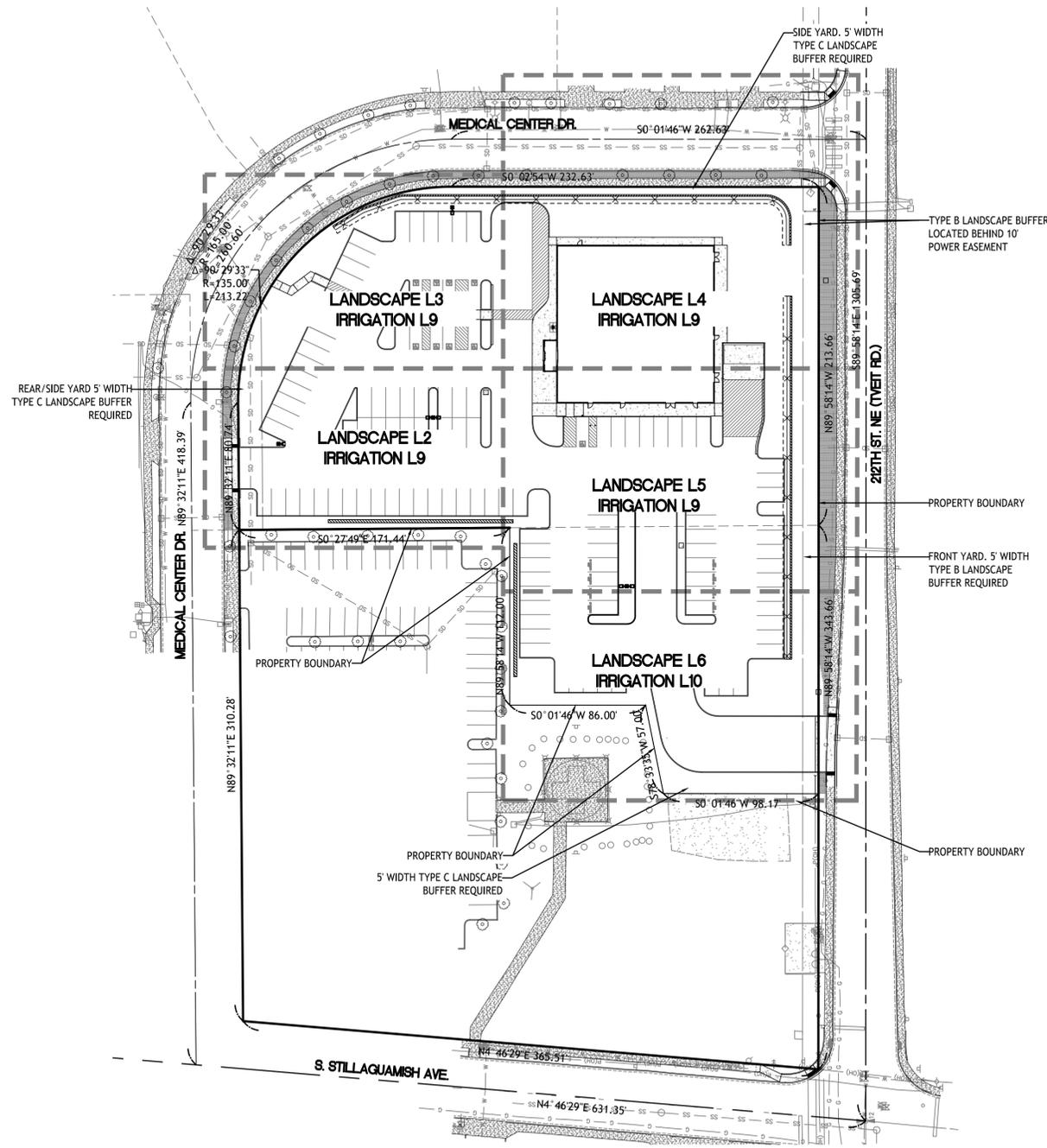
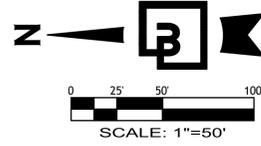


**COVER SHEET**  
FOR  
**MEDICAL CENTER**  
SEC. 12, TWP. 31 N., RGE 5 E., W. M.  
CITY OF ARLINGTON, SNOHOMISH COUNTY, WASHINGTON



**DEVELOPER**  
RG NORTHSOUND LOGISTICS, LLC.  
400 UNIVERSITY STREET, SUITE 300  
SEATTLE, WA 98101  
(206) 203-6237  
CONTACT: J.P. HARLOW  
EMAIL: jharlow@rockefellergroup.com

**ENGINEER/SURVEY**  
BARGHAUSEN CONSULTING ENGINEERS, LLC.  
18215 72ND AVE. SOUTH  
KENT, WA 98032  
TEL: (425) 251-6222  
FAX: (425) 251-8782  
CONTACT: ALEX WHITE, P.E./OWEN HILLE, PLS  
EMAIL: awhite@core-states.com

**ARCHITECT**  
HPA, INC.  
600 GRAND AVENUE, SUITE 302  
OAKLAND, CA 94610  
TEL: (925) 413-6896  
CONTACT: TERESA GOODWIN, RA  
email: teresa@hparchs.com

**LANDSCAPE ARCHITECT**  
BARGHAUSEN CONSULTING ENGINEERS, LLC.  
18215 72ND AVE. SOUTH  
KENT, WA 98032  
TEL: (425) 251-6222  
FAX: (425) 251-8782  
CONTACT: JEFF VARLEY, R.L.A  
EMAIL: jvarley@core-states.com

**UTILITY CONTACT**

**WATER**  
CITY OF ARLINGTON PUBLIC WORKS  
CONTACT: GUS TARARAN, WATER DISTRIBUTION SYSTEM SPECIALIST  
154 WEST COX AVENUE  
ARLINGTON, WA 98223  
TEL: (360) 403-3542  
EMAIL: GTARARAN@ARLINGTONWA.GOV

**SEWER**  
CITY OF ARLINGTON PUBLIC WORKS  
CONTACT: JOE WILSON, WASTEWATER COLLECTION SYSTEM SPECIALIST  
III/LEAD  
154 WEST COX AVENUE  
ARLINGTON, WA 98223  
TEL: (360) 403-3509  
EMAIL: JWILSON@ARLINGTONWA.GOV

**ELECTRIC**  
SNOHOMISH COUNTY PUBLIC UTILITIES  
CONTACT: CUSTOMER ENGINEERING  
2320 CALIFORNIA STREET  
ARLINGTON, WA 98201  
TEL: (425) 783-8272  
EMAIL: INSPECTIONS@SNOPUD.COM

**TELEPHONE**  
COMCAST/XFINITY  
CONTACT: CUSTOMER SERVICE  
TEL: 1 (800) 934-6489

**SHEET INDEX**

- L1 COVER SHEET
- L2 LANDSCAPE PLAN
- L3 LANDSCAPE PLAN
- L4 LANDSCAPE PLAN
- L5 LANDSCAPE PLAN
- L6 LANDSCAPE PLAN
- L7 PLANT SCHEDULE
- L8 LANDSCAPE NOTES AND DETAILS
- L9 IRRIGATION PLAN (1:20 SCALE)
- L10 IRRIGATION PLAN (1:20 SCALE)
- L11 IRRIGATION NOTES AND DETAILS
- L12 IRRIGATION DETAILS
- L13 IRRIGATION DETAILS

**PARKING AREA SHADING CALCULATION:**

PER AMC 20.76.130:  
VEHICLE ACCOMMODATION AREA = 55,840 SF  
20% OF VEHICLE ACCOMMODATION AREA REQUIRED TO BE SHADED  
55,840 SF X 0.2 = 11,168 SF SHADE AREA REQUIRED

SHADE AREA PER TREE = 707 SF (16 TREES)  
707 x 21 = 14,847 SF SHADE AREA PROVIDED (26.6%)

1 PARKING LOT TREE REQUIRED PER 7 PARKING SPACES  
PARKING SPACES = 121  
121 / 7 = 17 TREES REQUIRED, 21 PROVIDED  
(THORNLESS HONEYLOCUST TREE)

**TOTAL LANDSCAPE AREA**

TOTAL AREA: 103,072 SF (2.36 AC)  
TOTAL LANDSCAPE AREA: 31,544 SF (0.66 AC) = 30.6%

**UTILITY CONFLICT NOTE:**

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

BY: \_\_\_\_\_  
Development Services Manager

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

No.	Date	By	Cd.	Appr.	Revision
1	10/9/25	JMV	TCR	JMV	PER SITE PLAN

**Title:**  
COVER SHEET  
NWC 212TH ST NE AND  
MEDICAL CENTER. DR.  
ARLINGTON, WA

**For:**  
VISCONSI COMPANIES, LTD.



Designed	JMV	Drawn	JMV	Checked	JMV	Approved	JMV	Date	10/9/2025
Scale:		Horizontal	1" = 50'	Vertical	NA				

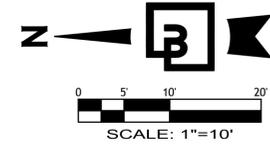
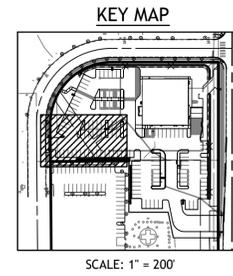
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18215 72nd Avenue South  
Kent, WA 98032  
425.251.6222  
barghausen.com



