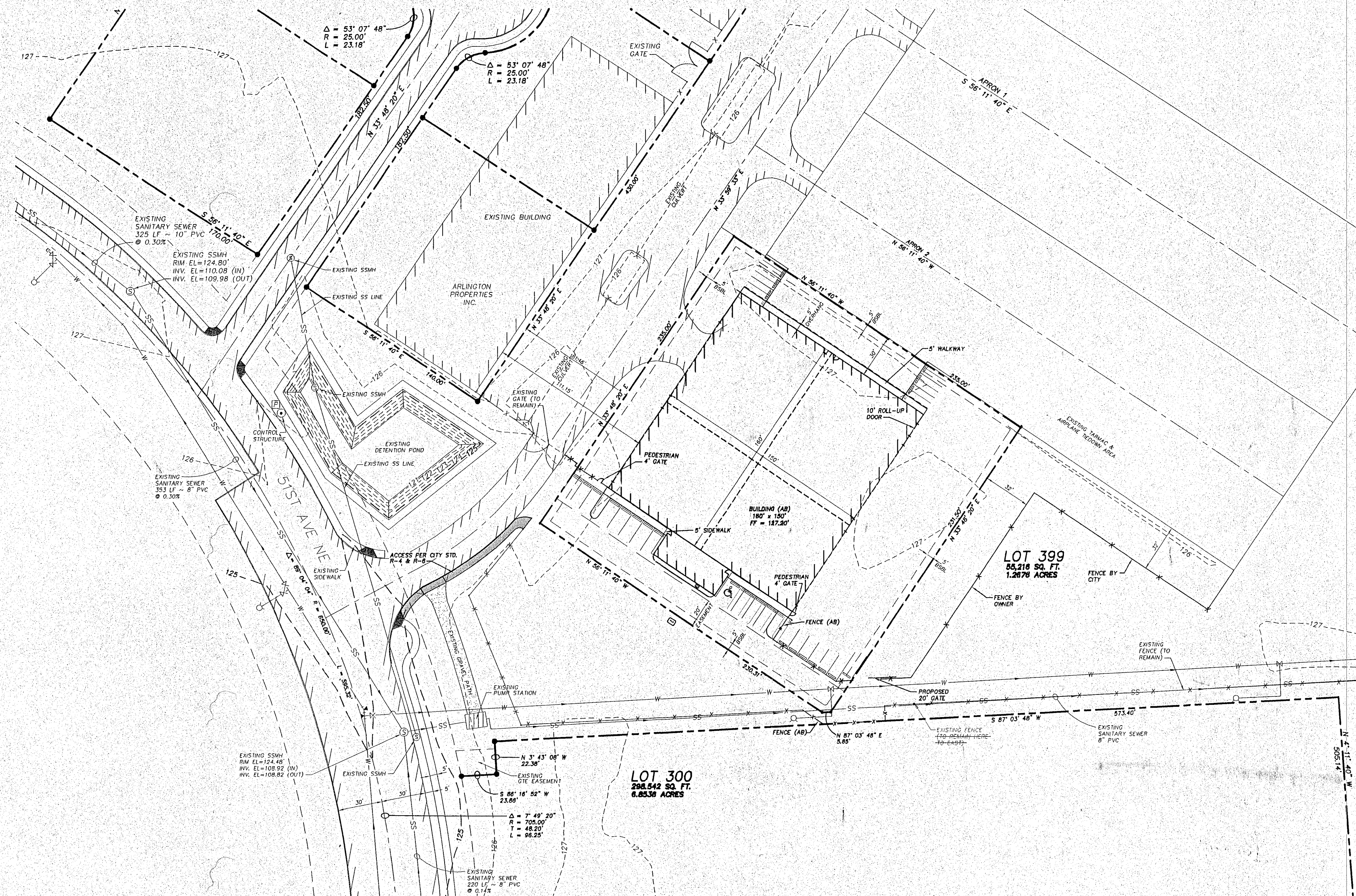


# SOUTH WIND HANGAR



CALL 48 HOURS  
BEFORE YOU DIG  
1-800-553-4344

## CONSTRUCTION SEQUENCE:

1. PRE-CONSTRUCTION MEETING.
2. FLAG OFF FENCE CLEARING LIMITS.
3. POST NOTICE OF CONSTRUCTION ACTIVITY SIGN WITH NAME AND PHONE NUMBER OF ESC SUPERVISOR.
4. INSTALL CATCH BASIN PROTECTION IF REQUIRED.
5. GRADE AND INSTALL CONSTRUCTION ENTRANCE(S).
6. INSTALL PERIMETER PROTECTION (SILT FENCE, BRUSH BARRIER, ETC.).
7. CONSTRUCT SEDIMENT PONDS AND TRAPS.
8. GRADE AND STABILIZE CONSTRUCTION ROADS.
9. CONSTRUCT SURFACE WATER CONTROLS (INTERCEPTOR DIKES, PIPE SLOPE DRAINS, ETC.) SIMULTANEOUSLY WITH CLEARING AND GRADING FOR PROJECT MANAGEMENT.
10. MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH SNOHOMISH COUNTY STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
11. RELOCATE SURFACE WATER CONTROLS AND EROSION CONTROL MEASURES OR INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE THE EROSION AND SEDIMENT CONTROL IS ALWAYS IN ACCORDANCE WITH THE SNOHOMISH COUNTY EROSION AND SEDIMENT CONTROL STANDARDS.
12. COVER ALL AREAS THAT WILL BE UNWORKED FOR MORE THAN SEVEN DAYS DURING THE DRY SEASON OF TWO DAYS DURING THE WET SEASON WITH STRAW, WOOD FIBER MULCH, COMPOST, PLASTIC SHEETING OR EQUIVALENT.
13. STABILIZE ALL AREAS THAT REACH FINAL GRADE WITHIN SEVEN DAYS.
14. SEED OR SOO ANY AREAS TO REMAIN UNWORKED FOR MORE THAN 30 DAYS.
15. UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE STABILIZED AND BEST MANAGEMENT PRACTICES REMOVED IF APPROPRIATE.

## LEGAL DESCRIPTION

THAT PORTION OF THE SOUTHWEST QUARTER OF SECTION 22, TOWNSHIP 31 NORTH, RANGE 5 EAST, W.M., MORE PARTICULARLY DESCRIBED AS FOLLOWS:  
COMMENCING AT THE SOUTHWEST CORNER OF THE SOUTHWEST QUARTER OF SAID SECTION 22 WHICH BEARS S87°12'48"W FROM THE SOUTH QUARTER CORNER OF SAID SECTION 22; THENCE N2°20'06"E A DISTANCE OF 1096.42 FEET TO THE TRUE POINT OF BEGINNING; THENCE N33°48'20"E A DISTANCE OF 235.00 FEET; THENCE S56°11'40"E A DISTANCE OF 235.00 FEET; THENCE S33°48'20"W A DISTANCE OF 231.50 FEET; THENCE S87°03'48"W A DISTANCE OF 5.85 FEET; THENCE N56°11'40"W A DISTANCE OF 230.31 FEET TO THE TRUE POINT OF BEGINNING.  
SUBJECT TO AND TOGETHER WITH A 20 FOOT WIDE EASEMENT FOR INGRESS, EGRESS AND UTILITIES OVER, ACROSS AND UNDER THE FOLLOWING DESCRIBED AREA: BEGINNING AT THE PREVIOUSLY MENTIONED TRUE POINT OF BEGINNING; THENCE N33°48'20"E A DISTANCE OF 20.00 FEET; THENCE S56°11'40"E A DISTANCE OF 223.67 FEET; THENCE N87°03'48"E A DISTANCE OF 14.14 FEET; THENCE S33°48'20"W A DISTANCE OF 24.96 FEET; THENCE S87°03'48"W A DISTANCE OF 5.85 FEET; THENCE N56°11'40"W A DISTANCE OF 230.31 FEET TO THE TRUE POINT OF BEGINNING.  
SUBJECT TO AND TOGETHER WITH EASEMENTS, CONDITIONS, COVENANTS, RESERVATIONS, AND RESTRICTIONS OF RECORD.  
SITUATE IN SNOHOMISH COUNTY, STATE OF WASHINGTON.  
CONTAINING 1.2676 ACRES OF LAND.  
CONTAINING 1.1588 ACRES OF LAND LESS EASEMENT.

# AS-BUILT

## CONSTRUCTION DRAWING REVIEW ACKNOWLEDGMENT

THIS PLAN SHEET HAS BEEN REVIEWED AND EVALUATED FOR GENERAL COMPLIANCE WITH THE CITY OF ARLINGTON CODES AND ORDINANCE. CONFORMANCE OF THIS DESIGN WITH ALL APPLICABLE LAWS AND REGULATIONS IS THE FULL AND COMPLETE RESPONSIBILITY OF THE LICENSED DESIGN ENGINEER, WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEET. ACKNOWLEDGMENT OF CONSTRUCTION DRAWING REVIEW DOES NOT IMPLY CITY APPROVAL FOR CONSTRUCTION ACTIVITIES THAT REQUIRE OTHER COUNTY, STATE OR FEDERAL PERMIT REVIEW AND APPROVAL. THE PROPERTY OWNER AND LICENSED DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE ACQUISITION AND COMPLIANCE OF ALL APPLICABLE PERMITS AND/OR AUTHORIZATIONS WHICH MAY INCLUDE, BUT ARE NOT LIMITED TO, WSDFW HYDRAULIC PROJECT APPROVAL (HPA), WSDOE NOTICE OF INTENT (NOI), ANY CORP OR ENGINEERS FILL PERMITS AND THE REQUIREMENTS OF THE ENDANGERED SPECIES ACT.

BY: \_\_\_\_\_  
CITY ENGINEER

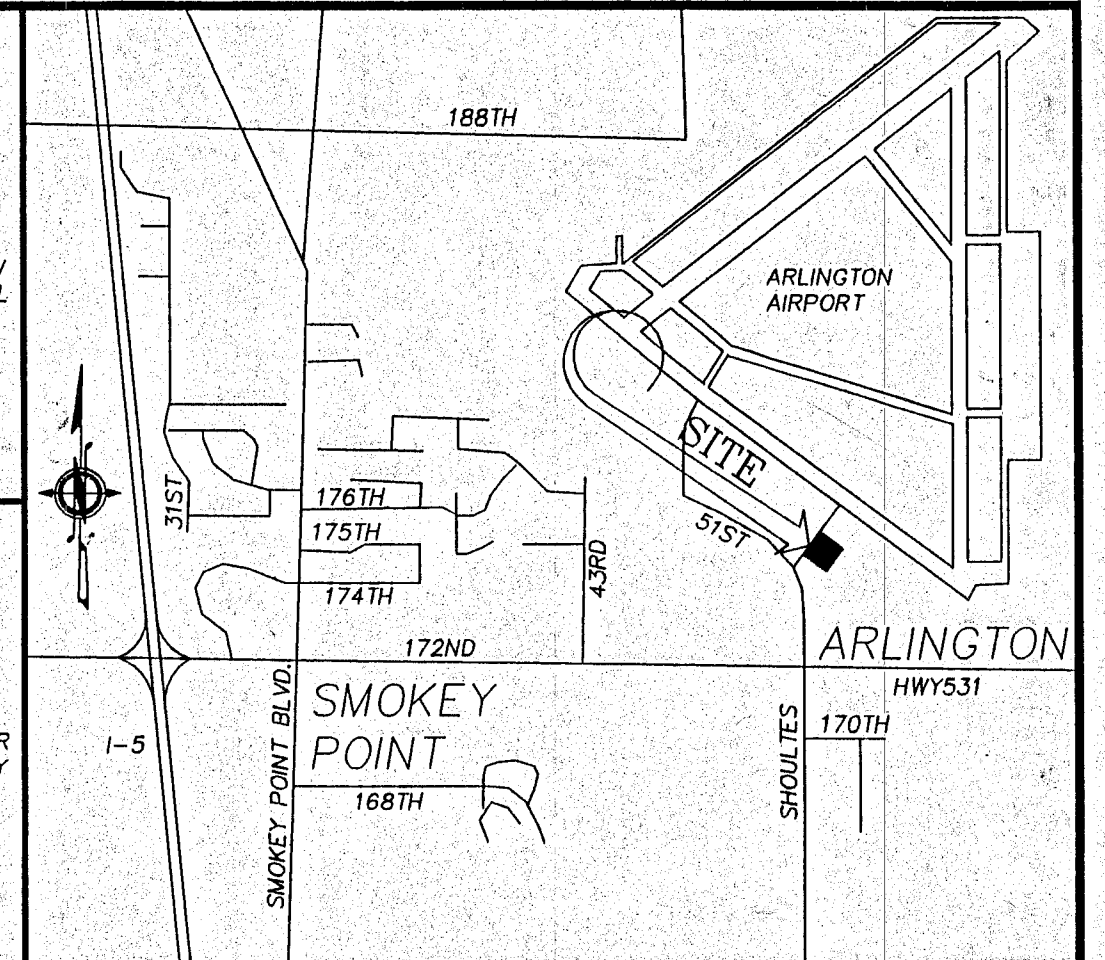
DATE: \_\_\_\_\_  
THIS APPROVAL VALID FOR 18 MONTHS

## 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 THEREOF.

BY: \_\_\_\_\_  
CITY ENGINEER

DATE: 4/10/06  
THIS APPROVAL VALID FOR 18 MONTHS



## VICINITY MAP

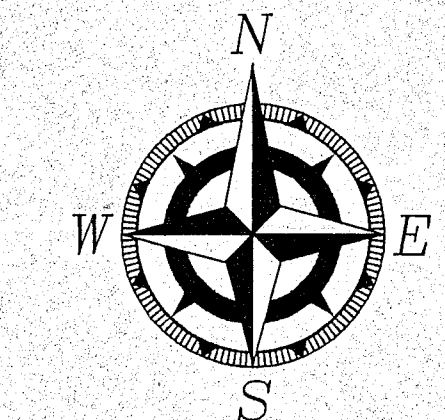
SCALE 1" = 2,000 FT.

