

# ATONEMENT CHURCH CONSTRUCTION PLANS CITY OF ARLINGTON, WASHINGTON

## LEGEND AND ABBREVIATIONS

EXISTING SYMBOLS	DESCRIPTION	ABBREVIATIONS
	MONUMENT IN CASE	CPP CORRUGATED PLASTIC PIPE
	SET REBAR W/ CAP	IE INVERT ELEVATION
	EXISTING CORNER MONUMENT AS NOTED	INV INVERT ELEVATION
	QUARTER SECTION TIE	OHP OVERHEAD POWER LINE
	SECTION TIE	TPM TELEPHONE PAINT MARK
	AIR VALVE	B BIRCH
	BLOW-OFF VALVE	C CEDAR
	CATCH BASIN	F FIR
	STORM MANHOLE	M MAPLE
	CAT RISER	S SPRUCE
	CULVERT	W WILLOW
	FIRE HYDRANT	
	GAS METER	
	GAS VALVE	
	GUY ANCHOR	
	GUY POLE	
	JUNCTION BOX	
	LIGHT POLE	
	LIGHT STANDARD	
	POWER TRANSFORMER	
	UTILITY MARKER	
	METAL COVER	
	SEWER CLEANOUT	
	SEWER MANHOLE	
	SPRINKLER HEAD	
	STORM CLEANOUT	
	TELCO MANHOLE	
	TELCO RISER	
	TRAFFIC SWITCH BOX	
	UTILITY BOX	
	UTILITY POLE	
	WATER MANHOLE	
	WATER METER	
	WATER VALVE	
	WELL	
	MONITORING WELL	
	WATER CAP	
	BEEHIVE	
	IRRIGATION CONTROL VALVE	
	POWER VAULT	
	WETLAND FLAG	
	CONIFEROUS TREE	
	DECIDUOUS TREE	

PROPOSED STORM SYMBOLS		PROPOSED WATER SYMBOLS	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SD CAP		WATER CAP
	TYPE 1 CATCH BASIN, GRATED LID		CONCRETE BLOCKING
	TYPE 1 CATCH BASIN, SOLID LID		11.25° BEND
	TYPE 2 CATCH BASIN, GRATED LID		22.5° BEND
	TYPE 2 CATCH BASIN, SOLID LID		45° BEND
	BEEHIVE MANHOLE COVER		90° BEND
	SQUARE YARD DRAIN		VALVE
	ROUND YARD DRAIN		HYDRANT ASSEMBLY
	STORM CLEAN OUT		BLOW-OFF VALVE
	STORM PIPE		REDUCER
	SEWER CAP		AIR-VAC ASSEMBLY
	SEWER CLEANOUT		WATER METER
	SEWER MANHOLE		WATER PIPE
	SEWER PIPE		PROPOSED SURVEY SYMBOLS
			SURVEY MONUMENT IN PROPOSED ROAD

## SUMMARY OF QUANTITIES

ITEM	QUANTITY	UNIT
NEW IMPERVIOUS AREA	1,675	SQ FT
DUCTILE IRON WATER MAIN (8")	165	LF
FIRE HYDRANT ASSEMBLIES	1	EA
GATE VALVES (8")	2	EA
WATER MAIN BLOW-OFFS	1	EA
WATER MAIN AIR/VACUUM VALVES	1	EA
STORM DRAIN PIPE (12")	32	LF
CATCH BASINS (TYPE 1)	1	EA

## SURVEY INFORMATION

### EQUIPMENT & PROCEDURES

METHOD OF SURVEY:  
SURVEY PERFORMED BY FIELD TRAVERSE AND REAL TIME KINEMATIC GPS POSITIONING UTILIZING THE HXGN SMARTNET NETWORK

INSTRUMENTATION:  
LEICA 1316 ROBOTIC ELECTRONIC TOTAL STATION  
LEICA VIVA GNSS GS08 RECEIVER  
ALL EQUIPMENT HAS BEEN MAINTAINED IN ADJUSTMENT TO MANUFACTURERS SPECIFICATIONS AS REQUIRED BY WAC 332-130-100

PRECISION:  
MEETS OR EXCEEDS STATE STANDARDS SET BY WAC 332-130-080 THROUGH 332-130-110

BASIS OF BEARING:  
THE MONUMENTED CENTERLINE OF S STILLAGUAMISH AVE NE, AS THE BEARING NORTH 05°21'58" EAST PER GPS OBSERVATIONS.  
WASHINGTON STATE PLANE, NORTH ZONE, NAD 83/91

### LEGAL DESCRIPTION

LOT 6, THE COLONY, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 47 OF PLATS, PAGES 249 AND 250, RECORDS OF SNOHOMISH COUNTY.

SITE IN THE CITY OF ARLINGTON, COUNTY OF SNOHOMISH, STATE OF WASHINGTON.

### VERTICAL DATUM

NAVD 88 (NAVD88 -3.67' = NGVD29)

FOUND CASED CONC. MON. AT THE INTERSECTION OF E. HIGHLAND DR. & S. STILLAGUAMISH AVE. N.E.  
WGS SURVEY DATA WAREHOUSE I.D. #20563

ELEV. = 110.64'

### SURVEY REFERENCES

- (R1) PLAT OF THE COLONY - VOL. 47, PG. 249-250.
- (R2) ROSECREEK BSP - AFN 9805285007
- (R3) WESLEY STREET CONDOMINIUMS - AFN 200406085301

## TABLE OF CONTENTS

- COVER SHEET
- EXISTING CONDITIONS MAP
- TESC PLAN
- TESC NOTES AND DETAILS
- SITE PLAN
- ROAD AND GRADING PLAN
- VEHICLE TRACKING
- STORM DRAINAGE PLAN
- ROAD AND STORM DRAINAGE PROFILES
- ROAD SECTIONS
- INFILTRATION GALLERY SECTIONS AND DETAILS
- NOTES AND DETAILS
- SANITARY SEWER PLAN
- SANITARY SEWER PROFILES
- SANITARY SEWER DETAILS
- WATER PLAN
- WATER PROFILES
- WATER DETAILS

## CONTACT LIST

DEVELOPER:  
ATONEMENT FREE LUTHERAN CHURCH  
6905 172ND ST NE  
ARLINGTON WA, 98223  
CONTACT: JOE LONG  
PHONE: (360) 659-9444  
EMAIL: joe@cornerstonehomes.com

GEOTECHNICAL ENGINEER:  
GEOTEST  
840 SE 8TH AVE STE 102  
OAK HARBOR, WA 98277  
CONTACT: ED GARCIA  
PHONE: (360) 733-7318  
EMAIL: edg@geotest-inc.com

SURVEYOR:  
PACIFIC COAST SURVEYS, INC.  
16300 MILL CREEK BLVD, SUITE G4  
MILL CREEK, WASHINGTON 98082  
CONTACT: DARREN RIDDLE, PLS  
PHONE: (425) 508-4951  
FAX: (425) 357-3577  
EMAIL: darren@pcsurveys.net

## EARTHWORK QUANTITIES

STRIPPING: 5,225 CY  
CUT: 1,800 CY  
FILL: 600 CY  
NET: 1,200 CY (CUT/FILL)  
DISTURBED AREA: 119,286 SF (2.72 AC)  
THE ABOVE QUANTITIES ARE FOR PERMITTING PURPOSES. CONTRACTOR TO VERIFY.



## UTILITY NOTE

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.

## PROJECT INFORMATION

TAX PARCELS: 31052300301900 & 31052300300900  
SITE ADDRESS: 6905 172ND ST NE ARLINGTON WA, 98223  
SITE AREA: 382,457 SF (8.78 AC)  
PROPOSED ZONING: RLC  
PROPOSED LAND USE: RLC  
FUTURE LAND USE: RLC  
WATER: CITY OF ARLINGTON  
SEWER: CITY OF ARLINGTON  
POWER: SNOHOMISH PUD  
GAS: CASCADE NATURAL GAS  
TELEPHONE: COMCAST  
CABLE: COMCAST  
SCHOOL DISTRICT: ARLINGTON SCHOOL DISTRICT 16  
FIRE DISTRICT: NORTH COUNTRY REGIONAL FIRE AUTHORITY  
AIRPORT SUBDISTRICT: C  
SETBACKS AND DIMENSIONAL INFO:  
FRONT: 40'  
SIDE: 5'  
REAR: 20'  
ECA BUFFER: 15'  
MAX HEIGHT: 35'  
MAX LOT COVERAGE: 35%  
PROPOSED LOT COVERAGE: 23,279 SF (6.1%)  
(WITH POTENTIAL BUILDING EXPANSION)

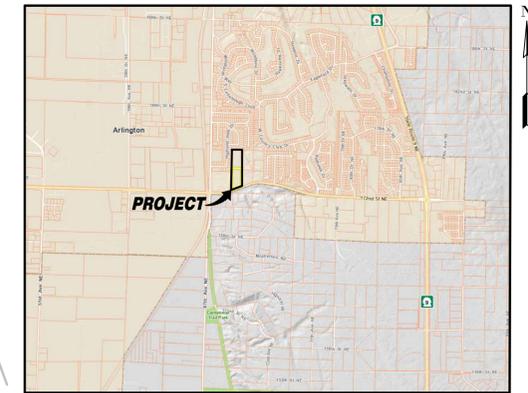
PROJECT FILE NO. PWD #3924

CITY OF ARLINGTON  
CONSTRUCTION DRAWING REVIEW APPROVAL

THIS PLAN HAS BEEN REVIEWED AND EVALUATED FOR GENERAL COMPLIANCE WITH THE CITY OF ARLINGTON CODES AND ORDINANCES. CONFORMANCE OF THE 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. ACKNOWLEDGEMENT 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 AUTHORIZATION WHICH MAY INCLUDE, BUT ARE NOT LIMITED TO, WSPFW HYDRAULIC PROJECT APPROVAL (HPA), WSDOE NOTICE OF INTENT (NOI), ARMY CORP OF ENGINEERS FILL PERMITS AND THE REQUIREMENTS OF THE ENDANGERED SPECIES ACT.

BY: \_\_\_\_\_  
DEVELOPMENT SERVICES MANAGER

DATE: \_\_\_\_\_  
THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER 18 MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINARY PLAT OR SITE PLAN APPROVAL.



## VICINITY MAP

SCALE: NOT TO SCALE



ENGINEER'S STAMP

#	DATE	DESCRIPTION
1	4-22-25	REVISED PER CITY COMMENTS
2	6-19-25	REVISED PER 2ND CITY COMMENTS
3	9-19-25	REVISED PER CITY CIVIL COMMENTS

**EGE**  
Solid Ground Engineering  
8105 166th Ave NE  
Redmond, WA 98052

## COVER SHEET

ATONEMENT FREE LUTHERAN CHURCH  
ATONEMENT CHURCH  
6905 172ND ST NE ARLINGTON WA, 98223

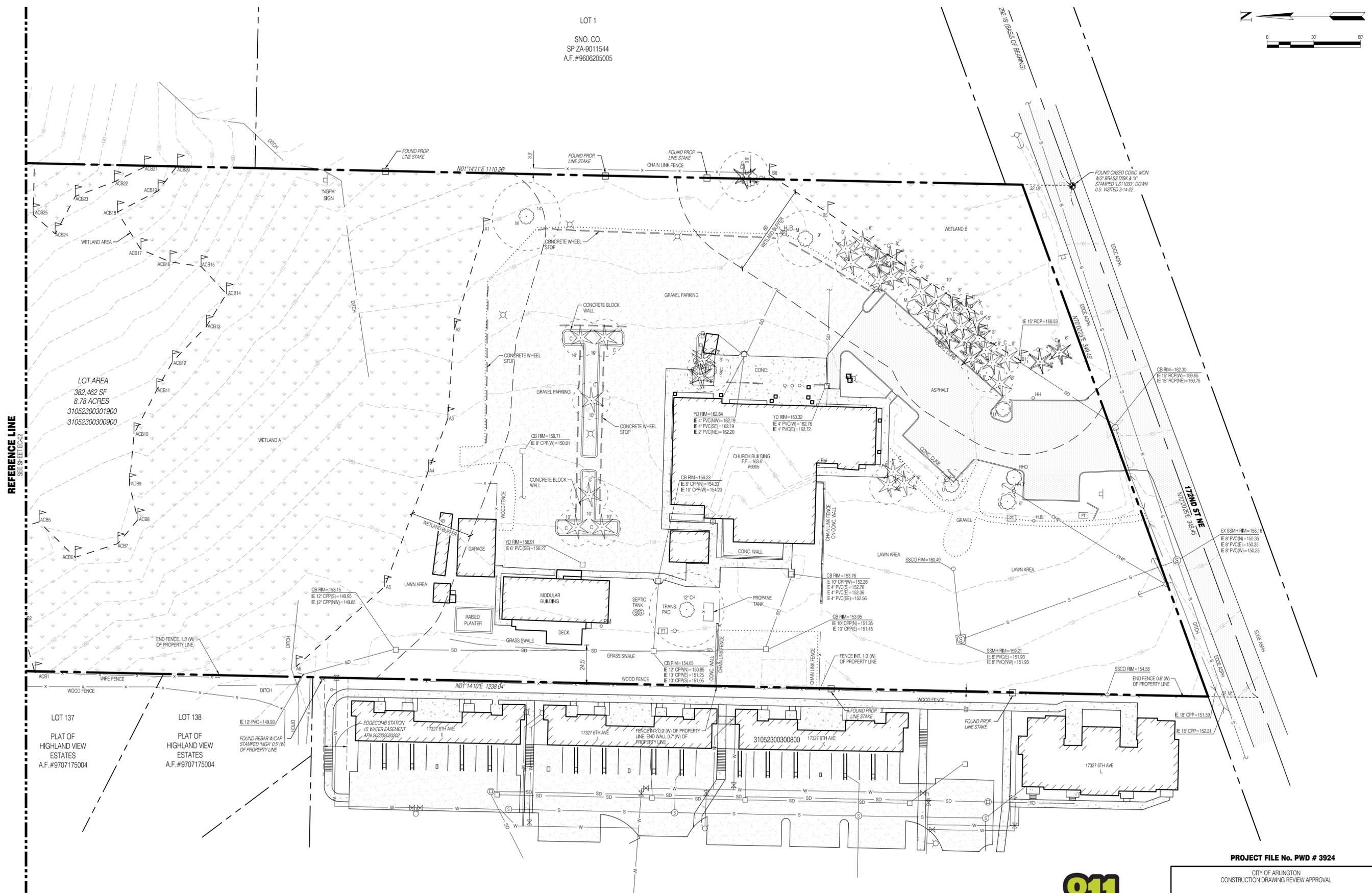
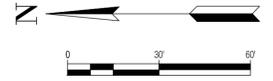
DRAWN BY:	KMV
CHECKED BY:	TPA
DATE:	1-20-25
JURISDICTION:	CITY OF ARLINGTON
JOB NUMBER:	24-0055

**CS-01**  
**1 OF 29**

SW 1/4, SW 1/4, SEC 23, T31N, R5E, WM, ARLINGTON, WASHINGTON

LOT 1

SNO. CO.  
SP ZA-9011544  
A.F.#9606205005



REFERENCE LINE  
SEE SHEET EC-02

LOT AREA  
382,462 SF  
8.78 ACRES  
31052300301900  
31052300300900

LOT 137  
PLAT OF  
HIGHLAND VIEW  
ESTATES  
A.F.#9707175004

LOT 138  
PLAT OF  
HIGHLAND VIEW  
ESTATES  
A.F.#9707175004



ENGINEER'S STAMP

REVISIONS

#	DATE	DESCRIPTION
1	4-22-25	REVISED PER CITY COMMENTS
2	6-19-25	REVISED PER 2ND CITY COMMENTS
3	9-19-25	REVISED PER CITY COMMENTS

**Solid Ground Engineering**  
8105 166th Ave NE  
Redmond, WA 98052

**EXISTING MAP  
CONDITIONS MAP**

**ATONEMENT FREE LUTHERAN  
CHURCH**  
**ATONEMENT CHURCH**  
**6905 172ND ST NE ARLINGTON  
WA.98223**

DRAWN BY:	KMV
CHECKED BY:	TPA
DATE:	1-20-25
JURISDICTION:	CITY OF ARLINGTON
JOB NUMBER:	24-0055

**EC-01**  
**2 OF 26**

**SURVEY DISCLAIMER**

THE TOPOGRAPHIC SURVEY WAS PERFORMED BY PACIFIC COAST SURVEYS. SOLID GROUND ENGINEERING ASSUMES NO LIABILITY AS TO THE ACCURACY AND COMPLETENESS OF THIS DATA. ANY DISCREPANCIES FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT IS NOTED IN THE FIELD SHOULD BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.

**UTILITY NOTE**

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.



SAFETY IS IN YOUR HANDS.  
EVERY DIG. EVERY TIME.

PROJECT FILE No. PWD # 3924

CITY OF ARLINGTON  
CONSTRUCTION DRAWING REVIEW APPROVAL

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

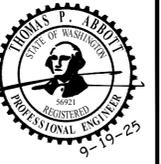
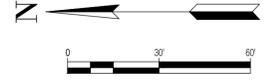
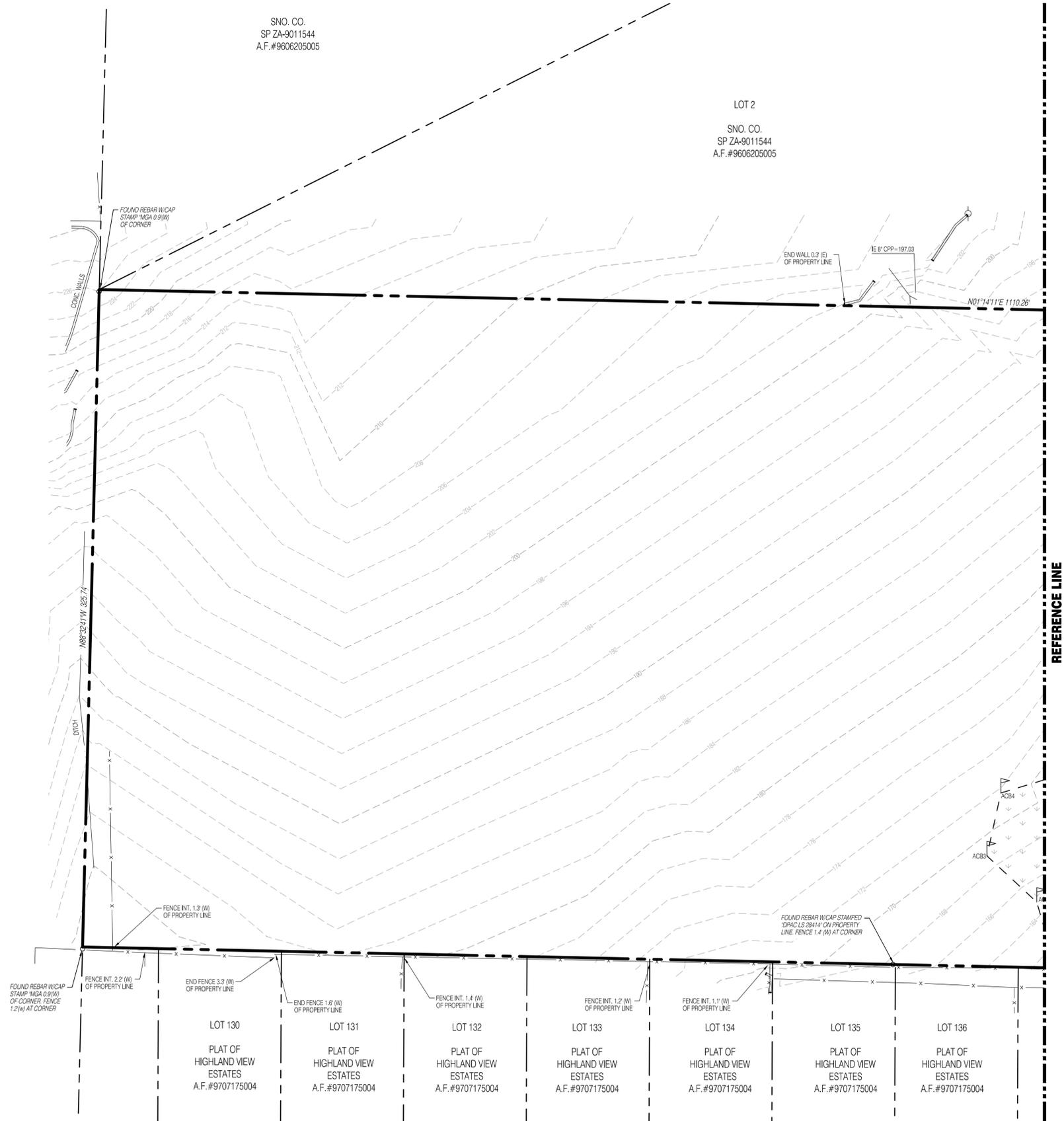
BY: \_\_\_\_\_  
DEVELOPMENT SERVICES MANAGER

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

SW 1/4, SW 1/4, SEC 23, T31N, R5E, WM, ARLINGTON, WASHINGTON

SNO. CO.  
SP ZA-9011544  
A.F.#9606205005

LOT 2  
SNO. CO.  
SP ZA-9011544  
A.F.#9606205005



ENGINEER'S STAMP

REVISIONS

#	DATE	DESCRIPTION
1	4-22-25	REVISED PER CITY COMMENTS
2	6-19-25	REVISED PER 2ND CITY COMMENTS
3	9-19-25	REVISED PER CITY CIVIL COMMENTS



Solid Ground Engineering  
8105 166th Ave NE  
Redmond, WA 98052

EXISTING MAP  
CONDITIONS

ATONEMENT FREE LUTHERAN CHURCH  
ATONEMENT CHURCH  
6905 172ND ST NE ARLINGTON WA.98223

DRAWN BY:	KMV
CHECKED BY:	TPA
DATE:	1-20-25
JURISDICTION:	CITY OF ARLINGTON
JOB NUMBER:	24-0055

PROJECT FILE No. PWD # 3924

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

**SURVEY DISCLAIMER**

THE TOPOGRAPHIC SURVEY WAS PERFORMED BY PACIFIC COAST SURVEYS. SOLID GROUND ENGINEERING ASSUMES NO LIABILITY AS TO THE ACCURACY AND COMPLETENESS OF THIS DATA. ANY DISCREPANCIES FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT IS NOTED IN THE FIELD SHOULD BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.

**UTILITY NOTE**

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.

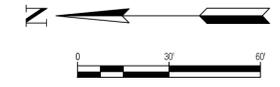


SAFETY IS IN YOUR HANDS.  
EVERY DIG. EVERY TIME.

SW 1/4, SW 1/4, SEC 23, T31N, R5E, WM, ARLINGTON, WASHINGTON

**CONSTRUCTION SEQUENCE**

1. PRIOR TO ANY CONSTRUCTION ACTIVITY THE CONTRACTOR SHALL SCHEDULE AND ATTEND A PRE-CONSTRUCTION CONFERENCE WITH THE CITY STAFF. CSOJL SHALL ATTEND CONFERENCE.
2. ALL ITEMS NOTED WITH TBR ARE TO BE REMOVED. THIS INCLUDES EXISTING MODULAR BUILDING, SEPTIC FACILITIES AND DRAINFIELDS, FENCING, ETC. THESE ITEMS ARE TO BE REMOVED AT THIS TIME IN THE SEQUENCE OF CONSTRUCTION TO PREPARE SITE FOR GRADING.
3. INSTALL INTERIM CATCH BASIN PROTECTION.
4. INSTALL ROCK CONSTRUCTION ENTRANCE.
5. STOCKPILE ALL EROSION MATERIALS ON SITE.
6. FLAG CLEARING LIMITS.
7. ARRANGE FOR CITY TO INSPECT AND APPROVE CLEARING LIMIT FLAGGING PRIOR TO CLEARING.
8. INSTALL FILTER FABRIC FENCE AND CONSTRUCTION FENCES AS SHOWN.
9. BEGIN CLEARING AND GRADING.
10. CLEAR FOR UTILITIES AND INSTALL ALL BURIED UTILITIES.
11. INSTALL ALL OTHER UTILITIES.
12. FINAL GRADE PAVING AREAS.
13. INSTALL FINAL PAVING, CURBING AND SIDEWALK.
14. STABILIZE UNPAVED AREAS WITH LANDSCAPING OR HYDROSEEDING AS PERMANENT COVER AND AS REQUIRED PER BMP T5.13.
15. CLEAN OUT STORM SYSTEM AND STRUCTURES WHEN CONSTRUCTION IS COMPLETE.
16. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY BMP'S ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON SITE. DISTURBED SOIL AREAS RESULTING FROM REMOVAL SHALL BE PERMANENTLY STABILIZED.



**LEGEND**

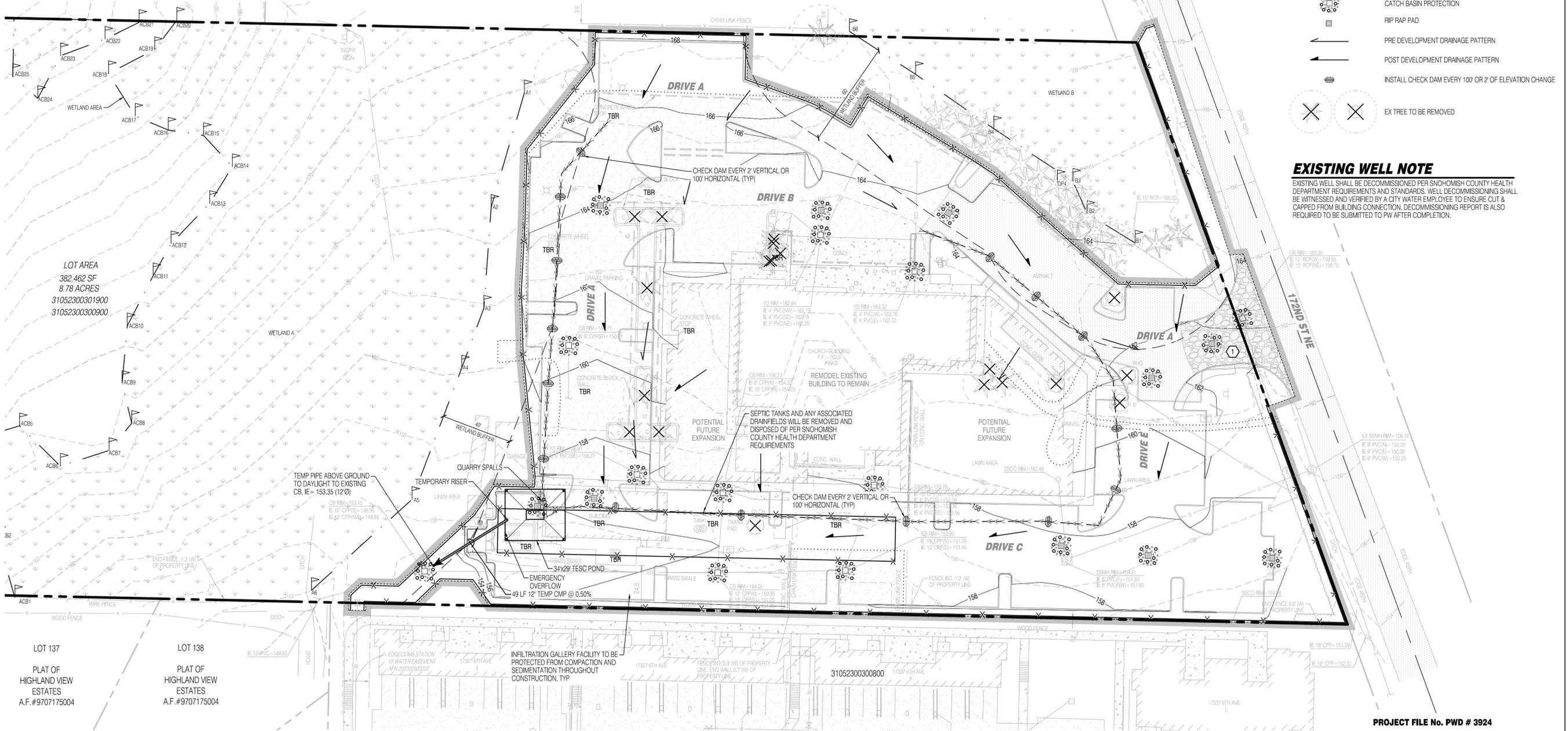
- CLEARING LIMITS
- SILT FENCE
- TREE PROTECTION FENCE
- CONVEYANCE SWALE
- PUMP LINE
- TO BE REMOVED
- ROCK CONSTRUCTION ENTRANCE
- CATCH BASIN PROTECTION
- RIP RAP PAD
- PRE DEVELOPMENT DRAINAGE PATTERN
- POST DEVELOPMENT DRAINAGE PATTERN
- INSTALL CHECK DAM EVERY 100' OR 2' OF ELEVATION CHANGE
- EX TREE TO BE REMOVED

**EXISTING WELL NOTE**

EXISTING WELL SHALL BE DECOMMISSIONED PER SNOHOMISH COUNTY HEALTH DEPARTMENT REQUIREMENTS AND STANDARDS. WELL DECOMMISSIONING SHALL BE WITNESSED AND VERIFIED BY A CITY WATER EMPLOYEE TO ENSURE CUT & CAPPED FROM BUILDING CONNECTION. DECOMMISSIONING REPORT IS ALSO REQUIRED TO BE SUBMITTED TO PW AFTER COMPLETION.

