REQUIRES CITY APPROVAL.
- 2. ALL MATERIALS SHALL CONFORM TO THE CITY OF ARLINGTON STANDARDS AND SPECIFICATIONS AND THE MATERIAL SUBMITTALS SHALL BE APPROVED BY THE CITY BEFORE SCHEDULING THE PRECONSTRUCTION CONFERENCE AND BEFORE THE MATERIALS ARE DELIVERED TO THE JOB SITE. ONCE THE MATERIALS ARE DELIVERED TO THE JOB SITE THE INSPECTOR WILL DETERMINE IF THE MATERIALS WERE MANUFACTURED TO MEET THE REQUIREMENTS OF THE CITY OF ARLINGTON STANDARDS AND SPECIFICATIONS BEFORE THE MATERIALS CAN BE INSTALLED.
- ALL SEWER MAINS AND SIDE SEWER STUBS SHALL BE FIELD STAKED FOR GRADES AND ALIGNMENT BY A SURVEYOR PRIOR TO CONSTRUCTION. THE CONSTUCTION STAKES MUST SHOW THE STATION AND OFFSET TO THE ALIGNMENT.
- 4. THE CITY OF ARLINGTON WASTEWATER DIVISION SHALL BE NOTIFIED A MINIMUM OF 48 HOURS IN ADVANCE OF A TAP OR CONNECTION TO AN EXISTING SANITARY SEWER MAIN. THE INSPECTOR SHALL BE PRESENT AT THE TIME OF THE TAP OR CONNECTION.
- 5. GRAVITY SEWERS, INCLUDING SIDE SEWERS, WITH 5 TO 14 FEET OF COVER SHALL BE PVC ASTM D 3034 SDR 35. GRAVITY SEWER MAINS WITH LESS THAN 5 FEET OR GREATER THAN 14 FEET OF COVER SHALL BE DUCTILE IRON PIPE CLASS 52, OR C-900 PVC. IF DUCTILE IRON PIPE IS USED FOR SEWER, THE PIPE INTERIOR SHALL BE EPOXY COATED (NOT CEMENT-LINED).
- 6. PRE-CAST MANHOLES SHALL MEET THE REQUIREMENTS OF ASTM C-478. JOINTS SHALL BE RUBBER GASKETED AND GROUTED BOTH INSIDE AND OUTSIDE OF THE MANHOLE PER CITY OF ARLINGTON STANDARDS AND SPECIFICATIONS. ALL LIFT HOLES CUT THROUGH THE WALLS OF THE MANHOLE SHALL BE GROUTED FROM THE INSIDE AND OUTSIDE OF THE MANHOLE TO BE WATERTIGHT. ADDITIONAL WATERPROOFING MAY BE REQUIRED.
- 7. SIDE SEWER SERVICES SHALL BE PVC ASTM D 3034 SDR 35 WITH FLEXIBLE GASKETED JOINTS. SIDE SEWER CONNECTIONS SHALL BE MADE BY A TAP TO AN EXISTING MAIN OR A TEE FROM A NEW MAIN CONNECTED ABOVE THE SPRING LINE OF THE PIPE. WYES ARE NOT ALLOWED ON LINES 8 INCHES OR LARGER. SIDE SEWERS CAN NOT BE INSTALLED UNDER DRIVEWAYS UNLESS APPROVED BY THE CITY INSPECTOR.
- 8. ALL SEWER PIPE SHALL BE INSTALLED WITH A CONTINUOUS TRACER TAPE 24 TO 48 INCHES UNDER THE PROPOSED FINISHED SUBGRADE, OR AS DIRECTED BY THE CITY INSPECTOR. THE MARKER SHALL BE PLASTIC, NON-BIODEGRADABLE, METAL CORE, AND DETECTABLE, WITH BACKING MARKED "SEWER".
- 9. SIDE SEWERS SHALL BE INSTALLED BY THE DEVELOPER AND COORDINATED FOR CLEARANCE WITH POWER, GAS, TELEPHONE, CABLE, AND OTHER UTILITIES. SIDE SEWERS SHALL BE A MINIMUM OF 10 FEET BEYOND PROPERTY LINES AND 5' BEYOND ANY EASEMENT.
- 10. THE SEWER PIPE SHALL BE INSTALLED STARTING FROM DOWNSTREAM OF THE POINT OF CONNECTION ON THE EXISTING SEWER OR FROM A DESIGNATED STARTING POINT. THE SEWER PIPE SHALL BE INSTALLED WITH THE BELL END UPSTREAM.
- 11. ADEQUATE TRENCH SHEETING AND/OR SHORING SHALL BE REMOVAL DEPTH PROVIDED BY THE CONTRACTOR AS REQUIRED BY OSHA AND WISHA.
- 12. TO PREVENT WATER OR DEBRIS FROM DISCHARGING INTO THE CITY'S EXISTING SEWER SYSTEM, THE CONTRACTOR SHALL INSTALL A PLUG IN THE CONNECTION MANHOLE OR AS DIRECTED BY THE CITY INSPECTOR. THE PLUG SHALL NOT BE REMOVED UNTIL THE SEWER IS ACCEPTED BY THE
- 13. ALL SEWER LINES SHALL MAINTAIN A MINIMUM OF 10 FEET HORIZONTAL CLEARANCE AND A MINIMUM OF 18 INCHES VERTICAL CLEARANCE FROM WATER LINES. SEE STANDARDS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND ALTERNATIVES.
- 14. PIPE BEDDING SHALL BE IN ACCORDANCE WITH THE CITY OF ARLINGTON STANDARD AND WSDOT STANDARD SPECIFICATIONS. 3/8—INCH MINUS MANUFACTURED CLEAN PEA GRAVEL IS THE REQUIRED BEDDING MATERIAL. ALL PIPE SHALL BE LAID ON A PROPERLY PREPARED FOUNDATION. THIS SHALL INCLUDE NECESSARY LEVELING OF THE TRENCH BOTTOM OR THE TOP OF THE FOUNDATION MATERIALS AS WELL AS PLACEMENT AND COMPACTION OF REQUIRED BEDDING MATERIAL TO UNIFORM GRADE SO THAT THE ENTIRE LENGTH OF THE PIPE WILL BE SUPPORTED BY A UNIFORMLY DENSE UNYIELDING BASE.
- 15. THE CONTRACTOR SHALL COMPACT TRENCH BACKFILL WITHIN THE CITY RIGHT—OF—WAY TO AT LEAST 90% MAXIMUM DRY DENSITY FROM THE BOTTOM OF THE TRENCH TO A DEPTH OF 3 FEET BELOW THE SURFACE. THE TRENCH BACKFILL MUST BE COMPACTED TO AT LEAST 95% MAXIMUM DENSITY WITHIN 3 FEET OF THE SURFACE. ASPHALT MUST BE COMPACTED TO MEET THE REQUIREMENTS ON THE PLANS. ALL COMPACTION TESTS ARE AT THE DEVELOPER'S EXPENSE.