## LEGEND

EXISTING	PROPOSED

T.B.M.:  
BRASS WSDOT DESIGNATION "GP31531-162"  
LOCATED AT N.E. SIDE JCT. SR531  
& SR005 ON 51st AVE N.E.  
END OF S/W  
ELEV. = 125.03 MSL  
(NAVD 88)

Scale: 1" = 50'



## INDEX TO DRAWINGS:

- |     |                                |
|-----|--------------------------------|
| L-1 | LANDSCAPING PLAN               |
| C-1 | COVER SHEET                    |
| C-2 | ROAD & STORM PLAN              |
| C-3 | WATER & SEWER PLAN             |
| C-4 | SEWER TRANSPORT LINE PLAN 2    |
| C-5 | PROFILES                       |
| C-6 | GRADING & TESC NOTES & DETAILS |
| C-7 | WATER & SEWER NOTES            |
| C-8 | STORM DRAINAGE NOTES & DETAILS |

## BOUNDARY SURVEYOR:

CASCADE SURVEYING AND ENGINEERING, INC.  
P.O. BOX 326  
ARLINGTON, WA 98223  
(360) 435-5551

## TOPO SURVEYOR & ENGINEER:

PERCO ENGINEERING, P.C.  
9920 271st ST. SW  
STANWOOD, WA 98292  
(360) 629-6710

## APPLICANT:

W. NEAL KARMAN  
1725 VERNON ROAD  
LAKE STEVENS, WA 98258  
(425) 418-4299

## INFILTRATOR CONTACT:

STORMWATER DEPARTMENT, INFILTRATOR SYSTEMS INC.  
4 BUSINESS PARK ROAD  
P.O. BOX 768, OLD SAYBROOK, CT 06475  
1-800-221-4436

## KRISTAR CONTACT:

FLO-GARD SYSTEMS  
DISTRIBUTOR: JOE SHEEHY  
OLYMPIA  
(253) 640-3923

## GEOTECHNICAL ENGINEER:

WESTERN GEOTECHNICAL CONSULTANTS  
4183 SALTSPRINGS DRIVE  
FERNDALE, WA 98248  
(360) 380-2507

## OWNER:

W. NEAL KARMAN  
1725 VERNON ROAD  
LAKE STEVENS, WA 98258  
(425) 418-4299

## SITE INFORMATION:

TOTAL LANDSCAPING AREA: 3,231 SQ. FT.  
# PARKING SPACES (REQUIRED): 25  
# PARKING SPACES (PROVIDED): 30  
IMPERVIOUS AREA: 52,145 SQ. FT.  
BUILDING AREA: 25,000 SQ. FT. (MAIN FLOOR)  
3,500 SQ. FT. (UPPER FLOOR)

## PROJECT INFORMATION:

TAX NO.: CITY PROPERTY  
SITE ADDRESS: NO ADDRESS HAS BEEN ASSIGNED  
TOTAL AREA: 174,240 S.F. (4.0 AC.)  
ZONING: COMMERCIAL  
EX. SOIL: LYNNWOOD TYPE A  
EXISTING GROUND COVER = GRASS

WE HEREBY DECLARE THAT THE ROAD AND STORM DRAINAGE IMPROVEMENTS ARE LOCATED AS SHOWN ON THESE RECORD DRAWINGS

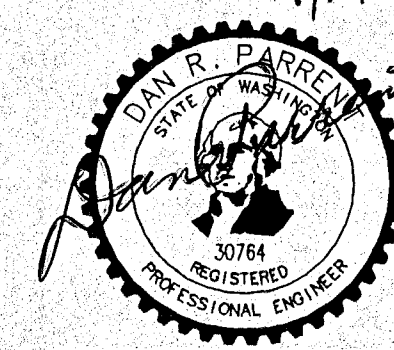
BY: *Don R. Korman* 7/17/06  
PROJECT ENGINEER/SURVEYOR DATE

BY: \_\_\_\_\_  
PLAT DEVELOPER/OWNER DATE

## UTILITY CONFLICT NOTE:

### CAUTION:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT, BY POT-HOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 1-800-553-4344 AND THEN, POT-HOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT PERCO ENGINEERING TO RESOLVE ALL PROBLEMS PRIOR



FILE #: MN-03-031

PERCO  
ENGINEERING P.C.  
(PROFESSIONAL SERVICES CORP.)  
9920 - 271st ST. NW  
STANWOOD, WASH. 98292  
PHONE: (360) 629-6710

COVER SHEET  
FOR  
W. NEAL KARMAN

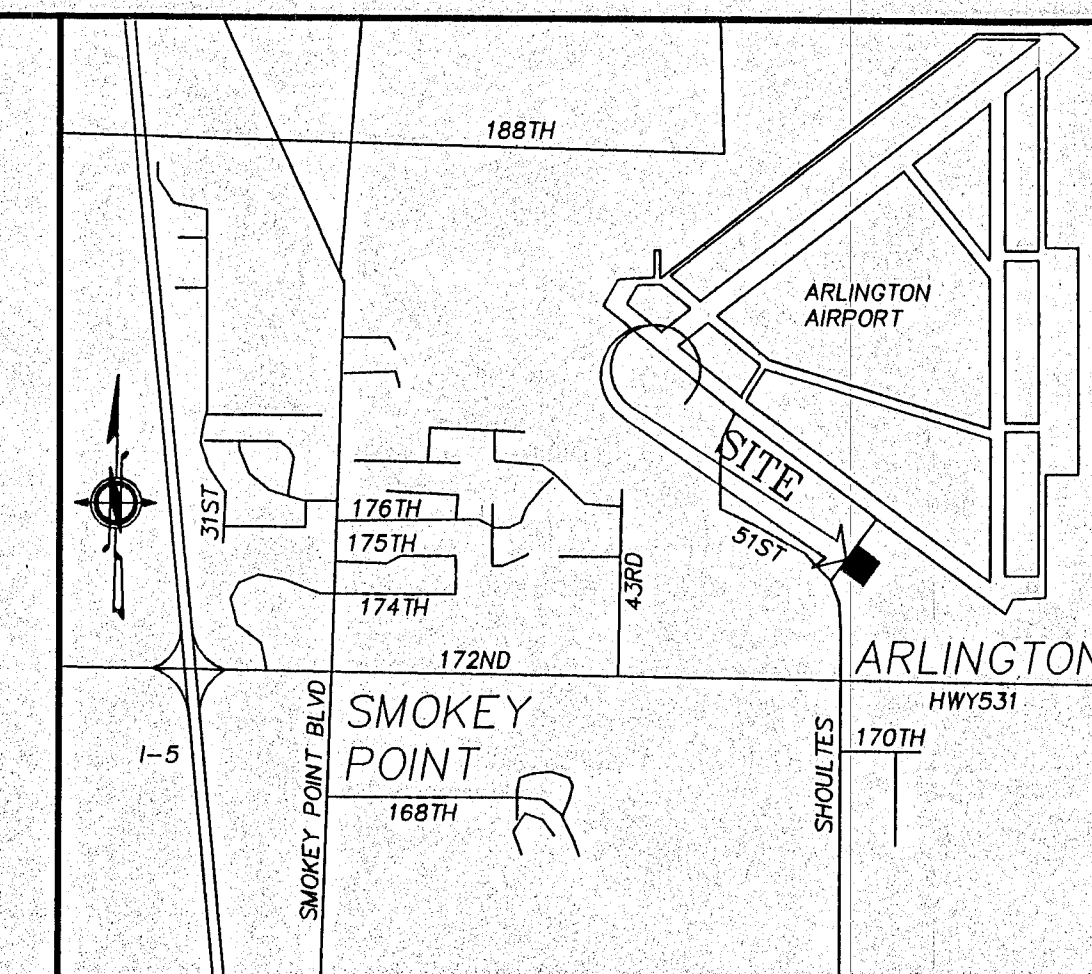
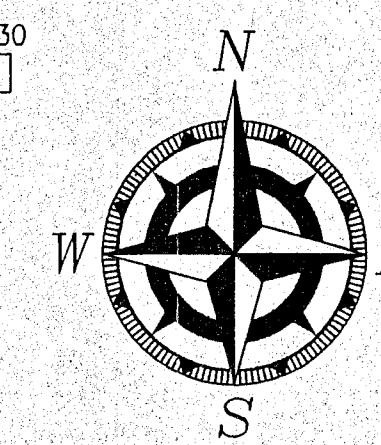
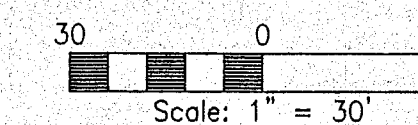
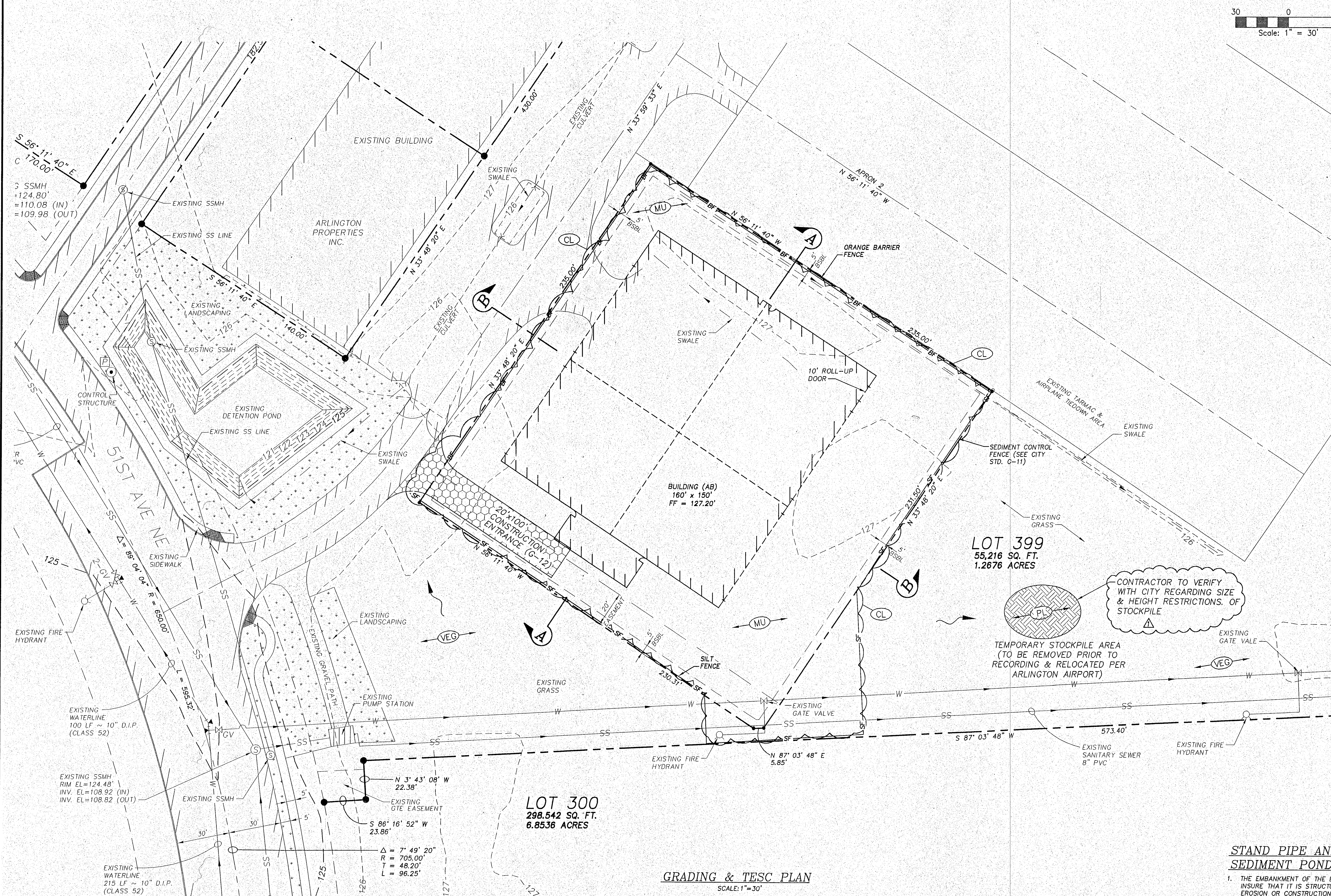
design: DRP  
drawn: MNF  
app'd: \_\_\_\_\_  
date: 7-22-03  
dwg. 1 OF 8  
scale: 1" = 50'  
job no. 22081

REV. NO.	DESCRIPTION	INITIALS	DATE
1	CITY REVISIONS	MNF	7/22/03









**VICINITY MAP**  
SCALE 1" = 2,000 FT.

**LEGEND**

EXISTING	PROPOSED

**TESC DETAIL TABLE**

	CLEARING LIMITS
	MULCH &/OR STRAW MATTING
	SEDIMENT TRAP
	BUFFER ZONE
	INTERCEPTOR DIKE & SWALE
	INTERCEPTOR TRENCH W/ ROCK CHECK DAM & HAYBALES
	PLASTIC COVER
	PRESERVE NATIVE VEGETATION
	TEMPORARY CONSTRUCTION ENTRANCE
	ORANGE BARRIER FENCE
	SILT FENCE

**STAND PIPE AND  
SEDIMENT POND MAINTENANCE**

- THE EMBANKMENT OF THE BASIN SHOULD BE CHECKED REGULARLY TO INSURE THAT IT IS STRUCTURALLY SOUND AND HAS NOT BEEN DAMAGED BY EROSION OR CONSTRUCTION EQUIPMENT. THE EMERGENCY SPILLWAY SHOULD BE CHECKED REGULARLY TO INSURE THAT ITS LINING IS WELL ESTABLISHED AND EROSION-RESISTANT. THE SILTATION BASIN SHOULD BE CHECKED AFTER EACH RUNOFF-PRODUCING RAINFALL FOR SEDIMENT CLEAN OUT. WHEN THE SEDIMENT REACHES THE CLEAN OUT LEVEL, IT SHALL BE REMOVED AND PROPERLY DISPOSED.