TEMP SEDIMENT POND	
BOTTOM ELEVATION	151.00
BOTTOM AREA (SF)	50
TOP OF RISER ELEVATION	155.00
TOP AREA (SF)	986
SIDE SLOPES	3H:1V
SPILLWAY ELEVATION	155.00
OUTLET INVERT ELEVATION	151.50
ORIFICE INVERT ELEV.	151.50
ORIFICE SIZE	1-3/8"

2 YEAR DEVELOPED STORM PRIOR TO DETENTION = 0.1038 CFS  
MINIMUM SURFACE AREA AT PONDING = 216 SF



**EARTHWORK QUANTITIES**

STRIPPING:	5,225 CY
CUT:	1,800 CY
FILL:	600 CY
NET:	1,200 CY (CUT/FILL)
DISTURBED AREA:	118,286 SF (2.72 AC)

THE ABOVE QUANTITIES ARE FOR PERMITTING PURPOSES. CONTRACTOR TO VERIFY.

**SURVEY DISCLAIMER**

THE TOPOGRAPHIC SURVEY WAS PERFORMED BY PACIFIC COAST SURVEYS. SOLID GROUND ENGINEERING ASSUMES NO LIABILITY AS TO THE ACCURACY AND COMPLETENESS OF THIS DATA. ANY DISCREPANCIES FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT IS NOTED IN THE FIELD SHOULD BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.

**UTILITY NOTE**

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.



PROJECT FILE No. PWD # 3924

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



ENGINEER'S STAMP

#	DATE	DESCRIPTION
1	4-22-25	REVISED PER CITY COMMENTS
2	6-19-25	REVISED PER 2ND CITY COMMENTS
3	9-19-25	REVISED PER CITY CIVIL COMMENTS

**Solid Ground Engineering**  
8105 166th Ave NE  
Redmond, WA 98052

**TESC PLAN**

**ATONEMENT FREE LUTHERAN CHURCH**  
**ATONEMENT CHURCH**  
**6905 172ND ST NE ARLINGTON WA.98223**

DRAWN BY:	KMV
CHECKED BY:	TPA
DATE:	1-20-25
JURISDICTION:	CITY OF ARLINGTON
JOB NUMBER:	24-0055

**ER-01**  
**4 OF 29**

C:\Users\jw\OneDrive\Solid Ground Engineering\24-0055\24-0055-01.dwg 9/19/2025 12:32:21 PM

**GRADING AND EROSION CONTROL NOTES:**

- CITY OF ARLINGTON TESC NOTES:
- APPROVAL OF THE TEMPORARY EROSION/SEDIMENT CONTROL (TESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR STORM DRAINAGE DESIGN.
  - A TESC PLAN MEETING THE DOE STORM WATER MANAGEMENT MANUAL ADOPTED BY THE CITY SHALL BE SUBMITTED TO THE CITY FOR APPROVAL PRIOR TO ANY WORK ON THE SITE. AN APPROVED COPY MUST BE MAINTAINED ON-SITE AND BE READILY AVAILABLE TO THE CITY INSPECTOR AT THEIR REQUEST.
  - THE TESC BMP'S SHOWN ON THE PLAN MUST BE INSTALLED PRIOR TO ALL OTHER CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT-ADDED WATER DOES NOT ENTER THE DRAINAGE SYSTEM, LEAVE THE SITE, OR VIOLATE APPLICABLE WATER QUALITY STANDARDS, MAINTENANCE, REPLACEMENT, AND UPGRADE OF THE TESC PLANS IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETE AND APPROVED BY THE CITY.
  - THE BOUNDARIES OF THE CLEARING LIMITS, SHOWN ON THE TESC PLAN, SHALL BE CLEARLY FENCED OR FLAGGED IN THE FIELD PRIOR TO STARTING CONSTRUCTION. NO DISTURBANCE BEYOND THE FENCED OR FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FENCING AND/OR FLAGGING SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF THE CONSTRUCTION PROJECT.
  - THE TESC FACILITIES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS FOR THE ANTICIPATED SITE CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, THESE TESC FACILITIES SHALL BE UPGRADED AND ADDED AS NEEDED, FOR UNEXPECTED STORM EVENTS AND TO REFLECT CHANGED CONDITIONS, AS REQUIRED BY THE CITY.
  - THE CONTRACTOR SHALL PROVIDE THE CITY A 24-HOUR EMERGENCY CONTACT PHONE NUMBER OF THE CONTRACTOR'S CERTIFIED EROSION CONTROL SUPERVISOR PRIOR TO STARTING CONSTRUCTION.
  - THE TESC FACILITIES SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE CONTINUED FUNCTION AND OPERATION.
  - BETWEEN OCTOBER 1 AND APRIL 30, DISTURBED AREAS THAT ARE TO BE LEFT UNWORKED FOR MORE THAN TWO (2) DAYS SHALL BE IMMEDIATELY COVERED BY MULCH, SOIL OR PLASTIC COVERING. BETWEEN MAY 1 AND SEPTEMBER 30, DISTURBED AREAS THAT ARE TO BE LEFT UNWORKED FOR MORE THAN SEVEN (7) DAYS SHALL BE IMMEDIATELY COVERED BY SEEDING OR OTHER APPROVED METHODS.
  - SEDIMENT DEPOSITS SHALL BE REMOVED FROM ALL CATCH BASINS, PRE-TREATMENT SEDIMENT POND, AND SEDIMENT TRAPS UPON REACHING A DEPTH OF 12 INCHES.
  - ANY PERMANENT RETENTION/DETENTION FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES. SHALL PROVIDE ADEQUATE STORAGE CAPACITY AND SHALL BE CLEANED OUT ENTIRELY ONCE THE SITE IS STABILIZED. IF THE PERMANENT FACILITY IS TO ULTIMATELY FUNCTION AS AN INFILTRATION SYSTEM, THE FACILITY SHALL NOT BE USED AS A TEMPORARY SETTLING BASIN.
  - WHERE SEEDING FOR TEMPORARY EROSION CONTROL IS REQUIRED, FAST GERMINATING GRASSES SHALL BE APPLIED AT AN APPROXIMATE RATE OF 120 LBS PER ACRE.
  - WHERE STRAW MULCH FOR TEMPORARY EROSION CONTROL IS REQUIRED, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF 3 INCHES, OR 3,000 POUNDS PER ACRE.
  - SOIL STOCKPILES SHALL BE STABILIZED WITHIN 24 HOURS, WHEN ACTIVELY WORKING WITH THE SOIL STOCKPILE. STABILIZATION BY GROUND COVER BMP'S SHALL OCCUR AT THE END OF EACH WORK DAY.
  - STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
  - MAINTENANCE AND REPAIR OF TESC FACILITIES AND STRUCTURES SHALL BE CONDUCTED IMMEDIATELY UPON RECOGNITION OF A PROBLEM OR WHEN THE TESC MEASURES BECOME DAMAGED.
  - UPON COMPLETION OF THE PROJECT, ALL BMP'S SHALL BE REMOVED FROM THE SITE AND RIGHT OF WAY. IF BMP'S ARE REQUIRED TO REMAIN IN PLACE FOR FURTHER PROTECTION, ARRANGEMENTS FOR REMOVAL SHALL BE MADE WITH THE CITY INSPECTOR.
  - THE DUFF LAYER AND NATIVE TOPSOIL SHALL BE RETAINED IN AN UNDISTURBED STATE TO THE MAXIMUM EXTENT PRACTICABLE. ALL AREAS SUBJECT TO CLEARING AND GRADING THAT WILL NOT BE COVERED BY IMPERVIOUS SURFACE, INCORPORATED INTO A DRAINAGE FACILITY OR ENGINEERED AS STRUCTURAL FILL OR SLOPE SHALL, AT THE PROJECT COMPLETION, DEMONSTRATE THE REQUIREMENTS ESTABLISHED IN T5.13 OF THE 2019 SWMMWW. POST CONSTRUCTION SOIL QUALITY AND DEPTH.

**SEED OPTIONS MIX**

Table 4.1 represents the standard mix for those areas where a temporary vegetative cover is required.

	% Weight	% Purity	% Germination
Drawings or annual tall grass <i>Festuca rubra</i> var. <i>commutata</i> or <i>poa annua</i>	40	98	90
Perennial ryegrass <i>Lolium perenne</i>	50	98	90
Redtop or colonial bentgrass <i>Agrostis alba</i> or <i>Agrostis tenuis</i>	5	92	85
White Dutch clover <i>Trifolium repens</i>	5	98	90

This turf seed mix in Table 4.3 is for dry situations where there is no need for much water the advantage is that this mix requires very little maintenance.

	% Weight	% Purity	% Germination
Dwarf tall fescue (several varieties) <i>Festuca arundinacea</i> var.	45	98	90
Dwarf perennial ryegrass (Barelay) <i>Lolium perenne</i> var. <i>barelay</i>	30	98	90
Red fescue <i>Festuca rubra</i>	20	98	90
Colonial bentgrass <i>Agrostis tenuis</i>	5	98	90

Table 4.4 presents a mix recommended for bioswalks and other intermittently wet areas.

	% Weight	% Purity	% Germination
Tall or meadow fescue <i>Festuca arundinacea</i> or <i>festuca elatior</i>	75-80	98	90
Sawtooth/Owlwing bentgrass <i>Agrostis palustris</i>	10-15	92	85
Redtop bentgrass <i>Agrostis alba</i> or <i>Agrostis gigantea</i>	5-10	90	80

**THE THIRTEEN ELEMENTS OF A CONSTRUCTION SWPPP:**

THE BMP'S REFERENCED BELOW ARE PER THE 2019 STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON.

- MARK CLEARING LIMITS. THE CLEARING LIMITS ARE INDICATED ON THE PLAN SHEET. CLEARING AND GRADING WILL BE LIMITED TO ONLY AREAS THAT NEED TO BE DISTURBED FOR GRADING, AND PLACING OR STOCK PILING FILL AND TO PRESERVE AS MUCH NATURAL VEGETATION AND THE DUFF LAYER AS POSSIBLE. FIELD MARKING THE CLEARING LIMITS SHALL BE COMPLETED PRIOR TO ANY CLEARING OR DISTURBING THE SITE.  
BMP'S:  
C103 HIGH VISIBILITY PLASTIC OR METAL FENCE  
C233 SILT FENCE
- ESTABLISH CONSTRUCTION ACCESS. ACCESS TO THE CONSTRUCTION SITE SHALL BE LIMITED TO THE ROCK CONSTRUCTION ENTRANCE(S).  
BMP'S:  
C106 STABILIZED CONSTRUCTION ENTRANCE
- CONTROL FLOW RATES. A SEDIMENT POND WILL BE USED TO COLLECT AND RETAIN RUNOFF ON-SITE TO PROTECT DOWNSTREAM DRAINAGE FEATURES.  
C241 SEDIMENT POND
- INSTALL SEDIMENT CONTROLS. SEDIMENT CONTROL WILL BE PROVIDED THROUGH THE USE OF SILT FENCE, INTERCEPTOR SWALE, INLET PROTECTION AND A SEDIMENT POND.  
BMP'S:  
C200 INTERCEPTOR DIKE AND SWALE  
C223 STORM DRAIN INLET PROTECTION  
C233 SILT FENCE  
C241 SEDIMENT POND
- STABILIZE SOILS. TEMPORARY AND PERMANENT SOIL STABILIZATION WILL BE PROVIDED. TEMPORARY STABILIZATION WILL BE PROVIDED TO EXPOSED WORKED EARTH FROM OCTOBER 1 UNTIL APRIL 30. NO EXPOSED SOIL MAY REMAIN EXPOSED AND UNWORKED FOR MORE THAN TWO DAYS, FROM MAY 1 UNTIL SEPTEMBER 30. NO EXPOSED SOIL MAY REMAIN EXPOSED AND UNWORKED FOR MORE THAN SEVEN DAYS.  
BMP'S:  
C120 TEMPORARY AND PERMANENT SEEDING  
C123 PLASTIC COVERING  
C121 MULCHING
- PROTECT SLOPES. SLOPES SHALL BE PROTECTED FROM EROSION THROUGH COVER AND SOIL STABILIZATION.  
BMP'S:  
C120 TEMPORARY AND PERMANENT SEEDING  
C121 MULCHING  
C123 PLASTIC COVERING
- PROTECT DRAIN INLETS. INLET PROTECTION SHALL BE INSTALLED FOR EXISTING INLETS PRIOR TO WORK BEGINNING AND ON PROPOSED INLETS AS SOON AS THEY ARE INSTALLED. PROTECTION MEASURES MUST BE MAINTAINED AND CLEANED IN A MANNER THAT COLLECTION SEDIMENT IS NOT ALLOWED TO ENTER THE STORM NETWORK.  
BMP'S:  
C220 STORM DRAIN INLET PROTECTION
- STABILIZE CHANNELS AND OUTLETS. ALL CHANNEL SLOPES SHALL BE CONSTRUCTED AND PROTECTED AGAINST EROSION.  
BMP'S:  
C207 CHECK DAMS
- CONTROL POLLUTANTS. POLLUTANTS SHALL BE CONTROLLED PER POLLUTANT CONTROL NOTES. SEE THIS SHEET FOR NOTES.
- CONTROL DE-WATERING. DISPOSAL OPTIONS FOR DE-WATERING WATER ARE AS SPECIFIED IN THE DE-WATERING CONTROL NOTES. SEE THIS SHEET FOR NOTES.  
BMP'S:  
C151 CONCRETE HANDLING
- MAINTAIN BMP'S. MAINTENANCE OF THE BMP'S IS SPECIFIED IN THE CONSTRUCTION SEQUENCE AND GRADING AND EROSION CONTROL NOTES. SEE SHEET ER-01 AND THIS SHEET.
- PROJECT MANAGEMENT. THE GRADING AND EROSION CONTROL NOTES SPECIFY SEASONAL WORK LIMITATIONS. BMP'S SHALL BE MAINTAINED PER ELEMENT #11.
- PROTECT LID BMP'S. PROTECT THE INFILTRATION AREA WITH ORANGE CONSTRUCTION FENCING SO IT WILL NOT BE OVERCOMPACTED DURING GRADING AND CONSTRUCTION.

**DE-WATERING CONTROL NOTES**

ALL TURBID DE-WATERING WATER SHALL BE DISPOSED OF USING ONE OF THE FOLLOWING OPTIONS:

- INFILTRATION.
- TRANSPORT OFF-SITE IN A VEHICLE, SUCH AS A VACUUM FLUSH TRUCK, FOR LEGAL DISPOSAL IN A MANNER THAT DOES NOT POLLUTE STATE WATERS.
- ECOLOGICALLY-APPROVED ON-SITE CHEMICAL TREATMENT OR OTHER SUITABLE TREATMENT TECHNOLOGIES.
- SANITARY SEWER DISCHARGE WITH LOCAL SEWER DISTRICT APPROVAL, IF THERE IS NO OTHER OPTION.
- USE OF A SEDIMENTATION BASIN WITH OUTFALL TO A DITCH OR SWALE FOR SMALL VOLUMES OF LOCALIZED DE-WATERING, OR
- FOUNDATION, WALL, AND TRENCH DE-WATERING WATER, WHICH HAVE SIMILAR CHARACTERISTICS TO STORMWATER RUNOFF AT THE SITE, SHALL BE DISPERSED TO NATIVE VEGETATION AND/OR DISCHARGED TO A SEDIMENTATION FACILITY.

**POLLUTANT CONTROL NOTES**

- ALL POLLUTANTS, INCLUDING WASTE MATERIALS AND DEMOLITION DEBRIS, THAT OCCUR ON-SITE SHALL BE HANDLED AND DISPOSED OF IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORMWATER. WOODY DEBRIS MAY BE CHOPPED AND SPREAD ON SITE.
- COVER, CONTAINMENT AND PROTECTION FROM WINDBLUST SHALL BE PROVIDED FOR ALL CHEMICALS, LIQUID PRODUCTS, PETROLEUM PRODUCTS, AND NON-HAZARDOUS WASTES PRESENT ON THE SITE (SEE CHAPTER 173-200 WAC FOR THE DEFINITION OF HAZARDOUS WASTE). ON-SITE FUELING TANKS SHALL INCLUDE SECONDARY CONTAINMENT.
- ALL MAINTENANCE OF HEAVY EQUIPMENT AND VEHICLES SHALL BE DONE OFF-SITE.
- ACTIVITIES WHICH MAY RESULT IN DISCHARGE OR SPILLAGE OF POLLUTANTS TO THE GROUND OR INTO STORMWATER RUNOFF MUST BE CONDUCTED USING SILT PREVENTION MEASURES, SUCH AS DRIP PANS, CONTAMINATED SURFACES SHALL BE CLEANED IMMEDIATELY FOLLOWING ANY DISCHARGE OR SPILL INCIDENT. EMERGENCY REPAIRS MAY BE PERFORMED ON-SITE USING TEMPORARY PLASTIC PLACED BENEATH AND, IF RAINING, OVER THE VEHICLE.
- WHEEL WASH OR TIRE BATH WASTEWATER SHALL BE DISCHARGED TO A SEPARATE ON-SITE TREATMENT SYSTEM OR TO THE SANITARY SEWER.
- APPLICATION OF AGRICULTURAL CHEMICALS, INCLUDING FERTILIZERS AND PESTICIDES, SHALL BE CONDUCTED IN A MANNER AND AT APPLICATION RATES THAT WILL NOT RESULT IN LOSS OF CHEMICAL TO STORMWATER RUNOFF WITH OUTFALL TO A DITCH OR SWALE FOR SMALL VOLUMES OF LOCALIZED DE-WATERING, OR
- BMP'S SHALL BE USED TO PREVENT OR TREAT CONTAMINATION OF STORMWATER RUNOFF BY PH-MODIFYING SOURCES. THESE SOURCES INCLUDE, BUT ARE NOT LIMITED TO, BULK CEMENT, CEMENT KILN DUST, FLY ASH, NEW CONCRETE WASHING AND CURING WATERS, WASTE STREAMS GENERATED FROM CONCRETE GRINDING AND SAWING, EXPOSED AGGREGATE PROCESSES, AND CONCRETE PUMPING AND MIXER WASHOUT WATERS. STORMWATER DISCHARGES SHALL NOT CAUSE OR CONTRIBUTE TO A VIOLATION OF THE WATER QUALITY STANDARD FOR PH IN THE RECEIVING WATER.

**BMP T5.13 DESIGN GUIDELINES**

**SOIL RETENTION:**  
THE DUFF LAYER AND NATIVE TOPSOIL SHOULD BE RETAINED IN AN UNDISTURBED STATE TO THE MAXIMUM EXTENT PRACTICABLE. IN ANY AREAS REQUIRING GRADING REMOVE AND STOCKPILE THE DUFF LAYER AND TOPSOIL ON SITE IN A DESIGNATED, CONTROLLED AREA, NOT ADJACENT TO PUBLIC RESOURCES AND CRITICAL AREAS, TO BE REAPPLIED TO OTHER PORTIONS OF THE SITE WHERE FEASIBLE.

**SOIL QUALITY:**  
ALL AREAS SUBJECT TO CLEARING AND GRADING THAT HAVE NOT BEEN COVERED BY IMPERVIOUS SURFACE, INCORPORATED INTO A DRAINAGE FACILITY OR ENGINEERED AS STRUCTURAL FILL OR SLOPE SHALL, AT PROJECT COMPLETION, DEMONSTRATE THE FOLLOWING:

- A TOPSOIL LAYER WITH A MINIMUM ORGANIC MATTER CONTENT OF TEN PERCENT DRY WEIGHT IN PLANTING BEDS, AND 5% ORGANIC MATTER CONTENT IN TURF AREAS, AND A PH FROM 6.0 TO 8.0 OR MATCHING THE PH OF THE ORIGINAL UNDISTURBED SOIL. THE TOPSOIL LAYER SHALL HAVE A MINIMUM DEPTH OF EIGHT INCHES EXCEPT WHERE TREE ROOTS LIMIT THE DEPTH OF INCORPORATION OF AMENDMENTS NEEDED TO MEET THE CRITERIA. SUBSOILS BELOW THE TOPSOIL LAYER SHOULD BE SCARIFIED AT LEAST 4 INCHES WITH SOME INCORPORATION OF THE UPPER MATERIAL TO AVOID STRATIFIED LAYERS, WHERE FEASIBLE.
- PLANTING BEDS MUST BE MULCHED WITH 2 INCHES OF ORGANIC MATERIAL.
- QUALITY OF COMPOST AND OTHER MATERIALS USED TO MEET THE ORGANIC CONTENT REQUIREMENTS.
  - THE ORGANIC CONTENT FOR "PRE-APPROVED" AMENDMENT RATES CAN BE MET ONLY USING COMPOST THAT MEETS THE DEFINITION OF "COMPOSTED MATERIALS" IN WAC 173-200-220. THIS CODE IS AVAILABLE ONLINE AT: [HTTP://WWW.ECY.WA.GOV/PROGRAMS/SW/FACILITIES/200.HTML](http://www.ecy.wa.gov/programs/sw/facilities/200.html). THE COMPOST MUST ALSO HAVE AN ORGANIC MATTER CONTENT OF 35% TO 65%, AND A CARBON TO NITROGEN RATIO BELOW 25:1. THE CARBON TO NITROGEN RATIO MAY BE AS HIGH AS 35:1 FOR PLANTINGS COMPOSED ENTIRELY OF PLANTS NATIVE TO THE PUGET SOUND LOWLANDS REGION.
  - CALCULATED AMENDMENT RATES MAY BE MET THROUGH USE OF COMPOSTED MATERIALS AS DEFINED ABOVE, OR OTHER ORGANIC MATERIALS AMENDED TO MEET THE CARBON TO NITROGEN RATIO REQUIREMENTS, AND MEETING THE CONTAMINANT STANDARDS OF GRADE A COMPOST. THE RESULTING SOIL SHOULD BE CONDUCTIVE TO THE TYPE OF VEGETATION TO BE ESTABLISHED.

**IMPLEMENTATION OPTIONS:**  
THE SOIL QUALITY DESIGN GUIDELINES LISTED ABOVE CAN BE MET BY USING ONE OF THE METHODS LISTED BELOW:

- LEAVE UNDISTURBED NATIVE VEGETATION AND SOIL, AND PROTECT FROM COMPACTION DURING CONSTRUCTION.
- AMEND EXISTING SITE TOPSOIL OR SUBSOIL EITHER AT DEFAULT "PRE-APPROVED" RATES, OR AT CUSTOM CALCULATED RATES BASED ON SPECIFIC TESTS OF THE SOIL AND AMENDMENT.
- STOCKPILE EXISTING TOPSOIL DURING GRADING, AND REPLACE IT PRIOR TO PLANTING. STOCKPILED TOPSOIL MUST ALSO BE AMENDED IF NEEDED TO MEET THE ORGANIC MATTER OR DEPTH REQUIREMENTS, EITHER AT A DEFAULT "PRE-APPROVED" RATE OR AT A CUSTOM CALCULATED RATE.
- IMPORT TOPSOIL MIX OF SUFFICIENT ORGANIC CONTENT AND DEPTH TO MEET THE REQUIREMENTS. MORE THAN ONE METHOD MAY BE USED ON DIFFERENT PORTIONS OF THE SAME SITE. SOIL THAT ALREADY MEETS THE DEPTH AND ORGANIC MATTER QUALITY STANDARDS, AND IS NOT COMPACTED, DOES NOT NEED TO BE AMENDED.

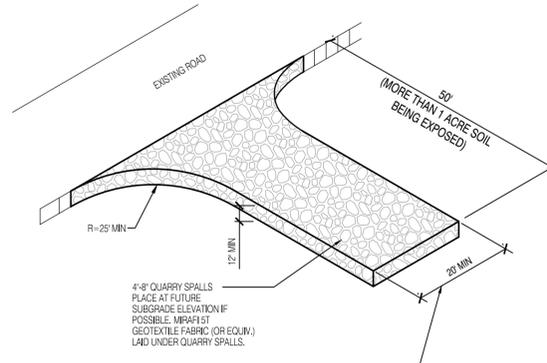
- MAINTENANCE:**
- SOIL QUALITY AND DEPTH SHOULD BE ESTABLISHED TOWARD THE END OF CONSTRUCTION AND ONCE ESTABLISHED, SHOULD BE PROTECTED FROM COMPACTION, SUCH AS FROM LARGE MACHINERY USE, AND FROM EROSION.
  - SOIL SHOULD BE PLANTED AND MULCHED AFTER INSTALLATION.
  - PLANT DEBRIS OR ITS EQUIVALENT SHOULD BE LEFT ON THE SOIL SURFACE TO REPLENISH ORGANIC MATTER.