Job Number  
**24413**

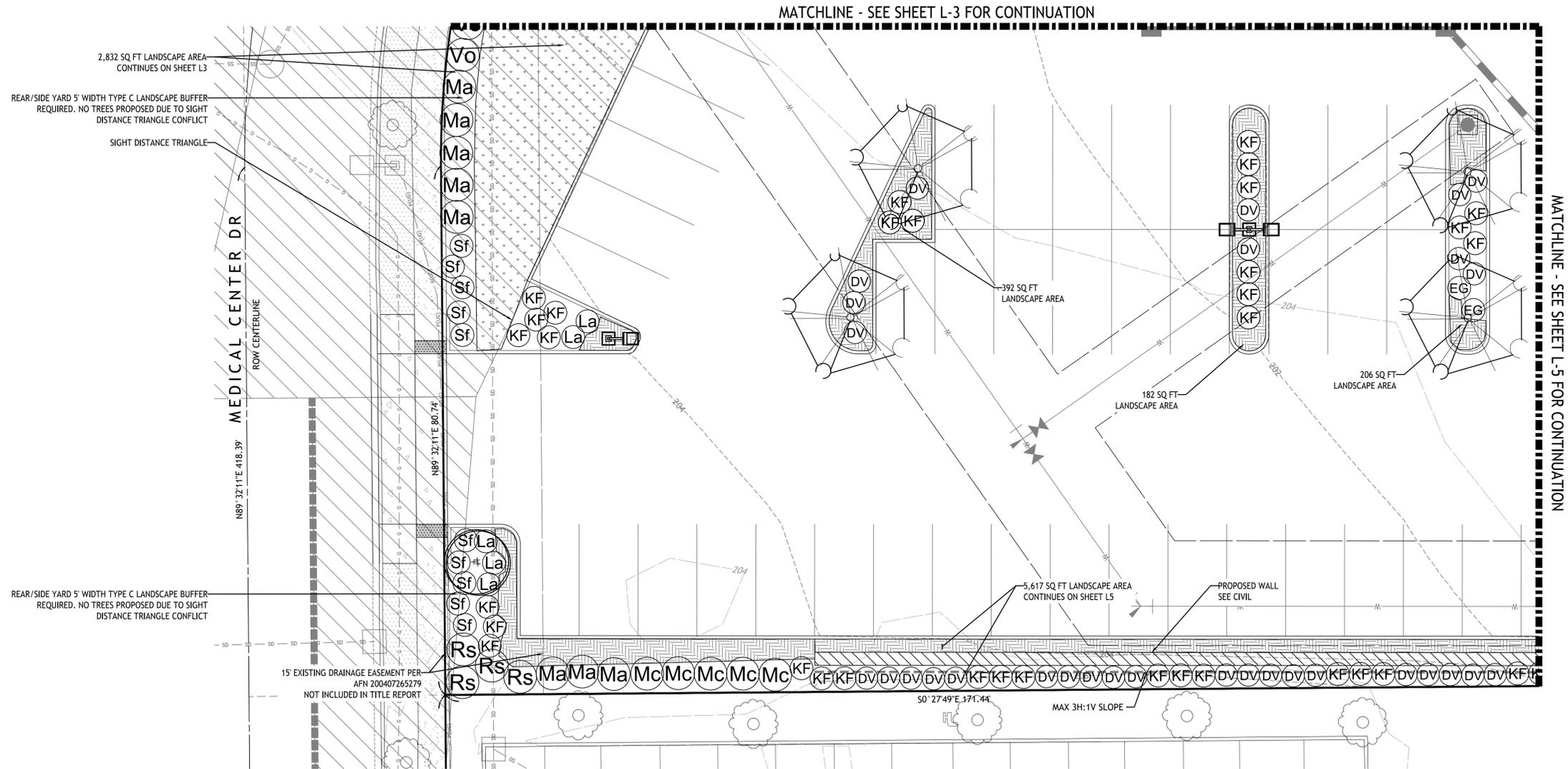
Sheet  
**L1** of **13**

**LANDSCAPE PLAN**  
FOR  
**MEDICAL CENTER**  
SEC. 12, TWP. 31 N., RGE 5 E., W. M.  
CITY OF ARLINGTON, SNOHOMISH COUNTY, WASHINGTON



**LANDSCAPE LEGEND**

- EXISTING OFFSITE TREE TO BE RETAINED  
PROTECT DURING CONSTRUCTION
- EXISTING LANDSCAPE TO BE RETAINED  
PROTECT DURING CONSTRUCTION



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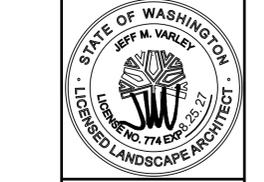
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DATE: \_\_\_\_\_ THIS APPROVAL VALID FOR 18 MONTHS

No.	Date	By	Chk.	Appr.	Revision
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**Title:** LANDSCAPE PLAN  
NWC 212TH ST NE AND  
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ARLINGTON, WA

**For:** VISCONSI COMPANIES, LTD.



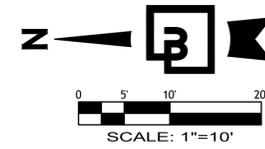
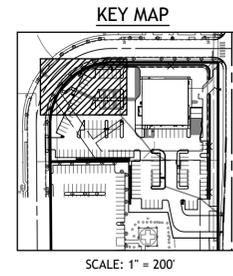
Designed	JMW
Drawn	JMW
Checked	JMW
Approved	JMW
Date	10/9/2025

Scale: Horizontal 1" = 10', Vertical NA

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[barghausen.com](http://barghausen.com)

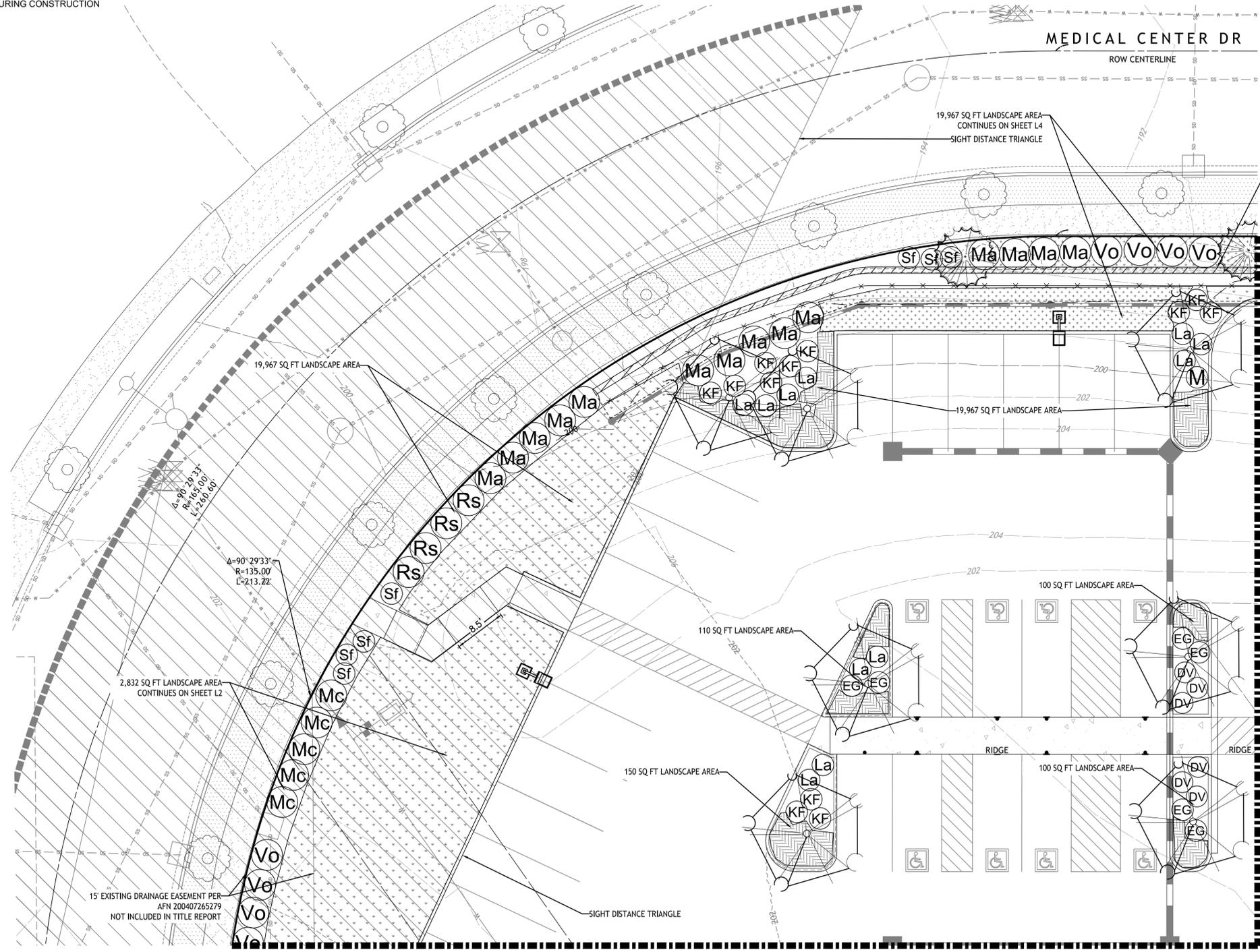
Job Number	24413
Sheet	L2 of 13

**LANDSCAPE PLAN**  
FOR  
**MEDICAL CENTER**  
SEC. 12, TWP. 31 N., RGE 5 E., W. M.  
CITY OF ARLINGTON, SNOHOMISH COUNTY, WASHINGTON



**LANDSCAPE LEGEND**

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- EXISTING LANDSCAPE TO BE RETAINED  
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Development Services Manager

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No.	Date	By	Appr.	Revision
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**Title:**  
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ARLINGTON, WA

**For:**  
VISCONSI COMPANIES, LTD.



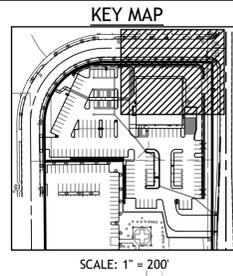
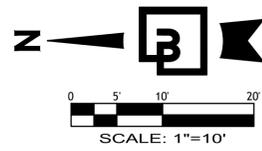
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Vertical NA

Designed	Drawn	Checked	Approved	Date
JMW	JMW	JMW	JMW	10/9/2025

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18215 72nd Avenue South  
Kent, WA 98032  
425.251.6222 [barghausen.com](http://barghausen.com)



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**24413**  
Sheet  
**L3** of **13**



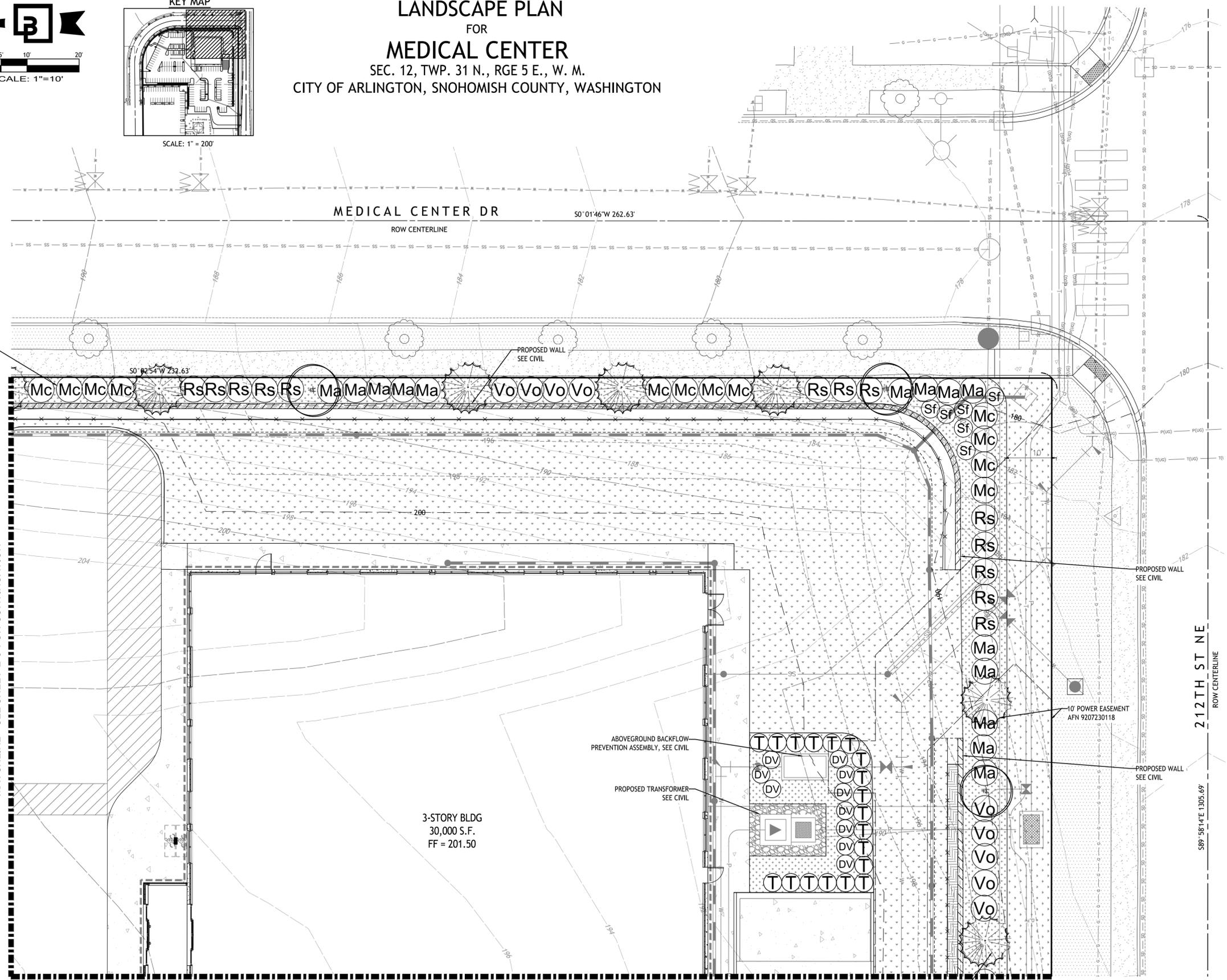
**LANDSCAPE PLAN**  
FOR  
**MEDICAL CENTER**  
SEC. 12, TWP. 31 N., RGE 5 E., W. M.  
CITY OF ARLINGTON, SNOHOMISH COUNTY, WASHINGTON