CALL 48 HOURS  
BEFORE YOU DIG  
1-800-553-4344

FILE #: MN-03-031

**PERCO**  
ENGINEERING P.C.  
(PROFESSIONAL SERVICES CORP.)  
9920 - 271st ST. NW  
STANWOOD, WASH. 98292  
PHONE: (360) 629-6710

**GRADING & TESC PLAN**  
FOR  
**W. NEAL KARMAN**

design: DRP  
drawn: MNF  
app'd:   
date: 6-20-03  
dwg: 3 OF 8  
scale: 1" = 30'  
job no.: 22081

**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.

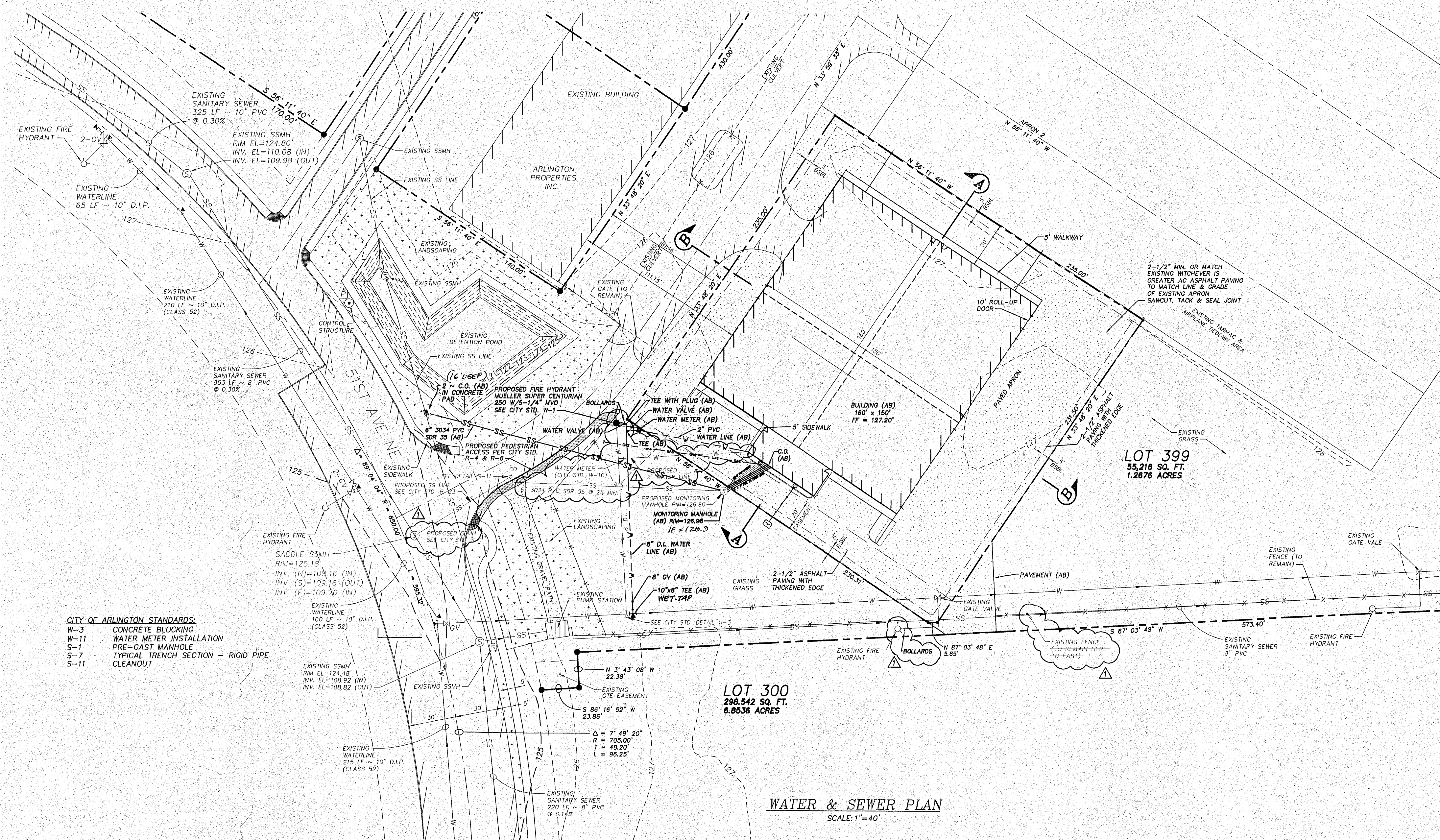
BY:   
CITY ENGINEER  
DATE: 8/10/06  
THIS APPROVAL VALID FOR 18 MONTHS

**CITY OF ARLINGTON**  
THIS SHEET HAS BEEN APPROVED PER CONDITIONS ON THE COVER SHEET.

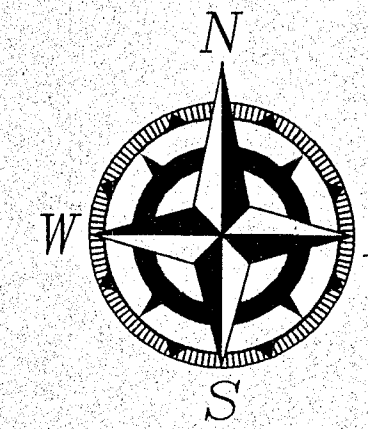
CONSTRUCTION	AS-BUILT ACKNOWLEDGMENT
BY: CITY ENGINEER DATE: 8/10/06	BY: CITY ENGINEER DATE: 8/10/06



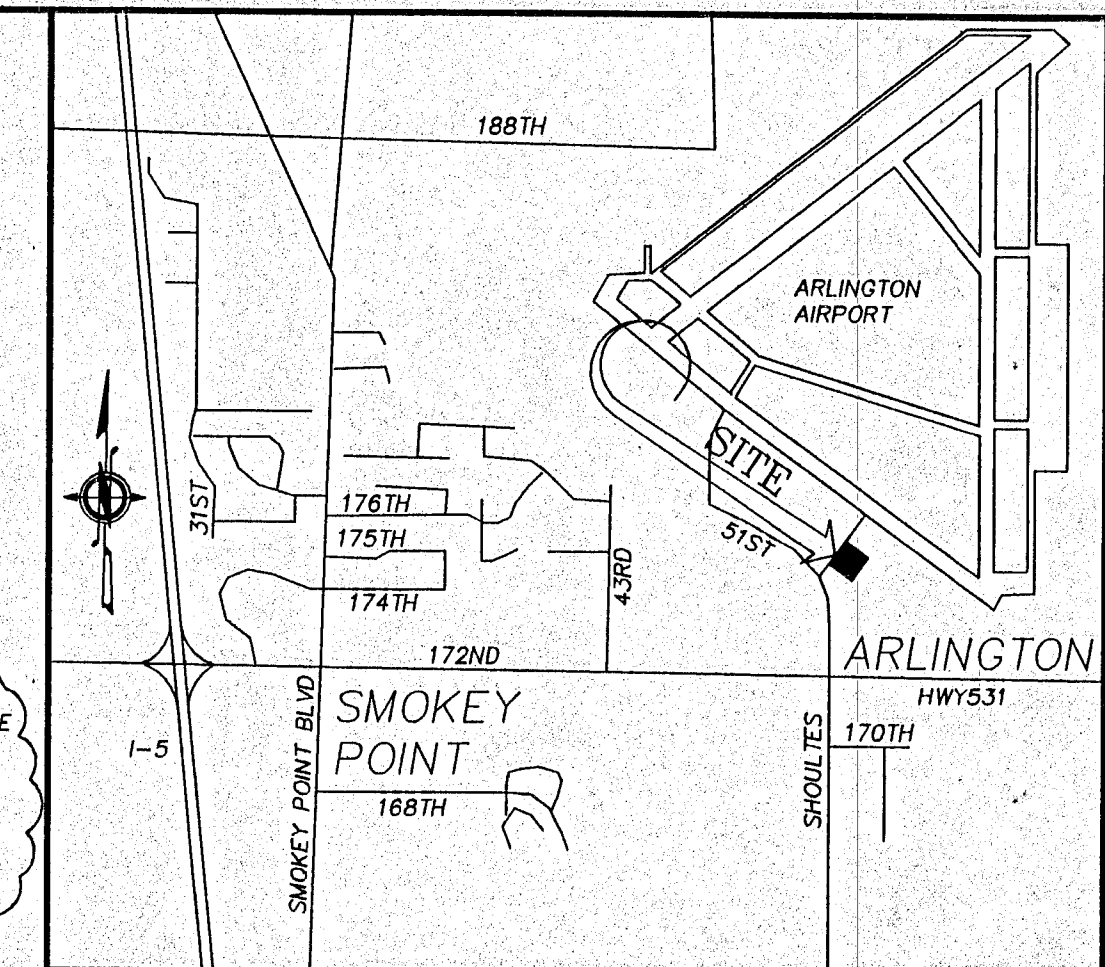




40 0 40  
Scale: 1" = 40'

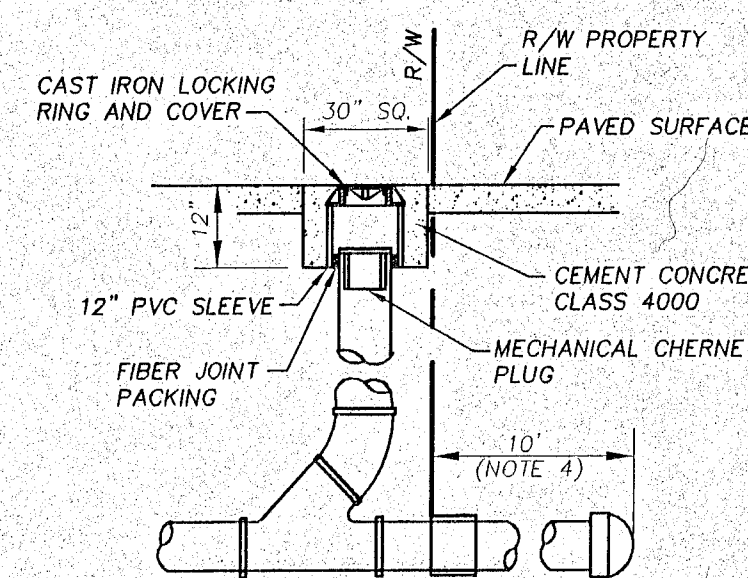


- NOTES:**
1. THE MARKING POST FOR THE STUB OUT OF THE MONITORING MANHOLE SHALL BE A 2x4 EXTENDING 4" ABOVE GRADE WITH A 2" CLEAT AT THE BOTTOM TO PREVENT REMOVAL.
  2. 3/8" PEA GRAVEL IS REQUIRED FOR BEDDING OF ALL SANITARY SEWER PIPES 4" BELOW THE PIPE AND 12" ABOVE THE PIPE.
  3. THE EXISTING SANITARY FORCE MAIN IS 8" PVC AND ANY WORK WITHIN 10' OF THE FORCE MAIN WILL REQUIRE 24 HOUR NOTICE TO THE CITY OF ARLINGTON WASTEWATER DEPARTMENT, VIRGIL RENFROE AT (360) 403-3516.
  4. INSTALLATION OF NEW SSMH IN 51ST AVE TO BE COORDINATED WITH VIRGIL RENFROE.



### LEGEND

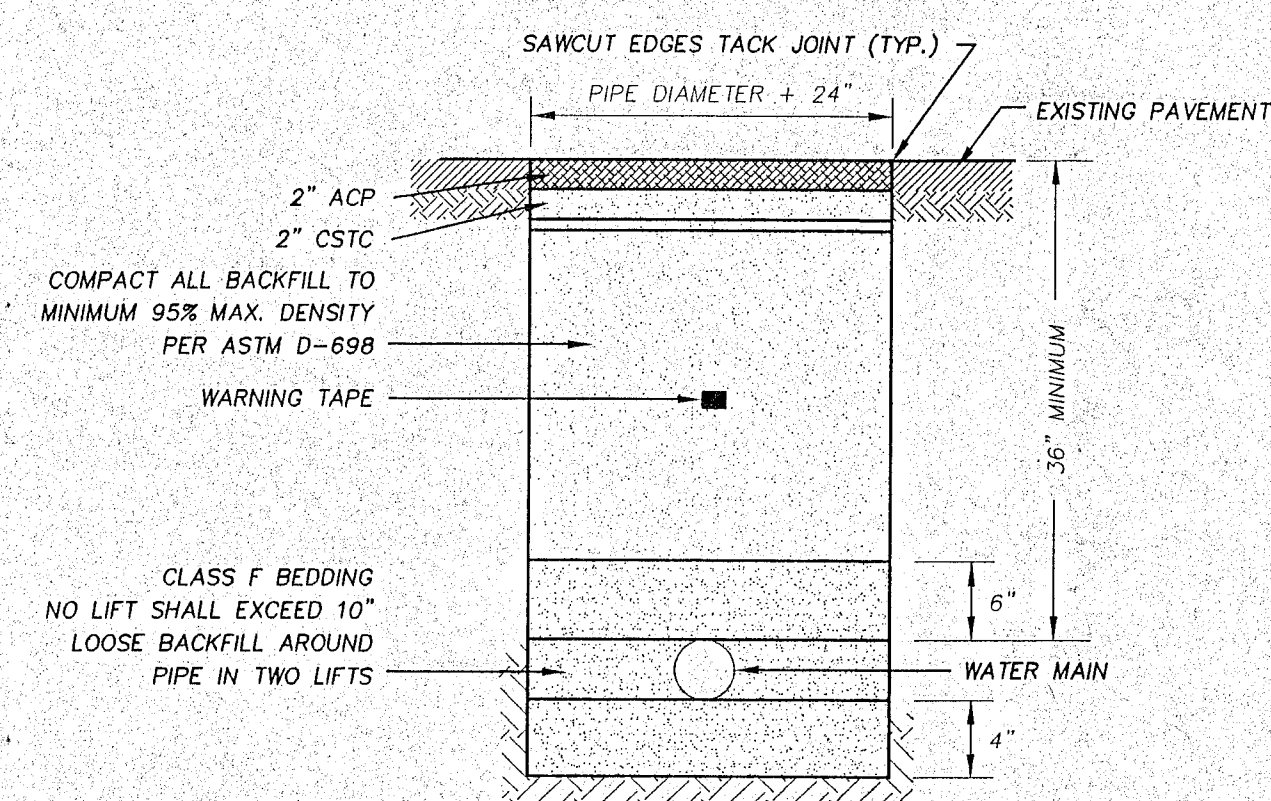
EXISTING	PROPOSED



- NOTES:**
1. CLEAN-OUT PIPE AND FITTINGS SHALL BE PVC.
  2. A SANITARY TEE OR SWEEP MAY BE INSTALLED IN LIEU OF A WYE AS SHOWN. STRAIGHT TEES ARE NOT ACCEPTABLE.
  3. FOR NEW PLATS THE VERTICAL RISER PORTION OF THE CLEAN-OUT WILL BE CONSTRUCTED AT TIME OF CONNECTION TO BUILDING TO MINIMIZE DAMAGE. THE 6" WYE AND 6" PVC PIPE W/GASKETED CAPS WILL BE INSTALLED PRIOR TO BUILDING IS ACCOMPLISHED.
  4. SEWER STUB WILL BE EXTENDED 10' BEYOND PROPERTY LINE TO PREVENT DAMAGE TO CLEAN-OUT AND MINIMIZE CONFLICTS WITH OTHER UTILITIES WHEN SERVICE TO BUILDING CONNECTION.
  5. A PRESSURE TREATED 2"x4" STUBMARKER SHALL EXTEND DOWN TO A MIN. OF 24" BELOW GROUND. A MIN. OF 36" SHALL EXTEND ABOVE GROUND.
  6. THE STUBMARKER SHALL BE PAINTED WITH WHITE TRAFFIC PAINT AND THE WORD "SEWER" AND THE DEPTH IN FEET FROM GROUND TO SEWER STUB INVERT SHALL BE PAINTED ON THE MARKER WITH 3" HIGH BLACK PAINTED LETTERS.