**SURVEY DISCLAIMER**

THE TOPOGRAPHIC SURVEY WAS PERFORMED BY PACIFIC COAST SURVEYS. SOLID GROUND ENGINEERING ASSUMES NO LIABILITY AS TO THE ACCURACY AND COMPLETENESS OF THIS DATA. ANY DISCREPANCIES FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT IS NOTED IN THE FIELD SHOULD BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.

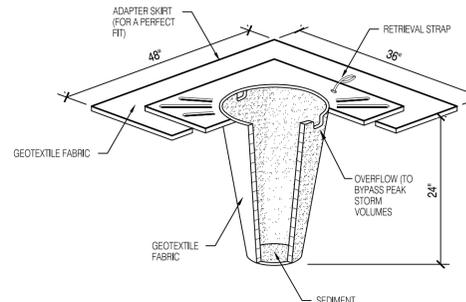
**UTILITY NOTE**

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.



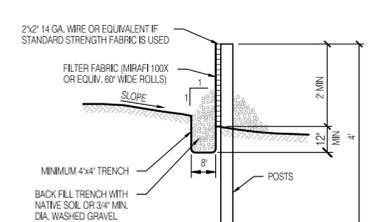
**ROCK CONSTRUCTION ENTRANCE**

NOT TO SCALE



**STORM DRAIN INLET PROTECTION**

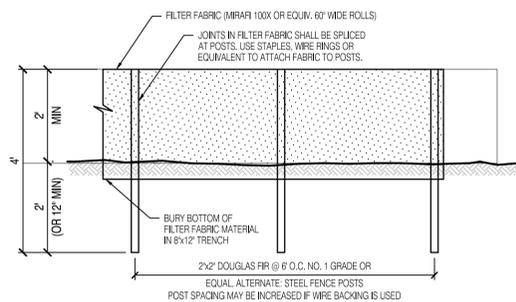
NOT TO SCALE



**SEDIMENT POND RISER DETAIL**

NOT TO SCALE

- NOTES:**
- SEDIMENT DEPOSITS SHALL EITHER BE REMOVED WHEN THE DEPOSIT REACHES APPROXIMATELY ONE-THIRD THE HEIGHT OF THE FENCE, OR A SECOND SILT FENCE SHALL BE INSTALLED.



NOTES:

- SEDIMENT DEPOSITS SHALL EITHER BE REMOVED WHEN THE DEPOSIT REACHES APPROXIMATELY ONE-THIRD THE HEIGHT OF THE FENCE, OR A SECOND SILT FENCE SHALL BE INSTALLED.

**SILT FENCE DETAIL**

NOT TO SCALE

**TEMPORARY GRAVEL CONSTRUCTION ENTRANCE:**

- 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 WASHINGS SHOULD BE CONSTRUCTED ACCORDING TO SPECIFICATIONS IN THE PLAN. IF WASH RACKS ARE USED, THEY SHOULD BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- AGGREGATE: 4" QUARRY SPALLS.
- ENTRANCE DIMENSIONS: THE AGGREGATE LAYER MUST BE AT LEAST 12 INCHES THICK. IT MUST EXCEED THE FULL WIDTH OF THE VEHICULAR INGRESS AND EGRESS AREA. THE LENGTH OF THE ENTRANCE MUST BE AT LEAST 100 FEET.
- 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.
- 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 UP 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.

**MAINTENANCE STANDARDS:**

- QUARRY SPALLS (OR HOG FUEL) SHALL BE ADDED IF THE PAD IS NO LONGER IN ACCORDANCE WITH THE SPECIFICATIONS.
- IF THE ENTRANCE IS NOT PREVENTING SEDIMENT FROM BEING TRACKED ONTO PAVEMENT, THEN ALTERNATIVE MEASURES TO KEEP THE STREETS FREE OF SEDIMENT SHALL BE USED. THIS MAY INCLUDE STREET SWEEPING, AN INCREASE IN THE DIMENSIONS OF THE ENTRANCE, OR THE INSTALLATION OF A WHEEL WASH. IF WASHING IS USED, IT SHALL BE DONE ON AN AREA COVERED WITH CRUSHED ROCK, AND WASH WATER SHALL DRAIN TO A SEDIMENT TRAP OR POND. PROVIDE TIRE WASH FOR ALL WINTER GRADING.
- ANY SEDIMENT THAT IS TRACKED ONTO PAVEMENT SHALL BE REMOVED IMMEDIATELY BY SWEEPING. THE SEDIMENT COLLECTED BY SWEEPING SHALL BE REMOVED OR STABILIZED ON-SITE. THE PAVEMENT SHALL NOT BE CLEANED BY WASHING DOWN THE STREET, EXCEPT WHEN SWEEPING IS INEFFECTIVE AND THERE IS A THREAT TO PUBLIC SAFETY. IF IT IS NECESSARY TO WASH THE STREETS, THE CONSTRUCTION OF A SMALL SUMP SHALL BE CONSIDERED. THE SEDIMENT WOULD THEN BE WASHED INTO THE SUMP.
- ANY ROCK SPALLS THAT ARE LOOSING FROM THE PAD AND END UP ON THE ROADWAY SHALL BE REMOVED IMMEDIATELY.
- IF VEHICLES ARE ENTERING OR EXITING THE SITE AT POINTS OTHER THAN THE CONSTRUCTION ENTRANCE(S), FENCING (SECTION 5.4.1) SHALL BE INSTALLED TO CONTROL TRAFFIC.



ENGINEER'S STAMP

#	DATE	DESCRIPTION	REVISION PER CITY COMMENTS	REVISION PER 2ND CITY COMMENTS	REVISION PER CITY COMMENTS
1	4-22-25				
2	6-19-25				
3	8-19-25				

**EGE**  
Solid Ground Engineering  
8105 166th Ave NE  
Redmond, WA 98052

**TESC NOTES AND DETAILS**

**ATONEMENT FREE LUTHERAN CHURCH**  
**ATONEMENT CHURCH**  
6905 172ND ST NE ARLINGTON WA.98223

DRAWN BY:	KMV
CHECKED BY:	TPA
DATE:	1-20-25
JURISDICTION:	CITY OF ARLINGTON
JOB NUMBER:	24-0055

**ER-02**  
**5 OF 29**

**PROJECT FILE No. PWD # 3924**

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



SW 1/4, SW 1/4, SEC 23, T31N, R5E, WM, ARLINGTON, WASHINGTON



ENGINEER'S STAMP

REVISIONS

#	DATE	DESCRIPTION
1	4-22-25	REVISED PER CITY COMMENTS
2	6-19-25	REVISED PER 2ND CITY COMMENTS
3	9-19-25	REVISED PER CITY CIVIL COMMENTS

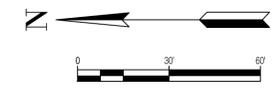
**Solid Ground Engineering**  
8105 166th Ave NE  
Redmond, WA 98052

**SITE PLAN**

**ATONEMENT FREE LUTHERAN CHURCH**  
**ATONEMENT CHURCH**  
**6905 172ND ST NE ARLINGTON WA.98223**

DRAWN BY: KMV  
CHECKED BY: TPA  
DATE: 1-20-25  
JURISDICTION: CITY OF ARLINGTON  
JOB NUMBER: 24-0055

**SP-01**  
**6 OF 29**



**LEGEND**

SYMBOLS	DESCRIPTION
•	REMOVABLE BOLLARD
•	'NO PARKING' SIGN UNLESS OTHERWISE NOTED
—	RETAINING WALL
▨	ASPHALT PAVEMENT
▨	ASPHALT GRIND AND OVERLAY
▨	CONCRETE PAVEMENT
—	FALL PROTECTION FENCING

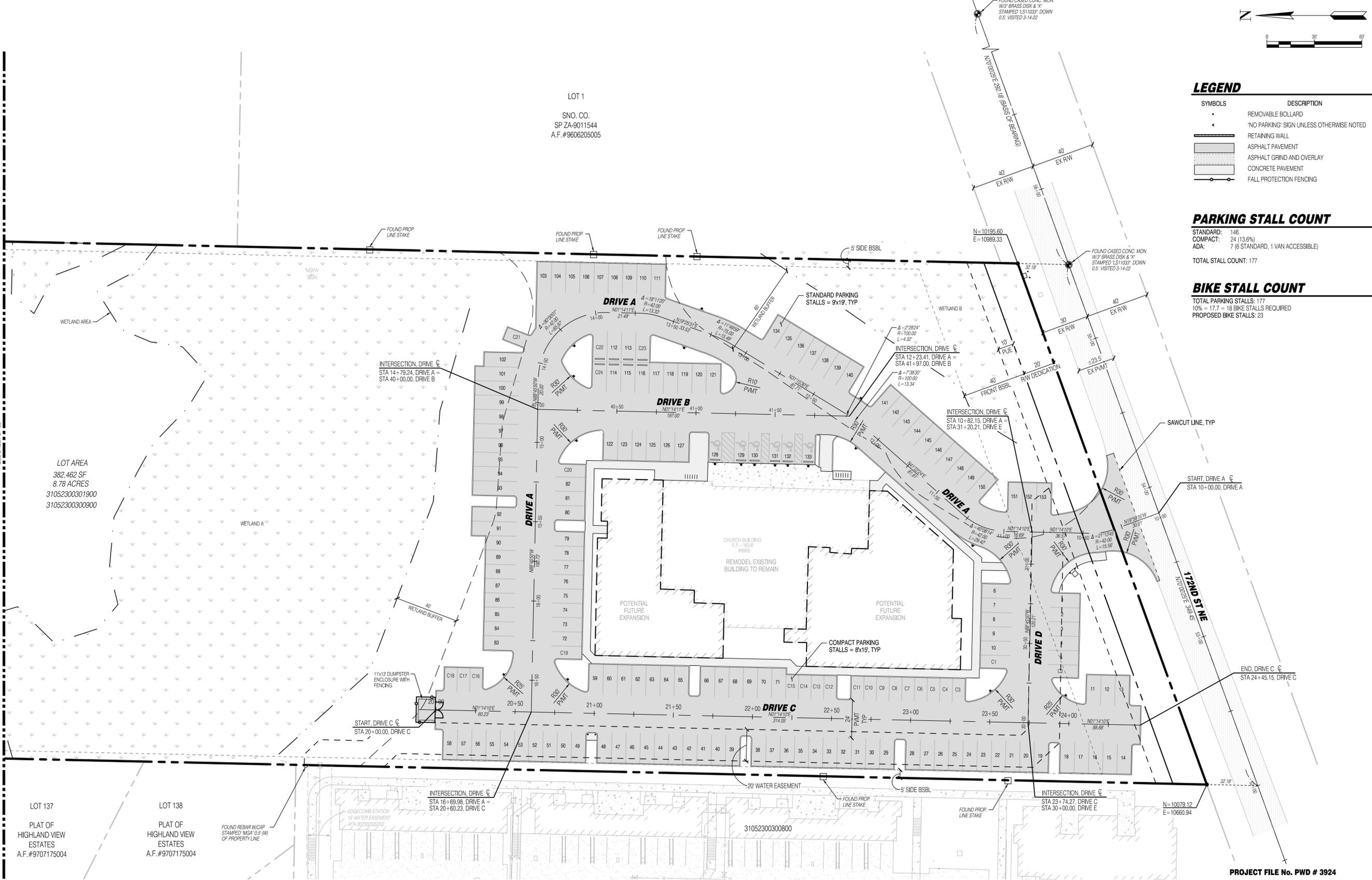
**PARKING STALL COUNT**

STANDARD: 146  
COMPACT: 24 (13.6%)  
ADA: 7 (6 STANDARD, 1 VAN ACCESSIBLE)  
TOTAL STALL COUNT: 177

**BIKE STALL COUNT**

TOTAL PARKING STALLS: 177  
10% = 17.7 = 18 BIKE STALLS REQUIRED  
PROPOSED BIKE STALLS: 23

REFERENCE LINE  
SEE SHEET SP-02



LOT AREA  
382,462 SF  
8.78 ACRES  
31052300301900  
31052300300900

LOT 137  
PLAT OF  
HIGHLAND VIEW  
ESTATES  
A.F. #9707175004

LOT 138  
PLAT OF  
HIGHLAND VIEW  
ESTATES  
A.F. #9707175004

**SURVEY DISCLAIMER**

THE TOPOGRAPHIC SURVEY WAS PERFORMED BY PACIFIC COAST SURVEYS. SOLID GROUND ENGINEERING ASSUMES NO LIABILITY AS TO THE ACCURACY AND COMPLETENESS OF THIS DATA. ANY DISCREPANCIES FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT IS NOTED IN THE FIELD SHOULD BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.

**UTILITY NOTE**

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.



SAFETY IS IN YOUR HANDS.  
EVERY DIG. EVERY TIME.

PROJECT FILE No. PWD # 3924

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

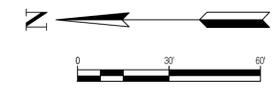
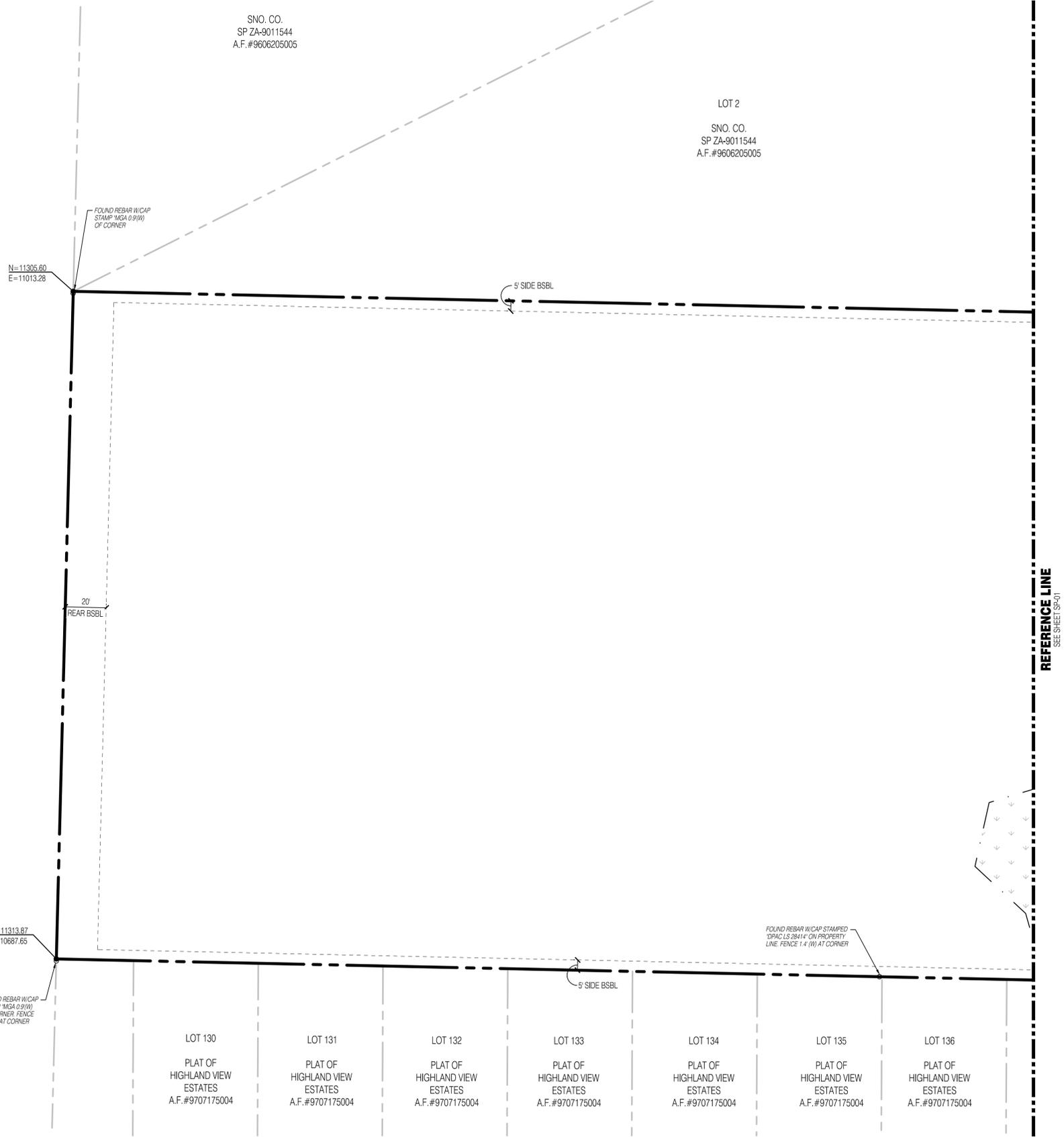
DATE: \_\_\_\_\_ THIS APPROVAL VALID FOR 18 MONTHS

C:\Users\jw\OneDrive\Documents\811\Ground Engineering\24-0055\24-0055-01.dwg 9/19/2025 12:18:34 PM

SW 1/4, SW 1/4, SEC 23, T31N, R5E, WM, ARLINGTON, WASHINGTON

SNO. CO.  
SP ZA-9011544  
A.F.#9606205005

LOT 2  
SNO. CO.  
SP ZA-9011544  
A.F.#9606205005



**LEGEND**

SYMBOLS	DESCRIPTION
•	REMOVABLE BOLLARD
•	'NO PARKING' SIGN UNLESS OTHERWISE NOTED
—	RETAINING WALL
▨	ASPHALT PAVEMENT
▨	ASPHALT GRIND AND OVERLAY
▨	CONCRETE PAVEMENT
—○—	FALL PROTECTION FENCING



ENGINEER'S STAMP

REVISIONS	
#	DATE
1	4-22-25
2	6-19-25
3	9-19-25

**Solid Ground Engineering**  
8105 166th Ave NE  
Redmond, WA 98052

**SITE PLAN**

**ATONEMENT FREE LUTHERAN CHURCH**  
**ATONEMENT CHURCH**  
**6905 172ND ST NE ARLINGTON WA.98223**

DRAWN BY:	KMV
CHECKED BY:	TPA
DATE:	1-20-25
JURISDICTION:	CITY OF ARLINGTON
JOB NUMBER:	24-0055

**SP-02**  
**7 OF 29**

**PROJECT FILE No. PWD # 3924**

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

**SURVEY DISCLAIMER**

THE TOPOGRAPHIC SURVEY WAS PERFORMED BY PACIFIC COAST SURVEYS. SOLID GROUND ENGINEERING ASSUMES NO LIABILITY AS TO THE ACCURACY AND COMPLETENESS OF THIS DATA. ANY DISCREPANCIES FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT IS NOTED IN THE FIELD SHOULD BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.

**UTILITY NOTE**

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.



SAFETY IS IN YOUR HANDS.  
EVERY DIG. EVERY TIME.



ENGINEER'S STAMP

**ADA RAMP NOTES**

1. MINIMUM 4'x4' LANDING NOT TO EXCEED 2% RUNNING OR CROSS SLOPE.
2. ALL SIDEWALK RAMP SHALL NOT EXCEED 8.33% WITH 2% MAX CROSS SLOPE.
3. ALL SIDEWALKS CROSS SLOPE TO BE 1.75% ± 0.25%.
4. ALL CURB ELEVATION AT FLOWLINE UNLESS OTHERWISE NOTED.

5. GB: GRADE BREAK
- LP: LOW POINT
- HP: HIGH POINT
- TC: TOP OF CURB
- BC: BOTTOM OF CURB
- MG: MATCH EXISTING GRADE
- FC: FLUSH CURB

**ROAD AND GRADING NOTES**

1. ALL DISTURBED PERVIOUS AREAS TO BE UNDERLAIN WITH BMP T5.13 SOILS.
2. ALL OVERHEAD UTILITIES ARE TO BE PLACED UNDERGROUND.
3. ALL WALLS OVER 48" REQUIRE A SEPARATE BUILDING PERMIT.
4. ALL WALLS OVER 30" REQUIRE FALL PROTECTION FENCING.
5. ALL WALLS TO BE 2' OR LESS AT TERMINATION.
6. ALL TRENCHES IN ROADWAY AREAS SHALL BE BACKFILLED AND PATCHED WITH TEMPORARY ASPHALT AT THE END OF EACH WORK DAY, UNLESS PERMISSION IS GRANTED TO DO OTHERWISE BY THE CITY ENGINEER PER COA STD DETAIL R-140.
7. ALL TEMPORARY PATCHES ON TRENCHES SHALL BE PERMANENTLY PATCHED WITHIN 2 WEEKS OF COMPLETION OF WORK WITHIN THE ROADWAY AREA PER COA STD DETAIL R-140.

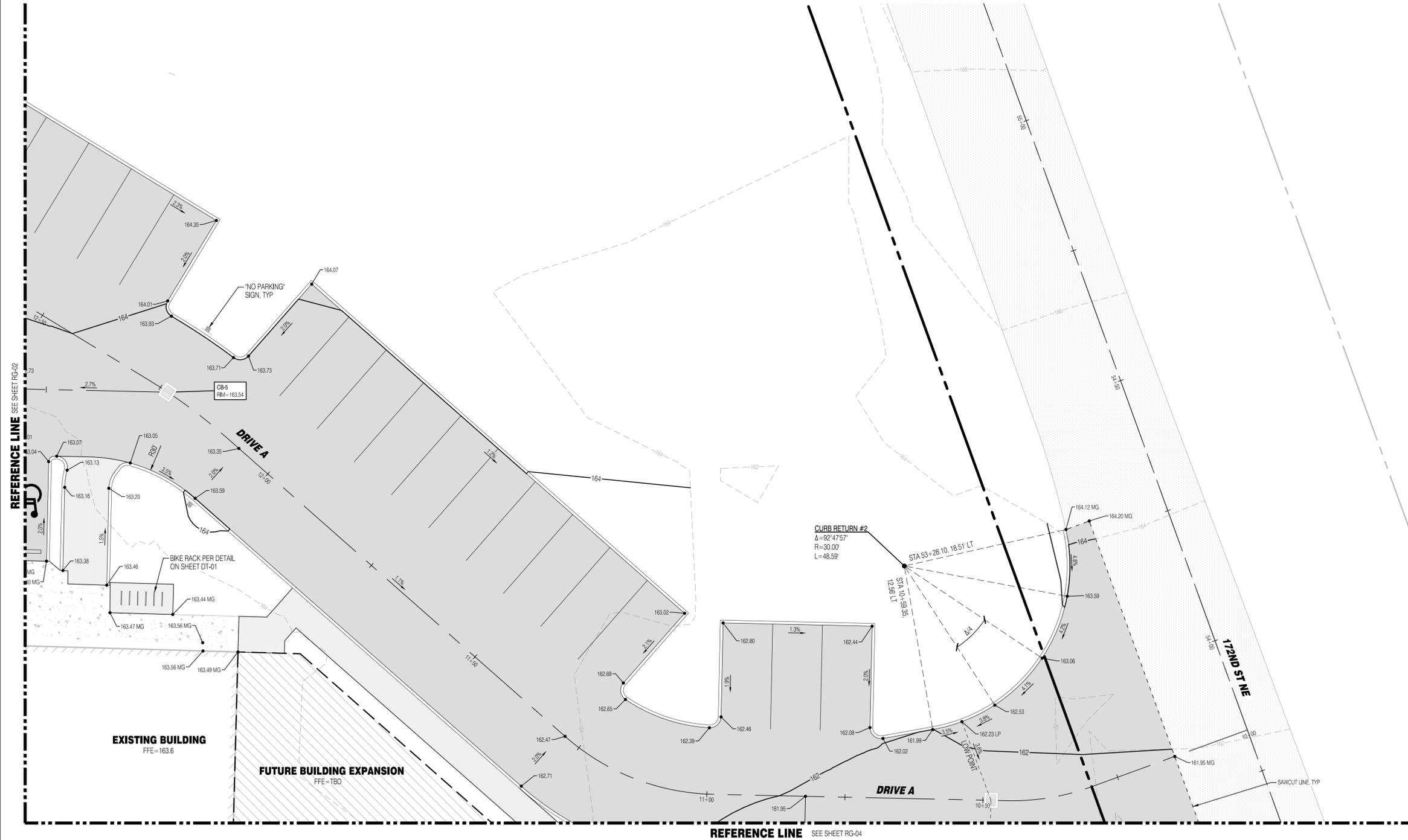
REVISIONS

#	DATE	DESCRIPTION
1	4-22-25	REVISED PER CITY COMMENTS
2	6-19-25	REVISED PER 2ND CITY COMMENTS
3	9-19-25	REVISED PER CITY CIVIL COMMENTS

**Solid Ground Engineering**  
8105 166th Ave NE  
Redmond, WA 98052

**ROAD AND GRADING PLAN**

**ATONEMENT FREE LUTHERAN CHURCH**  
**ATONEMENT CHURCH**  
**6905 172ND ST NE ARLINGTON WA.98223**



REFERENCE LINE SEE SHEET RG-04

**SURVEY DISCLAIMER**

THE TOPOGRAPHIC SURVEY WAS PERFORMED BY PACIFIC COAST SURVEYS. SOLID GROUND ENGINEERING ASSUMES NO LIABILITY AS TO THE ACCURACY AND COMPLETENESS OF THIS DATA. ANY DISCREPANCIES FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT IS NOTED IN THE FIELD SHOULD BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.

**UTILITY NOTE**

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.



SAFETY IS IN YOUR HANDS. EVERY DIG. EVERY TIME.