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- EXISTING LANDSCAPE TO BE RETAINED  
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19,967 SQ FT LANDSCAPE AREA  
CONTINUES ON SHEET L3

MATCHLINE - SEE SHEET L-3 FOR CONTINUATION



MATCHLINE - SEE SHEET L-5 FOR CONTINUATION

19,967 SQ FT LANDSCAPE AREA  
CONTINUES ON SHEET L5

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Development Services Manager

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

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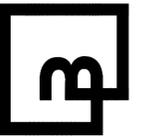
**LANDSCAPE PLAN**  
NWC 212TH ST NE AND  
MEDICAL CENTER. DR.  
ARLINGTON, WA

For: **VISCONSI COMPANIES, LTD.**



Designed	JMW
Drawn	JMW
Checked	JMW
Approved	JMW
Date	10/9/2025

**Barghausen Consulting Engineers, LLC.**  
18215 72nd Avenue South  
Kent, WA 98032  
425.251.6222 [barghausen.com](http://barghausen.com)



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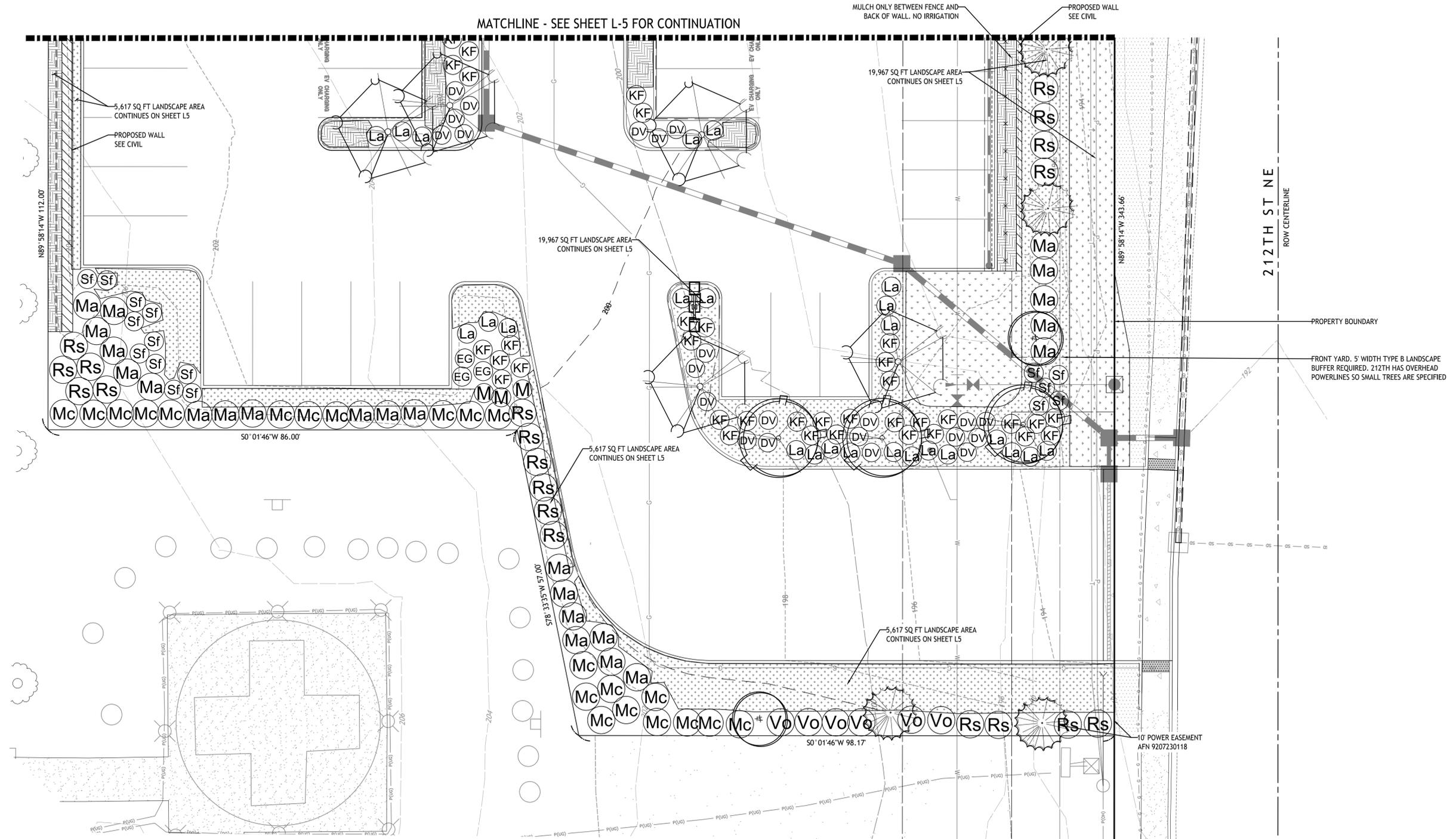
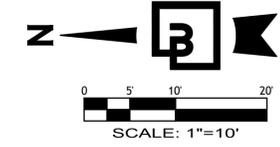
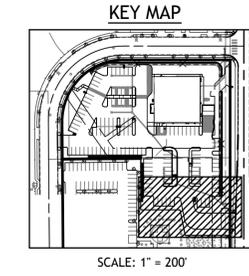
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**LANDSCAPE PLAN**  
FOR  
**MEDICAL CENTER**  
SEC. 12, TWP. 31 N., RGE 5 E., W. M.  
CITY OF ARLINGTON, SNOHOMISH COUNTY, WASHINGTON

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Development Services Manager

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No.	Date	By	Ckd.	Appr.			
<b>Title:</b> LANDSCAPE PLAN NWC 212TH ST NE AND MEDICAL CENTER. DR. ARLINGTON, WA							
<b>For:</b> VISCONSI COMPANIES, LTD.							
							
<b>Scale:</b>		Horizontal 1" = 10'		Vertical NA			
<b>Designed</b>	JMW	<b>Drawn</b>	JMW	<b>Checked</b>	JMW	<b>Approved</b>	JMW
						Date 10/9/2025	
<b>Barghausen Consulting Engineers, LLC.</b> 18215 72nd Avenue South Kent, WA 98032 425.251.6222 <a href="http://barghausen.com">barghausen.com</a>							
							
Job Number <b>24413</b>						Sheet <b>L6</b> of <b>13</b>	

**PLANT SCHEDULE**  
FOR  
**MEDICAL CENTER**  
SEC. 12, TWP. 31 N., RGE 5 E., W. M.  
CITY OF ARLINGTON, SNOHOMISH COUNTY, WASHINGTON

**PLANT SCHEDULE**

SYMBOL	QTY	BOTANICAL / COMMON NAME	CONT.	SIZE
<b>TREES</b>				
	7	ACER CIRCINATUM / VINE MAPLE NURSERY GROWN, MULTI-STEM OR TRUE CLUMPS. STAKE AND GUY ONE GROWING SEASON	B & B	2" CAL
	3	ACER RUBRUM 'ARMSTRONG GOLD' / ARMSTRONG GOLD MAPLE SYN. 'JFS-KW78'. NURSERY GROWN FOR STREET TREE USE, BRANCHING AT 5'. STAKE AND GUY ONE GROWING SEASON.	B & B	2" CAL
	21	GLEDITSIA TRIACANTHOS INERMIS 'SHADEMASTER' / HONEY LOCUST 'SKYLINE' ALSO ACCEPTABLE. NURSERY GROWN FOR STREET TREE USE, BRANCHING AT 5'. STAKE AND GUY ONE GROWING SEASON.	B & B	2" CAL
	16	THUJA PLICATA 'EXCELSA' / WESTERN RED CEDAR NURSERY GROWN, UN CUT LEADER. STAKE AND GUY ONE GROWING SEASON.	B & B	6' MIN. HT.
SYMBOL	QTY	BOTANICAL / COMMON NAME	CONT.	
<b>SHRUBS</b>				
	17	EUONYMUS FORTUNEI 'EMERALD 'N GOLD' / WINTERCREEPER	2 GAL. MIN.	
	56	LAVANDULA ANGUSTIFOLIA 'HIDCOTE SUPERIOR' / HIDCOTE SUPERIOR ENGLISH LAVENDER	2 GAL. MIN.	
	65	MAHONIA AQUIFOLIUM / OREGON GRAPE	2 GAL. MIN.	
	17	MAHONIA AQUIFOLIUM 'COMPACTA' / COMPACT OREGON GRAPE	2 GAL. MIN.	
	53	MYRICA CALIFORNICA / PACIFIC WAXMYRTLE	2 GAL. MIN.	
	39	POLYSTICHUM MUNITUM / WESTERN SWORD FERN	1 GAL.	
	44	RIBES SANGUINEUM / FLOWERING REDCURRANT	2 GAL. MIN.	
	19	THUJA OCCIDENTALIS 'SMARAGD' / ARBORVITAE SYN. 'EMERALD GREEN'	4' MIN. HT.	
	29	VACCINIUM OVATUM / EVERGREEN HUCKLEBERRY	2 GAL. MIN.	
	86	VIBURNUM DAVIDII / DAVID VIBURNUM	2 GAL. MIN.	
<b>GRASS/GRASS-LIKE</b>				
	118	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER' / FEATHER REED GRASS	2 GAL. MIN.	
SYMBOL	QTY	BOTANICAL / COMMON NAME	CONT.	SPACING
<b>GROUND COVERS</b>				
	561	ARCTOSTAPHYLOS UVA-URSI 'MASSACHUSETTS' / KINNIKINNICK	1 GAL.	36" o.c.
	12,655 SF	D.O.T MULTIPURPOSE HYDROSEED MIX LOW MAINTENANCE AND DROUGHT TOLERANT SEED MIX FOR LAWN-TYPE FINISHED CONDITION.SEE SEED MIX INFORMATION SHEET THIS SET.	HYDROSEED	
	835	PRUNUS LAUROCERASUS 'MOUNT VERNON' / LOW ENGLISH LAUREL	1 GAL.	24" o.c.

SUNMARK SEEDS INTERNATIONAL, INC.  
PO Box 1210  
Fairview OR 97024  
503-241-7333  
888-214-7333



Sunmark DOT Multipurpose Mixture

Acres: 1  
Quantity: 300 lbs.

Botanical Name	Common Name	% by Weight	Seeds per lb. of Mix	Seeds per lb.	Actual % by Seed Size	Lbs. Needed	Requested %
<i>Lolium perenne</i> var <i>Blazer 4*</i>	Blazer 4 Perennial Rye	30.00%	67500	225000	21.77%	90.00	30%
<i>Lolium perenne</i> var <i>Express II*</i>	Express II Perennial Rye	30.00%	67500	225000	21.77%	90.00	30%
<i>Festuca rubra</i> spp. <i>Talox</i> var <i>Windward*</i>	Windward Chewings Fescue	20.00%	85000	425000	27.42%	60.00	20%
<i>Festuca rubra</i> var. <i>Garnet**</i>	Garnet Creeping Red Fescue	20.00%	90000	450000	29.03%	60.00	20%
<b>TOTALS:</b>		100.00%	310000		100.00%	300.00	100%

Seeding Rate 7.00 PLS Pounds Per 1000 Square Feet  
300.00 PLS Pounds Per Acre



DOT MULTIPURPOSE is a low-maintenance, low-profile mixture that can transition from a high-visibility, high-quality fine turf applications to sites where 1 or 2 mowings per year are desired. Frequently used in large commercial lawns, vineyards, orchards, and nurseries as permanent roadways. Transitions well from full sun to shaded areas and is very drought tolerant.  
MULCH, TACKIFIER, AND FERTILIZER PER STANDARD INSTALLATION PRACTICES  
Recommended seeding rate 6-8 lbs per 1,000 sq ft.