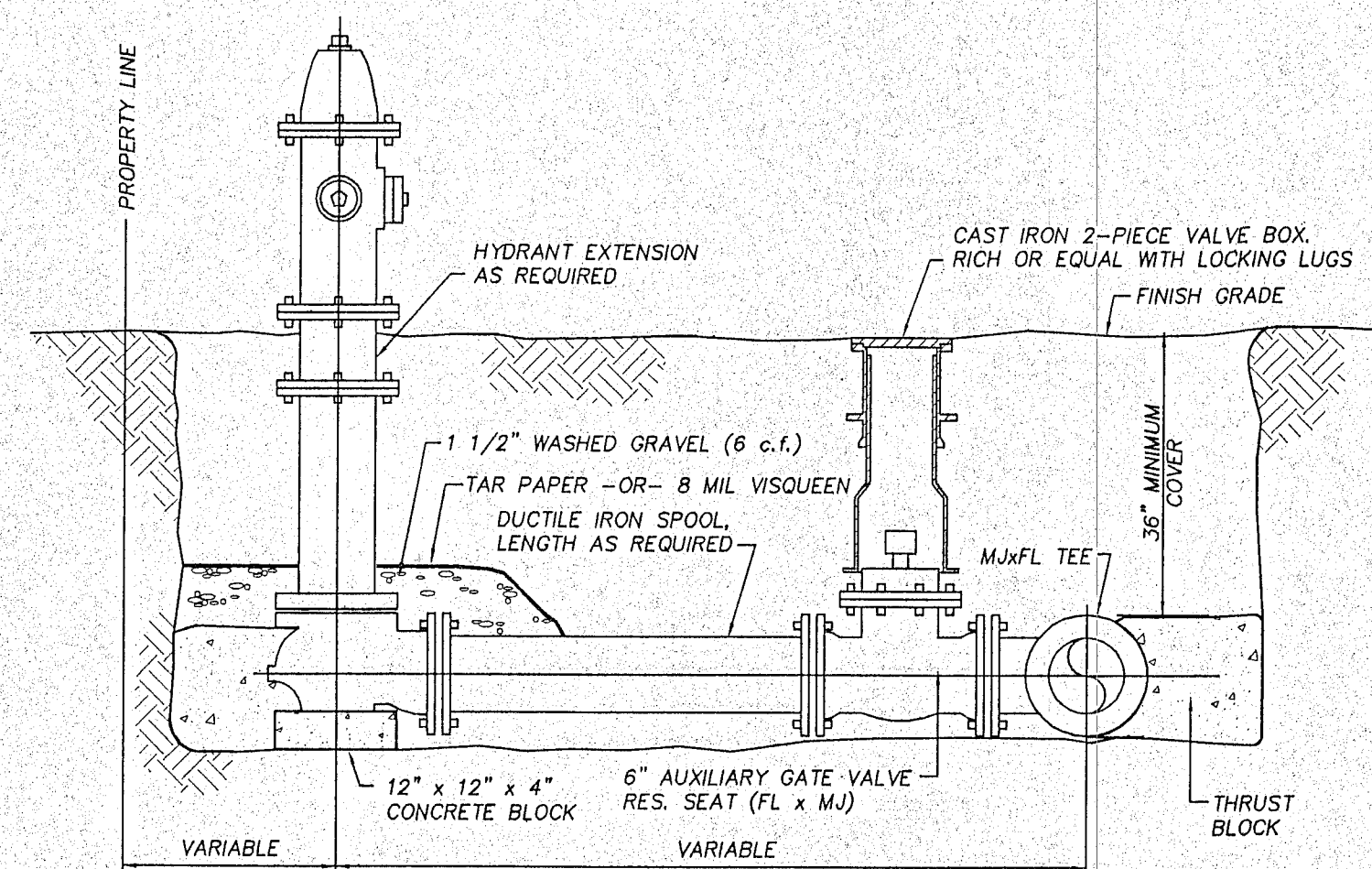
### SEWER CLEAN-OUT

NOT TO SCALE (SEE ARLINGTON CITY STD. S-11)



### WATER LINE TRENCH DETAIL

NOT TO SCALE (SEE ARLINGTON CITY STD. S-7)



- NOTES:**
1. PAINT HYDRANT WITH CASE YELLOW NO. X-3472.
  2. DUG-LUGS JOINT RESTRAINT SYSTEM.
  3. THE MJ FOLLOWERS SHALL BE MEGA LUG.
  4. PAINT TIE-RODS WITH BITUMINOUS PAINT ACCORDING TO APWA STANDARDS, SPECIFICATION #77-3.02A.
  5. INSTALL BLUE PAVEMENT MARKER IF HYDRANT IS IN RIGHT-OF-WAY.
  6. RED HEAD 5" STORZ TO 4-1/2" NST FEMALE ADAPTER STYLE NO. S-37-MF-L-STORZ METALFACE OR EQUAL WITH A METALFACE CAP STYLE NO. SC-MF OR EQUAL.
  7. THE DISTANCE BETWEEN THE NEAREST POINT OF THE HYDRANT AND TRAFFIC OF THE FACE OF THE CURB SHALL BE A MINIMUM OF 24".

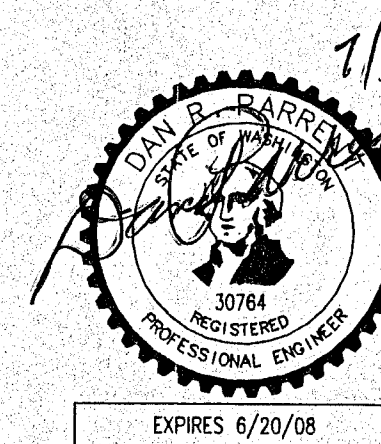
### HYDRANT INSTALLATION

NOT TO SCALE (SEE ARLINGTON CITY DETAIL W-1)

CALL 48 HOURS  
BEFORE YOU DIG  
1-800-553-4344

FILE #: MN-03-031

**PERCO**  
ENGINEERING P.C.  
(PROFESSIONAL SERVICES CORP.)  
9920 - 271st ST. NW  
STANWOOD, WASH. 98292  
PHONE: (360) 629-6710



**CITY OF ARLINGTON**  
THIS SHEET HAS BEEN APPROVED PER CONDITIONS ON THE COVER SHEET.

CONSTRUCTION	AS-BUILT ACKNOWLEDGMENT
BY: CITY ENGINEER	BY: CITY ENGINEER
DATE: / /	DATE: 8/10/08

**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.

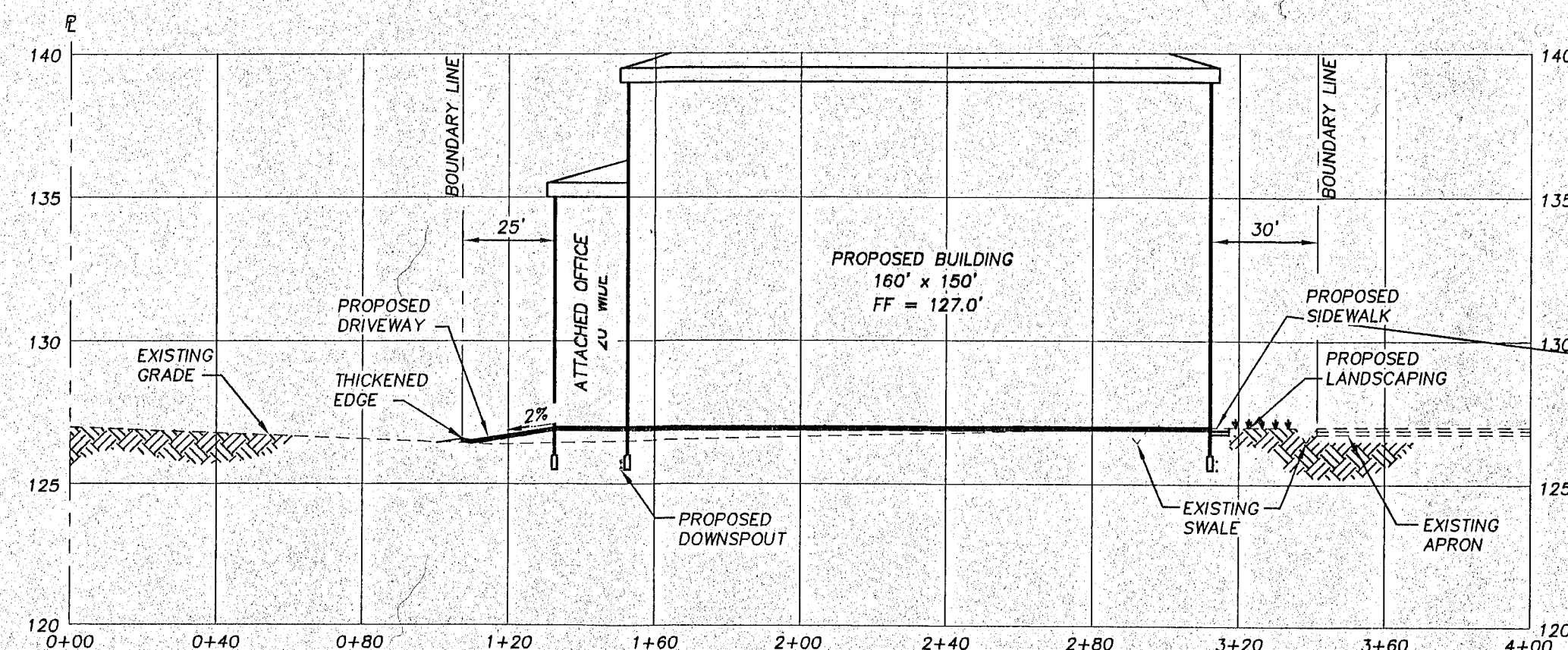
BY: CITY ENGINEER  
DATE: THIS APPROVAL VALID FOR 18 MONTHS

REV. NO.	DESCRIPTION	INITIALS	DATE
1	CITY REVISIONS	MNF	7/22/03

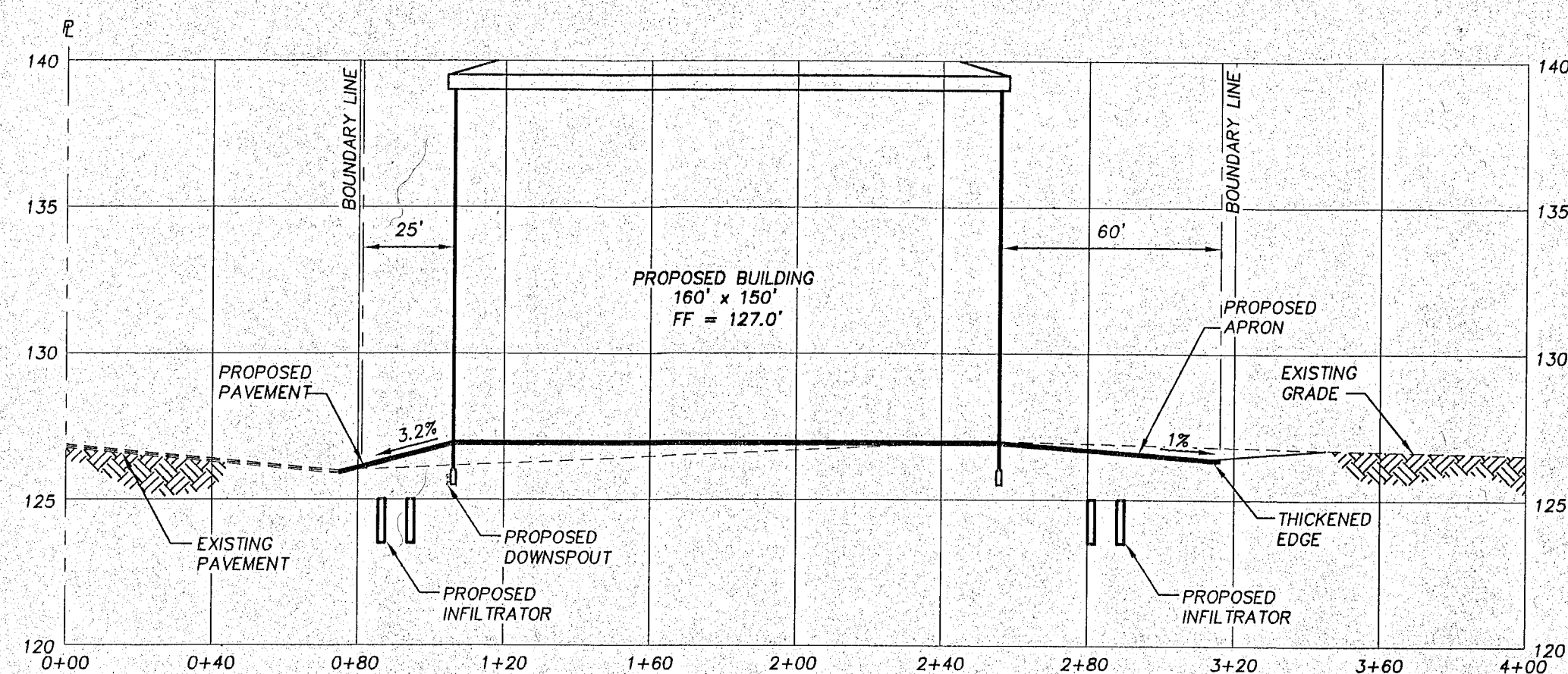
**WATER & SEWER PLAN**  
FOR  
**W. NEAL KORMAN**

design: DRP  
drawn: MNF  
app'd:   
date: 6-20-03  
dwg. 4 OF 8  
scale: 1" = 40'  
job no. 22081