PROJECT FILE No. PWD # 3924

CITY OF ARLINGTON  
CONSTRUCTION DRAWING REVIEW APPROVAL

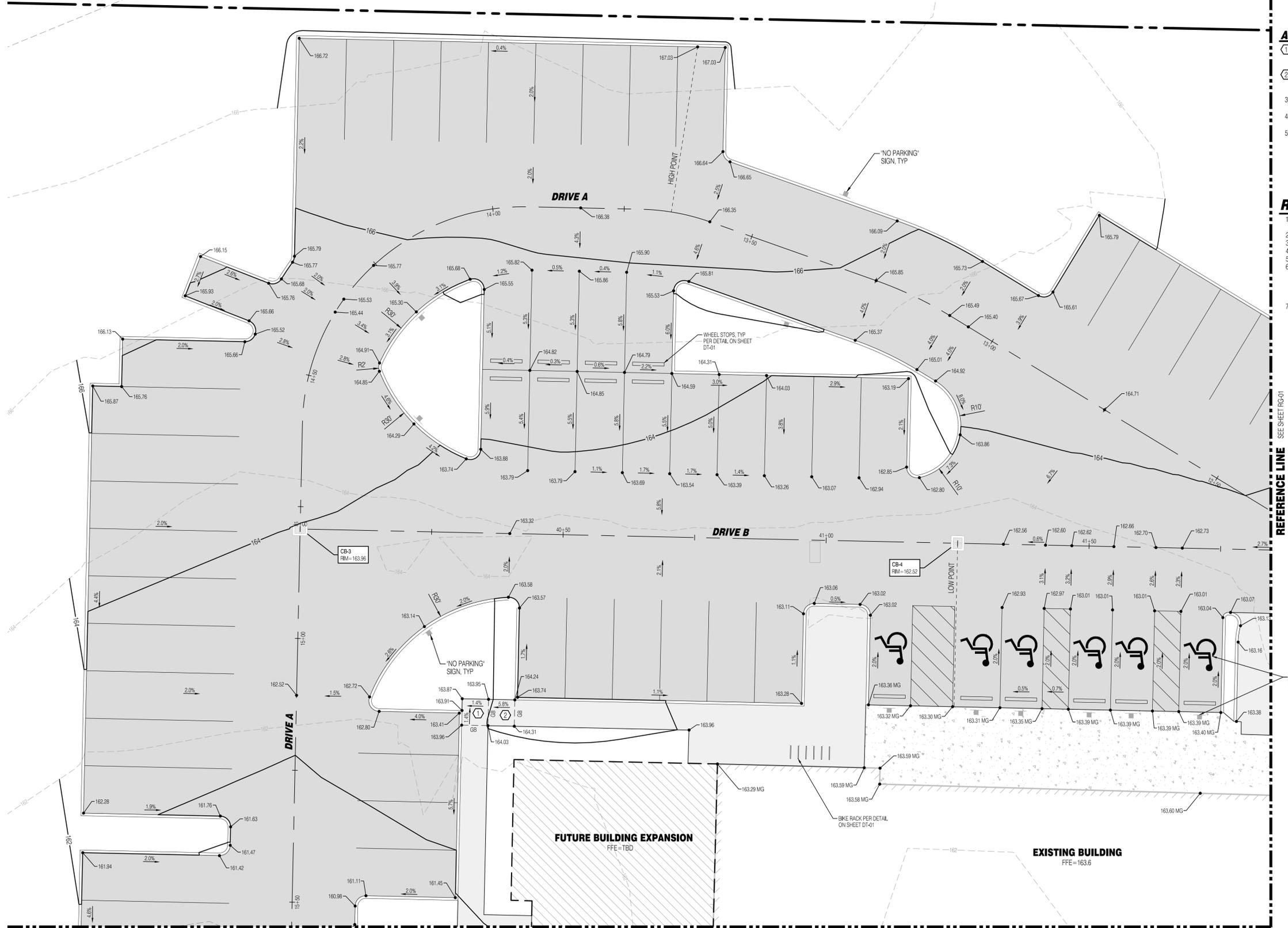
THIS PLAN SHEET HAS BEEN REVIEWED AND APPROVED PER THE CONDITIONS ON THE TITLE SHEET.

BY: \_\_\_\_\_  
DEVELOPMENT SERVICES MANAGER

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

DRAWN BY:	KMV
CHECKED BY:	TPA
DATE:	1-20-25
JURISDICTION:	CITY OF ARLINGTON
JOB NUMBER:	24-0055

**RG-01**  
**8 OF 29**



**ADA RAMP NOTES**

1. MINIMUM 4x4 LANDING NOT TO EXCEED 2% RUNNING OR CROSS SLOPE.
2. ALL SIDEWALK RAMP SHALL NOT EXCEED 8.33% WITH 2% MAX CROSS SLOPE.
3. ALL SIDEWALKS CROSS SLOPE TO BE 1.75% ± 0.25%.
4. ALL CURB ELEVATION AT FLOWLINE UNLESS OTHERWISE NOTED.
5. GB: GRADE BREAK  
LP: LOW POINT  
HP: HIGH POINT  
TC: TOP OF CURB  
BC: BOTTOM OF CURB  
MG: MATCH EXISTING GRADE  
FC: FLUSH CURB

**ROAD AND GRADING NOTES**

1. ALL DISTURBED PERVIOUS AREAS TO BE UNDERLAIN WITH BMP T5.13 SOILS.
2. ALL OVERHEAD UTILITIES ARE TO BE PLACED UNDERGROUND.
3. ALL WALLS OVER 48" REQUIRE A SEPARATE BUILDING PERMIT.
4. ALL WALLS OVER 30" REQUIRE FALL PROTECTION FENCING.
5. ALL WALLS TO BE 2' OR LESS AT TERMINATION.
6. ALL TRENCHES IN ROADWAY AREAS SHALL BE BACKFILLED AND PATCHED WITH TEMPORARY ASPHALT AT THE END OF EACH WORK DAY, UNLESS PERMISSION IS GRANTED TO DO OTHERWISE BY THE CITY ENGINEER PER COA STD DETAIL R-140.
7. ALL TEMPORARY PATCHES ON TRENCHES SHALL BE PERMANENTLY PATCHED WITHIN 2 WEEKS OF COMPLETION OF WORK WITHIN THE ROADWAY AREA PER COA STD DETAIL R-140.



ENGINEER'S STAMP

#	DATE	DESCRIPTION
1	4-22-25	REVISED PER CITY COMMENTS
2	6-19-25	REVISED PER 2ND CITY COMMENTS
3	9-19-25	REVISED PER CITY CIVIL COMMENTS

**EGE**  
Solid Ground Engineering  
8105 166th Ave NE  
Redmond, WA 98052

**ROAD AND GRADING PLAN**

**ATONEMENT FREE LUTHERAN CHURCH**  
**ATONEMENT CHURCH**  
6905 172ND ST NE ARLINGTON WA.98223

DRAWN BY:	KMV
CHECKED BY:	TPA
DATE:	1-20-25
JURISDICTION:	CITY OF ARLINGTON
JOB NUMBER:	24-0055

**RG-02**  
**9 OF 29**

REFERENCE LINE SEE SHEET RG-03

REFERENCE LINE SEE SHEET RG-01

**SURVEY DISCLAIMER**

THE TOPOGRAPHIC SURVEY WAS PERFORMED BY PACIFIC COAST SURVEYS. SOLID GROUND ENGINEERING ASSUMES NO LIABILITY AS TO THE ACCURACY AND COMPLETENESS OF THIS DATA. ANY DISCREPANCIES FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT IS NOTED IN THE FIELD SHOULD BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.

**UTILITY NOTE**

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.



PROJECT FILE No. PWD # 3924

CITY OF ARLINGTON  
CONSTRUCTION DRAWING REVIEW APPROVAL

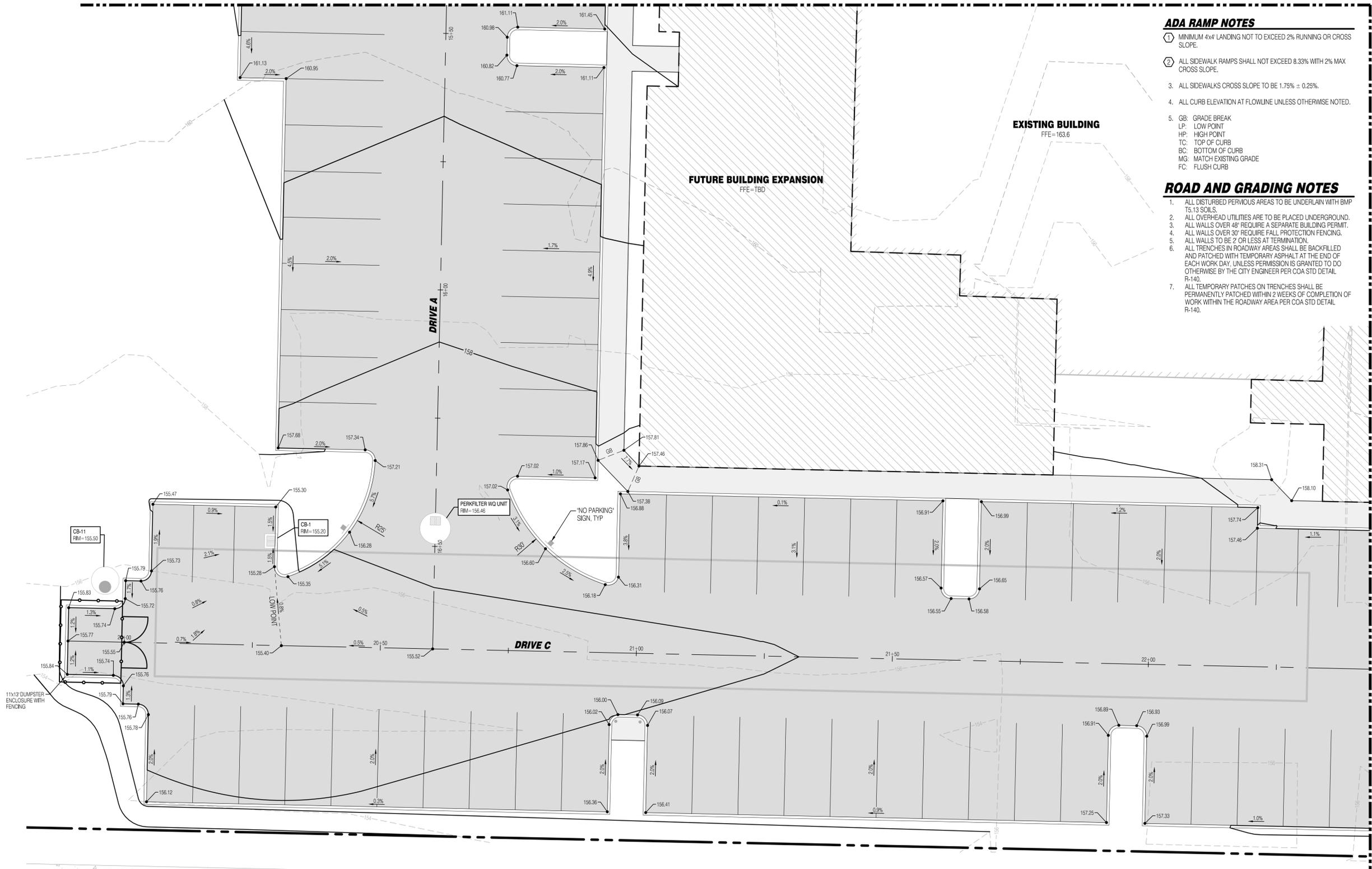
THIS PLAN SHEET HAS BEEN REVIEWED AND APPROVED PER THE CONDITIONS ON THE TITLE SHEET.

BY: \_\_\_\_\_  
DEVELOPMENT SERVICES MANAGER

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



REFERENCE LINE SEE SHEET RG-02

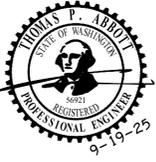


**ADA RAMP NOTES**

1. MINIMUM 4'x4' LANDING NOT TO EXCEED 2% RUNNING OR CROSS SLOPE.
2. ALL SIDEWALK RAMPS SHALL NOT EXCEED 8.33% WITH 2% MAX CROSS SLOPE.
3. ALL SIDEWALKS CROSS SLOPE TO BE 1.75% ± 0.25%.
4. ALL CURB ELEVATION AT FLOWLINE UNLESS OTHERWISE NOTED.
5. GB: GRADE BREAK  
LP: LOW POINT  
HP: HIGH POINT  
TC: TOP OF CURB  
BC: BOTTOM OF CURB  
MG: MATCH EXISTING GRADE  
FC: FLUSH CURB

**ROAD AND GRADING NOTES**

1. ALL DISTURBED PERVIOUS AREAS TO BE UNDERLAIN WITH BMP T5.13 SOILS.
2. ALL OVERHEAD UTILITIES ARE TO BE PLACED UNDERGROUND.
3. ALL WALLS OVER 48" REQUIRE A SEPARATE BUILDING PERMIT.
4. ALL WALLS OVER 30" REQUIRE FALL PROTECTION FENCING.
5. ALL WALLS TO BE 2' OR LESS AT TERMINATION.
6. ALL TRENCHES IN ROADWAY AREAS SHALL BE BACKFILLED AND PATCHED WITH TEMPORARY ASPHALT AT THE END OF EACH WORK DAY, UNLESS PERMISSION IS GRANTED TO DO OTHERWISE BY THE CITY ENGINEER PER COA STD DETAIL R-140.
7. ALL TEMPORARY PATCHES ON TRENCHES SHALL BE PERMANENTLY PATCHED WITHIN 2 WEEKS OF COMPLETION OF WORK WITHIN THE ROADWAY AREA PER COA STD DETAIL R-140.



ENGINEER'S STAMP

#	DATE	DESCRIPTION
1	4-22-25	REVISED PER CITY COMMENTS
2	6-19-25	REVISED PER 2ND CITY COMMENTS
3	9-19-25	REVISED PER CITY CIVIL COMMENTS

**Solid Ground Engineering**  
8105 166th Ave NE  
Redmond, WA 98052

**ROAD AND GRADING PLAN**

**ATONEMENT FREE LUTHERAN CHURCH**  
**ATONEMENT CHURCH**  
**6905 172ND ST NE ARLINGTON WA.98223**

DRAWN BY:	KMV
CHECKED BY:	TPA
DATE:	1-20-25
JURISDICTION:	CITY OF ARLINGTON
JOB NUMBER:	24-0055

**RG-03**  
**10 OF 29**

PROJECT FILE No. PWD # 3924

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

**SURVEY DISCLAIMER**

THE TOPOGRAPHIC SURVEY WAS PERFORMED BY PACIFIC COAST SURVEYS. SOLID GROUND ENGINEERING ASSUMES NO LIABILITY AS TO THE ACCURACY AND COMPLETENESS OF THIS DATA. ANY DISCREPANCIES FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT IS NOTED IN THE FIELD SHOULD BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.

**UTILITY NOTE**

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.



SAFETY IS IN YOUR HANDS.  
EVERY DIG. EVERY TIME.

C:\Users\jw\OneDrive\Documents\Projects\24-0055\24-0055-001.dwg 2/19/2025 12:08:47 PM

SW 1/4, SW 1/4, SEC 23, T31N, R5E, WM, ARLINGTON, WASHINGTON



ENGINEER'S STAMP

**ADA RAMP NOTES**

- MINIMUM 4x4 LANDING NOT TO EXCEED 2% RUNNING OR CROSS SLOPE.
- ALL SIDEWALK RAMP SHALL NOT EXCEED 8.33% WITH 2% MAX CROSS SLOPE.
- ALL SIDEWALKS CROSS SLOPE TO BE 1.75% ± 0.25%.
- ALL CURB ELEVATION AT FLOWLINE UNLESS OTHERWISE NOTED.

- GB: GRADE BREAK
- LP: LOW POINT
- HP: HIGH POINT
- TC: TOP OF CURB
- BC: BOTTOM OF CURB
- MG: MATCH EXISTING GRADE
- FC: FLUSH CURB

**ROAD AND GRADING NOTES**

- ALL DISTURBED PERVIOUS AREAS TO BE UNDERLAIN WITH BMP T5.13 SOILS.
- ALL OVERHEAD UTILITIES ARE TO BE PLACED UNDERGROUND.
- ALL WALLS OVER 48" REQUIRE A SEPARATE BUILDING PERMIT.
- ALL WALLS OVER 30" REQUIRE FALL PROTECTION FENCING.
- ALL WALLS TO BE 2' OR LESS AT TERMINATION.
- ALL TRENCHES IN ROADWAY AREAS SHALL BE BACKFILLED AND PATCHED WITH TEMPORARY ASPHALT AT THE END OF EACH WORK DAY, UNLESS PERMISSION IS GRANTED TO DO OTHERWISE BY THE CITY ENGINEER PER COA STD DETAIL R-140.
- ALL TEMPORARY PATCHES ON TRENCHES SHALL BE PERMANENTLY PATCHED WITHIN 2 WEEKS OF COMPLETION OF WORK WITHIN THE ROADWAY AREA PER COA STD DETAIL R-140.

REVISIONS

#	DATE	DESCRIPTION	REVISION PER CITY COMMENTS	REVISION PER 2ND CITY COMMENTS	REVISION PER CITY CIVIL COMMENTS
1	4-22-25				
2	6-19-25				
3	9-19-25				

**ROAD AND GRADING PLAN**

**ATONEMENT FREE LUTHERAN CHURCH**  
**ATONEMENT CHURCH**  
 6905 172ND ST NE ARLINGTON WA.98223

DRAWN BY:	KMV
CHECKED BY:	TPA
DATE:	1-20-25
JURISDICTION:	CITY OF ARLINGTON
JOB NUMBER:	24-0055

**RG-04**  
**11 OF 29**



**SURVEY DISCLAIMER**

THE TOPOGRAPHIC SURVEY WAS PERFORMED BY PACIFIC COAST SURVEYS. SOLID GROUND ENGINEERING ASSUMES NO LIABILITY AS TO THE ACCURACY AND COMPLETENESS OF THIS DATA. ANY DISCREPANCIES FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT IS NOTED IN THE FIELD SHOULD BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.

**UTILITY NOTE**

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.



**PROJECT FILE No. PWD # 3924**

CITY OF ARLINGTON  
 CONSTRUCTION DRAWING REVIEW APPROVAL

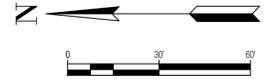
THIS PLAN SHEET HAS BEEN REVIEWED AND APPROVED PER THE CONDITIONS ON THE TITLE SHEET.

BY: \_\_\_\_\_  
 DEVELOPMENT SERVICES MANAGER

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

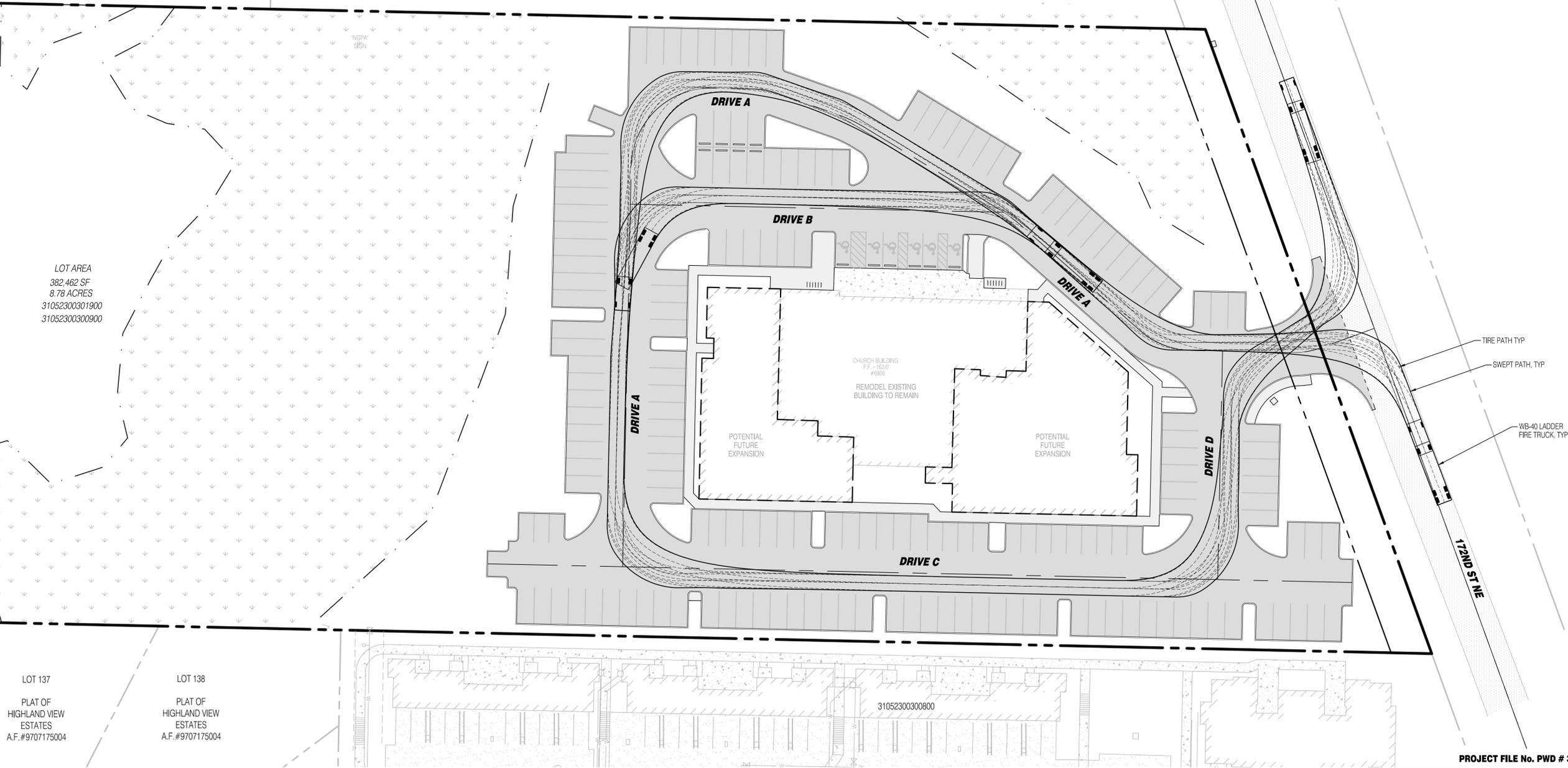
C:\Users\jw\OneDrive\Documents\Projects\24-0055-0001\Drawings\24-0055-0001.dwg 2/19/2025 12:08:43 PM

SW 1/4, SW 1/4, SEC 23, T31N, R5E, WM, ARLINGTON, WASHINGTON



LOT 1  
SNO. CO.  
SP ZA-9011544  
A.F.#9606205005

LOT AREA  
382,462 SF  
8.78 ACRES  
31052300301900  
31052300300900



LOT 137  
PLAT OF  
HIGHLAND VIEW  
ESTATES  
A.F.#9707175004

LOT 138  
PLAT OF  
HIGHLAND VIEW  
ESTATES  
A.F.#9707175004

31052300300800

PROJECT FILE No. PWD # 3924

**SURVEY DISCLAIMER**

THE TOPOGRAPHIC SURVEY WAS PERFORMED BY PACIFIC COAST SURVEYS. SOLID GROUND ENGINEERING ASSUMES NO LIABILITY AS TO THE ACCURACY AND COMPLETENESS OF THIS DATA. ANY DISCREPANCIES FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT IS NOTED IN THE FIELD SHOULD BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.

**UTILITY NOTE**

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.



SAFETY IS IN YOUR HANDS.  
EVERY DIG. EVERY TIME.

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



ENGINEER'S STAMP

REVISIONS

#	DATE	DESCRIPTION
1	4-22-25	REVISED PER CITY COMMENTS
2	6-19-25	REVISED PER 2ND CITY COMMENTS
3	9-19-25	REVISED PER CITY CIVIL COMMENTS

**VEHICLE TRACKING**

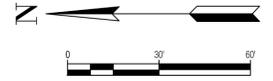
**ATONEMENT FREE LUTHERAN CHURCH**  
**ATONEMENT CHURCH**  
**6905 172ND ST NE ARLINGTON WA.98223**

DRAWN BY: KMV  
CHECKED BY: TPA  
DATE: 1-20-25  
JURISDICTION: CITY OF ARLINGTON  
JOB NUMBER: 24-0055

**VT-01**  
**12 OF 29**

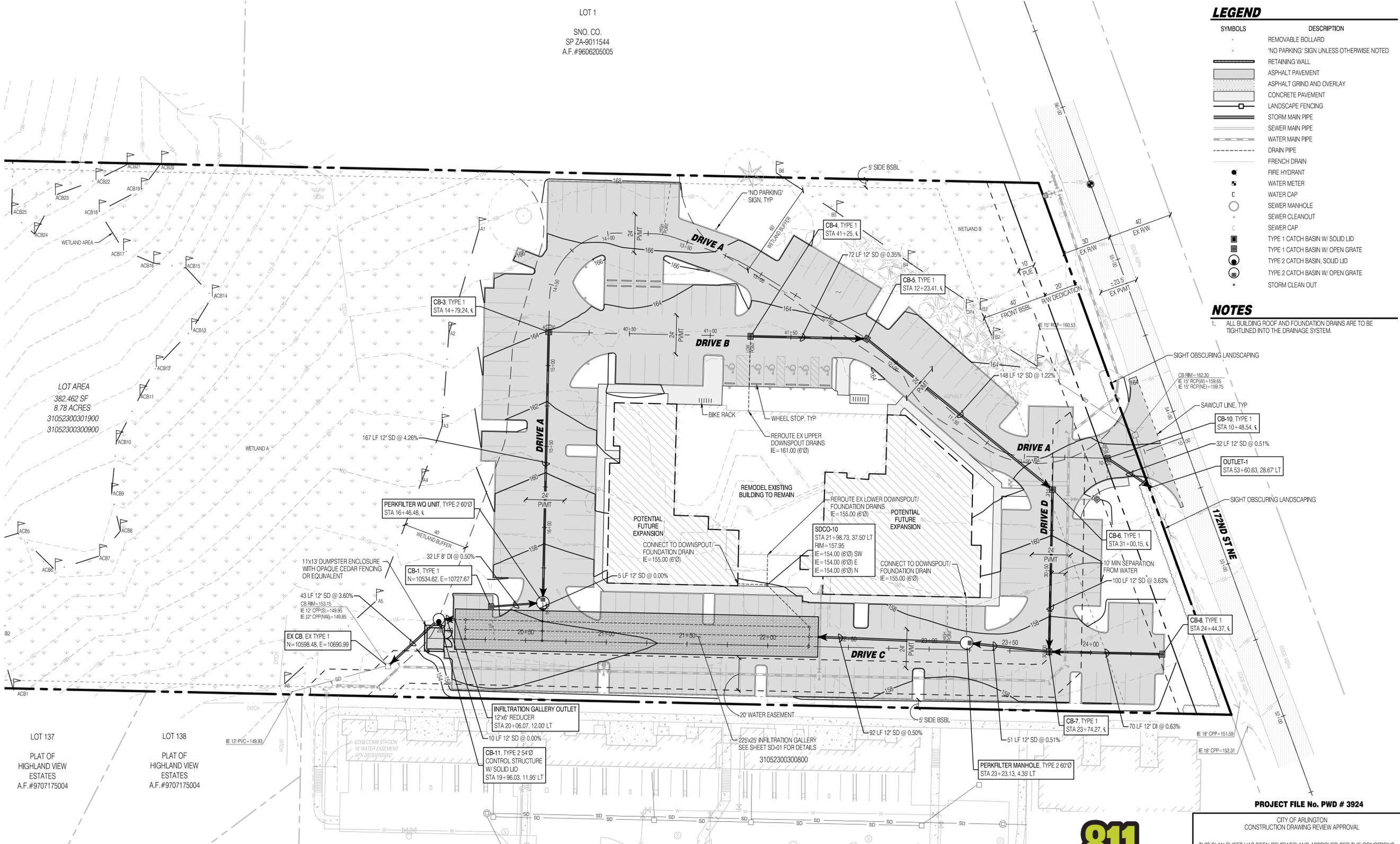
C:\Users\paw\OneDrive\Documents\Ground Engineering\24-0055\24-0055-CP-1.dwg 9/19/2025 12:52:29 PM

SW 1/4, SW 1/4, SEC 23, T31N, R5E, WM, ARLINGTON, WASHINGTON



LOT 1

SNO. CO.  
SP ZA-9011544  
A.F.#9606205005



**LEGEND**

SYMBOLS	DESCRIPTION
(Symbol)	REMOVABLE BOLLARD
(Symbol)	'NO PARKING' SIGN UNLESS OTHERWISE NOTED
(Symbol)	RETAINING WALL
(Symbol)	ASPHALT PAVEMENT
(Symbol)	ASPHALT GRIND AND OVERLAY
(Symbol)	CONCRETE PAVEMENT
(Symbol)	LANDSCAPE FENCING
(Symbol)	STORM MAIN PIPE
(Symbol)	SEWER MAIN PIPE
(Symbol)	WATER MAIN PIPE
(Symbol)	DRAIN PIPE
(Symbol)	FRENCH DRAIN
(Symbol)	FIRE HYDRANT
(Symbol)	WATER METER
(Symbol)	WATER CAP
(Symbol)	SEWER MANHOLE
(Symbol)	SEWER CLEANOUT
(Symbol)	SEWER CAP
(Symbol)	TYPE 1 CATCH BASIN W/ SOLID LID
(Symbol)	TYPE 1 CATCH BASIN W/ OPEN GRATE
(Symbol)	TYPE 2 CATCH BASIN, SOLID LID
(Symbol)	TYPE 2 CATCH BASIN W/ OPEN GRATE
(Symbol)	STORM CLEAN OUT

**NOTES**

1. ALL BUILDING ROOF AND FOUNDATION DRAINS ARE TO BE TIGHTLINED INTO THE DRAINAGE SYSTEM.



ENGINEER'S STAMP

REVISIONS				
#	DATE	DESCRIPTION	REVISOR	REVIEWER
1	4-22-25	REVISED PER CITY COMMENTS		
2	6-19-25	REVISED PER 2ND CITY COMMENTS		
3	9-19-25	REVISED PER CITY CIVIL COMMENTS		

**EGE**  
Solid Ground Engineering  
8105 166th Ave NE  
Redmond, WA 98052

**STORM DRAINAGE PLAN**

**ATONEMENT FREE LUTHERAN CHURCH**  
**ATONEMENT CHURCH**  
6905 172ND ST NE ARLINGTON WA.98223

DRAWN BY:	KMV
CHECKED BY:	TPA
DATE:	1-20-25
JURISDICTION:	CITY OF ARLINGTON
JOB NUMBER:	24-0055

**DR-01**  
**13 OF 29**

C:\Users\jw\OneDrive\Documents\Projects\Atonement Church\Project Files\Drawings\DWG\24-0055-SD-01.dwg 9/19/2025 12:52:27 PM

LOT 137  
PLAT OF HIGHLAND VIEW ESTATES  
A.F.#9707175004

LOT 138  
PLAT OF HIGHLAND VIEW ESTATES  
A.F.#9707175004

**SURVEY DISCLAIMER**

THE TOPOGRAPHIC SURVEY WAS PERFORMED BY PACIFIC COAST SURVEYS. SOLID GROUND ENGINEERING ASSUMES NO LIABILITY AS TO THE ACCURACY AND COMPLETENESS OF THIS DATA. ANY DISCREPANCIES FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT IS NOTED IN THE FIELD SHOULD BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.