**LANDSCAPE LEGEND**



ROCK MULCH  
3"-4" D. OF 3"-6" DIA. WASHED COBBLE  
OVER LANDSCAPE FABRIC

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Development Services Manager

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

1	10/9/25	TCR	JWV	JWV	JWV	PER SITE PLAN	Revision

**Title:**  
PLANT SCHEDULE  
NWC 212TH ST NE AND  
MEDICAL CENTER. DR.  
ARLINGTON, WA

**For:**  
VISCONSI COMPANIES, LTD.



**Scale:**  
Horizontal 1" = 10'  
Vertical NA

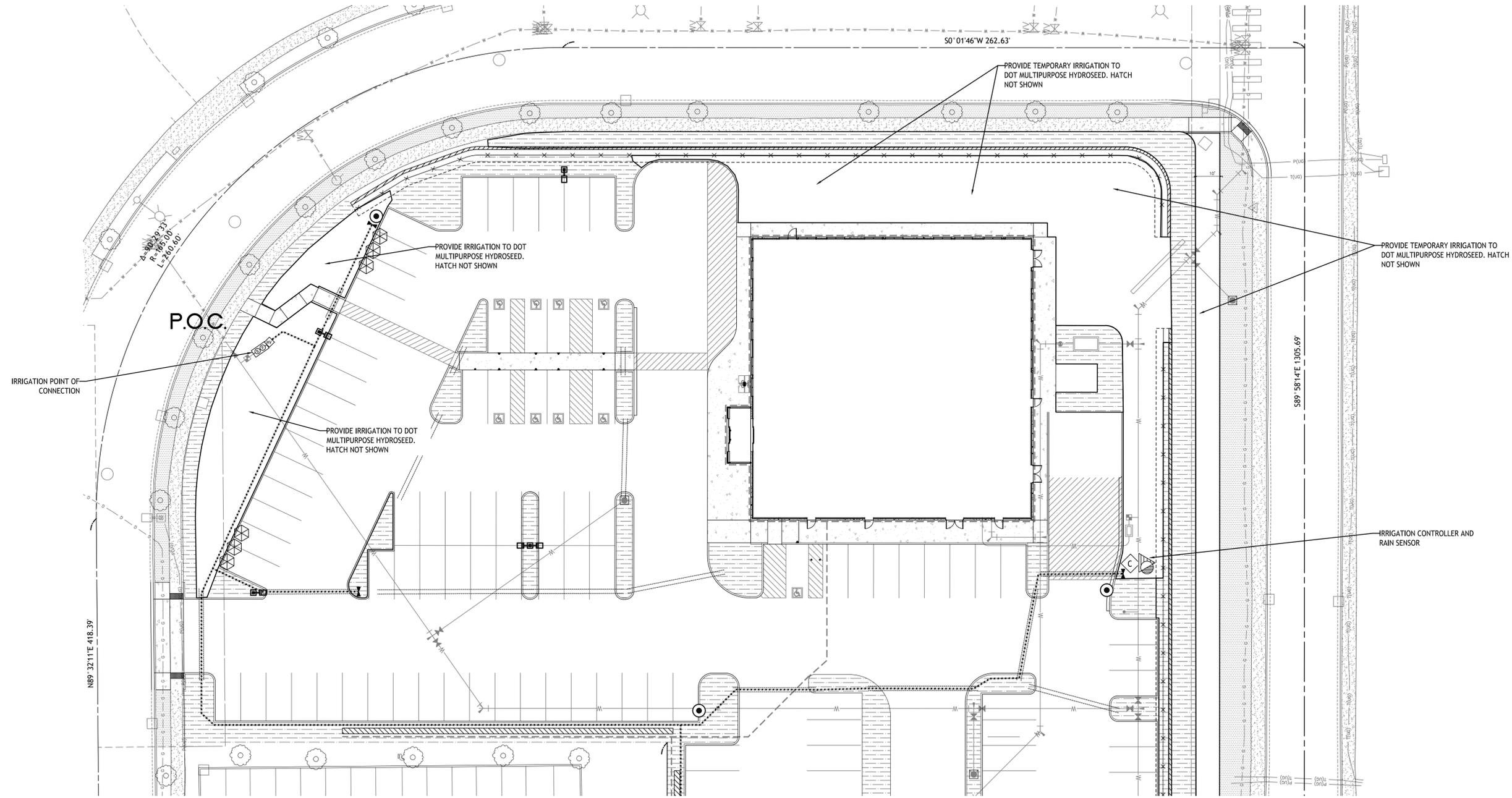
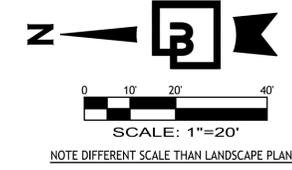
Designed JWV  
Drawn JWV  
Checked JWV  
Approved JWV  
Date 10/9/2025

**Barghausen Consulting Engineers, LLC.**  
18215 72nd Avenue South  
Kent, WA 98032  
425.251.6222 [barghausen.com](http://barghausen.com)

**Job Number** 24413  
**Sheet** L7 of 13



**IRRIGATION PLAN**  
FOR  
**MEDICAL CENTER**  
SEC. 12, TWP. 31 N., RGE 5 E., W. M.  
CITY OF ARLINGTON, SNOHOMISH COUNTY, WASHINGTON



**UTILITY CONFLICT NOTE:**  
THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLES THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE AT 811 48 HOURS IN ADVANCE AND THEN POTHOLES 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 NOTIFY BARGHAUSEN CONSULTING ENGINEERS, LLC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.



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CITY OF ARLINGTON  
CONSTRUCTION DRAWING REVIEW APPROVAL

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

BY: \_\_\_\_\_  
Development Services Manager

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

No.	Date	By	Clk.	Appr.	Revision
1	10/9/25	JMW	JMW	JMW	PER SITE PLAN

**Title:**  
IRRIGATION PLAN  
NWC 212TH ST NE AND  
MEDICAL CENTER, DR.  
ARLINGTON, WA

**For:**  
VISCONSI COMPANIES, LTD.



Designed	JMW
Drawn	JMW
Checked	JMW
Approved	JMW
Date	10/9/2025

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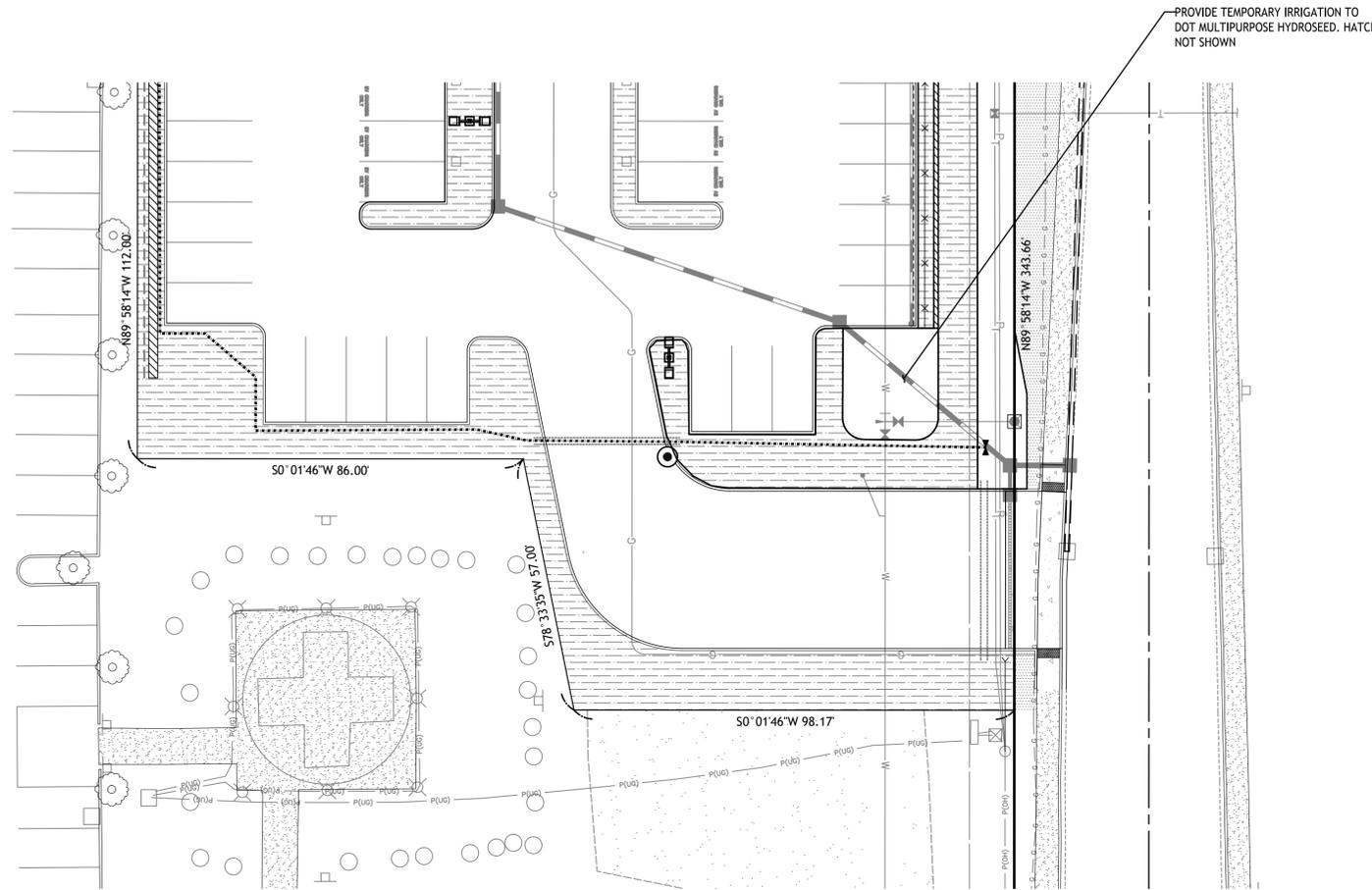
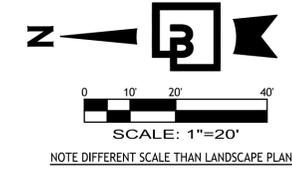


Job Number  
**24413**

Sheet  
**L9** of **13**

# IRRIGATION PLAN FOR MEDICAL CENTER

SEC. 12, TWP. 31 N., RGE 5 E., W. M.  
CITY OF ARLINGTON, SNOHOMISH COUNTY, WASHINGTON



### IRRIGATION SCHEDULE

DESCRIPTION

**DRIP IRRIGATION:**

HUNTER LANDSCAPE DRIPLINE COMPONENTS  
 HDL-06-12-250-CV SUB-SURFACE DRIPLINE TUBING 0.6 GPH PRESSURE COMPENSATING EMITTERS WITH CHECK VALVE AT 12" ON-CENTER SPACING - ALL TUBING SHALL BE INSTALLED ON GRADE W/ 9" WIRE STAKES FOUR (4) FEET ON-CENTER; VERIFY THE LAYOUT AND 18" ON-CENTER SPACING IN THE FIELD PRIOR TO STARTING WORK. INSTALL ALL COMPONENTS PER MANUF. SPECIFICATIONS.  
 USE HUNTER PLD-LOC FITTINGS FOR CONNECTION BETWEEN PVC LATERAL LINES AND INLINE DRIP TUBING