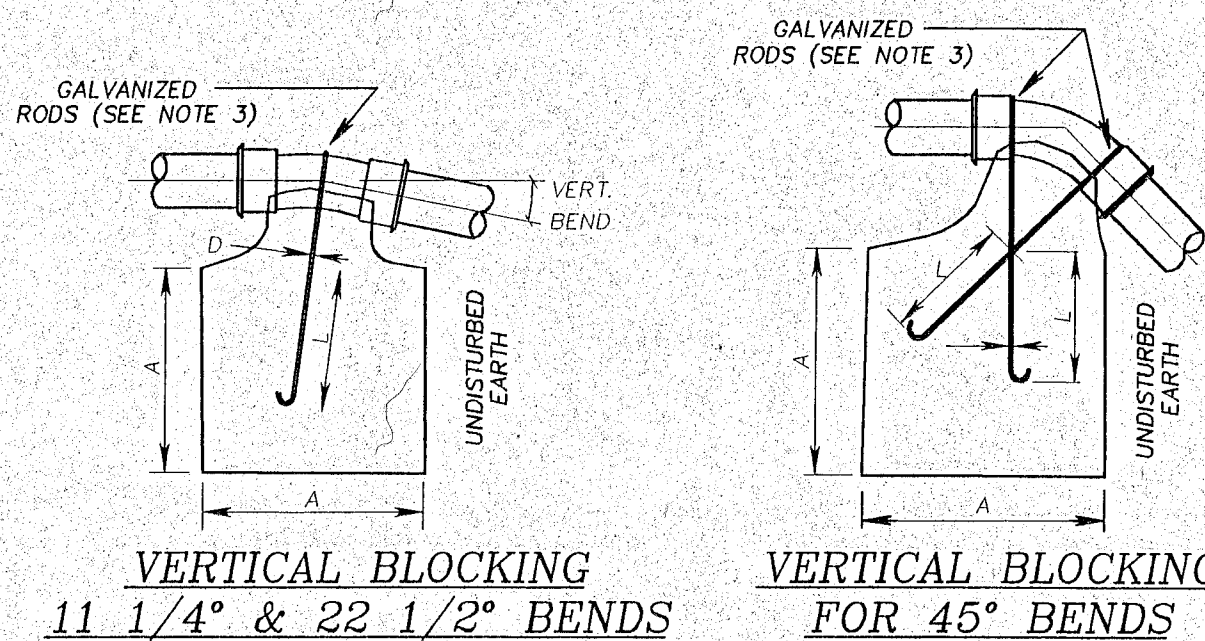




PROFILE A-A

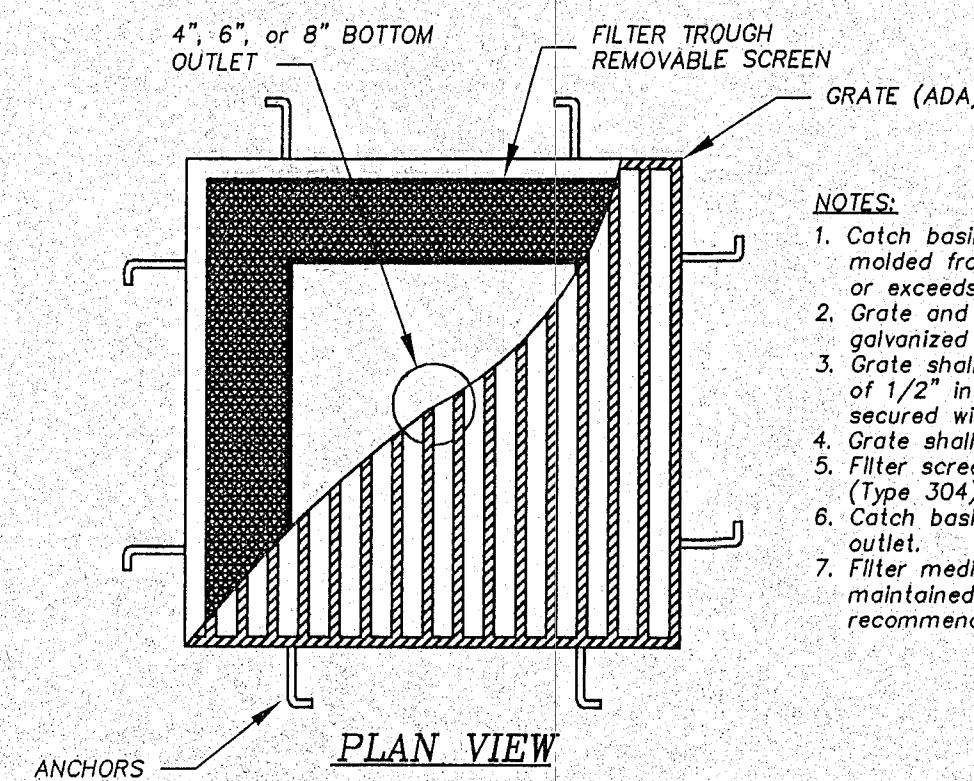
SCALE: HORIZONTAL 1"=40'  
VERTICAL 1"=5'

PROFILE B-B

SCALE: HORIZONTAL 1"=40'  
VERTICAL 1"=5'VERTICAL BLOCKING  
11 1/4° & 22 1/2° BENDSVERTICAL BLOCKING  
FOR 45° BENDS

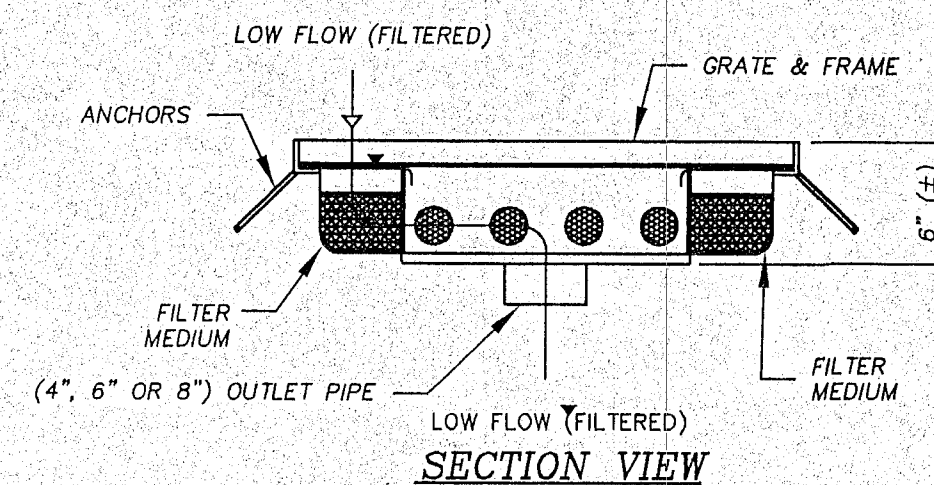
WATER MAIN  
VERTICAL THRUST BLOCKING  
NO SCALE (SEE ARLINGTON CITY STD. W-3 & W-4)

VERTICAL BLOCKING W/RESTRAINED JOINTS SOIL TYPE = COHESIVE GRANULAR (GC+SC) SAND, GRAVEL, CLAY MIXTURE					
PIPE SIZE	V B	CU	FT	A	D
4"	11 1/4°	*			
	22 1/2°	*			
	45°	*			
6"	11 1/4°	*	16	2.5'	3/4" 2.0'
	22 1/2°	*			
	45°	13	2.3'	3/4" 2.0'	
8"	11 1/4°	*	43	3.5'	3/4" 2.0'
	22 1/2°	*			
	45°	33	3.2'	3/4" 2.0'	
10"	11 1/4°	*	86	4.4'	3/4" 2.0'
	22 1/2°	13	2.3'	3/4" 2.0'	
	45°	64	4.0'	3/4" 2.0'	
12"	11 1/4°	*	141	5.2'	1" 3.5'
	22 1/2°	20	2.7'	3/4" 2.0'	
	45°	111	4.8'	3/4" 2.0'	
	90°	206	5.9'	1 1/8" 4.0'	

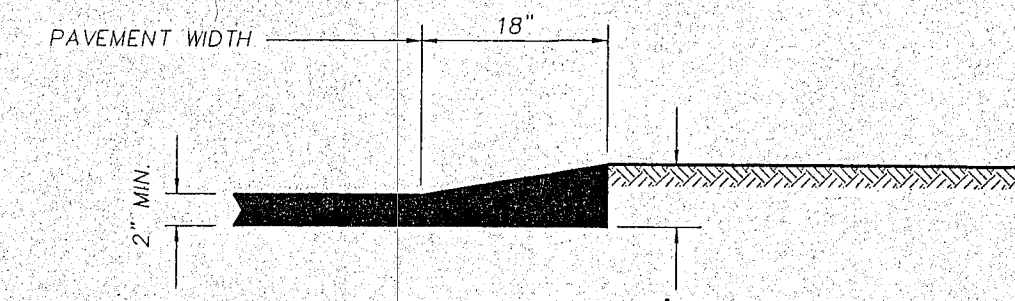


## NOTES:

1. Catch basin/filter body shall be one piece construction, molded from petroleum resistant fiberglass which meets or exceeds PS 15-69.
2. Grate and frame shall be fabricated steel, not dipped galvanized in accordance with ASTM A-123.
3. Grate shall have maximum spacing between bearing bars of 1/2" in accordance with ADA requirements and shall be secured with locking bolts.
4. Grate shall be designed for H20 wheel loading.
5. Filter screen and screen frame shall be stainless steel (Type 304).
6. Catch basin may be specified with 4", 6", or 8" bottom outlet.
7. Filter medium shall be Fossil Rock™, installed and maintained in accordance with manufacturer recommendations.

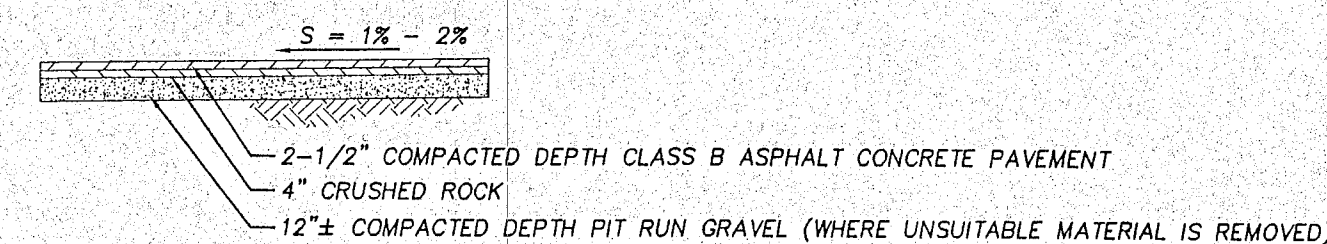


FOSSIL FILTER MODEL FB-24 CATCH BASIN

(WITH BOTTOM OUTLET)  
SCALE: NONE

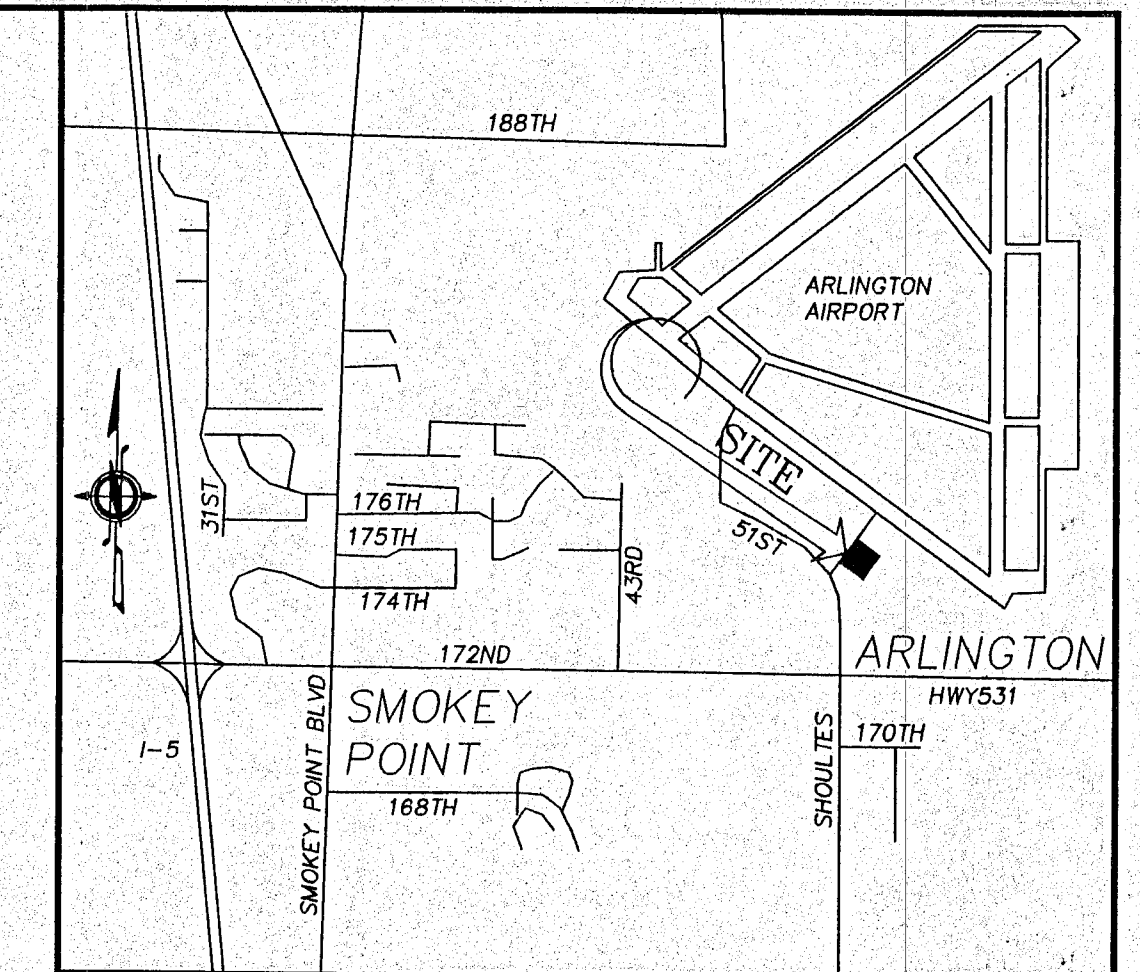
ASPHALT THICKENED EDGE (TYP.)