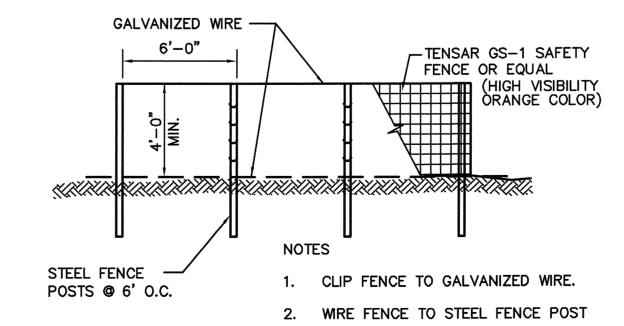
ELEVATION





— SILT FABRIC IN FRONT OF DRAIN PIPE (UPSTREAM SIDE) AND PLACED IN CONTACT WITH PIPE FOR ENTIRE CIRCUMFERENCE OF PIPE. SEDIMENT SHALL BE REMOVED AS NECESSARY TO MAINTAIN LEVEL AT 1/2 THE CULVERT DIAMETER OR LESS. CONTRACTOR SHALL MAINTAIN SILT FABRIC IN PROPER WORKING ORDER AND/OR REPLACE AS NECESSARY AND REMOVE AT END OF CONSTRUCTION.