**SPRINKLER HEADS:**  
 HUNTER MP ROTATOR WITH PRO-SPRAY POP-UP BODY AND CV DRAIN CHECK VALVE, 4" LAWN, 6" SHRUB

SYMBOL	NOZZLE	PSI	GPM	RADIUS
	HUNTER-6Q and 6H, Q SERIES	30	0.98, 0.51	6'
	HUNTER-1000 8-15 F, TH, TT, H, Q SERIES	35	0.65, 0.48, 0.37, 0.32, 0.16	8'
	HUNTER-1000 8-15 F, TH, TT, H, Q SERIES	35	0.65, 0.48, 0.37, 0.32, 0.16	10'
	HUNTER-1000 8-15 F, TH, TT, H, Q SERIES	35	0.65, 0.48, 0.37, 0.32, 0.16	12'
	HUNTER-2000 13-21 F, TQ, TT, H, Q SERIES	30	1.29, 0.95, 0.74, 0.63, 0.33	15'
	HUNTER ES515, SS530 SERIES	35	1.41, 0.65	5x30' 5x15'
	HUNTER-3000 22-30 F, TQ, TT, H, Q SERIES	35	2.88, 2.19, 1.68, 1.44, 0.69 0.43	22'

- ADD'L EQUIPMENT:**
- HUNTER ICV SERIES ELECTRIC REMOTE CONTROL VALVE WITH (1) STATION ICD-100 DECODER AND ACCU-SYNC ADJUSTABLE PRESSURE REGULATING DIAL. VALVE SIZE PER MANUFACTURER'S RECOMMENDATIONS TO MINIMIZE PRESSURE LOSS. MAXIMUM 2 VALVES PER VALVE BOX
  - WSS-SEN WIRELESS SOLAR SYNC SENSOR WITH WIRELESS RECEIVER. INSTALL PER MANUFACTURER'S SPECIFICATIONS. NOTE: WHENEVER POSSIBLE HARDWIRE PREFERRED. EXTERIOR MOUNT WITHIN MANUFACTURER'S SPECIFICATIONS FOR DISTANCE
  - HUNTER ACCZ DECODER IRRIGATION CONTROLLER WITH A2C-75D-SS (POWDER COAT STEEL CABINET, VERIFY COLOR WITH OWNER). WITH ID2BLU TWO-WIRE AND ROOM-XL REMOTE. INSTALL (1) ICD-100 SINGLE STATION DECODER PER VALVE. COORDINATE SOURCE OF ELECTRICITY TO CONTROLLER WITH GENERAL CONTRACTOR.
  - HUNTER ICV-200 2" MASTER VALVE (NORMALLY CLOSED) AND FCT-200 2" FLOW-SYNC FLOW SENSOR. ICV SERIES VALVE. SEE DETAIL THIS SET. WIRE FLOW SENSOR BACK TO CONTROLLER WITH PE-39 DATA CABLE.

**P.O.C.** WILKINS 950 XLT-1 1-1/4" DOUBLE CHECK VALVE (STATE APPROVED); SEE CIVIL SET FOR CITY'S STANDARD DETAIL. TEST AND CERTIFICATION BY LICENSED BACKFLOW TESTER. WILKINS 850 - BALL VALVE, SIZE TO MATCH PIPE CARSON INDUSTRIES #1730 (TWO AT P.O.C.) GRADE LEVEL VAULT WITH BOLT LOCK LID

PLASTIC BALL VALVE, MATCH LINE SIZE, IN VALVE BOX

HUNTER HQ-33DLRC 3/4" QUICK COUPLING VALVE, IN VALVE BOX, PROVIDE TWO KEYS AND SWIVELS

MAINLINE - SCH 40 PVC (18" COVER); SIZE PER PLAN, 2-1/2" SIZE MINIMUM

LATERAL - SCH 40 PVC (12" COVER); SIZE PER PLAN, 3/4" SIZE MINIMUM

SLEEVE - SCH 40 PVC; 24" MINIMUM COVER AT VEHICLE CROSSINGS AND 18" MINIMUM COVER IN LANDSCAPE AREAS. 8" DIAMETER WHERE 3" SCH 40 PVC MAINLINE RUNS THROUGH PIPE; 6" DIAMETER WHERE MULTIPLE LATERALS RUN THROUGH PIPE; 4" DIAMETER WHERE ONLY A SINGLE LATERAL RUNS THROUGH PIPE.

IRRIGATION SHOWN DIAGRAMATICALLY FOR PLAN CLARITY. COMMON TRENCH AND PLACE EQUIPMENT IN LANDSCAPE; MANIFOLD GROUPED VALVES IN ADJACENT SHRUB AREAS WHERE FEASIBLE.

### SCH 40 PIPE SIZING CHART

PIPE SIZE	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"
FLOW GPM	1-8	8.1-13	13.1-23	23.1-32	32.1-53	53.1-74
						GPM (MAX.)

### UTILITY CONFLICT NOTE:

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**For:**  
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Designed	Drawn	Checked	Approved	Date
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Sheet  
**L10** of **13**

# IRRIGATION NOTES AND DETAILS

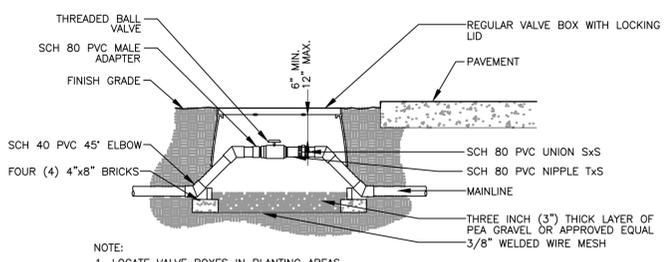
## FOR MEDICAL CENTER

SEC. 12, TWP. 31 N., RGE 5 E., W. M.  
CITY OF ARLINGTON, SNOHOMISH COUNTY, WASHINGTON

### LANDSCAPE IRRIGATION NOTES

- GENERAL CONTRACTOR AND LANDSCAPE CONTRACTOR TO COORDINATE:
  - INSTALLATION OF 110V ELECTRICAL SERVICE FROM ELECTRICAL SOURCE TO AUTOMATIC CONTROLLER, INCLUDING WIRE HOOK-UP INTO MOUNTED CONTROLLER. IRRIGATION CONTRACTOR WILL MOUNT CONTROLLER PER DESIGN AND COORDINATE WITH GENERAL CONTRACTOR.
  - INSTALLATION OF IRRIGATION/SERVICE METER AND STUB TO IRRIGATION POINT OF CONNECTION, PER UTILITY PLANS. PROVIDE STANDARD THREADED STUB-OUT WITH THREADED CAP ON DISCHARGE SIDE OF METER. STUB-OUT TO BE INSTALLED APPROXIMATELY 18 INCHES BELOW FINISH GRADE.
  - VERIFICATION OF STATIC WATER PRESSURE AT POINT-OF-CONNECTION (P.O.C.) CONTRACTOR SHALL NOTIFY OWNER AND BARGHAUSEN CONSULTING ENGINEERS, INC., OF ANY VARIATION IN STATIC PRESSURE OVER 5 PSI GREATER/LESS THAN DESIGN PRESSURE.
  - INSTALLATION OF SLEEVING.
- PROVIDE ALL LABOR, MATERIALS, TRANSPORTATION, AND SERVICES NECESSARY TO FURNISH AND INSTALL A COMPLETE IRRIGATION SYSTEM AS INDICATED ON THE DRAWINGS AND/OR NOTES. PROVIDE A ONE (1) YEAR WARRANTY/GUARANTEE FROM FINAL ACCEPTANCE AGAINST ALL DEFECTS IN MATERIALS, EQUIPMENT, AND WORKMANSHIP.
- COORDINATE IRRIGATION INSTALLATION WITH GENERAL CONTRACTOR, ELECTRICAL CONTRACTOR, LANDSCAPE CONTRACTOR, OWNER, ARCHITECT, AND LANDSCAPE ARCHITECT.
- LANDSCAPE CONTRACTOR TO TEST AVAILABLE WATER PRESSURE PRIOR TO BEGINNING ANY WORK. PROVIDE WRITTEN TEST RESULTS TO LANDSCAPE ARCHITECT.
- ALL WORK PER LOCAL CODE. INSTALLATION PER MANUFACTURER'S WRITTEN SPECIFICATIONS.
- CONTRACTOR TO OBTAIN AND PAY FOR ALL PERMITS, FEES, AND REQUIRED CITY INSPECTIONS.
- SUBMITTALS:
  - SUBMIT EACH ITEM LISTED BELOW FOR LANDSCAPE ARCHITECT'S REVIEW AND APPROVAL.
  - PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED,
  - CONTROL WIRING PATH DIAGRAM,
  - "AS-BUILT" DRAWINGS.
  - OPERATION AND MAINTENANCE MANUALS.
- PROVIDE AND KEEP UP TO DATE A COMPLETE "AS-BUILT" RECORD SET OF PRINTS WHICH ARE TO BE CORRECTED DAILY AND SHOW EVERY CHANGE FROM THE ORIGINAL DRAWINGS AND NOTES AND EXACT "AS-BUILT" LOCATIONS, SIZES AND KIND OF EQUIPMENT. THIS SET OF DRAWINGS ARE TO BE KEPT ON SITE AND ARE TO BE USED ONLY AS THE RECORD SET. ALL WORK IS TO BE NEAT AND LEGIBLE ANNOTATIONS THEREON DAILY AS THE WORK PROCEEDS, SHOWING WORK AS ACTUALLY INSTALLED.
  - CONNECTION TO WATER LINES (P.O.C.),
  - CONNECTIONS TO ELECTRICAL POWER,
  - GATE VALVE, QUICK COUPLERS, AND REMOTE CONTROL VALVE,
  - ROUTING OF MAINLINE (DIMENSION MAXIMUM 100' ALONG ROUTING),
  - ROUTING OF CONTROL WIRING,
  - OTHER RELATED EQUIPMENT AS DIRECTED BY THE LANDSCAPE ARCHITECT.
- PREPARE AND PROVIDE PRIOR TO COMPLETION OF CONSTRUCTION, A THREE RING BINDER CONTAINING THE FOLLOWING INFORMATION:
  - INDEX SHEET STATING CONTRACTOR'S ADDRESS, TELEPHONE NUMBER, FAX, E-MAIL AND A LIST OF EQUIPMENT WITH NAME AND ADDRESS OF LOCAL MANUFACTURER'S REPRESENTATIVES,
  - CATALOG AND PARTS SHEETS ON EVERY MATERIAL AND EQUIPMENT INSTALLED UNDER THIS CONTRACT,
  - GUARANTEE STATEMENT,
  - COMPLETE OPERATING AND MAINTENANCE INSTRUCTIONS ON ALL MAJOR EQUIPMENT.
  - CONSTRUCTION DETAILS FROM THE PROJECT,
  - COMPLETE TROUBLE-SHOOTING GUIDE TO COMMON IRRIGATION PROBLEMS,
  - WINTERIZATION AND SPRING START-UP PROCEDURES,
  - CHART OF APPROXIMATE WATERING TIMES FOR SPRING, SUMMER, AND FALL,
  - A COPY OF THE "AS-BUILT" DRAWINGS AND CONTROLLER CHART.
- ALL VALVES TO BE PLACED IN "CARSON" GRADE LEVEL BOXES WITH BOLT-LOCK LIDS (OR APPROVED EQUIVALENT). SET BOXES 2 INCHES HIGHER THAN FINISH GRADE IN MULCH AREAS AND FLUSH WITH FINISH GRADE IN LAWN AREAS. JUMBO BOX FOR CHECK VALVE, 10" ROUND BOX FOR GATE/QUICK COUPLER/WIRE SPLICES, AND 12" STANDARD FOR CONTROL VALVES. PROVIDE BOX EXTENSIONS AS REQUIRED.
- MAINLINE PIPE TO BE BURIED 18 INCHES, LATERALS 12 INCHES, AND SLEEVES 24" INCHES BELOW FINISH GRADE. NO ROCK OR DEBRIS TO BE BACKFILLED OVER PIPE.
- HEAD AND LINE POSITIONING IS DIAGRAMMATIC ON PLAN. ADJUST IN FIELD AS NECESSARY FOR 100 PERCENT COVERAGE. VALVES TO BE POSITIONED ADJACENT TO PAVEMENT/CURBS, IN SHRUB BEDS WHERE POSSIBLE.
- FAMILIARIZE OWNERS FACILITY OPERATOR WITH IRRIGATION SYSTEM FUNCTION, CONTROLLER PROGRAMMING, SYSTEM OPERATION AND MAINTENANCE REQUIREMENTS.
- SPRINKLERS ON RISERS WILL NOT BE ALLOWED UNLESS NOTED ON PLANS.
- RADIUS REDUCTION TO BE MADE BY USE OF PRESSURE ADJUSTMENT, SCREENS, AND/OR ALTERNATE NOZZLES. IN-NOZZLE ADJUSTMENT IS LIMITED TO 10 PERCENT FOR SPRAY HEADS AND PER MANUFACTURER'S LIMITS FOR OTHER SPRINKLERS. SPRINKLER SPACING NOT EXCEED 60% OF THE DIAMETER OF THE PUBLISHED DATA.
- ALL CONTROL WIRE SPLICES TO BE MADE AT VALVE BOXES WITH WATER TIGHT ELECTRICAL SPLICES, 3M, SCOTT'S LOCK SEAL TACK 3576-78, OR EQUIVALENT.
- EACH VALVE BOX TO CONTAIN A MINIMUM OF 1 DECODER, CONNECTED TO JACKETED HUNTER IDWIRE (14 GAUGE), RECOMMENDED FOR WIRE PATH LENGTH UP TO 10,000 FT OR HUNTER IDWIRE (12 GAUGE) FOR WIRE PATH LENGTH BEYOND 10,000 FT UP TO 15,000 FEET. THESE MAXIMUM WIRE PATH LENGTHS ARE FOR ACTIVATING UP TO 225 HUNTER DECODERS, 6 P/MV AND UP TO 6 SENSOR DECODERS. AVOID RUNNING POWER CABLES AND DECODER PATH IN PARALLEL. ALL WIRE PATHS AND ITS BRANCHES SHOULD BE ENDED WITH PROPER GROUNDING. NEW CONSTRUCTION CAN RELY ON EXISTING WIRE PATH BY TIEING ON AND EXTENDING OUT TO SERVICE NEW CONSTRUCTION, UP TO A MAXIMUM 225 VALVES.