NOT TO SCALE



TYPICAL PAVEMENT PAVING SECTION

NOT TO SCALE



VICINITY MAP

SCALE 1" = 2,000 FT.

REFER TO ARLINGTON CITY STD:

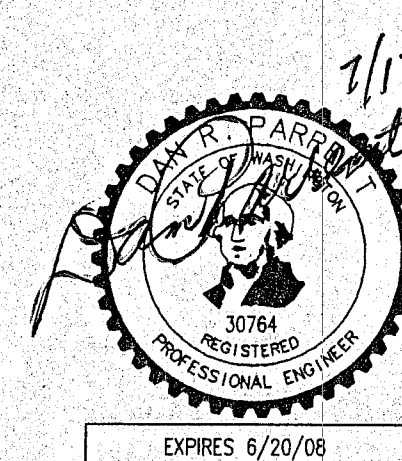
- R-4 CEMENT CONCRETE CURB AND GUTTER
- R-6 CEMENT CONCRETE SIDEWALK
- R-22 EXTRUDED CONCRETE CURB
- R-23 PAVEMENT PATCHING DETAILS

CITY OF ARLINGTON	
THIS SHEET HAS BEEN APPROVED PER CONDITIONS ON THE COVER SHEET.	
CONSTRUCTION	AS-BUILT ACKNOWLEDGMENT
BY: CITY ENGINEER	BY: CITY ENGINEER
DATE: / /	DATE: 8/10/03

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: THIS APPROVAL VALID FOR 18 MONTHS	

REV. NO.	DESCRIPTION	INITIALS	DATE
1	CITY REVISIONS	MNF	7/22/03

CALL 48 HOURS  
BEFORE YOU DIG  
1-800-553-4344



FILE #: MN-03-031

PERCO  
ENGINEERING P.C.  
(PROFESSIONAL SERVICES CORP.)  
9920 - 271st ST. NW  
STANWOOD, WASH. 98292  
PHONE: (360) 629-6710

PROFILES  
FOR  
W. NEAL KARMAN

design: DRP  
drawn: MNF  
app'd:   
date: 6-20-03  
dwg: 5 OF 8  
scale: AS SHOWN  
job no: 22081



GRADING AND EROSION CONTROL  
METHODS OF CONSTRUCTION

1. **GENERAL.**  
The erosion/sedimentation control facilities shall be constructed prior to any grading or extensive land clearing. In accordance with the approved grading and temporary erosion/sedimentation control plan. These facilities must be satisfactorily maintained until construction and landscaping is completed and the potential for sheet erosion has passed. All paved areas shall be graded to have positive drainage to, collection conveyance systems or overland sheet drain areas at a minimum of one percent slopes.
2. **NONE**
3. **TEMPORARY GRAVEL CONSTRUCTION ENTRANCE:**  
Aggregate: 4" to 6" quarry spalls  
Entrance dimensions: The aggregate layer must be at least one foot thick. It must extend the full width of the vehicular ingress and egress area. The length of the entrance must be at least 50 feet.  
Installation: The area of the entrance should be cleared of all vegetation and roots. The quarry spalls shall be placed to the specified dimensions. Any drainage facilities required because of washing should drain to an approved sediment control facility. If wash racks are used, they should be installed according to manufacturer's specifications.  
Maintenance: The entrance shall be maintained in a condition which will prevent tracking or flow of mud onto public right-of-way. This may require periodic top dressing with 2" stone as conditions demand. All materials dropped, washed or tracked from vehicles onto the roadway or into storm drains, must be removed immediately.
4. **FILTERING DEVICES:**  
Filtering devices, such as filter fabric fences, shall be used to filter runoff prior to discharge from site. See Standard Plan. Approved filter fabrics are Celanese fiber, polyvinyl chloride woven cloth, reinforced chlorosulfonated polyethylene cloth, chlorinated polyethylene woven cloth, such as Milraft 100 X, Typar 3401, Stablenke 100, or approved equivalent.
5. **FLEXIBLE DOWN DRAINS:**  
Flexible down drains may be utilized as temporary structures to protect open slopes and shall be constructed of forced and sections connected by plastic sheet tubing, heavy duty fabric, or non-perforated corrugated plastic pipe. See Standard Plan.
6. **TEMPORARY SOIL STABILIZATION MEASURES:**  
Soil stabilization measures protect soil from the erosive forces of raindrop impact and flowing water. Acceptable measures include establishing vegetation by sodding or seeding, mulching with 2 tons of straw per acre or approved equal, plastic or other impervious covering staked to the ground or anchored with rocks or sandbags, and the early application of gravel base on areas to be paved the time of the year and the site conditions. Seeding alone is acceptable only on flat areas and slopes less than 25%, only during the periods approved by the City Engineer. Mulch may need to be held in place by utility mesh or netting. Hydroseeding is generally the required minimum.
7. **TEMPORARY SILTATION/SEDIMENTATION PONDS:**  
Temporary siltation/sedimentation ponds shall be required of all land alteration operations in order to detain runoff waters and trap sediment from erodible areas thus protecting properties, drainage ways and streams below the installation from damage by excessive sedimentation and debris deposition. The dam or barrier forming the pond shall be located to provide for maximum volume capacity for trapping sediment behind the structure as well as for greatest ease of clean out. The temporary pond requirement may be waived at the discretion of the city engineer, for small areas of land disturbance where potential damage is minimal and pond construction impractical as long as runoff from all such areas is filtered prior to discharge from the site through a sediment trap. (see 8 - Sediment Traps)  
Temporary siltation/sedimentation ponds are basins created by construction of a barrier or by excavation or by a combination of both.  
Interior surfaces of the sedimentation pond shall be stabilized where required to prevent erosion of the pond bottom and/or sides.  
Interior sides of the pond shall be no steeper than 3 feet horizontal to 1 foot vertical. Siltation/sedimentation ponds shall provide a minimum of 2 feet of dead storage below the outflow elevation and will be sized to provide a minimum of 1 cubic foot of live storage per 100 square feet of tributary area.  
A stabilized access will be provided to the siltation/sedimentation pond for sediment removal and other maintenance.  
Temporary sediment ponds shall be maintained. The embankment of the basin shall be checked regularly to insure that it is structurally sound and has not been damaged by erosion or construction equipment. The emergency spillway should be checked regularly to insure that it's lining is well established and erosion-resistant. The siltation basin shall be checked after each runoff-producing rainfall. Sediment shall be removed and properly disposed of, as required.
8. **SEDIMENT TRAPS:**  
Sediment traps are structures of limited capacity designed to create a temporary siltation filter around storm drain inlets or at points where silt laden stormwater is discharged. Periodic maintenance by the contractor or developer is crucial to the proper functioning of sediment traps. Examples of typical sediment trap installations are found in the Standard Plans.  
Sediment traps may be constructed of straw bale barriers, siltation fence and gravel, gravel dams, or some combination of the above. Placement of filter fabric under the grate of a catch basin is not an acceptable method of inlet protection.  
Straw bale barriers shall be inspected immediately after each rainfall and at least daily during prolonged rainfall. Close attention shall be paid to the repair of damaged bales, end runs and undercutting beneath bales. Necessary repairs to barriers or replacement of bales shall be accomplished promptly. Sediment deposits should be removed after each rainfall. They must be removed when the level of disposition reaches approximately one half the height of the barrier. Any sediment deposits remaining in place after the straw bale barrier is no longer required shall be dressed to conform to the existing grade, prepared and seeded.
9. **SEEDING AND RESTORATION:**  
Areas disturbed by construction activity which are not to be covered by permanent impervious surface shall be landscaped or reseeded at the earliest possible time, not to exceed 15 days after final grade is reached during the period of June 1 to August 31. During the rest of the year, landscaping or reseeding is required within 7 days of reaching final grade.  
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 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 year in question. Grass seeding alone will be acceptable only during the months of April through September inclusive. Seeding may proceed wherever it is in the interest of the permittee, but must be augmented with mulching, netting, or other measures approved by the City of Arlington, outside the specified time period.
- Seed Mixture**  
The seed mixture and rate of application shall be as follows:  
Kind and Variety of Seed in Mixture Weight Percent by Weight  
Colonial Bentgrass (Highlands or Astoria) 10  
Red Fescue (Illahoee, Ranier or Pennium) 40  
Perennial Ryegrass 40  
White Dutch Clover 10  
Seed in Mixture (Lawn Seed Mix) Weight Percent by Weight  
Kind and Variety of Seed in Mixture Weight Percent by Weight  
Red Creeping Fescue 45  
Chewings Fescue 30  
Kentucky Bluegrass 15  
Highland Colonial Bentgrass 10  
The rate of application shall be 4 pounds per 1,000 square feet. No noxious weeds will be permitted. The seed mixture shall be no less than 98% pure, and shall have a minimum germination rate of 90%.  
Fertilizer:  
Fertilizer shall be a standard commercial grade of organic or inorganic fertilizer of the kind and quality specified herein. It may be separate or in a mixture containing the percentage of total nitrogen, available phosphoric acid and water soluble potash in the amounts specified. All fertilizers shall be furnished in standard unopened containers with weight, name of plant nutrients and manufacturer's guaranteed statement of analysis clearly marked, all in accordance with State and Federal laws.  
Acceptable commercial fertilizer may be supplied in one of the following forms:  
A. A dry free-flowing granular fertilizer suitable for application by agricultural fertilizer spreader.  
B. A soluble fertilizer ground to a fineness that will permit complete suspension of insoluble particles in water, suitable for application by power sprayer.  
C. A granular or pelleted fertilizer, suitable for application by blower equipment.  
D. A non-volatile liquid fertilizer.  
Fertilizer shall be standard commercial grade of formulation. Fifty percent of the nitrogen shall be derived from 38 ureaformaldehyde and applied at the rate of 12 pounds per 1,000 square feet.  
Mulch:  
Wood Cellulose fiber mulch shall be specially processed wood fiber containing no growth or germination inhibiting factors and shall be dyed a suitable color to facilitate inspection of the placement of the material. It shall be manufactured in such a manner that after addition and agitation in slurry tanks with water, the fibers in the material will become uniformly suspended to form a homogeneous slurry. When hydraulically sprayed on the ground, the material shall allow the observation and penetration of moisture.  
Each package of the cellulose fiber shall be marked by the manufacturer to show the air dry weight content.  
Wood cellulose fiber shall be applied at the rate of 60 pounds per 1,000 square feet.

ENGINEER'S GRADING SPECIFICATIONS

1. SITE SOILS ARE CONSIDERED MOISTURE SENSITIVE AND ARE SUSCEPTIBLE TO DISTURBANCE BY CONSTRUCTION EQUIPMENT, PARTICULARLY DURING WET WEATHER. THE GRADING CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO LIMIT SURFACE DISTURBANCE AND TO PROTECT THE SITE GRADING AREA FROM EXCESSIVE EROSION.
2. AREAS TO RECEIVE FILL SHALL BE CLEARED OF ALL VEGETATION AND DELETERIOUS MATERIAL.
3. AREAS TO RECEIVE FILL SHALL BE PROOF ROLLED. ALL LOOSE OR SOFT AREAS SHALL BE REMOVED AND REPLACED WITH STRUCTURAL FILL.
4. ALL FILL MATERIALS SHALL BE FREE OF VEGETATION AND DELETERIOUS MATERIAL AND SHALL NOT CONTAIN ROCKS GREATER THAN SIX INCHES IN DIAMETER.
5. STRUCTURAL FILLS SHALL BE PLACED IN 6"-8" THICK LOOSE HORIZONTAL LIFTS AND SPREAD UNIFORMLY. AFTER EACH LIFT HAS BEEN PLACED AND SPREAD EVENLY, STRUCTURAL FILL SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY BY MODIFIED PROCTOR TEST (ASTM D-1557-70).
6. NON-STRUCTURAL FILL MAY BE COMPACTED TO 85-90% PROCTOR.
7. THE SURFACE OF ALL SLOPES SHALL BE COMPACTED. THIS MAY BE ACCOMPLISHED BY OVER-BUILDING THE SLOPES, THEN CUTTING BACK TO FINAL GRADES, OR BY RUNNING THE COMPACTOR OVER THE SLOPE AS EACH FILL LIFT IS BEING PLACED. ALL SLOPES SHALL BE COMPACTED BY THE END OF EACH WORKING DAY.
8. FIELD DENSITY TESTS SHALL BE MADE BY A QUALIFIED SOILS ENGINEER. DENSITY TESTS SHALL BE TAKEN AT OR JUST BELOW THE SURFACE OF THE FILL AT A LOCATION AND FREQUENCY DETERMINED BY THE SOILS ENGINEER. WHEN THE SOIL TESTS INDICATE THAT THE DENSITY OF ANY LAYER OF FILL OR ANY PORTION THEREOF IS BELOW THE SPECIFIED DENSITY, THE PARTICULAR SECTION SHALL BE REWORKED UNTIL THE REQUIRED DENSITY HAS BEEN OBTAINED.
9. PUBLIC STREETS SHALL BE KEPT CLEAR OF DIRT AND DEBRIS DURING GRADING OPERATIONS.
10. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY EARTHWORK QUANTITIES PRIOR TO BID SUBMITTAL. NO REPRESENTATION IS MADE IN THESE PLANS REGARDING THE CONSTRUCTION SUITABILITY OF ON-SITE SOILS OR THE FINAL CUT/FILL BALANCE.
11. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY EARTHWORK QUANTITIES PRIOR TO BID SUBMITTAL. NO REPRESENTATION IS MADE IN THESE PLANS REGARDING THE CONSTRUCTION SUITABILITY OF ON-SITE SOILS OR THE FINAL CUT/FILL BALANCE.
12. AS-BUILT PLANS: THE CONTRACTOR SHALL KEEP 2 SETS OF PLANS ON-SITE AT ALL TIMES FOR RECORDING AS-BUILT INFORMATION. ONE SET SHALL BE RETURNED TO WESTERN ENGINEERS, INC. AT THE COMPLETION OF CONSTRUCTION AND PRIOR TO THE FINAL ACCEPTANCE OF THE WORK.
13. THE CONTRACTOR/OWNER SHALL NOTIFY PERCO ENGINEERING P.C. AND THE CITY/COUNTY ENGINEER WHEN CONFLICTS OCCUR BETWEEN THE PLANS AND OBSERVED FIELD CONDITIONS. CONFLICTS SHALL BE RESOLVED WITH THE PROJECT ENGINEERS PRIOR TO PROCEEDING WITH CONSTRUCTION.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION. LOCATIONS OF EXISTING UTILITIES ARE SHOWN BASED UPON THE BEST AVAILABLE RECORDS AND ARE SUBJECT TO VARIATIONS. FOR AID IN UTILITY LOCATIONS, CALL 1-800-553-4344.
15. SITE SOILS ARE CONSIDERED MOISTURE SENSITIVE AND ARE SUSCEPTIBLE TO DISTURBANCE BY CONSTRUCTION EQUIPMENT, PARTICULARLY DURING WET WEATHER. THE GRADING CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO LIMIT SURFACE DISTURBANCE AND TO PROTECT THE SITE GRADING AREA FROM EXCESSIVE EROSION.
16. AREAS TO RECEIVE FILL SHALL BE CLEARED OF ALL VEGETATION AND DELETERIOUS MATERIAL.
17. AREAS TO RECEIVE FILL SHALL BE PROOF ROLLED. ALL LOOSE OR SOFT AREAS SHALL BE REMOVED AND REPLACED WITH STRUCTURAL FILL.
18. ALL FILL MATERIALS SHALL BE FREE OF VEGETATION AND DELETERIOUS MATERIAL AND SHALL NOT CONTAIN ROCKS GREATER THAN SIX INCHES IN DIAMETER.
19. STRUCTURAL FILLS SHALL BE PLACED IN 6"-8" THICK LOOSE HORIZONTAL LIFTS AND SPREAD UNIFORMLY. AFTER EACH LIFT HAS BEEN PLACED AND SPREAD EVENLY, STRUCTURAL FILL SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY BY MODIFIED PROCTOR TEST (ASTM D-1557-70).
20. NON-STRUCTURAL FILL MAY BE COMPACTED TO 85-90% PROCTOR.
21. FIELD DENSITY TESTS SHALL BE MADE BY A QUALIFIED SOILS ENGINEER. DENSITY TESTS SHALL BE TAKEN AT OR JUST BELOW THE SURFACE OF THE FILL AT A LOCATION AND FREQUENCY DETERMINED BY THE SOILS ENGINEER. WHEN THE SOIL TESTS INDICATE THAT THE DENSITY OF ANY LAYER OF FILL OR ANY PORTION THEREOF IS BELOW THE SPECIFIED DENSITY, THE PARTICULAR SECTION SHALL BE REWORKED UNTIL THE REQUIRED DENSITY HAS BEEN OBTAINED.