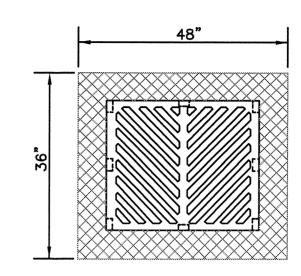
SILT FENCE AT DRAINAGE CULVERT 2 NOT TO SCALE



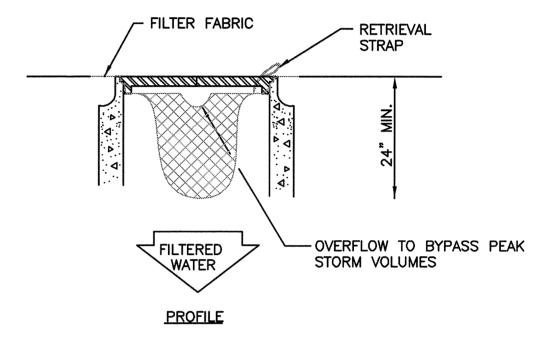
CLEARING LIMIT (4)
NOT TO SCALE (TYP)

FASTEN FENCING TO POST EVERY 6*

WITH A POLYETHYLENE TIE.



<u>PLAN</u>

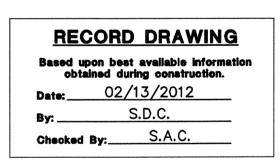


NOTE:

- 1. REMOVE CATCH BASIN GRATING.
- 2. CLEAN DIRT AND DEBRIS FROM GRATING LEDGE.
- 3. LAY THE CATCH BASIN INSERT INSIDE THE BASIN
- 4. REPLACE THE GRATING, PINCHING THE INSERT FABRIC BETWEEN THE GRATING AND THE CATCH BASIN FRAME.
- 5. CUT OFF THE EXCESS FABRIC OFF WITH A BLADE KNIFE. A 3 TO 5 INCH WIDE STRIP OF FABRIC SHOULD BE LEFT AROUND THE OUTSIDE OF THE GRATING IF THE INSERT IS TO BE USED MORE THAN ONCE.

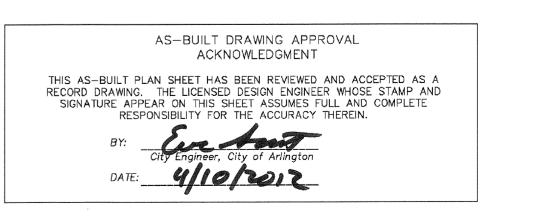
FILTER FABRIC CATCH BASIN INSERT

NOT TO SCALE

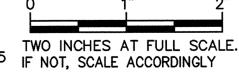


GENERAL NOTES:

- WHERE POSSIBLE, MAINTAIN NATURAL VEGETATION FOR SILT CONTROL.
- 2. TEMPORARY SILTATION CONTROL AND DETENTION PONDS TO BE CONSTRUCTED BY PLACING GRAVEL FILLED BURLAP SACKS.
- 3. FILTER FABRIC FENCES TO BE LOCATED AS INDICATED ON THE PLANS OR AS REQUIRED.
- 4. ALL TEMPORARY EROSION CONTROL STRUCTURES SHALL BE MAINTAINED IN SATISFACTORY CONDITION UNTIL CLEARING AND/OR CONSTRUCTION IS COMPLETED AND SURFACE RESTORATION HAS BEEN COMPLETED.
- 5. RETURN SILTATION CONTROL AREAS TO ORIGINAL GROUND CONDITIONS.



CALL BEFORE YOU DIG: (800) 424-5555 IF NOT, SCALE ACCORDINGLY



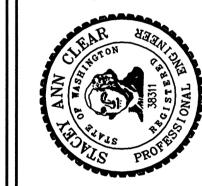
Cray & Osborne, I.

CONSULTING ENGINEERS

701 DEXTER AVENUE NORTH SUITE 200
STATELY WASHINGTON OF THE 200
STATELY WASHINGTON O

SCALE: AS NOTED
DRAWN: J.C.V.
CHECKED: S.A.C.

REVISION DATE APPD





IY OF ARLINGTON
AISH COUNTY WASHINGTON
NGTON AIRPORT SEWER
EXTENSION

SHEET: **5**OF: **5**

JOB NO.: 08594 DWG: DET-TESC