**UTILITY NOTE**

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.



PROJECT FILE No. PWD # 3924

CITY OF ARLINGTON  
CONSTRUCTION DRAWING REVIEW APPROVAL

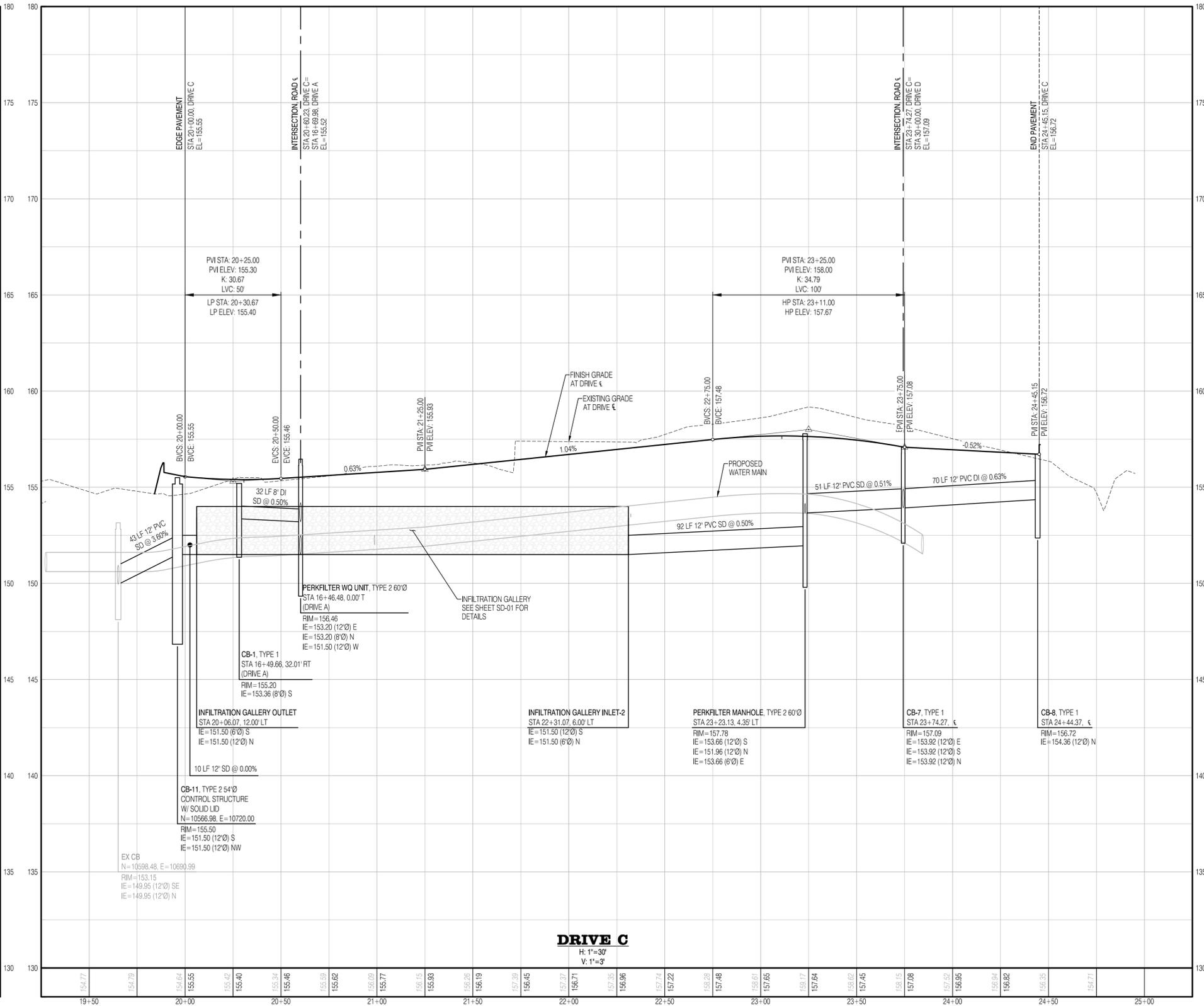
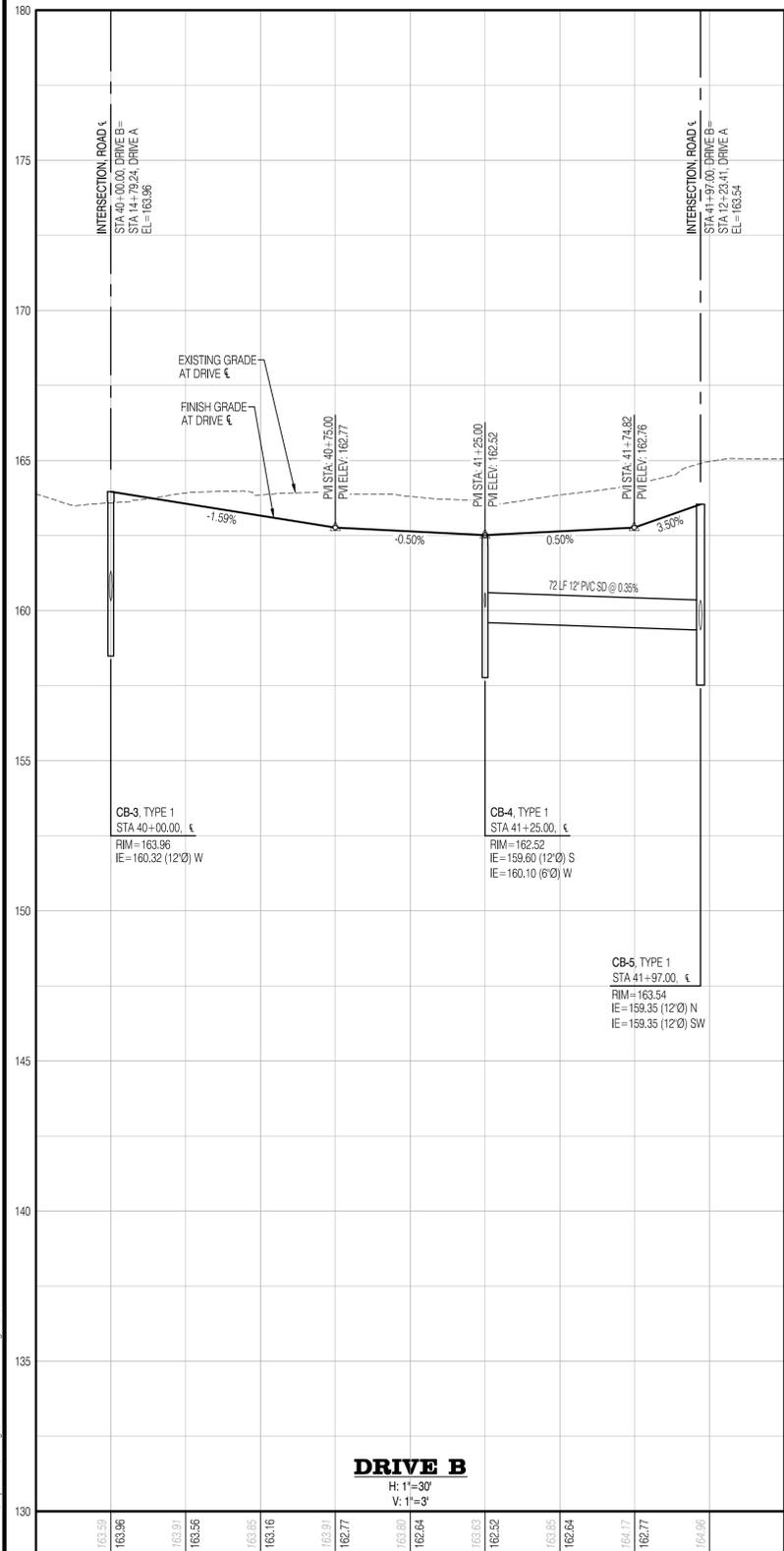
THIS PLAN SHEET HAS BEEN REVIEWED AND APPROVED PER THE CONDITIONS ON THE TITLE SHEET.

BY: \_\_\_\_\_  
DEVELOPMENT SERVICES MANAGER

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



SW 1/4, SW 1/4, SEC 23, T31N, R5E, WM, ARLINGTON, WASHINGTON



ENGINEER'S STAMP

#	DATE	DESCRIPTION
1	4-22-25	REVISED PER CITY COMMENTS
2	6-19-25	REVISED PER 2ND CITY COMMENTS
3	9-19-25	REVISED PER CITY CIVIL COMMENTS

**Solid Ground Engineering**  
8105 166th Ave NE  
Redmond, WA 98052

**ROAD AND STORM DRAINAGE PROFILES**

**ATONEMENT FREE LUTHERAN CHURCH**  
**ATONEMENT CHURCH**  
**6905 172ND ST NE ARLINGTON WA.98223**

DRAWN BY:	KMV
CHECKED BY:	TPA
DATE:	1-20-25
JURISDICTION:	CITY OF ARLINGTON
JOB NUMBER:	24-0055

**PR-02**  
**15 OF 29**

PROJECT FILE No. PWD # 3924

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

**SURVEY DISCLAIMER**

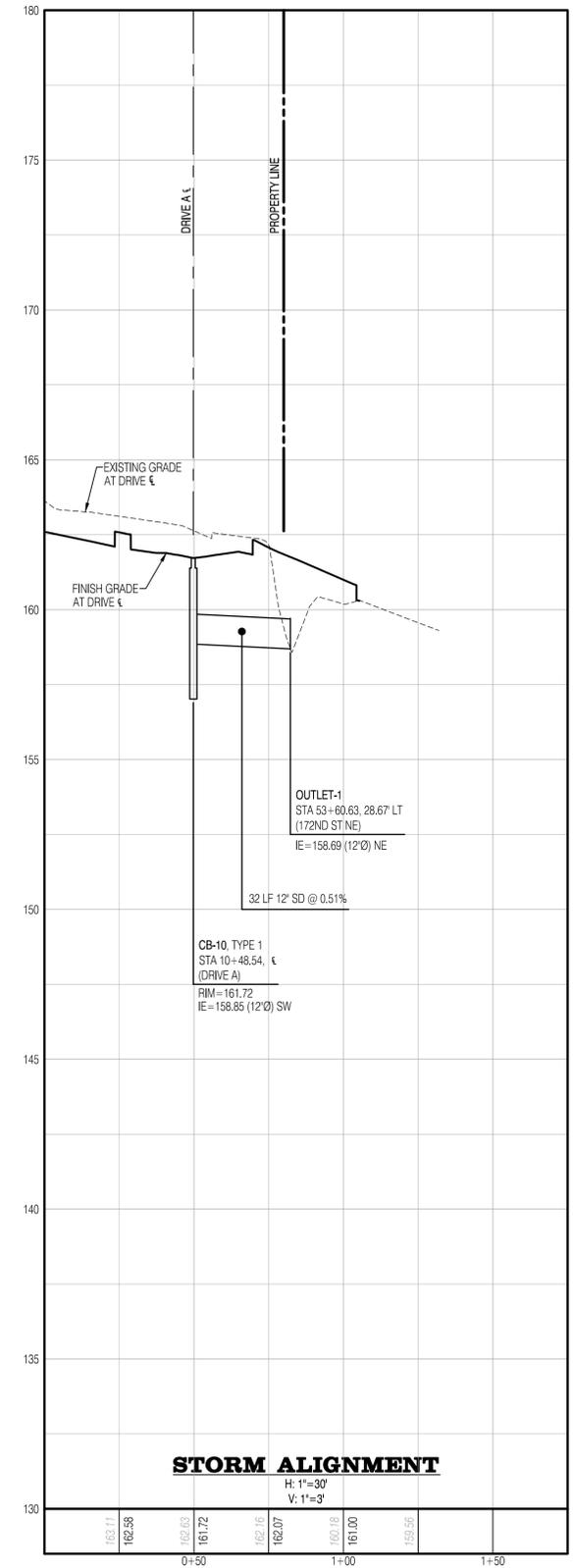
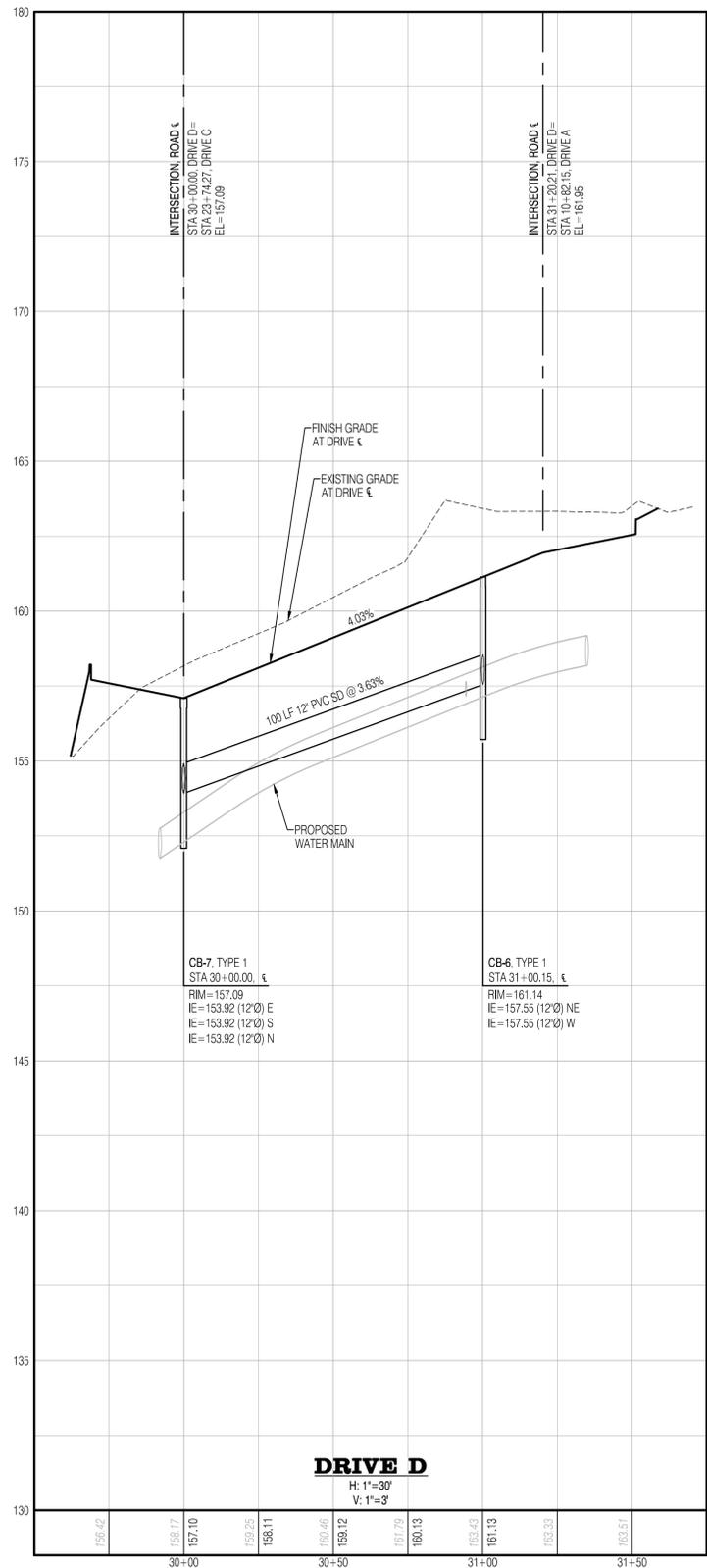
THE TOPOGRAPHIC SURVEY WAS PERFORMED BY PACIFIC COAST SURVEYS. SOLID GROUND ENGINEERING ASSUMES NO LIABILITY AS TO THE ACCURACY AND COMPLETENESS OF THIS DATA. ANY DISCREPANCIES FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT IS NOTED IN THE FIELD SHOULD BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.

**UTILITY NOTE**

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.



C:\Users\jw\OneDrive\Documents\Projects\Drawings\24-0055\24-0055-01.dwg 9/19/2025 12:52:28 PM



**SURVEY DISCLAIMER**

THE TOPOGRAPHIC SURVEY WAS PERFORMED BY PACIFIC COAST SURVEYS. SOLID GROUND ENGINEERING ASSUMES NO LIABILITY AS TO THE ACCURACY AND COMPLETENESS OF THIS DATA. ANY DISCREPANCIES FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT IS NOTED IN THE FIELD SHOULD BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.

**UTILITY NOTE**

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.



SAFETY IS IN YOUR HANDS. EVERY DIG. EVERY TIME.

PROJECT FILE No. PWD # 3924  
 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



ENGINEER'S STAMP

#	DATE	DESCRIPTION
1	4-22-25	REVISED PER CITY COMMENTS
2	6-19-25	REVISED PER 2ND CITY COMMENTS
3	9-19-25	REVISED PER CITY CIVIL COMMENTS

**Solid Ground Engineering**  
 8105 166th Ave NE  
 Redmond, WA 98052

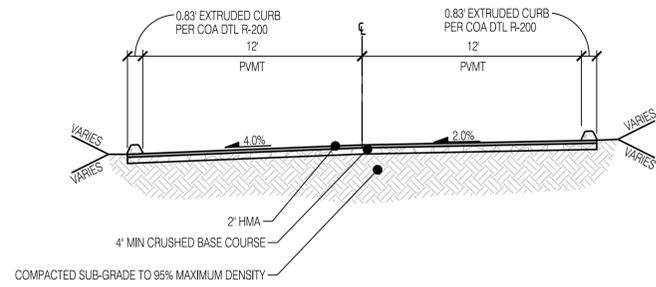
**ROAD AND STORM DRAINAGE PROFILES**

**ATONEMENT FREE LUTHERAN CHURCH**  
**ATONEMENT CHURCH**  
 6905 172ND ST NE ARLINGTON WA.98223

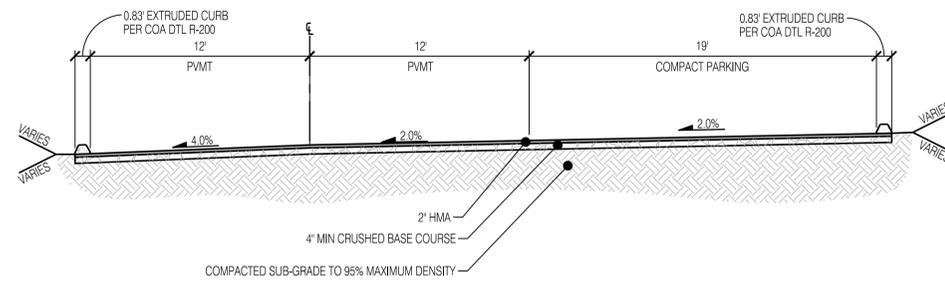
DRAWN BY:	KMV
CHECKED BY:	TPA
DATE:	1-20-25
JURISDICTION:	CITY OF ARLINGTON
JOB NUMBER:	24-0055

**PR-03**  
**16 OF 29**

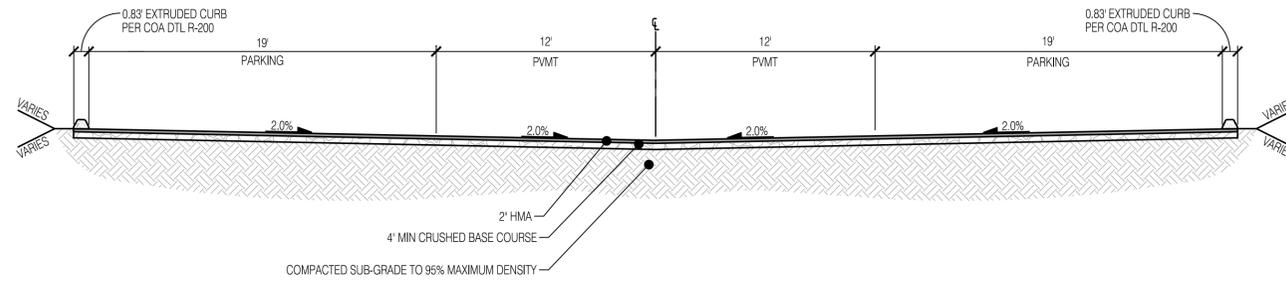
SW 1/4, SW 1/4, SEC 23, T31N, R5E, WM, ARLINGTON, WASHINGTON



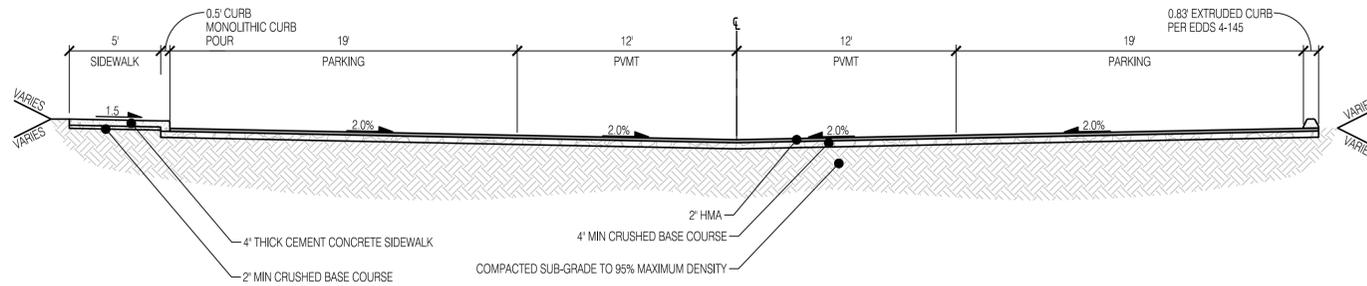
**DRIVE A SECTION  
STA 13+00 - STA 13+58**  
SCALE: 1"=5'



**DRIVE A SECTION  
STA 13+58 - STA 14+35**  
SCALE: 1"=5'



**24' STANDARD DRIVE SECTION**  
SCALE: 1"=5'



**24' STANDARD DRIVE SECTION W/ SIDEWALK**  
SCALE: 1"=5'



ENGINEER'S STAMP

#	DATE	DESCRIPTION
1	4-22-25	REVISED PER CITY COMMENTS
2	6-19-25	REVISED PER 2ND CITY COMMENTS
3	9-19-25	REVISED PER CITY CIVIL COMMENTS

**Solid Ground Engineering**  
8105 166th Ave NE  
Redmond, WA 98052

**ROAD SECTIONS**

**ATONEMENT FREE LUTHERAN CHURCH**  
**ATONEMENT CHURCH**  
6905 172ND ST NE ARLINGTON WA.98223

DRAWN BY:	KMV
CHECKED BY:	TPA
DATE:	1-20-25
JURISDICTION:	CITY OF ARLINGTON
JOB NUMBER:	24-0055

**PR-04**  
**17 OF 29**

PROJECT FILE No. PWD # 3924

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

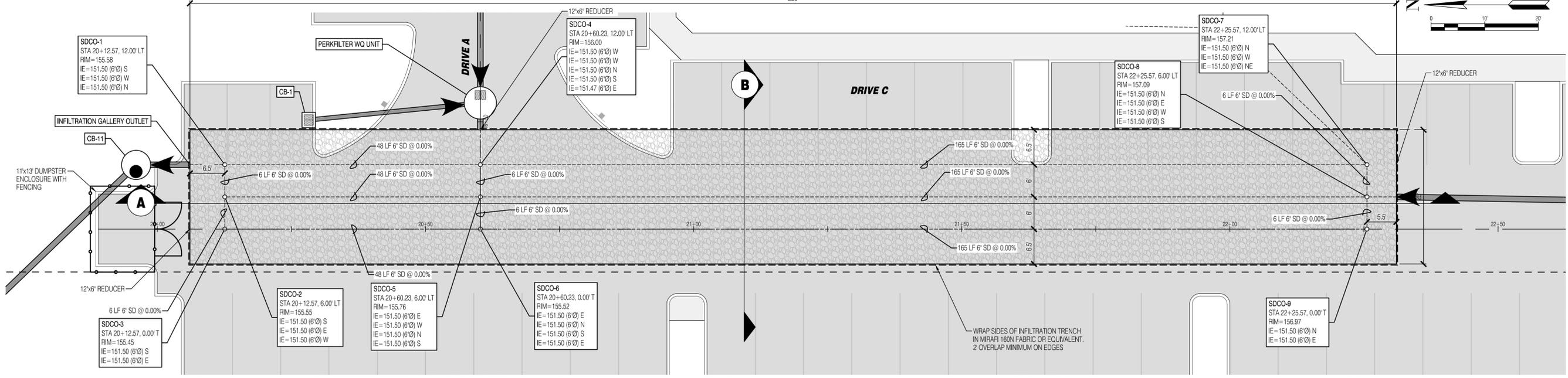


**SURVEY DISCLAIMER**

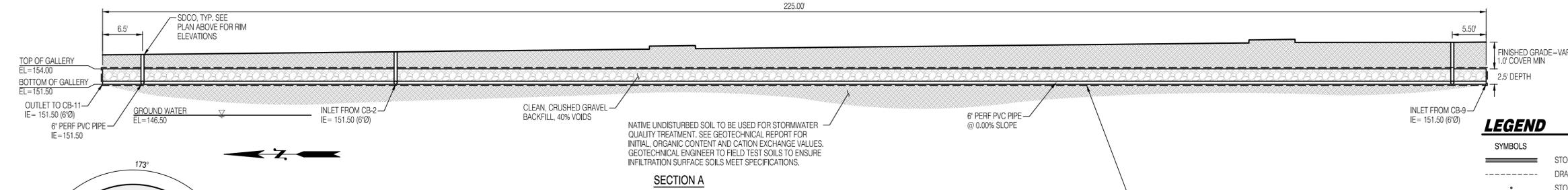
THE TOPOGRAPHIC SURVEY WAS PERFORMED BY PACIFIC COAST SURVEYS. SOLID GROUND ENGINEERING ASSUMES NO LIABILITY AS TO THE ACCURACY AND COMPLETENESS OF THIS DATA. ANY DISCREPANCIES FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT IS NOTED IN THE FIELD SHOULD BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.