WORK WITHIN EXISTING RIGHTS-OF-WAY

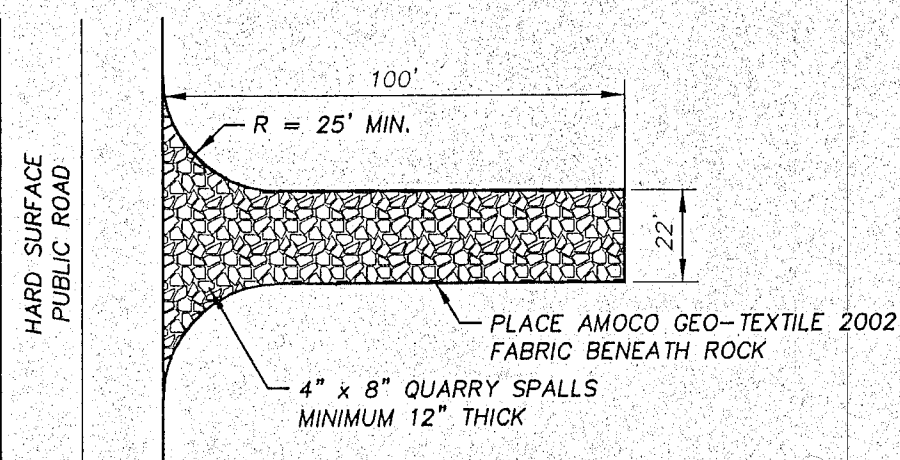
1. At the Public Works Director's discretion, prior to commencing any construction of a new or existing roadway, the contractor shall be required to provide a camera shall be used and color pictures provided as 5" x 7" prints, contained in albums catalogued and cross-referenced.
2. Signing, flagging 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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 falling onto the roadway.
8. 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 Public Works Department Development is required.
9. Street surfaces shall be cleaned at the end of each day's operation with a power broom or other approved means.
10. No open cut crossing of City roads or streets shall be made without the prior approval of the Public Works Director.
11. 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.
12. Final cleanup including complete restoration of shoulders, clearing 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.
13. The permittee will be responsible to coordinate with the State Department of Natural Resources for any conflict between permit work and existing monumentation.
14. To remove existing asbestos cement pipe from trenches, a fee and permit is required by the Washington State Department of Labor and Industries. In addition, Washington State Department of Labor and Industries requires that operators removing asbestos cement pipe be certified.

GENERAL REQUIREMENTS

1. 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, current edition, except where modified by the latest edition of the City of Arlington Construction Standards and Specifications.
2. An approved copy of construction plans must be on site whenever construction is in progress.
3. 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. See the following section - "Work Within Existing Rights-of-Way."
4. Prior to any construction activity, the City of Arlington Public Works Department (Greg Egan (360) 403-3527) must be contacted for a pre-construction meeting.
5. 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 (1-800-535-4344) 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 relocate request.
6. All materials shall be new and undamaged, of an approved brand, with replacement and repair parts readily available from the general Arlington/Seattle area.
7. All materials shall be approved by the City prior to installation.
8. All public water, sewer, and storm drainage piping not in public right-of-way requires 10 foot wide permanent easements granted to the City.
9. As-built plans shall be submitted for all developments, short plots, 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 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.

MAINTENANCE OF SILTATION BARRIERS

1. SILTATION BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BARRIERS, END RUNS AND UNDERCUTTING BENEATH BARRIERS. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BARRIERS SHALL BE ACCOMPLISHED PROMPTLY. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEDED.



NOTES:

1. INSTALLATION: THE AREA OF THE ENTRANCE SHOULD BE CLEARED OF ALL VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL. THE GRAVEL SHALL BE PLACED TO THE SPECIFIED DIMENSIONS. ANY DRAINAGE FACILITIES REQUIRED BECAUSE OF WASHING SHOULD BE CONSTRUCTED ACCORDING TO SPECIFICATIONS IN THE PLAN. IF WASH RACKS ARE USED, THEY SHOULD BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
2. AGGREGATE: 4" TO 6" CRUSHED BALLAST ROCK WSDOT STANDARD SPECIFICATION 9-03.9 (1)
3. ENTRANCE DIMENSIONS: THE AGGREGATE LAYER MUST BE AT LEAST 6 INCHES THICK. IT MUST EXTEND THE FULL WIDTH OF THE VEHICULAR INGRESS AND EGRESS AREA. THE LENGTH OF THE ENTRANCE MUST BE AT LEAST 100 FEET.
4. WASHING: IF CONDITIONS ON THE SITE ARE SUCH THAT MOST OF THE MUD IS NOT REMOVED FROM VEHICLE TIRES BY CONTACT WITH THE GRAVEL, THEN THE TIRES MUST BE WASHED BEFORE VEHICLES ENTER A PUBLIC ROAD. WASH WATER MUST BE CARRIED AWAY FROM THE ENTRANCE TO A SETTLING AREA TO REMOVE SEDIMENT. A WASH RACK MAY ALSO BE USED TO MAKE WASHING MORE CONVENIENT AND EFFECTIVE.
5. MAINTENANCE: THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 2-INCH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN OUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAY OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

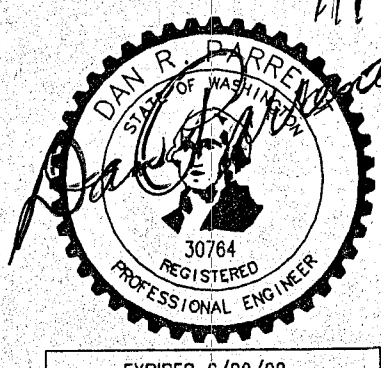
TEMPORARY CONSTRUCTION ENTRANCE

NOT TO SCALE (SEE ARLINGTON CITY STD. G-12)

CONSTRUCTION SETBACK DETAIL

NOT TO SCALE

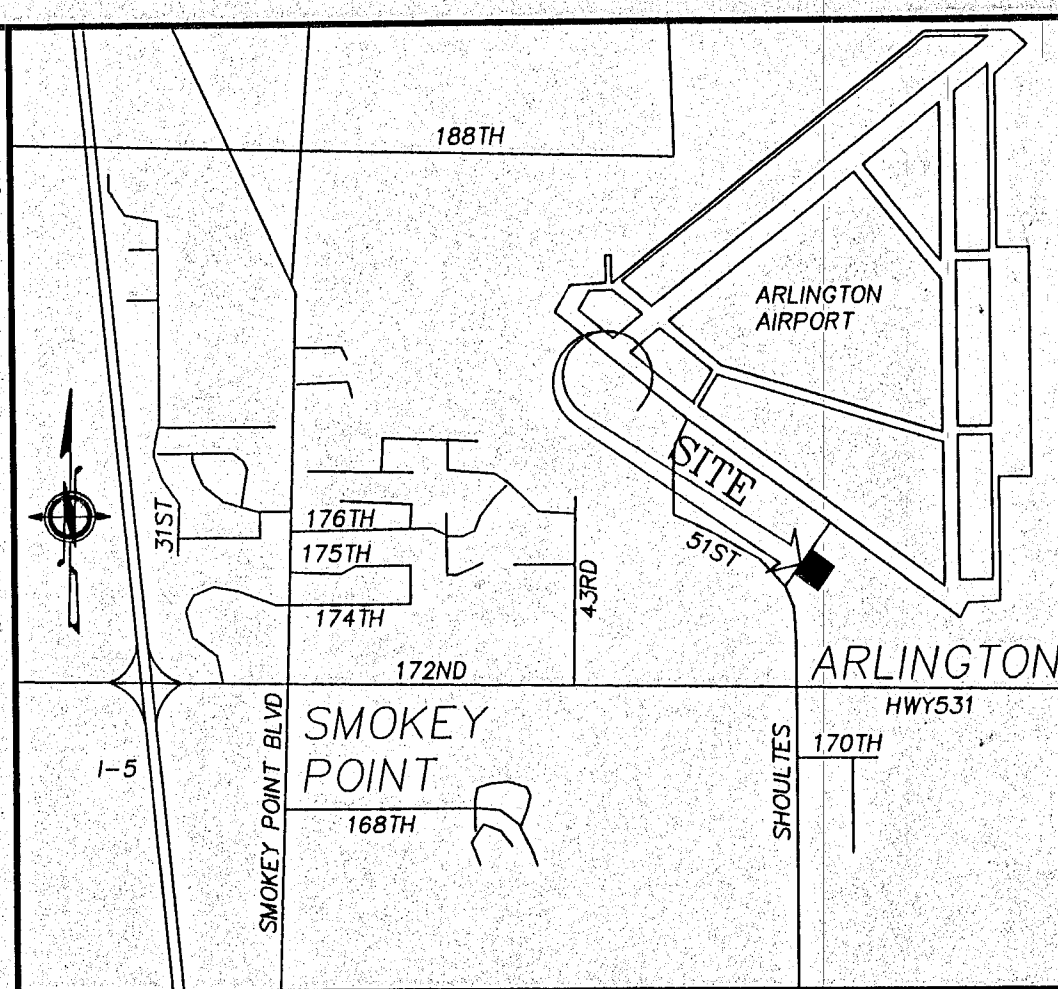
CALL 48 HOURS  
BEFORE YOU DIG  
1-800-553-4344



**PERCO**  
ENGINEERING P.C.  
(PROFESSIONAL SERVICES CORP.)  
9920 - 271st ST. NW  
STANWOOD, WASH. 98292  
PHONE: (360) 629-6710

**GRADING & TESC  
NOTES & DETAILS**  
FOR  
**W. NEAL KARMAN**

design. DRP  
drawn. MNF  
app'd. 6-20-03  
date. 6 OF 8  
dwg. AS SHOWN  
scale. 22081  
job no.




VICINITY MAP  
SCALE 1" = 2,000 FT.

ARLINGTON CITY T.E.S.C. STANDARDS:

- G-4 STRAW BALE DAM  
G-7 GRASS LINES SWALE  
G-11 ALTERNATE SEDIMENT CONTROL FENCE - SMALL AREAS

CITY OF ARLINGTON

THIS SHEET HAS BEEN APPROVED PER CONDITIONS ON THE COVER SHEET.

CONSTRUCTION	AS-BUILT ACKNOWLEDGMENT
BY: CITY ENGINEER	BY:  CITY ENGINEER
DATE: / /	DATE: 8/10/04

CITY OF ARLINGTON

AS-BUILT CONSTRUCTION DRAWING  
REVIEW ACKNOWLEDGMENT

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

BY: CITY ENGINEER  
DATE: THIS APPROVAL VALID FOR 18 MONTHS

REV. NO.	DESCRIPTION	INITIALS	DATE
1	CITY REVISIONS	MNF	7/22/03









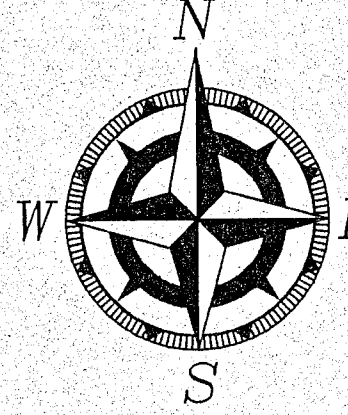


LANDSCAPE AREA:  
25' WIDE x 113' LONG = 2,825 SQ. FT.  
(2) 5' WIDE x 18' LONG = 180 SQ. FT.  
TOTAL LANDSCAPING AREA = 3,005 SQ. FT.

PLANTING SCHEDULE:  
(1) (2) THUJA OCCIDENTALIS AMERICAN ARBORVITAE "EMERALD GREEN"  
(3) (4) RHODODENDRON AZALEA "HINO CRIMSON"  
(4) HOSTA (FUNKIA) LILIACEAE "CHINESE SUNRISE"  
ADDITIONAL SPACE WILL BE TAKEN UP BY GROUND COVER:  
AROCYNACEAE (VINCA) OR EQUAL

LANDSCAPING:  
1. SHRUB MUST BE 9 PER 100 S.F.  
2. ISLAND GROUND COVER = 4" POTS @ 18" ON CENTER.