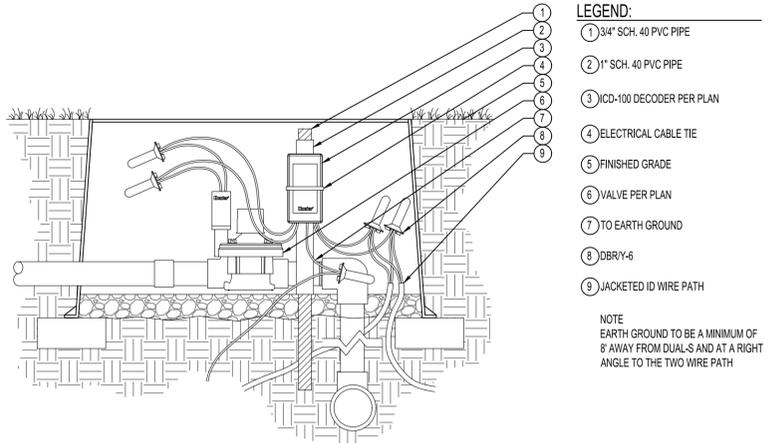
- ALL ELECTRICAL EQUIPMENT TO BE U.L. TESTED AND APPROVED, AND BEAR THE U.L. LABEL.
- CROSS CONNECTION PROTECTION INSPECTION REQUIRED. THE BACKFLOW DEVICE TO BE TESTED UPON THE ORIGINAL INSTALLATION. THE TESTING TO BE PERFORMED BY A PERSON HOLDING A CURRENT CERTIFICATE AS A BACKFLOW TESTER. THE TEST REPORT TO BE SUBMITTED TO THE LOCAL WATER DISTRICT, OR PURVEYOR, AND OWNER WITH A COPY TO BARGHAUSEN CONSULTING ENGINEERS, INC. CONTRACTOR TO INCLUDE TESTING IN THE SCOPE OF WORK. OWNER IS RESPONSIBLE FOR ANNUAL INSPECTIONS AFTER THE INITIAL INSPECTION.
- CONTRACTOR TO PROVIDE SYSTEM WINTERIZATION/SPRING SERVICE WHEN INSTALLATION HAS BEEN COMPLETED WITHIN 90 DAYS OF NOVEMBER 1 FOR WINTERIZATION, OR MAY 15 FOR SPRING SERVICE. SERVICE TO BE PERFORMED AS NEAR AS PRACTICAL TO THE ABOVE DATES, OR AS FREEZE/PRECIPITATION CONDITIONS DETERMINE SERVICE NEED.
- IRRIGATION SCHEDULING:  
THE IRRIGATION CONTROLLER CONTAINS A WATER BUDGET FEATURE. PERIODIC (WEEKLY) ADJUSTMENT OF THE WATER SCHEDULE IS INTENDED TO BE MADE VIA BUDGET ADJUSTMENT. RE-ADJUST WATERING DAYS AT 100 PERCENT BUDGET WHEN ADJUSTMENT EXCEEDS 30%. SET CONTROLLER FOR HIGHEST ETO WATER SCHEDULE, BASED ON PUBLISHED LOCAL EVAPOTRANSPIRATION DATA. SYSTEM HAS BEEN DESIGNED FOR 50 TO 80 PERCENT DISTRIBUTION UNIFORMITY. LAWN ZONES SHOULD BE SCHEDULED FOR 100 PERCENT REPLACEMENT FACTOR ON A TYPICAL MINIMUM 3-DAY CYCLE. SHRUB ZONES SHOULD BE PROGRAMMED AT 40 TO 70 PERCENT OF THE MONTHLY LAWN WATER REQUIREMENT ON A ONCE PER WEEK CYCLE. ALL WATERING IN EXCESS OF THE LOCAL ETO ("FIELD RECHARGE") TO BE COMPLETED DURING THE CONSTRUCTION PHASE WHILE THE CONTRACTOR IS ON THE JOB SITE. OVER WATERING OF LANDSCAPE DUE TO CONTROLLER SCHEDULING TO BE GROUNDS FOR CONTRACTOR TO REPAIR ANY RESULTANT DAMAGES AT CONTRACTOR'S OWN EXPENSE.



- NOTE:
- LOCATE VALVE BOXES IN PLANTING AREAS.
  - WRAP VALVE BOX WITH A MINIMUM OF 3 MIL THICK PLASTIC AND SECURE IT USING DUCT TAPE OR ELECTRICAL TAPE.
  - ALL THREADED CONNECTIONS TO BE MADE USING TEFLON TAPE.
  - ALL CHANGES IN ELEVATION SHALL BE MADE USING SCH 40 PVC 45° ELBOWS.

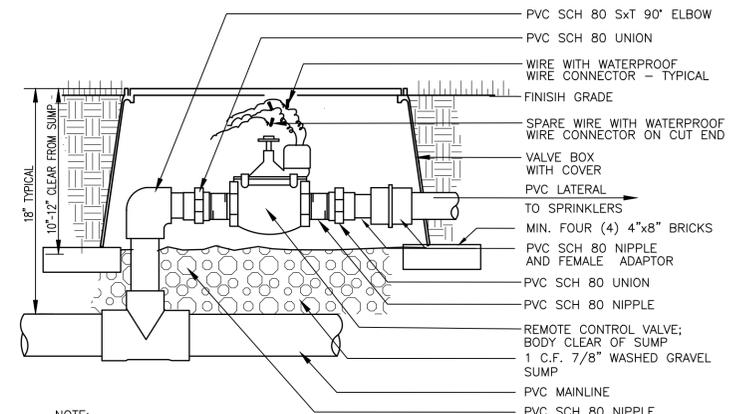
### BALL VALVE DETAIL

NOT TO SCALE



### ICD-100 DECODER ON STAKE

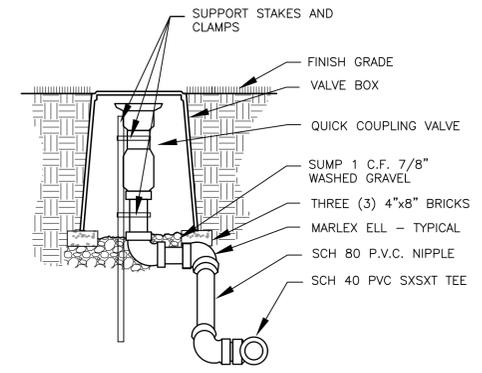
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- NOTE:
- ONE VALVE PER BOX.
  - PROVIDE EXTRA COILS (18") OF EACH WIRE IN VALVE BOX. COMPACT SOIL AROUND VALVE BOX.
  - USE TEFLON OR FLOWABLE SEALANT IN ALL THREADED FITTINGS, PER MANUFACTURER'S SPEC'S.

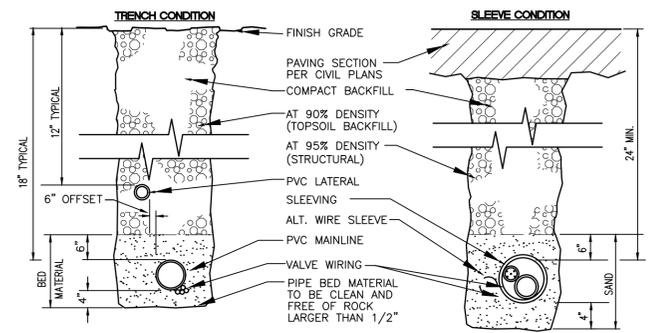
### REMOTE CONTROL VALVE ASSEMBLY

NOT TO SCALE



### QUICK COUPLING VALVE DETAIL

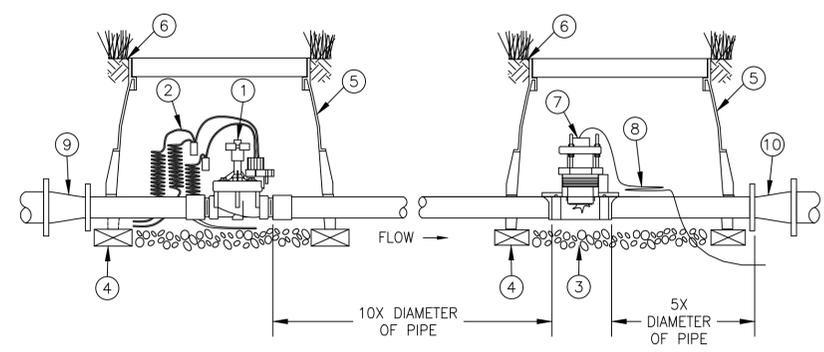
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- NOTE:
- SLEEVING MATERIAL SHALL BE PVC SCH. 40.
  - DIMENSIONS ARE MIN. CLEARANCES.
  - ALL IRRIGATION SLEEVING TRENCH BACKFILL MATERIAL SHALL BE CLASS "B" OR BETTER (MAX. OF 10% PASSING NO.40 SCREEN) AND BE COMPACTED TO MIN. 95% OPTIMUM DENSITY PER ASTM D-1557-70 (MODIFIED PROCTOR)

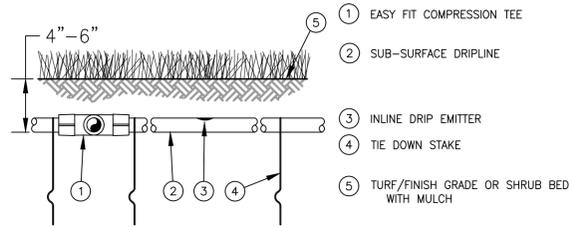
### SLEEVE/TRENCHING DETAIL

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# IRRIGATION DETAILS

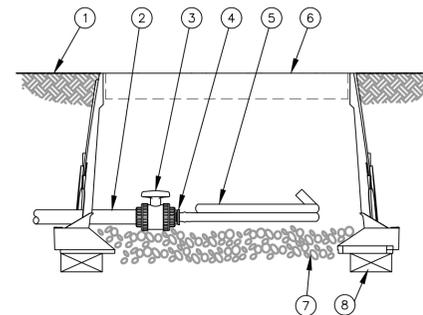
FOR  
**MEDICAL CENTER**  
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CITY OF ARLINGTON, SNOHOMISH COUNTY, WASHINGTON



- NOTES:
1. PLACE TIE-DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY.
  2. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.
  3. INSERTION PLOW AND TRENCHED INSTALLATIONS DO NOT REQUIRE TIE-DOWN STAKES.