**UTILITY NOTE**

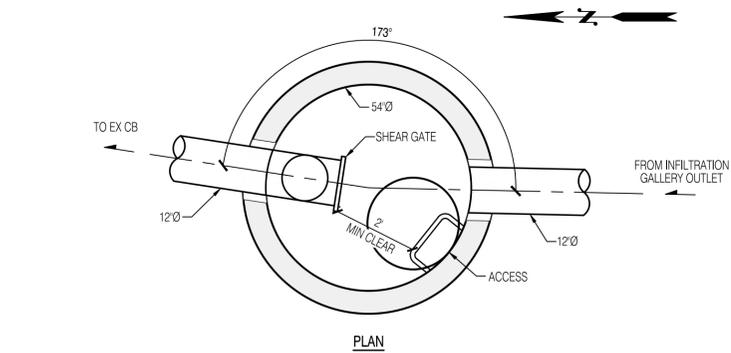
THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.



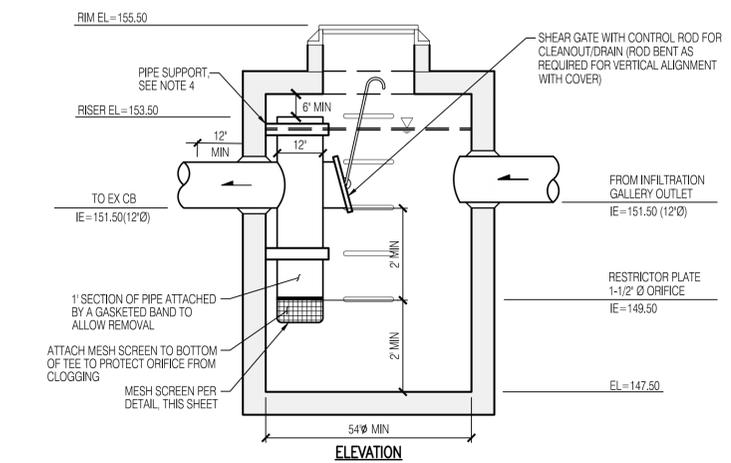
PLAN VIEW INFILTRATION GALLERY



SECTION A

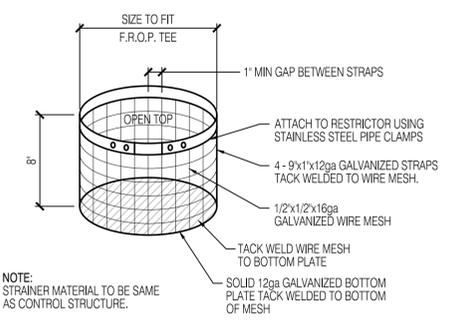


PLAN



ELEVATION

CONTROL STRUCTURE CB-11  
NOT TO SCALE



ORIFICE SCREEN DETAIL  
NOT TO SCALE

**CONTROL STRUCTURE NOTES**

- METAL PARTS: CORROSION RESISTANT. NON-GALVANIZED PARTS PREFERRED. GALVANIZED PIPE PARTS TO HAVE ASPHALT TREATMENT 1.
- FRAME AND LADDER OR STEPS OFFSET SO:
  - CLEANOUT GATE IS VISIBLE FROM TOP.
  - CLIMB-DOWN SPACE IS CLEAR OF RISER AND CLEANOUT GATE.
  - FRAME IS CLEAR OF CURB.
- IF METAL OUTLET PIPE CONNECTS TO CEMENT CONCRETE PIPE: OUTLET PIPE TO HAVE SMOOTH O.D. EQUAL TO CONCRETE PIPE I.D. LESS 1/4".
- PROVIDE AT LEAST ONE 3"x0.90 GAGE SUPPORT BRACKET ANCHORED TO CONCRETE WALL (MAXIMUM 3'-0" VERTICAL SPACING).

**SURVEY DISCLAIMER**

THE TOPOGRAPHIC SURVEY WAS PERFORMED BY PACIFIC COAST SURVEYS. SOLID GROUND ENGINEERING ASSUMES NO LIABILITY AS TO THE ACCURACY AND COMPLETENESS OF THIS DATA. ANY DISCREPANCIES FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT IS NOTED IN THE FIELD SHOULD BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.

**UTILITY NOTE**

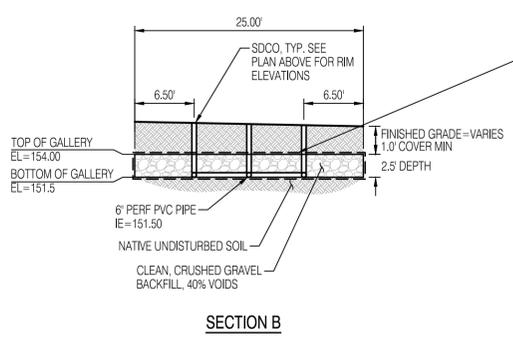
THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.

**LEGEND**

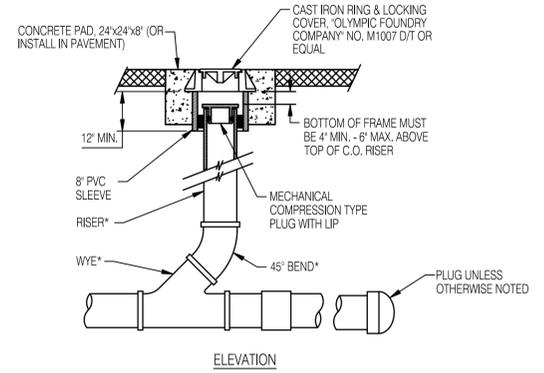
SYMBOLS	DESCRIPTION
	STORM MAIN PIPE
	DRAIN PIPE
	STORM CLEAN OUT

**NOTES**

- THIS INFILTRATION TRENCH WAS SIZED WITH AN INFILTRATE RATE OF 5.0 IN/HR. THE GEOTECHNICAL ENGINEER SHALL FIELD TEST THE INFILTRATION SURFACE TO CONFIRM INFILTRATION RATES IN THE FIELD.

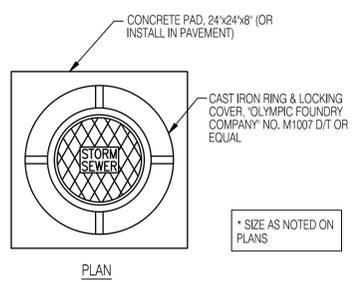


SECTION B



ELEVATION

STORM SEWER CLEAN OUT  
NOT TO SCALE



PLAN

\* SIZE AS NOTED ON PLANS



ENGINEER'S STAMP

#	DATE	DESCRIPTION
1	4-22-25	REVISED PER CITY COMMENTS
2	6-19-25	REVISED PER 2ND CITY COMMENTS
3	9-19-25	REVISED PER CITY CIVIL COMMENTS

**INFILTRATION GALLERY SECTION AND DETAILS**

**ATONEMENT FREE LUTHERAN CHURCH  
ATONEMENT CHURCH  
6905 172ND ST NE ARLINGTON WA.98223**

DRAWN BY:	KMV
CHECKED BY:	TPA
DATE:	1-20-25
JURISDICTION:	CITY OF ARLINGTON
JOB NUMBER:	24-0055

**SD-01**  
**18 OF 29**



**PROJECT FILE No. PWD # 3924**

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

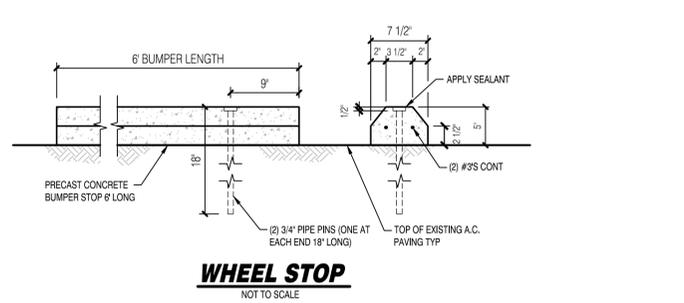
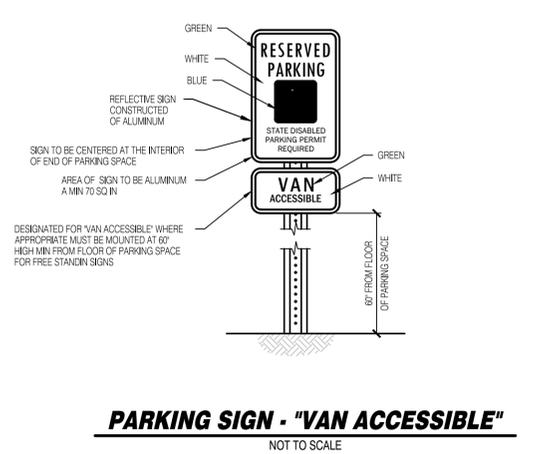
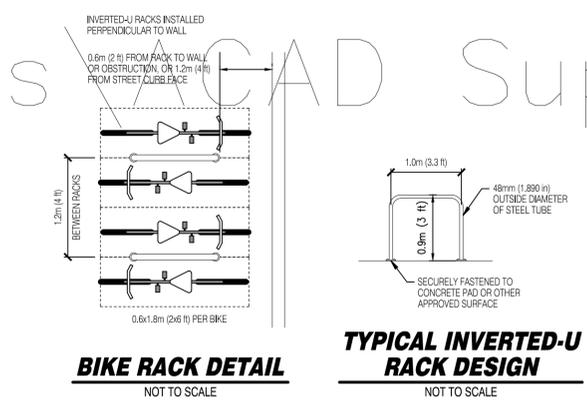
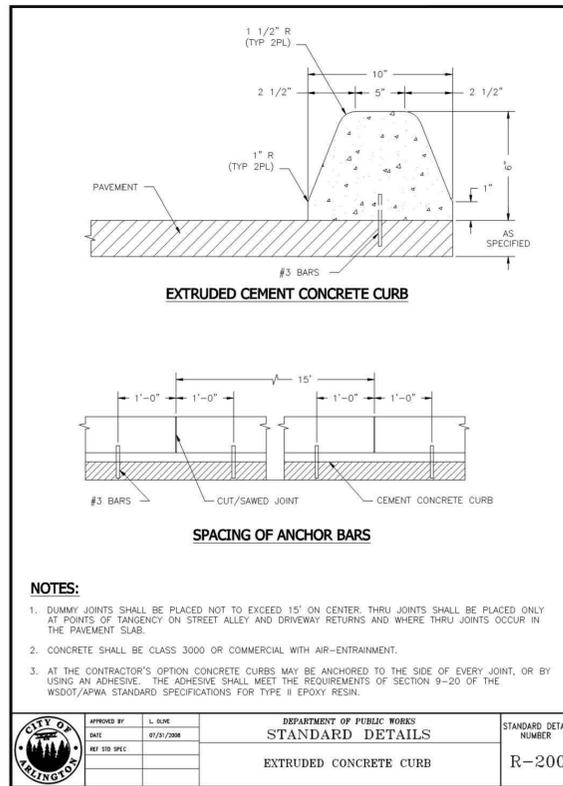
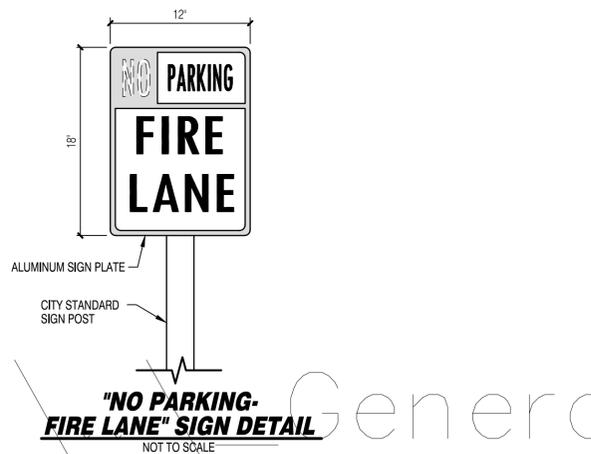
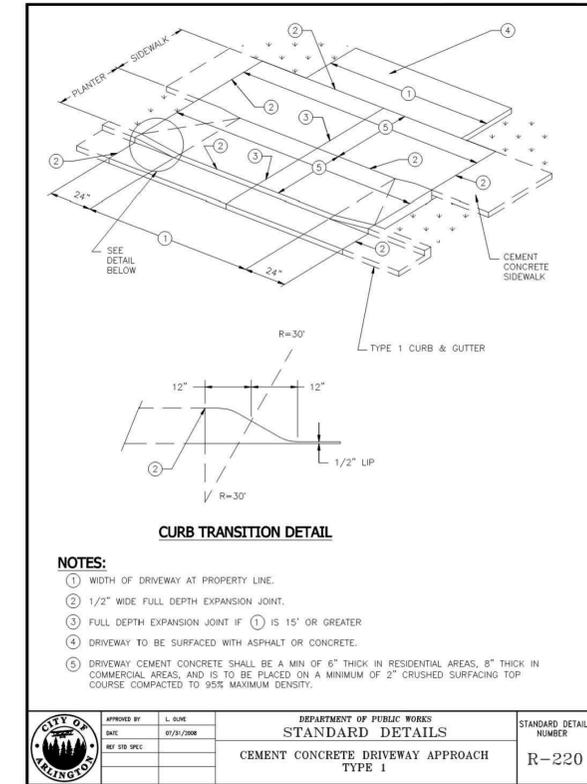
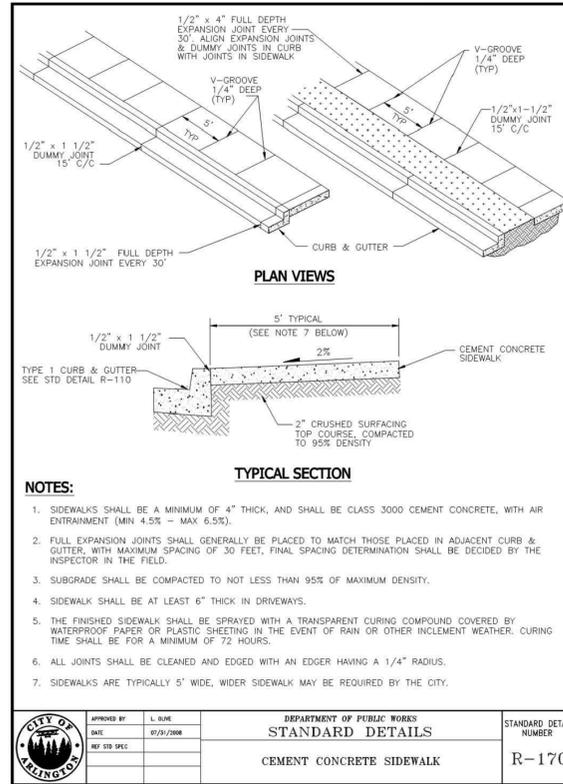
C:\Users\jw\OneDrive\Documents\Projects\24-0055\24-0055-SD-01.dwg 9/19/2025 12:58:38 PM

**CITY OF ARLINGTON GENERAL CONSTRUCTION NOTES**

- ALL WORK AND MATERIALS SHALL CONFORM TO THE CURRENT EDITION OF THE CITY OF ARLINGTON PUBLIC WORKS STANDARDS AND SPECIFICATIONS, AND THE CURRENT EDITION OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION. A COPY OF THESE DOCUMENTS SHALL BE ON SITE DURING CONSTRUCTION.
- IT IS THE SOLE RESPONSIBILITY OF THE DEVELOPER/CONTRACTOR TO OBTAIN A GRADING PERMIT, RIGHT-OF-WAY PERMIT, AND UTILITY PERMITS, FROM THE CITY. ALL REQUIRED PERMITS FROM OTHER AGENCIES MUST ALSO BE OBTAINED BY THE DEVELOPER/CONTRACTOR.
- PRIOR TO ANY CONSTRUCTION ACTIVITY, THE DEVELOPER/CONTRACTOR SHALL ATTEND A PRECONSTRUCTION CONFERENCE WITH THE CITY. THE CONTRACTOR SHALL SCHEDULE THE PRECONSTRUCTION CONFERENCE BY CALLING (360) 403-3500. PRIOR TO SCHEDULING, THE CONTRACTOR MUST SUBMIT AND RECEIVE APPROVAL FOR THE TRAFFIC CONTROL PLAN, CITY PERMITS, TEMPORARY EROSION AND SEDIMENT CONTROL PLAN, PERFORMANCE BOND, COPY OF OTHER AGENCY PERMITS, A COPY OF THE CONTRACTOR'S LICENSE, AND PROOF OF INSURANCE COVERAGE.
- A COPY OF THE APPROVED CONSTRUCTION PLANS MUST BE ON THE JOB SITE WHEN CONSTRUCTION IS IN PROGRESS.
- ALL SITE WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLANS. ANY DEVIATION FROM THE APPROVED PLANS WILL REQUIRE PRIOR APPROVAL FROM THE OWNER, THE CITY ENGINEER, AND OTHER APPROPRIATE PUBLIC AGENCIES.
- ALL OF THE LOCATIONS OF THE EXISTING UTILITIES SHOWN IN THE PLANS HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHALL THEREFORE BE CONSIDERED APPROXIMATE AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS.
- THE CONTRACTOR SHALL LOCATE AND PROTECT ALL CASTINGS AND UTILITIES DURING CONSTRUCTION AND SHALL CONTACT THE UNDERGROUND UTILITIES LOCATE SERVICE (1-800-424-5555 OR 811) AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
- INSPECTION AND ACCEPTANCE OF ALL WORK WILL BE ACCOMPLISHED BY REPRESENTATIVES OF THE CITY OF ARLINGTON. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND SCHEDULE APPROPRIATE INSPECTIONS, ALLOWING PROPER ADVANCE NOTICE. THE INSPECTOR MAY REQUIRE REMOVAL AND REPLACEMENT OF ITEMS THAT DO NOT MEET CITY STANDARDS OR WERE CONSTRUCTED WITHOUT INSPECTION.
- THE CONTRACTOR SHALL KEEP THE ON-SITE AND OFF-SITE STREETS CLEAN AT ALL TIMES BY CLEANING WITH A SWEEPING AND/OR VACUUM TRUCK. WASHING OF THESE STREETS WILL NOT BE ALLOWED WITHOUT PRIOR APPROVAL FROM THE CITY INSPECTOR.
- THE CONTRACTOR SHALL MAINTAIN TWO (2) SETS OF "ASBUILT" PLANS SHOWING ALL FIELD CHANGES AND MODIFICATIONS. IMMEDIATELY AFTER CONSTRUCTION COMPLETION, THE CONTRACTOR SHALL DELIVER BOTH COPIES OF RED-LINED PLANS TO THE CITY. THE CITY WILL FORWARD ONE OF THE COPIES TO THE DESIGN ENGINEER.

**CITY OF ARLINGTON STORM DRAINAGE NOTES**

- ALL STORM DRAINAGE IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE APPROVED PLANS AND CITY STANDARDS AND SPECIFICATIONS. ANY DEVIATION FROM THESE PLANS WILL REQUIRE PRIOR APPROVAL FROM THE OWNER, THE CITY ENGINEER, AND OTHER APPROPRIATE PUBLIC AGENCIES.
- ALL PIPE MATERIALS SHALL MEET THE REQUIREMENTS OF THE CITY STANDARDS AND SPECIFICATIONS. ACCEPTABLE STORM DRAINAGE PIPE MATERIALS INCLUDE CONCRETE, PVC, HDPE, AND DUCTILE IRON. CORRUGATED METAL PIPES (GALVANIZED ALUMINUM OR STEEL) ARE NOT ACCEPTED BY THE CITY. ALL PIPE JOINTS MUST HAVE GASKETS AND SHALL BE WATER TIGHT UNLESS OTHERWISE DIRECTED BY THE CITY.
- PIPE BEDDING MATERIAL SHALL BE 5/8-INCH MINUS CRUSHED GRAVEL FOR ALL PIPE TYPES, EXCEPT DUCTILE IRON. BEDDING MATERIAL FOR DUCTILE IRON PIPE SHALL MEET THE REQUIREMENTS OF THE CITY'S STANDARDS AND SPECIFICATIONS (CHAPTER 4).
- ALL TRENCH BACKFILL IN AREAS OF PAVEMENT OR STRUCTURAL LOADING SHALL BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY. ALL OTHER AREAS SHALL BE COMPACTED TO AT LEAST 90% OF MAXIMUM DRY DENSITY.
- ALL PIPE SHALL BE PLACED ON STABLE EARTH. IF IN THE OPINION OF THE CITY INSPECTOR, THE EXISTING TRENCH FOUNDATION IS UNSATISFACTORY, THEN IT SHALL BE EXCAVATED BELOW GRADE AND BACKFILLED WITH GRAVEL BEDDING MATERIAL TO SUPPORT THE PIPE.
- LOT DRAINAGE SYSTEMS, STUB-OUTS AND ANY DRAINS BEHIND THE SIDEWALK MUST BE INSTALLED AS REQUIRED PRIOR TO SIDEWALK CONSTRUCTION. STUB-OUTS SHALL BE MARKED WITH A 2"x4" WITH 3 FEET VISIBLE ABOVE GRADE AND MARKED "STORM". LOCATION AND DEPTH OF THESE INSTALLATIONS SHALL BE SHOWN ON THE AS-BUILT PLANS SUBMITTED TO THE CITY.
- ALL CATCH BASINS SHALL BE TYPE 1 UNLESS OTHERWISE SHOWN ON THE PLANS AND APPROVED BY THE CITY. THE USE AND INSTALLATION OF INLETS IS DISCOURAGED.
- ALL CATCH BASINS WITH A DEPTH OF 5 FEET (RIM TO INVERT) OR GREATER SHALL BE TYPE 2 CATCH BASINS EQUIPPED WITH 3/4-INCH DIAMETER SAFETY MANHOLE STEPS OR A MANHOLE LADDER PER CITY STANDARD DETAILS.
- ALL GRATES SHALL BE MARKED "OUTFALL TO STREAM - DUMP NO POLLUTANTS". ALL SOLID COVER SHALL BE MARKED "DRAIN". ALL CATCH BASINS AND MANHOLES SHALL BE EQUIPPED WITH LOCKING FRAMES AND LIDS OR GRATES PER CITY STANDARD DETAILS.
- ALL GRATES LOCATED IN THE GUTTER FLOW LINE (INLET AND CATCH BASIN) SHALL BE DEPRESSED 0.1 FOOT BELOW PAVEMENT LEVEL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL MANHOLE, INLET AND CATCH BASIN FRAMES AND GRATES/COVERS TO GRADE JUST PRIOR TO CURB INSTALLATION AND PAVING.
- ALL RETENTION/DETENTION FACILITIES SHALL BE INSTALLED AND IN OPERATION PRIOR TO, OR IN CONJUNCTION WITH, ALL CONSTRUCTION ACTIVITY, UNLESS OTHERWISE APPROVED BY THE CITY.
- DETENTION/RETENTION PONDS WITH SIDE SLOPES STEEPER THAN 3:1 OR WITH A MAXIMUM WATER DEPTH GREATER THAN 3 FEET SHALL BE ENCLOSED WITH A VINYL COATED CHAIN LINK FENCE.
- BIO-FILTRATION SWALES AND/OR FILTER STRIPS SHALL BE CONSTRUCTED, BEDDED OR SEEDDED AND IN OPERATION PRIOR TO, OR SODDED IN CONJUNCTION WITH, ASPHALT PAVING. THE VEGETATION IN THE BIO-SWALE MUST BE WELL ESTABLISHED BEFORE PAVING BEGINS.
- STORM WATER RETENTION/DETENTION FACILITIES, STORM DRAINAGE PIPE AND CATCH BASINS SHALL BE FLUSHED AND CLEANED BY THE DEVELOPER PRIOR TO THE CITY'S ACCEPTANCE OF THE PROJECT.
- WHEN INFILTRATION FACILITIES ARE CONSTRUCTED, COMPACTION OF SOIL IS NOT ALLOWED, AS THE DESIGN IS BASED ON NATURAL SOIL IN THE ORIGINAL LOCATION. VEHICLES SHALL NOT BE DRIVEN OVER THE INFILTRATION AREA DURING CONSTRUCTION.
- IF THE CONTRACTOR ENCOUNTERS GROUNDWATER OR SOIL CONDITIONS DIFFERENT FROM THAT SHOWN IN THE PLANS DURING INFILTRATION SYSTEM INSTALLATION, THE CONTRACTOR SHALL NOTIFY THE CITY INSPECTOR.



**SURVEY DISCLAIMER**

THE TOPOGRAPHIC SURVEY WAS PERFORMED BY PACIFIC COAST SURVEYS. SOLID GROUND ENGINEERING ASSUMES NO LIABILITY AS TO THE ACCURACY AND COMPLETENESS OF THIS DATA. ANY DISCREPANCIES FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT IS NOTED IN THE FIELD SHOULD BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.

**UTILITY NOTE**

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.