Scale: 1" = 20'

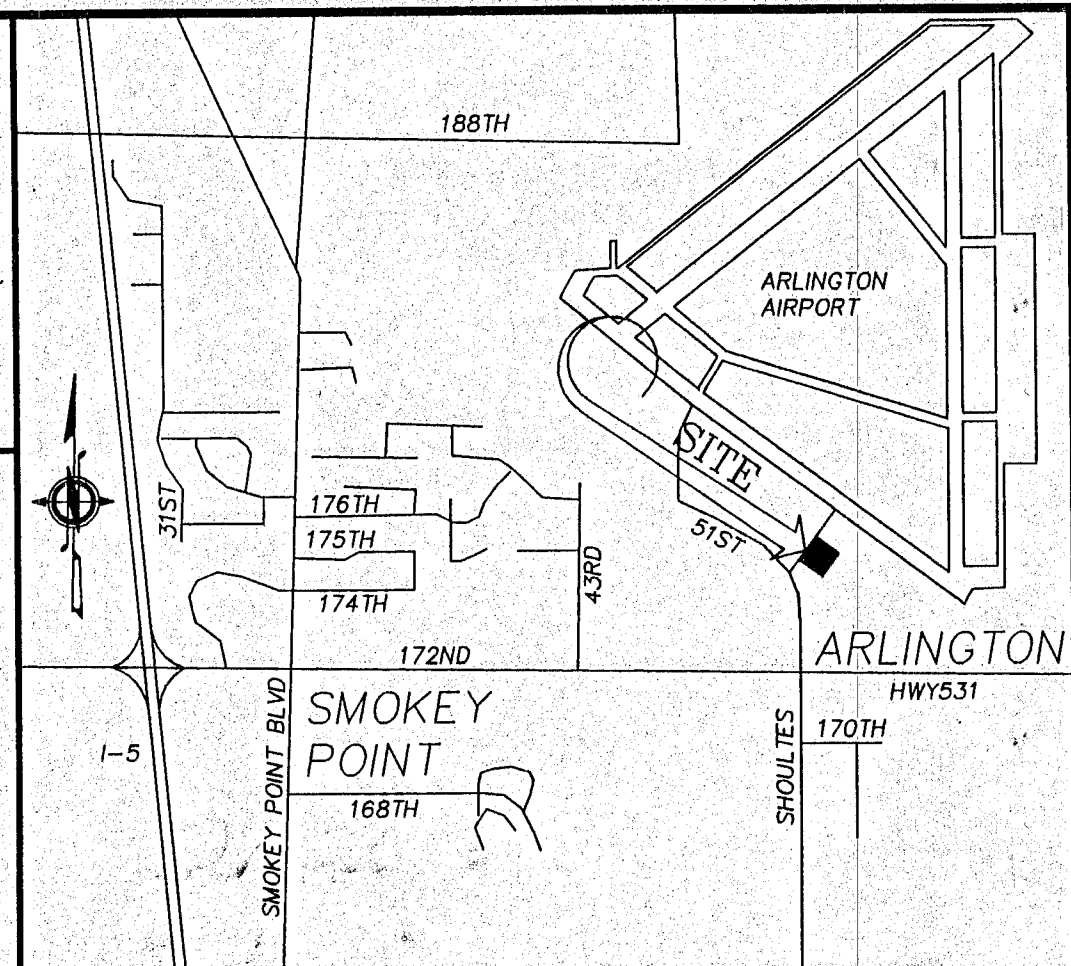


UTILITY CONFLICT NOTE:  
CAUTION:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT, BY POT-HOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 1-800-553-4344 AND THEN POT-HOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT PERCO ENGINEERING TO RESOLVE ALL PROBLEMS PRIOR

CALL 48 HOURS  
BEFORE YOU DIG  
1-800-553-4344

A COPY OF CITY OF ARLINGTON STANDARD PLANS AND SPECIFICATIONS TO REMAIN ON SITE AT ALL TIMES.



VICINITY MAP  
SCALE 1" = 2,000 FT.

I.B.M.:  
BRASS WSDOT DESIGNATION "GP31531-162"  
LOCATED AT N.E. SIDE JCT. SR531  
& SMOOKS ON 51st AVE N.E.  
END OF S/W.  
ELEV. = 125.03 MSL  
(NAVD 88)

PROJECT INFORMATION:

TAX NO.: CITY PROPERTY  
SITE ADDRESS: NO ADDRESS HAS BEEN ASSIGNED  
TOTAL AREA: 174,240 S.F. (4.0 AC.)  
EX. SOIL: LYNNWOOD TYPE A  
EXISTING GROUND COVER = GRASS

GEOTECHNICAL ENGINEER:

WESTERN GEOTECHNICAL CONSULTANTS  
4183 SALTSPRINGS DRIVE  
FERNDALE, WA 98248  
(360) 380-2507

SITE INFORMATION:

TOTAL LANDSCAPING AREA: 3,231 SQ. FT.  
# PARKING SPACES (REQUIRED): 25  
# PARKING SPACES (PROVIDED): 30  
IMPERVIOUS AREA: 52,145 SQ. FT.  
BUILDING AREA: 25,000 SQ. FT. (MAIN FLOOR)  
3,500 SQ. FT. (UPPER FLOOR)

SURVEYOR:

PERCO ENGINEERING, P.C.  
9920 271st ST. SW  
STANWOOD, WA 98292  
(360) 629-6710

APPLICANT:

W. NEAL KARMAN  
1725 VERNON ROAD  
LAKE STEVENS, WA 98258  
(425) 418-4299

OWNER:

W. NEAL KARMAN  
1725 VERNON ROAD  
LAKE STEVENS, WA 98258  
(425) 418-4299

CITY OF ARLINGTON  
THIS SHEET HAS BEEN APPROVED PER CONDITIONS ON THE COVER SHEET.

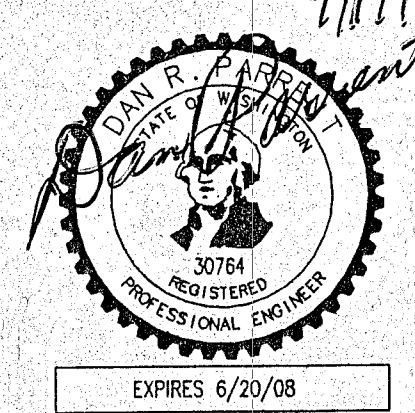
CONSTRUCTION	AS-BUILT ACKNOWLEDGMENT
BY: CITY ENGINEER	BY: CITY ENGINEER
DATE: / /	DATE: 5/10/06

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: THIS APPROVAL VALID FOR 18 MONTHS

REV. NO.	DESCRIPTION	INITIALS	DATE
1	CITY REVISIONS	MNF	7/22/03

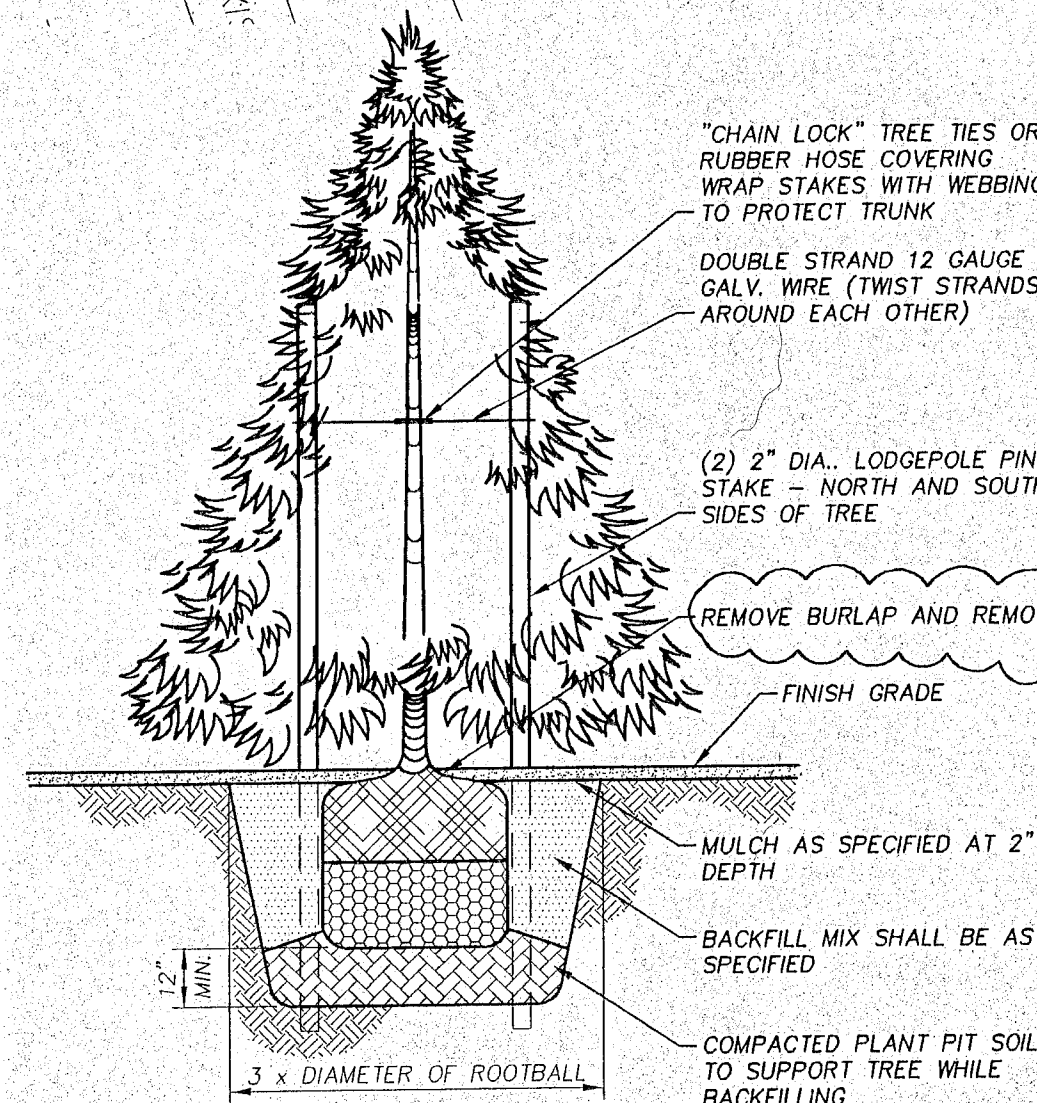


FILE #: MN-03-031

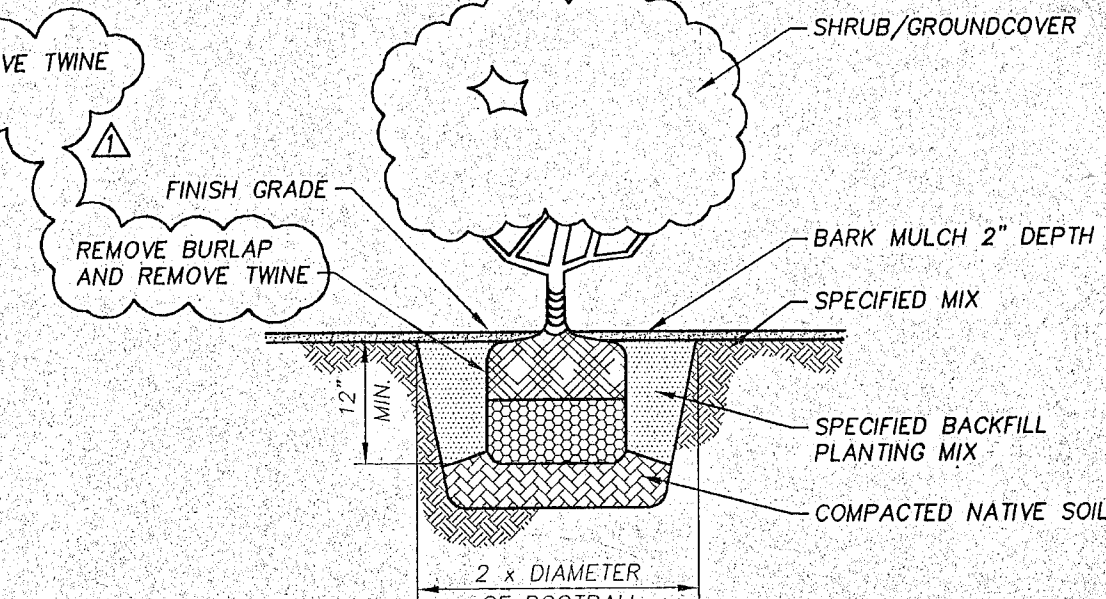
PERCO  
ENGINEERING P.C.  
(PROFESSIONAL SERVICES CORP.)  
9920 - 271st ST. NW  
STANWOOD, WASH. 98292  
PHONE: (360) 629-6710

LANDSCAPING &  
STRIPING PLAN  
FOR  
W. NEAL KARMAN

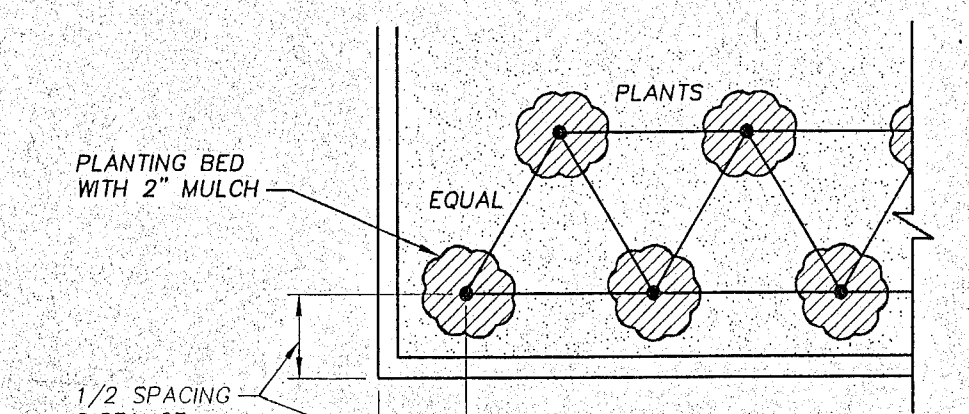
design: DRP  
drawn: MNF  
app'd: 6-20-03  
date: 1 OF 1  
scale: 1" = 20'  
job no.: 22081



EVERGREEN TREE DETAIL  
NO SCALE



SHRUB/GROUNDCOVER  
PLANTING DETAIL  
NO SCALE



GROUNDCOVER SPACING DETAIL  
NO SCALE