### DRIPLINE BURIAL

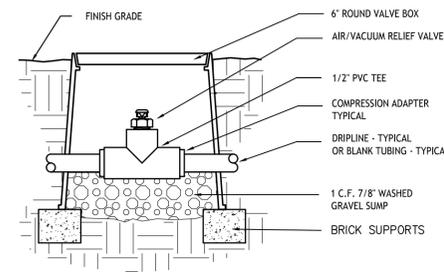
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- 1 FINISH GRADE
- 2 PVC DRIP MANIFOLD PIPE
- 3 PVC 1" X 3/4" TRUE UNION BALL VALVE
- 4 EASY FIT MALE X BARB ADAPTER
- 5 SUB-SURFACE DRIPLINE:
- 6 12-INCH VALVE BOX WITH COVER
- 7 3-INCH MINIMUM DEPTH OF 3/4" WASHED GRAVEL
- 8 BRICK (1 OF 2)

### FLUSH POINT WITH BALL VALVE

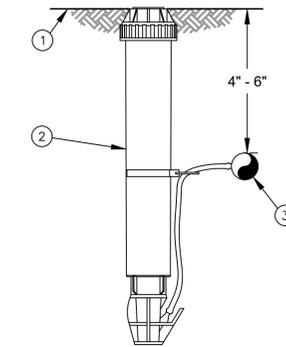
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NOTE:  
AIR/VACUUM RELIEF VALVE CANNOT BE CONNECTED LOWER THAN DRIPLINE LATERALS.  
FOR USE ON ZONES OF 7 GPM OR LESS ONLY (PLUMBED TO TUBING).

### 1/2" AIR/VACUUM RELIEF VALVE DETAIL

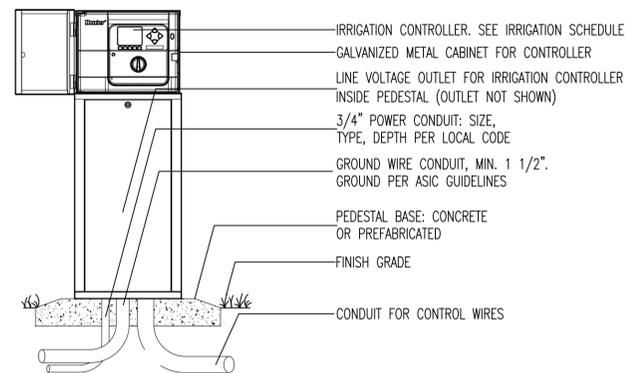
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- NOTE:
1. INSERT BARB TRANSFER FITTING DIRECTLY INTO DRIPLINE TUBING.
  2. VAN NOZZLE MAY BE SET TO CLOSED, OR IF IT IS DESIRED TO SEE SPRAY FROM THE NOZZLE, SET THE ARC TO 1/4 PATTERN. THE FLOW FROM THE NOZZLE, 0.3 GPM, SHOULD BE ACCOUNTED FOR IN THE SYSTEM DESIGN.

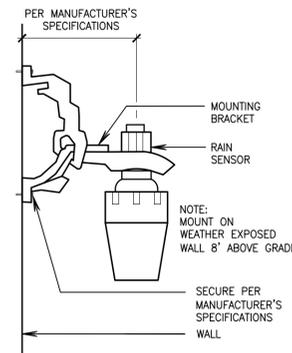
### DRIPIRIGATION DRIPLINE INDICATOR

NOT TO SCALE



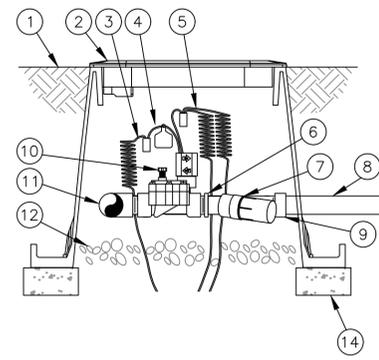
### IRRIGATION CONTROLLER - PEDESTAL MOUNT

NOT TO SCALE



### RAIN SENSOR DETAIL

NOT TO SCALE

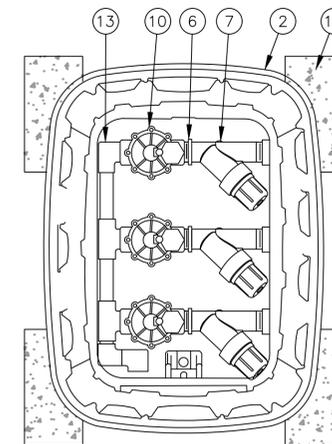


### SIDE VIEW

### DRIPIRIGATION VALVE

NOT TO SCALE

- 1 FINISH GRADE
- 2 STANDARD VALVE BOX WITH COVER:  
RAIN BIRD VB-STD
- 3 WATERPROOF CONNECTION:  
RAIN BIRD DB SERIES
- 4 VALVE ID TAG
- 5 30-INCH LINEAR LENGTH OF WIRE, COILED
- 6 1" X 3/4" REDUCING COUPLING  
(INCLUDED IN XCZ-LF-100-PRF KIT)
- 7 PRESSURE REGULATING FILTER:  
RAIN BIRD PRF-100-RBY (INCLUDED IN  
XCZ-LF-100-PRF KIT)
- 8 LATERAL PIPE
- 9 PVC SCH 40 FEMALE ADAPTOR OR REDUCER
- 10 REMOTE CONTROL VALVE:  
RAIN BIRD LFV-100 (INCLUDED IN  
XCZ-LF-100-PRF KIT)
- 11 PVC SCH 40 TEE OR ELL TO MANIFOLD
- 12 3-INCH MINIMUM DEPTH OF 3/4-INCH  
WASHED GRAVEL
- 13 MANIFOLD PIPE AND FITTINGS
- 14 MINIMUM FOUR (4) 4"x8" BRICKS



### TOP VIEW

### UTILITY CONFLICT NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLES THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE AT 811 48 HOURS IN ADVANCE AND THEN POTHOLES 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 NOTIFY BARGHAUSEN CONSULTING ENGINEERS, LLC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.



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### CITY OF ARLINGTON CONSTRUCTION DRAWING REVIEW APPROVAL

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

BY: \_\_\_\_\_  
Development Services Manager

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

No.	Date	By	Chk.	Appr.	Revision
1	10/9/25	TCR	JMW	JMW	PER SITE PLAN

**Title:**  
IRRIGATION DETAILS  
NWC 212TH ST NE AND  
MEDICAL CENTER, DR.  
ARLINGTON, WA

**For:**  
VISCONSI COMPANIES, LTD.



Scale:	Horizontal	Vertical
	NA	NA
Designed	JMW	
Drawn	JMW	
Checked	JMW	
Approved	JMW	
Date	10/9/2025	

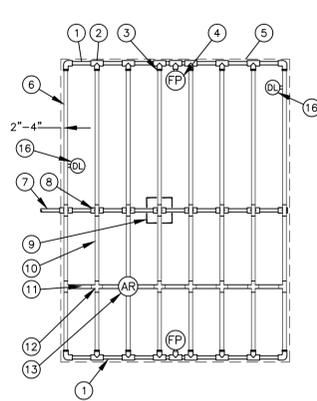
**Barghausen Consulting Engineers, LLC.**  
18215 72nd Avenue South  
Kent, WA 98032  
425.251.6222  
barghausen.com



Job Number	24413
Sheet	L12 of 13

# IRRIGATION DETAILS FOR MEDICAL CENTER

SEC. 12, TWP. 31 N., RGE 5 E., W. M.  
CITY OF ARLINGTON, SNOHOMISH COUNTY, WASHINGTON



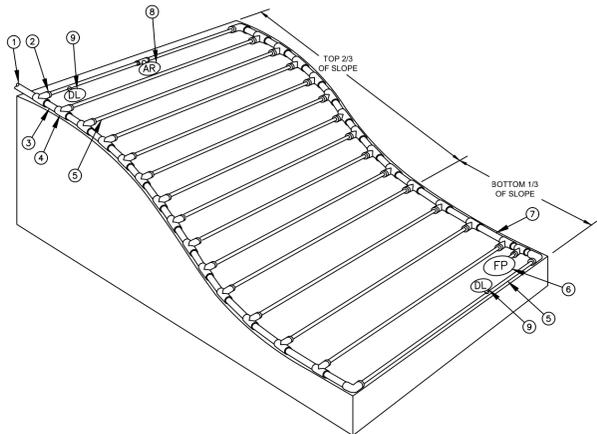
- 1 PVC EXHAUST HEADER
- 2 PVC SCH 40 TEE OR EL (TYPICAL)
- 3 BARB X MALE FITTING
- 4 FLUSH POINT (TYPICAL) SEE DETAIL
- 5 PERIMETER OF AREA
- 6 PERIMETER DRIPLINE PIPE TO BE INSTALLED 2"-4" FROM PERIMETER OF AREA
- 7 PVC SUPPLY PIPE FROM CONTROL ZONE KIT (SIZED TO MEET LATERAL FLOW DEMAND)
- 8 PVC SUPPLY MANIFOLD
- 9 CONNECTION FROM SUPPLY MANIFOLD TO DRIPLINE (TYPICAL)- SEE INSET A

- 10 SUB-SURFACE DRIPLINE
- 11 BLANK TUBING
- 12 BARB X BARB INSERT TEE OR CROSS
- 13 1/2" AIR RELIEF VALVE
- 14 BARB X FEMALE FITTING
- 15 3/4" PVC NIPPLE, LENGTH AS NECESSARY
- 16 DRIPLINE INDICATOR. SEE DETAIL FOR ADDITIONAL INFORMATION

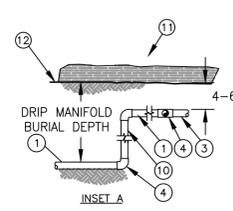
Inlet Pressure psi	12" Spacing		18" Spacing		24" Spacing	
	Nominal Flow (gph)					
0.6	0.9	0.6	0.9	0.6	0.9	0.9
15	273	155	314	250	424	322
20	318	169	353	294	508	368
30	360	230	413	350	586	414
40	395	255	465	402	652	474
50	417	285	528	420	720	488
60	460	290	596	455	780	514

NOTES:  
 1. DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION. SEE IRRIGATION SCHEDULE FOR SPACING.  
 2. LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM LENGTH SHOWN IN THE ACCOMPANYING TABLE.  
 3. AIR RELIEF VALVE TO BE INSTALLED AT HIGH POINT OF AREA.  
 4. WHEN USING 17MM INSERT FITTINGS WITH DESIGN PRESSURE OVER 50PSI, IT IS RECOMMENDED THAT STAINLESS STEEL CLAMPS BE INSTALLED ON EACH FITTING.