**PROJECT FILE No. PWD # 3924**

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



ENGINEER'S STAMP

#	DATE	DESCRIPTION
1	4-22-25	REVISED PER CITY COMMENTS
2	6-19-25	REVISED PER 2ND CITY COMMENTS
3	9-19-25	REVISED PER CITY CIVIL COMMENTS

**Solid Ground Engineering**  
8105 166th Ave NE  
Redmond, WA 98052

**NOTES AND DETAILS**

**ATONEMENT FREE LUTHERAN CHURCH**

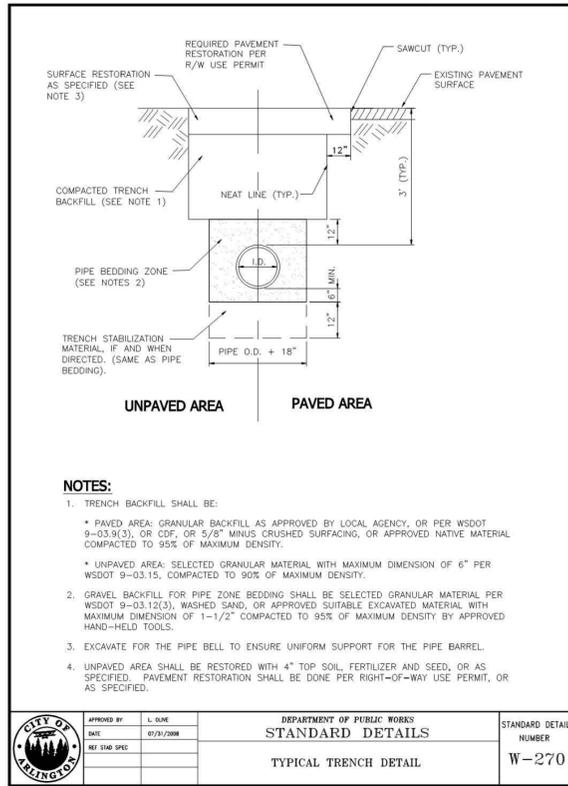
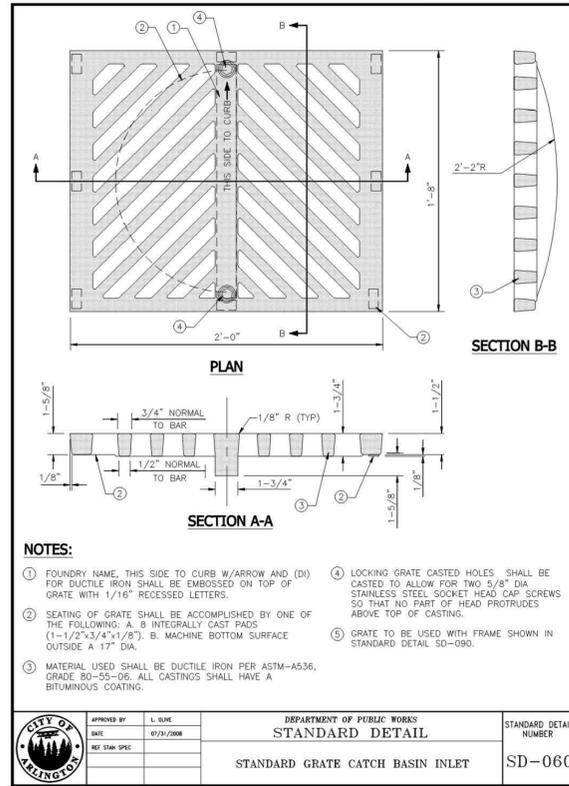
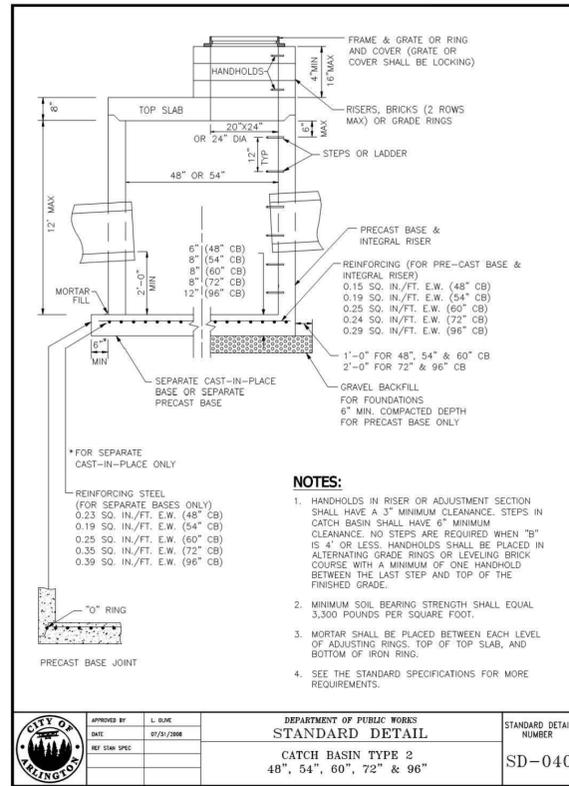
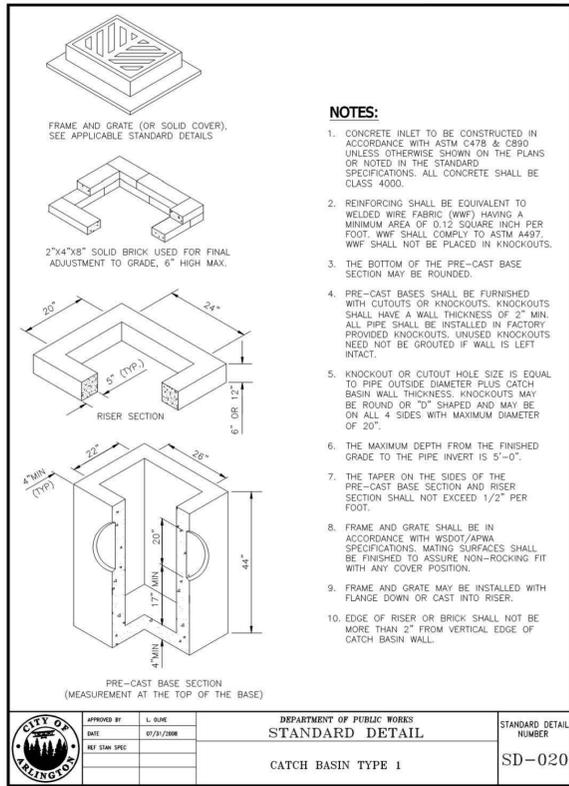
**ATONEMENT CHURCH**

**6905 172ND ST NE ARLINGTON WA.98223**

DRAWN BY:	KMV
CHECKED BY:	TPA
DATE:	1-20-25
JURISDICTION:	CITY OF ARLINGTON
JOB NUMBER:	24-0055

**DT-01**

**19 OF 26**



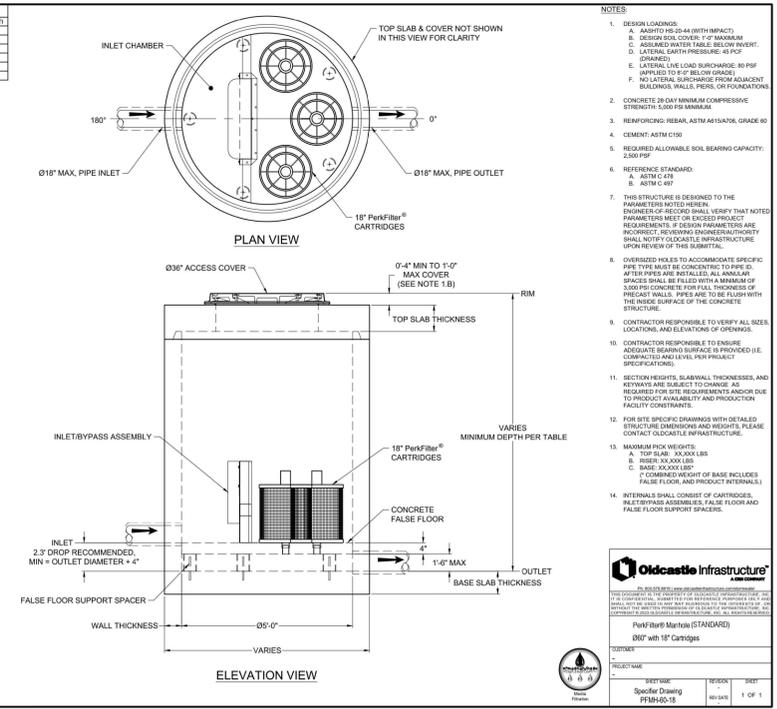
SITE SPECIFIC DATA		MINIMUM DEPTH	
Structure ID	PERKFILTER WQ UNIT	Outlet Pipe Size	Minimum Rim to Outlet Depth
Treatment Flow Rate (gpm)	0.18	6"	4.83'
Peak Flow Rate (cfs)	1.78	6"	5.08'
Cartridge Quantity	3	6"	5.33'
Rim Elevation	156.39	6"	5.58'
		6"	5.83'

Flow Data	Location	Pipe Size	Pipe Type	Invert Elevation
INLET	E	8"	ADS	153.20
INLET	W	12"	ADS	151.50

PERFORMANCE SPECIFICATIONS	
Peak Treatment Capacity:	3
Max. Cartridge Quantity	3
NUDEP 80% Removal, 75 micron	61.2 gpm / 0.138 cfs
WA Ecology GLD - Basic & Phosphorus	30.6 gpm / 0.069 cfs
Max. Bypass Capacity	3.05 cfs



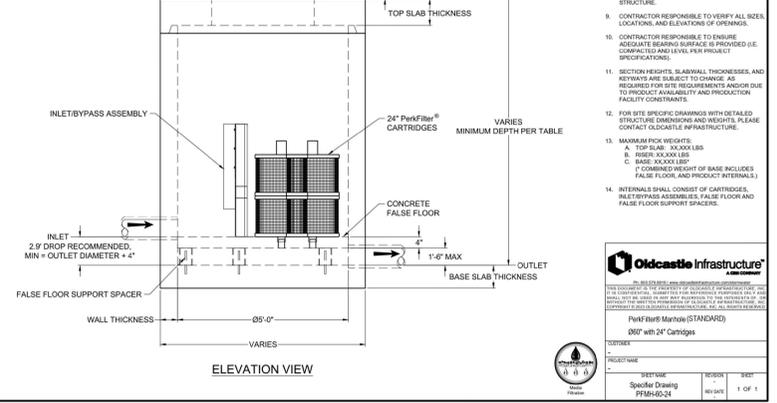
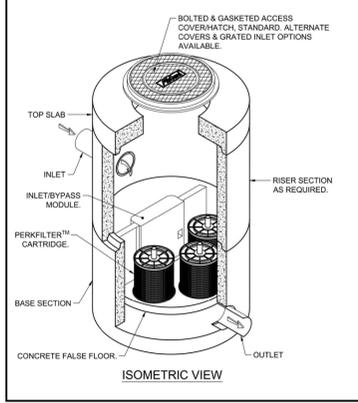
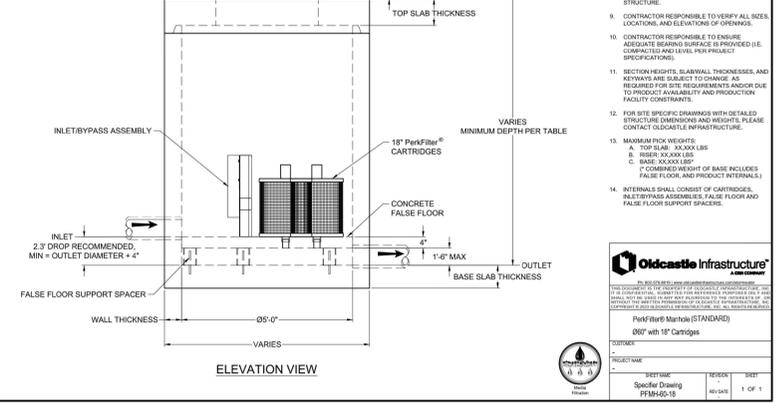
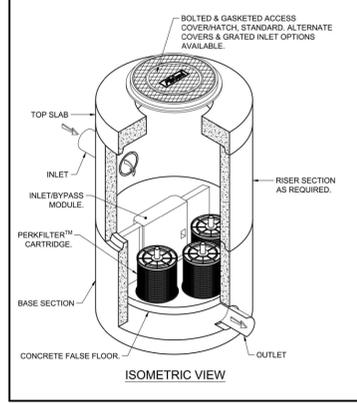
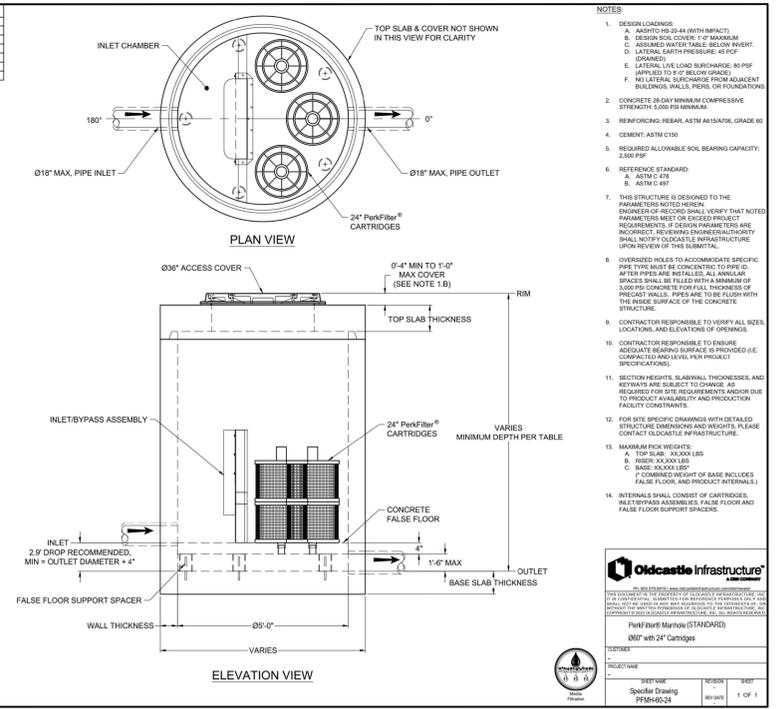
SITE SPECIFIC DATA		MINIMUM DEPTH	
Structure ID	PERKFILTER MANHOLE	Outlet Pipe Size	Minimum Rim to Outlet Depth
Treatment Flow Rate (gpm)	0.23	6"	4.83'
Peak Flow Rate (cfs)	1.71	6"	5.08'
Cartridge Quantity	3	6"	5.33'
Rim Elevation	157.79	6"	5.58'
		6"	5.83'

Flow Data	Location	Pipe Size	Pipe Type	Invert Elevation
INLET	S	12"	ADS	153.60
INLET	E	6"	ADS	153.66
OUTLET	N	12"	ADS	151.96

PERFORMANCE SPECIFICATIONS	
Peak Treatment Capacity:	3
Max. Cartridge Quantity	3
NUDEP 80% Removal, 75 micron	61.2 gpm / 0.138 cfs
WA Ecology GLD - Basic & Phosphorus	40.8 gpm / 0.091 cfs
Max. Bypass Capacity	3.45 cfs



**SURVEY DISCLAIMER**

THE TOPOGRAPHIC SURVEY WAS PERFORMED BY PACIFIC COAST SURVEYS. SOLID GROUND ENGINEERING ASSUMES NO LIABILITY AS TO THE ACCURACY AND COMPLETENESS OF THIS DATA. ANY DISCREPANCIES FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT IS NOTED IN THE FIELD SHOULD BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.

**UTILITY NOTE**

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.



ENGINEER'S STAMP

#	DATE	DESCRIPTION
1	4-22-25	REVISED PER CITY COMMENTS
2	6-19-25	REVISED PER CITY COMMENTS
3	8-19-25	REVISED PER CITY COMMENTS

**EGE**  
Solid Ground Engineering  
8105 166th Ave NE  
Redmond, WA 98052

**NOTES AND DETAILS**

**ATONEMENT FREE LUTHERAN CHURCH**  
**ATONEMENT CHURCH**  
6905 172ND ST NE ARLINGTON WA.98223

DRAWN BY: K/MV  
CHECKED BY: TPA  
DATE: 1-20-25  
JURISDICTION: CITY OF ARLINGTON  
JOB NUMBER: 24-0055

PROJECT FILE No. PWD # 3924

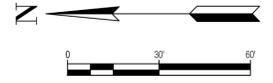
CITY OF ARLINGTON  
CONSTRUCTION DRAWING APPROVAL

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

**DT-02**  
**20 OF 26**

SW 1/4, SW 1/4, SEC 23, T31N, R5E, WM, ARLINGTON, WASHINGTON

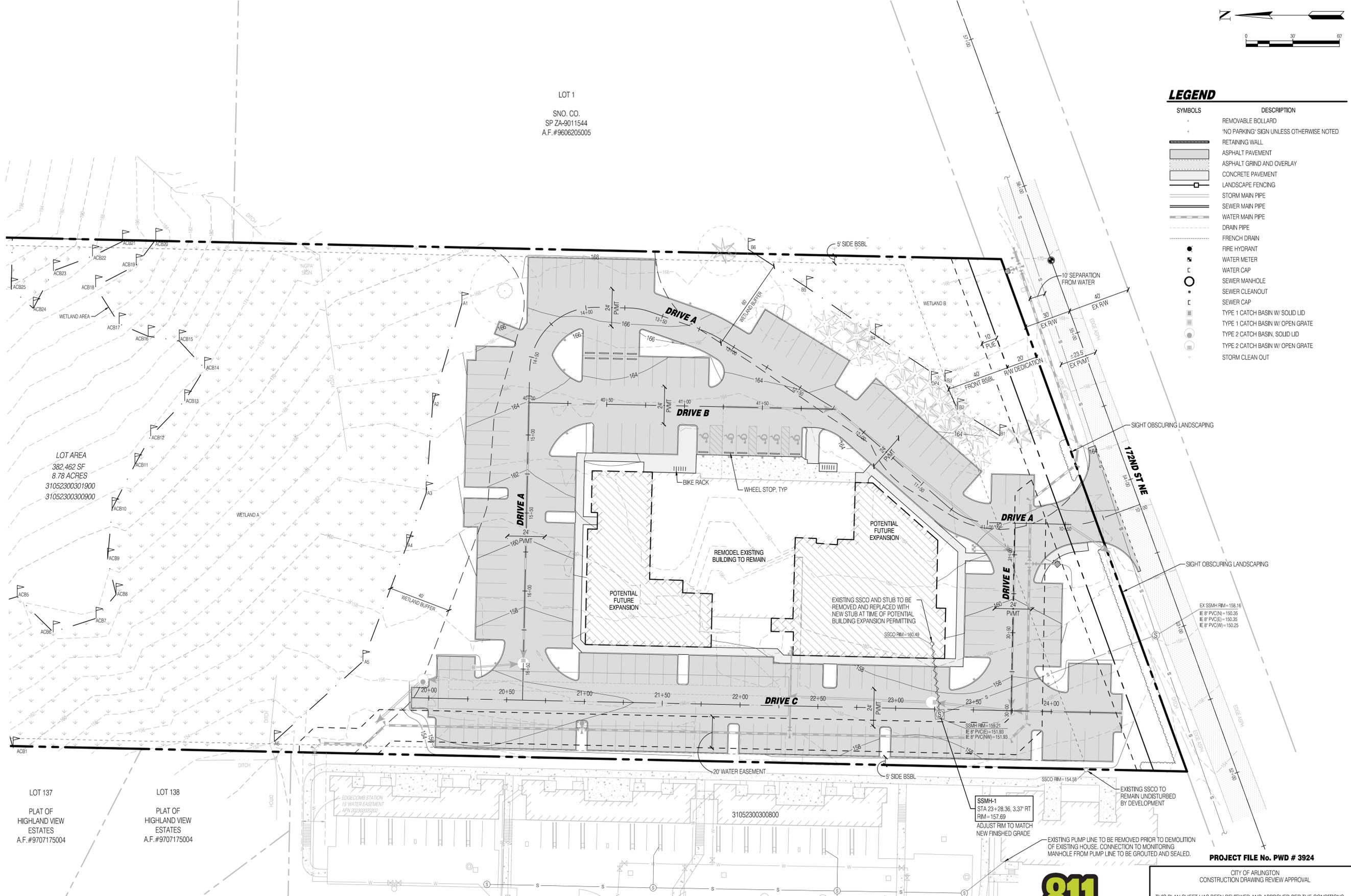


LOT 1

SNO. CO.  
SP ZA-9011544  
A.F.#9606205005

**LEGEND**

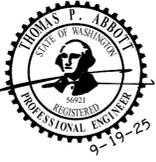
SYMBOLS	DESCRIPTION
(Symbol: Small circle with dot)	REMOVABLE BOLLARD
(Symbol: Small circle with 'X')	'NO PARKING' SIGN UNLESS OTHERWISE NOTED
(Symbol: Dashed line)	RETAINING WALL
(Symbol: Stippled area)	ASPHALT PAVEMENT
(Symbol: Horizontal lines)	ASPHALT GRIND AND OVERLAY
(Symbol: Vertical lines)	CONCRETE PAVEMENT
(Symbol: Dashed line with 'L')	LANDSCAPE FENCING
(Symbol: Solid line with 'S')	STORM MAIN PIPE
(Symbol: Solid line with 'M')	SEWER MAIN PIPE
(Symbol: Solid line with 'W')	WATER MAIN PIPE
(Symbol: Solid line with 'D')	DRAIN PIPE
(Symbol: Dashed line with 'F')	FRENCH DRAIN
(Symbol: Circle with 'F')	FIRE HYDRANT
(Symbol: Circle with 'W')	WATER METER
(Symbol: Circle with 'C')	WATER CAP
(Symbol: Circle with 'S')	SEWER MAN-HOLE
(Symbol: Circle with 'C')	SEWER CLEANOUT
(Symbol: Circle with 'S')	SEWER CAP
(Symbol: Circle with '1')	TYPE 1 CATCH BASIN W/ SOLID LID
(Symbol: Circle with '2')	TYPE 1 CATCH BASIN W/ OPEN GRATE
(Symbol: Circle with '3')	TYPE 2 CATCH BASIN, SOLID LID
(Symbol: Circle with '4')	TYPE 2 CATCH BASIN W/ OPEN GRATE
(Symbol: Circle with '5')	STORM CLEAN OUT



LOT AREA  
382,462 SF  
8.78 ACRES  
31052300301900  
31052300300900

LOT 137  
PLAT OF  
HIGHLAND VIEW  
ESTATES  
A.F.#9707175004

LOT 138  
PLAT OF  
HIGHLAND VIEW  
ESTATES  
A.F.#9707175004



ENGINEER'S STAMP

REVISIONS

#	DATE	DESCRIPTION
1	4-22-25	REVISED PER CITY COMMENTS
2	6-19-25	REVISED PER 2ND CITY COMMENTS
3	9-19-25	REVISED PER CITY CIVIL COMMENTS

**Solid Ground Engineering**  
8105 166th Ave NE  
Redmond, WA 98052

**SANITARY  
SEWER PLAN**

**ATONEMENT FREE LUTHERAN  
CHURCH**  
**ATONEMENT CHURCH**  
**6905 172ND ST NE ARLINGTON  
WA.98223**

DRAWN BY:	KMV
CHECKED BY:	TPA
DATE:	1-20-25
JURISDICTION:	CITY OF ARLINGTON
JOB NUMBER:	24-0055

**SS-01**  
**21 OF 29**

**SURVEY DISCLAIMER**

THE TOPOGRAPHIC SURVEY WAS PERFORMED BY PACIFIC COAST SURVEYS. SOLID GROUND ENGINEERING ASSUMES NO LIABILITY AS TO THE ACCURACY AND COMPLETENESS OF THIS DATA. ANY DISCREPANCIES FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT IS NOTED IN THE FIELD SHOULD BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.

**UTILITY NOTE**

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.



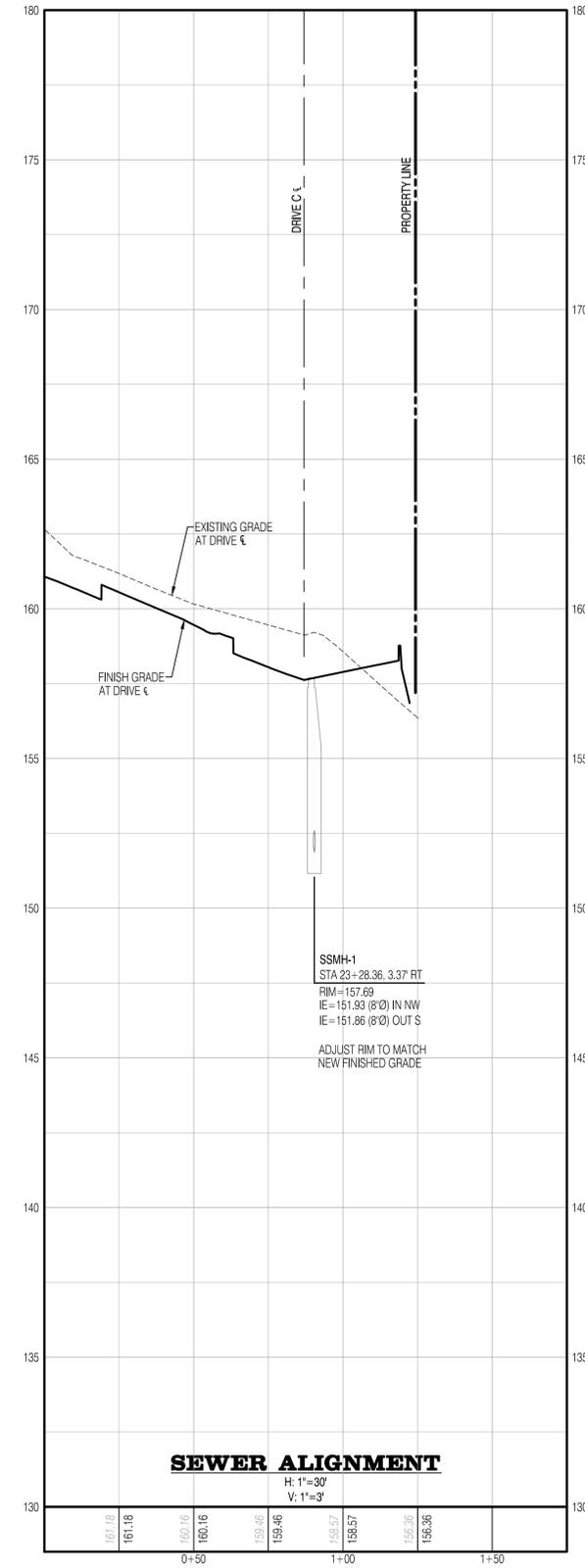
**PROJECT FILE No. PWD # 3924**

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



PROJECT FILE No. PWD # 3924

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

**SURVEY DISCLAIMER**

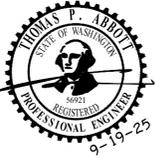
THE TOPOGRAPHIC SURVEY WAS PERFORMED BY PACIFIC COAST SURVEYS. SOLID GROUND ENGINEERING ASSUMES NO LIABILITY AS TO THE ACCURACY AND COMPLETENESS OF THIS DATA. ANY DISCREPANCIES FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT IS NOTED IN THE FIELD SHOULD BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.

**UTILITY NOTE**

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.



SAFETY IS IN YOUR HANDS. EVERY DIG. EVERY TIME.