**DRIPLINE CENTER FEED LAYOUT**  
NOT TO SCALE



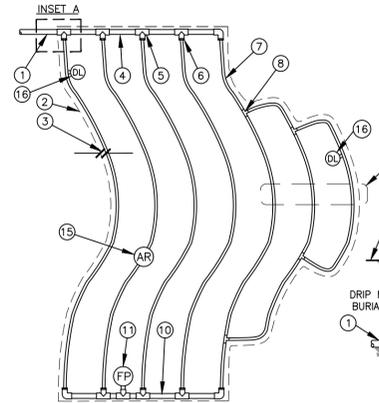
- NOTES:  
 1. DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION. DISTANCE BETWEEN LATERAL ROWS FOR BOTTOM 1/3 OF SLOPE TO BE SPACED GREATER THAN OPTIMAL ROW DISTANCE. SEE MANUFACTURER DRIPLINE INSTALLATION GUIDE FOR SUGGESTED SPACING.  
 2. LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM LENGTH SHOWN IN THE ACCOMPANYING TABLE.  
 3. WHEN ELEVATION CHANGE EXCEEDS 8 FEET IT IS RECOMMENDED THAT A NEW DRIPLINE ZONE BE CREATED.  
 4. INSTALL AIR RELIEF VALVE AT HIGH POINTS IN DRIP LATERAL.  
 5. WHEN USING 17MM INSERT FITTINGS WITH DESIGN PRESSURE OVER 50PSI, IT IS RECOMMENDED THAT STAINLESS STEEL CLAMPS BE INSTALLED ON EACH FITTING.



- 1 PVC DRIP MANIFOLD FROM CONTROL ZONE VALVE KIT (SIZED TO MEET LATERAL FLOW DEMAND)
- 2 BARB X MALE FITTING
- 3 PVC SUPPLY HEADER
- 4 PVC SCH 40 TEE OR EL (TYPICAL)
- 5 SUB-SURFACE DRIPLINE: SEE IRRIGATION SCHEDULE
- 6 FLUSH POINT: SEE DETAIL
- 7 PVC FLUSH HEADER
- 8 1/2" AIR RELIEF VALVE: RSEE DETAIL
- 9 DRIPLINE INDICATOR. SEE DETAIL FOR ADDITIONAL INFORMATION

- 10 PVC RISER PIPE
- 11 TURF OR MULCH
- 12 FINISH GRADE

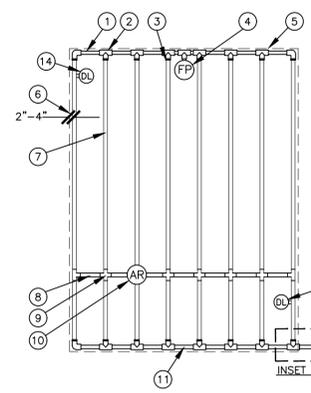
**DRIPLINE SLOPED LAYOUT**  
NOT TO SCALE



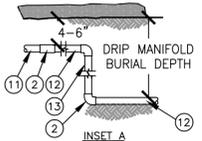
- NOTES:  
 1. DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION. SEE INSTALLATION SPECIFICATIONS FOR SPACING.  
 2. LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM SPACING SHOWN IN THE ACCOMPANYING TABLE.  
 3. INSTALL AIR RELIEF VALVE AT HIGH POINTS IN DRIP LATERAL.  
 4. WHEN USING 17MM INSERT FITTINGS WITH DESIGN PRESSURE OVER 50PSI, IT IS RECOMMENDED THAT STAINLESS STEEL CLAMPS BE INSTALLED ON EACH FITTING.

- 1 PVC SUPPLY PIPE FROM RAIN BIRD CONTROL ZONE KIT (SIZED TO MEET LATERAL FLOW DEMAND)
- 2 PERIMETER OF AREA
- 3 PERIMETER DRIPLINE PIPE TO BE INSTALLED 2"-4" FROM PERIMETER OF AREA
- 4 PVC SUPPLY MANIFOLD
- 5 PVC SCH 40 TEE OR EL (TYPICAL)
- 6 BARB X MALE FITTING
- 7 SUB-SURFACE DRIPLINE: SEE IRRIGATION SCHEDULE
- 8 BARB X BARB INSERT TEE
- 9 TOTAL LENGTH OF SELECTED DRIPLINE SHOULD NOT EXCEED LENGTH SHOWN IN TABLE
- 10 PVC FLUSH HEADER
- 11 FLUSH POINT: SEE DETAIL
- 12 PVC RISER PIPE
- 13 TURF OR MULCH
- 14 FINISH GRADE
- 15 1/2" AIR RELIEF VALVE: SEE DETAIL
- 16 DRIPLINE INDICATOR. SEE DETAIL FOR ADDITIONAL INFO

**DRIPLINE ODD CURVES LAYOUT**  
NOT TO SCALE



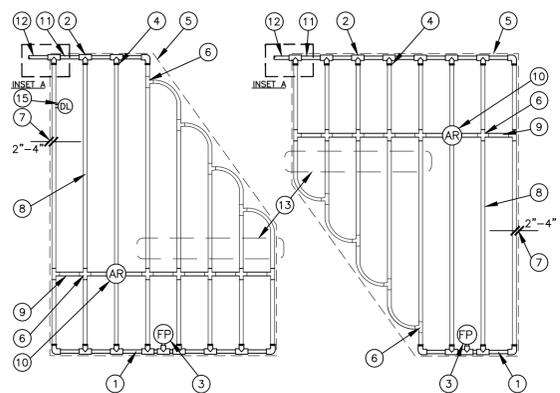
- NOTES:  
 1. DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION. SEE DRIPLINE INSTALLATION GUIDE FOR SUGGESTED SPACING.  
 2. LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM LENGTH SHOWN IN THE ACCOMPANYING TABLE.  
 3. AIR RELIEF VALVE TO BE INSTALLED AT HIGH POINT OF AREA.  
 4. WHEN USING 17MM INSERT FITTINGS WITH DESIGN PRESSURE OVER 50PSI, IT IS RECOMMENDED THAT STAINLESS STEEL CLAMPS BE INSTALLED ON EACH FITTING.



- 1 PVC EXHAUST HEADER
- 2 PVC SCH 40 TEE OR EL (TYPICAL)
- 3 BARB X MALE FITTING
- 4 FLUSH POINT (TYPICAL) SEE RAIN BIRD DETAIL 'FLUSH POINT WITH BALL VALVE'
- 5 PERIMETER OF AREA
- 6 PERIMETER DRIPLINE PIPE TO BE INSTALLED 2"-4" FROM PERIMETER OF AREA
- 7 SUB-SURFACE DRIPLINE
- 8 BLANK TUBING
- 9 BARB X BARB INSERT TEE OR CROSS
- 10 1/2" AIR RELIEF VALVE
- 11 PVC SUPPLY HEADER
- 12 PVC DRIP MANIFOLD FROM CONTROL ZONE VALVE KIT (SIZED TO MEET LATERAL FLOW DEMAND)
- 13 PVC SCH 40 RISER PIPE
- 14 DRIPLINE INDICATOR. SEE DETAIL FOR ADD'L INFO

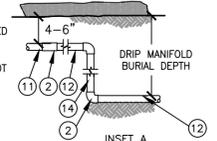
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	Nominal Flow (gph)					
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15	273	155	314	250	424	322
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40	395	255	465	402	652	474
50	417	285	528	420	720	488
60	460	290	596	455	780	514

**DRIPLINE END FEED LAYOUT**  
NOT TO SCALE

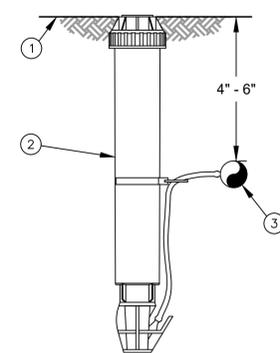


- 1 PVC EXHAUST HEADER
- 2 PVC SCH 40 TEE OR EL (TYPICAL)
- 3 FLUSH POINT (TYPICAL) SEE DETAIL
- 4 BARB X MALE FITTING
- 5 PERIMETER OF AREA
- 6 BARB X BARB INSERT TEE OR CROSS
- 7 PERIMETER DRIPLINE PIPE TO BE INSTALLED 2"-4" FROM PERIMETER OF AREA
- 8 SUB-SURFACE DRIPLINE: SEE IRRIGATION SCHEDULE
- 9 BLANK TUBING
- 10 1/2" AIR RELIEF VALVE: SEE DETAIL
- 11 PVC SUPPLY MANIFOLD
- 12 PVC SUPPLY PIPE FROM CONTROL ZONE KIT (SIZED TO MEET LATERAL FLOW DEMAND)
- 13 TOTAL LENGTH OF SELECTED DRIPLINE SHOULD NOT EXCEED LENGTH SHOWN IN TABLE
- 14 PVC SCH 40 RISER PIPE
- 15 DRIPLINE INDICATOR. SEE DETAIL FOR ADD'L INFO

- NOTES:  
 1. DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION. SEE MANUFACTURER DRIPLINE INSTALLATION GUIDE FOR SUGGESTED SPACING.  
 2. LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM LENGTH SHOWN IN THE ACCOMPANYING TABLE.  
 3. AIR RELIEF VALVE TO BE INSTALLED AT HIGH POINT OF AREA.  
 4. WHEN USING 17MM INSERT FITTINGS WITH DESIGN PRESSURE OVER 50PSI, IT IS RECOMMENDED THAT STAINLESS STEEL CLAMPS BE INSTALLED ON EACH FITTING.



**DRIPLINE IRREGULAR SHAPED LAYOUT**  
NOT TO SCALE



- 1 FINISH GRADE/TURF
- 2 OPERATION INDICATOR
- 3 SUB-SURFACE DRIPLINE: SEE IRRIGATION SCHEDULE

NOTES:  
 1. INSERT BARB TRANSFER FITTING DIRECTLY INTO DRIPLINE TUBING.  
 2. VAN NOZZLE MAY BE SET TO CLOSED, OR IF IT IS DESIRED TO SEE SPRAY FROM THE NOZZLE, SET THE ARC TO 1/4 PATTERN. THE FLOW FROM THE NOZZLE, 0.3 GPM, SHOULD BE ACCOUNTED FOR IN THE SYSTEM DESIGN.

**DRIP IRRIGATION DRIPLINE INDICATOR**  
NOT TO SCALE

**UTILITY CONFLICT NOTE:**

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CITY OF ARLINGTON  
CONSTRUCTION DRAWING REVIEW APPROVAL

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

By: \_\_\_\_\_  
Development Services Manager  
DATE: \_\_\_\_\_ THIS APPROVAL VALID FOR 18 MONTHS

Revision	Date	By	Appr.
1	10/9/25	JMW	JMW

**Title:**  
IRRIGATION DETAILS  
NWC 212TH ST NE AND  
MEDICAL CENTER. DR.  
ARLINGTON, WA

**For:**  
VISCONSI COMPANIES, LTD.



Scale:  
Horizontal: NA  
Vertical: NA

Designed	Drawn	Checked	Approved	Date
JMW	JMW	JMW	JMW	10/9/2025

**Barghausen Consulting Engineers, LLC.**  
18215 72nd Avenue South  
Kent, WA 98032  
425.251.6222  
barghausen.com



Job Number: 24413  
Sheet: L13 of 13

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