ENGINEER'S STAMP

#	DATE	DESCRIPTION
1	4-22-25	REVISED PER CITY COMMENTS
2	6-19-25	REVISED PER 2ND CITY COMMENTS
3	9-19-25	REVISED PER CITY CIVIL COMMENTS

**Solid Ground Engineering**  
8105 166th Ave NE  
Redmond, WA 98052

**SANITARY SEWER PROFILES**

**ATONEMENT FREE LUTHERAN CHURCH**  
**ATONEMENT CHURCH**  
**6905 172ND ST NE ARLINGTON WA.98223**

DRAWN BY:	KMV
CHECKED BY:	TPA
DATE:	1-20-25
JURISDICTION:	CITY OF ARLINGTON
JOB NUMBER:	24-0055

**SS-02**  
**23 OF 26**

**SW 1/4, SW 1/4, SEC 23, T31N, R5E, WM, ARLINGTON, WASHINGTON**

**NOTES:**

- MANHOLES TO BE CONSTRUCTED IN ACCORDANCE WITH AASHTO M-199 (ASTM C 478) UNLESS OTHERWISE SHOWN ON PLANS OR NOTED IN STANDARD SPECIFICATIONS.
- ALL REINFORCED CAST IN PLACE CONCRETE SHALL BE CLASS 4000. NON-REINFORCED CONCRETE IN CHANNEL AND SHELF SHALL BE CLASS 3000. ALL PRECAST CONCRETE SHALL BE CLASS 4000.
- PRECAST BASES SHALL BE FURNISHED WITH CUTOUTS.
- ALL BASE REINFORCING STEEL SHALL HAVE A MINIMUM YIELD STRENGTH OF 60,000 PSI AND BE PLACED IN THE UPPER HALF OF THE BASE WITH 1" MINIMUM CLEARANCE.
- CUTOUT HOLE SIZE IS EQUAL TO PIPE OUTER DIAMETER PLUS MANHOLE WALL THICKNESS. MAXIMUM PIPE SIZE IS 12" FOR 48" MANHOLE, 24" FOR 54" MANHOLE. MINIMUM DISTANCE BETWEEN HOLES IS 8" (MEASURED ON THE INSIDE OF THE MANHOLE).
- MANHOLE SIZE DEPENDS ON SIZES, LOCATION AND NUMBERS OF HOLES FOR PIPES. MANHOLE DESIGN AND SIZE SHALL BE APPROVED AND WARRANTED BY THE MANHOLE SUPPLIER.
- FOR DEPTHS OVER 25' MANHOLE BASE SLAB DESIGN SHALL BE DESIGNED BY A STRUCTURAL ENGINEER.
- ALL INTERIOR AND EXTERIOR JOINTS TO BE GROUTED (SEE GROUT SPECIFICATIONS). GROUT TO BE 1/2" THICK MINIMUM AND 3" EACH SIDE OF JOINT MINIMUM. THEY MUST BE INSPECTED PRIOR TO BACKFILL.
- CORE DRILLING ONLY. HAMMERING KNOCKOUTS WILL NOT BE ALLOWED. KOR-N-SEAL FACTORY INSTALLED BOOTS ARE ALLOWED.
- MANHOLES 5'-7' DEEP MUST BE FLAT TOPS.

APPROVED BY: L. OLIVE  
DATE: 07/31/2008  
REF STD SPEC: SS-030

DEPARTMENT OF PUBLIC WORKS  
**STANDARD DETAIL**  
MANHOLE TYPE I

STANDARD DETAIL NUMBER: SS-010

**PLAN**

**SECTION A-A**

**NOTES:**

- MANHOLE RINGS SHALL BE GRAY IRON CONFORMING TO THE REQUIREMENTS OF AASHTO M 105, GRADE 30B.
- MANHOLE COVER TO BE DUCTILE IRON CONFORMING TO ASTM A536, GR 80-55-06 OLYMPIC FOUNDRY PART NO. MH30 OR APPROVED EQUAL.
- LOCKING COVER TO BE USED IN ALL LOCATIONS. THE LID SHALL BE LOCKED DOWN WITH 3-5/8" S.S SOCKET HEAD CAP SCREWS.
- RING AND COVER SHALL BE TESTED FOR ACCURACY OF FIT AND SHALL BE MARKED IN SETS FOR DELIVERY.
- ALL CASTINGS TO HAVE A BITUMINOUS COATING.

APPROVED BY: L. OLIVE  
DATE: 07/31/2008  
REF STD SPEC: SS-030

DEPARTMENT OF PUBLIC WORKS  
**STANDARD DETAIL**  
MANHOLE COVER

STANDARD DETAIL NUMBER: SS-030

**UNPAVED AREAS**

**PAVED AREAS**

**12" CAST IRON LOCKING RING AND COVER**  
OLYMPIC M1025 OR APPROVED EQUAL

**NOTES:**

- CLEAN-OUT PIPE AND FITTINGS SHALL BE THE SAME MATERIAL AS THE SEWER MAIN.
- A SANITARY TEE, SWEEP, OR STRAIGHT TEE IS NOT ACCEPTABLE.
- SEWER STUB WILL BE EXTENDED 10' BEYOND PROPERTY LINE AND 5' BEYOND UTILITY EASEMENTS TO PREVENT DAMAGE TO CLEAN-OUT AND MINIMIZE CONFLICTS WITH OTHER UTILITIES WHEN SERVICE TO BUILDING IS ACCOMPLISHED.

APPROVED BY: L. OLIVE  
DATE: 07/31/2008  
REF STD SPEC: SS-080

DEPARTMENT OF PUBLIC WORKS  
**STANDARD DETAIL**  
SEWER CLEANOUT

STANDARD DETAIL NUMBER: SS-080

**NOTES:**

- AT THE CONNECTION TO THE SEWER MAIN A MAIN DIA. X 6" TEE IS REQUIRED FOR NEW SEWER MAINS AND A ROMAC TAPPING TEE OR CORE DRILLED INSERT-A-TEE REQUIRED FOR AN EXISTING SEWER MAIN.
- 2x4 PRESSURE TREATED MARKER POST SHALL BE PAINTED WHITE WITH BLACK LETTERS "SEWER LOT # INVERT DEPTH".
- 12 GAUGE WIRE SHALL BE CONNECTED TO PIPE AT INVERT AND WRAPPED AROUND MARKER POST.
- DETECTOR TAPE REQUIRED FROM SEWER MAIN TO MARKER POST.
- TEST TEE SHALL BE INSTALLED AT THE SEWER MAIN WHEN A SIDE SEWER IS CONNECTED TO AN EXISTING SEWER MAIN.

APPROVED BY: L. OLIVE  
DATE: 07/31/2008  
REF STD SPEC: SS-090

DEPARTMENT OF PUBLIC WORKS  
**STANDARD DETAIL**  
SIDE SEWER STUB

STANDARD DETAIL NUMBER: SS-090

**SECTION**

**NOTES:**

- ALL BACKFILL MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED 12 INCHES BEFORE COMPACTION UNLESS AUTHORIZED BY THE CITY ENGINEER DUE TO THE CHARACTER OF THE MATERIAL AND THE COMPACTING EQUIPMENT.
- MECHANICAL COMPACTION OF BACK FILL MATERIAL SHALL NOT BEGIN UNTIL THE DEPTH OF COMPACTED BACKFILL MATERIAL IS 2 FEET ABOVE THE TOP OF PIPE.
- EACH LIFT SHALL BE MECHANICALLY COMPACTED TO THE REQUIRED DENSITY PRIOR TO PLACING SUCCEEDING LIFTS OF BACKFILL MATERIAL.
- COMPACTION TESTS SHALL BE AS REQUIRED BY THE CITY ENGINEER, BUT IN NO CASE LESS THAN 2 TESTS EVERY 200 FEET OF TRENCH (ONE AT SUBGRADE AND ONE AT 50% OF TRENCH DEPTH).
- IN-PLACE DENSITY AND MOISTURE CONTENT WILL BE DETERMINED USING NUCLEAR METHOD, ASTM 2922-71.
- LABORATORY MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE CONTENT WILL BE DETERMINED USING THE MODIFIED PROCTOR METHOD IN ACCORDANCE WITH ASTM D-1557.
- BEDDING MATERIAL SHALL BE 3/8" MINUS.

APPROVED BY: L. OLIVE  
DATE: 07/31/2008  
REF STD SPEC: SS-120

DEPARTMENT OF PUBLIC WORKS  
**STANDARD DETAIL**  
TRENCH SECTION

STANDARD DETAIL NUMBER: SS-120

**CITY OF ARLINGTON SEWER SYSTEM CONSTRUCTION NOTES**

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

**SURVEY DISCLAIMER**

THE TOPOGRAPHIC SURVEY WAS PERFORMED BY PACIFIC COAST SURVEYS. SOLID GROUND ENGINEERING ASSUMES NO LIABILITY AS TO THE ACCURACY AND COMPLETENESS OF THIS DATA. ANY DISCREPANCIES FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT IS NOTED IN THE FIELD SHOULD BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.

**UTILITY NOTE**

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.



SAFETY IS IN YOUR HANDS. EVERY DIG. EVERY TIME.

**PROJECT FILE No. PWD # 3924**

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



ENGINEER'S STAMP

#	DATE	DESCRIPTION
1	4-22-25	REVISED PER CITY COMMENTS
2	6-19-25	REVISED PER 2ND CITY COMMENTS
3	9-19-25	REVISED PER CITY CIVIL COMMENTS

**Solid Ground Engineering**  
8105 166th Ave NE  
Redmond, WA 98052

**SANITARY  
SEWER DETAILS**

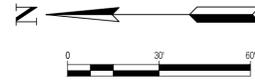
**ATONEMENT FREE LUTHERAN  
CHURCH**  
**ATONEMENT CHURCH**  
**6905 172ND ST NE ARLINGTON  
WA.98223**

DRAWN BY:	KMV
CHECKED BY:	TPA
DATE:	1-20-25
JURISDICTION:	CITY OF ARLINGTON
JOB NUMBER:	24-0055

**SS-03**  
**24 OF 26**

SW 1/4, SW 1/4, SEC 23, T31N, R5E, WM, ARLINGTON, WASHINGTON

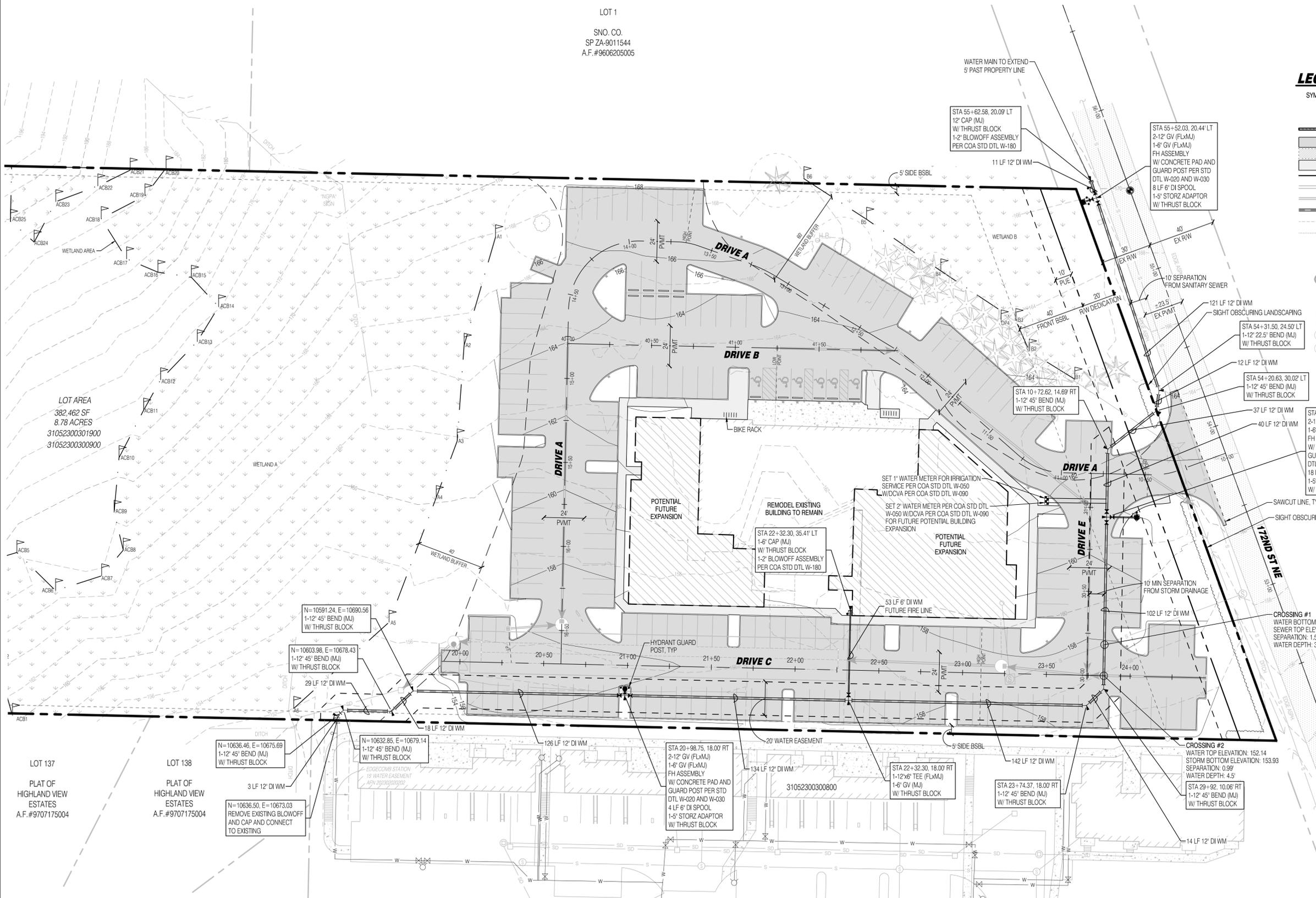
LOT 1  
SNO. CO.  
SP ZA-9011544  
A.F.#9606205005



ENGINEER'S STAMP

**LEGEND**

SYMBOLS	DESCRIPTION
(Symbol)	REMOVABLE BOLLARD
(Symbol)	'NO PARKING' SIGN UNLESS OTHERWISE NOTED
(Symbol)	RETAINING WALL
(Symbol)	ASPHALT PAVEMENT
(Symbol)	ASPHALT GRIND AND OVERLAY
(Symbol)	CONCRETE PAVEMENT
(Symbol)	LANDSCAPE FENCING
(Symbol)	STORM MAIN PIPE
(Symbol)	SEWER MAIN PIPE
(Symbol)	WATER MAIN PIPE
(Symbol)	DRAIN PIPE
(Symbol)	FRENCH DRAIN
(Symbol)	FIRE HYDRANT
(Symbol)	WATER METER
(Symbol)	WATER CAP
(Symbol)	SEWER MANHOLE
(Symbol)	SEWER CLEANOUT
(Symbol)	SEWER CAP
(Symbol)	TYPE 1 CATCH BASIN W/ SOLID LID
(Symbol)	TYPE 1 CATCH BASIN W/ OPEN GRATE
(Symbol)	TYPE 2 CATCH BASIN, SOLID LID
(Symbol)	TYPE 2 CATCH BASIN W/ OPEN GRATE
(Symbol)	STORM CLEAN OUT



REVISIONS

#	DATE	DESCRIPTION
1	4-29-25	REVISED PER CITY COMMENTS
2	6-19-25	REVISED PER 2ND CITY COMMENTS
3	9-19-25	REVISED PER CITY CHL COMMENTS

**Solid Ground Engineering**  
8705 166th Ave NE  
Redmond, WA 98052

**WATER PLAN**

**ATONEMENT FREE LUTHERAN CHURCH**  
**ATONEMENT CHURCH**  
**6905 172ND ST NE ARLINGTON WA, 98223**

DRAWN BY:	KMV
CHECKED BY:	TPA
DATE:	1-20-25
JURISDICTION:	CITY OF ARLINGTON
JOB NUMBER:	24-0055

**WA-01**  
**24 OF 29**

PROJECT FILE No. PWD # 3924

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



**SURVEY DISCLAIMER**

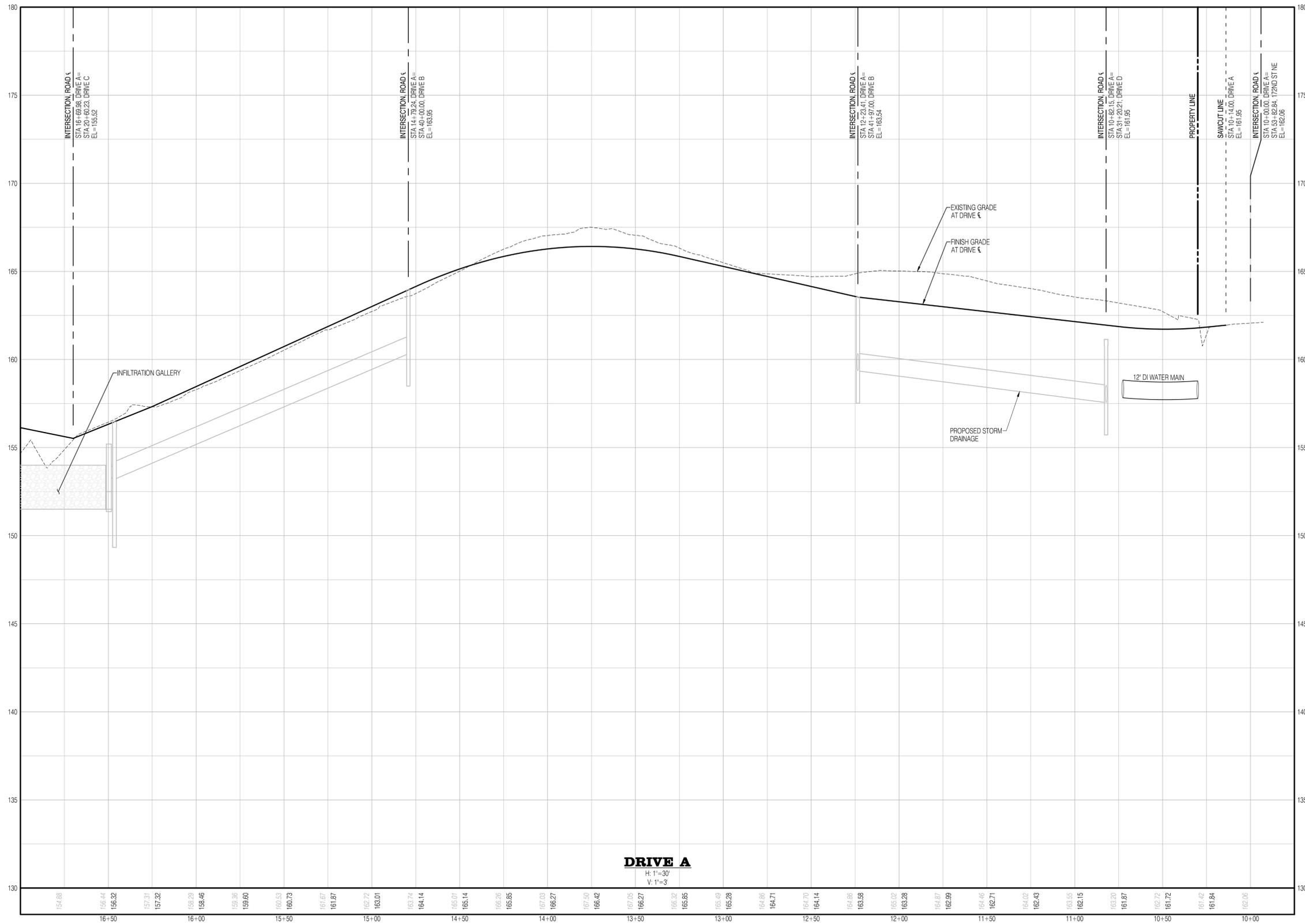
THE TOPOGRAPHIC SURVEY WAS PERFORMED BY PACIFIC COAST SURVEYS. SOLID GROUND ENGINEERING ASSUMES NO LIABILITY AS TO THE ACCURACY AND COMPLETENESS OF THIS DATA. ANY DISCREPANCIES FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT IS NOTED IN THE FIELD SHOULD BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.

**UTILITY NOTE**

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.

C:\Users\paco\OneDrive\Surface\Ground\Engineering\24-0055 Atonement Church\Project Files\Drawings\24-0055-001-Water-Plan.dwg 9/19/2025 12:13:45 PM

SW 1/4, SW 1/4, SEC 23, T31N, R5E, WM, ARLINGTON, WASHINGTON



ENGINEER'S STAMP

#	DATE	DESCRIPTION
1	4-22-25	REVISED PER CITY COMMENTS
2	6-19-25	REVISED PER 2ND CITY COMMENTS
3	9-19-25	REVISED PER CITY CIVIL COMMENTS

**Solid Ground Engineering**  
8105 166th Ave NE  
Redmond, WA 98052

**WATER PROFILES**

**ATONEMENT FREE LUTHERAN CHURCH**  
**ATONEMENT CHURCH**  
**6905 172ND ST NE ARLINGTON WA.98223**

DRAWN BY:	KMV
CHECKED BY:	TPA
DATE:	1-20-25
JURISDICTION:	CITY OF ARLINGTON
JOB NUMBER:	24-0055

**WA-02**  
**25 OF 29**

**SURVEY DISCLAIMER**

THE TOPOGRAPHIC SURVEY WAS PERFORMED BY PACIFIC COAST SURVEYS. SOLID GROUND ENGINEERING ASSUMES NO LIABILITY AS TO THE ACCURACY AND COMPLETENESS OF THIS DATA. ANY DISCREPANCIES FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT IS NOTED IN THE FIELD SHOULD BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.

**UTILITY NOTE**

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.



**PROJECT FILE No. PWD # 3924**

CITY OF ARLINGTON  
CONSTRUCTION DRAWING REVIEW APPROVAL

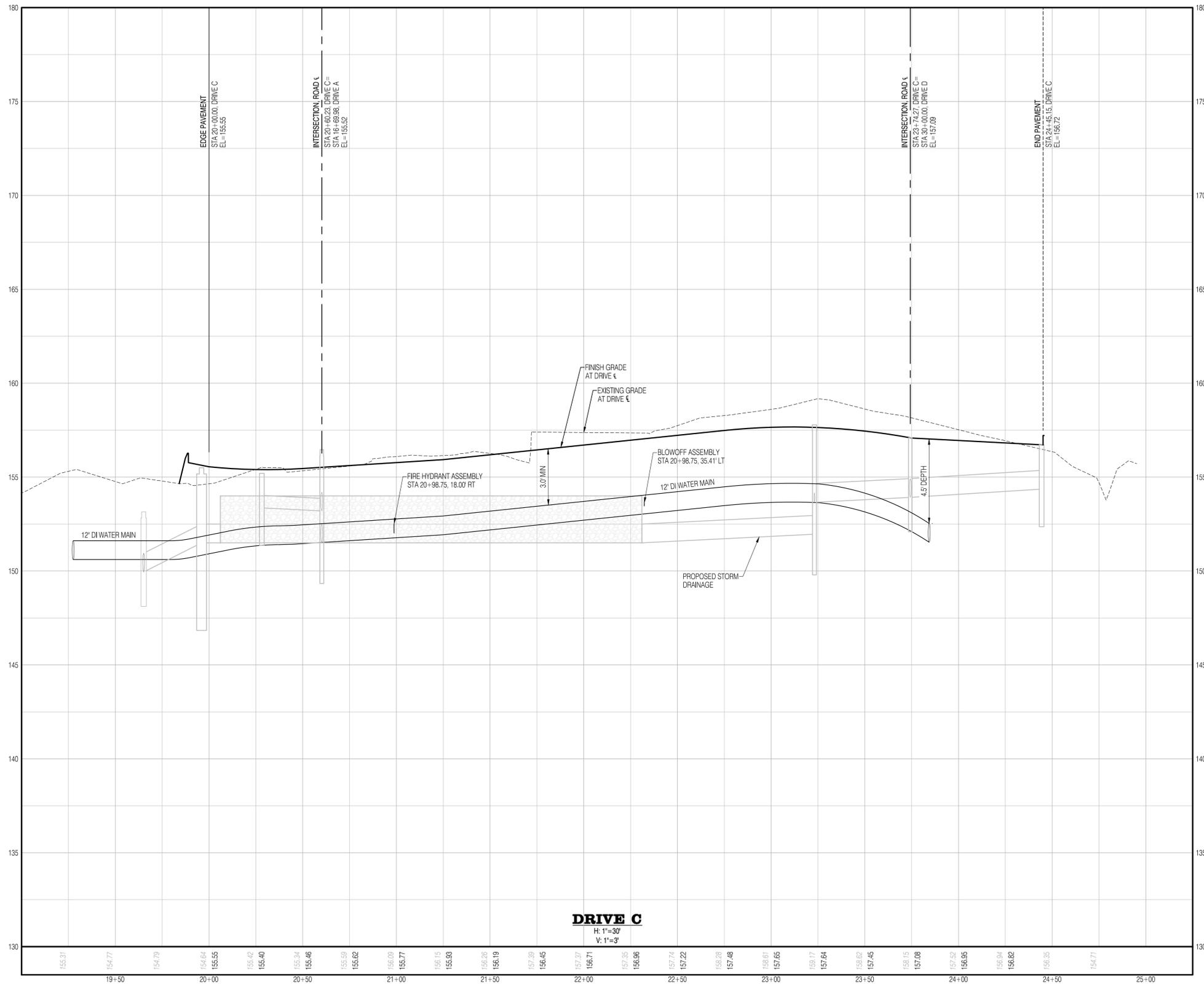
THIS PLAN SHEET HAS BEEN REVIEWED AND APPROVED PER THE CONDITIONS ON THE TITLE SHEET.

BY: \_\_\_\_\_  
DEVELOPMENT SERVICES MANAGER

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

C:\Users\jant\OneDrive\Solid Ground Engineering\24-0055\Atonement Church\Project Files\Drawings\DWG\24-0055-01-Water Prof.dwg 3/19/2025 12:38:21 PM

SW 1/4, SW 1/4, SEC 23, T31N, R5E, WM, ARLINGTON, WASHINGTON



C:\Users\paw\Documents\Solid Ground Engineering\24-0055\Aerial\Drawings\DWG\24-0055\WaterProfile.dwg 3/19/2025 12:35:54 PM

**SURVEY DISCLAIMER**

THE TOPOGRAPHIC SURVEY WAS PERFORMED BY PACIFIC COAST SURVEYS. SOLID GROUND ENGINEERING ASSUMES NO LIABILITY AS TO THE ACCURACY AND COMPLETENESS OF THIS DATA. ANY DISCREPANCIES FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT IS NOTED IN THE FIELD SHOULD BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.

**UTILITY NOTE**

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.



SAFETY IS IN YOUR HANDS. EVERY DIG. EVERY TIME.

PROJECT FILE No. PWD # 3924  
 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



ENGINEER'S STAMP

#	DATE	DESCRIPTION
1	4-22-25	REVISED PER CITY COMMENTS
2	6-19-25	REVISED PER 2ND CITY COMMENTS
3	9-19-25	REVISED PER CITY CIVIL COMMENTS

**Solid Ground Engineering**  
 8105 166th Ave NE  
 Redmond, WA 98052

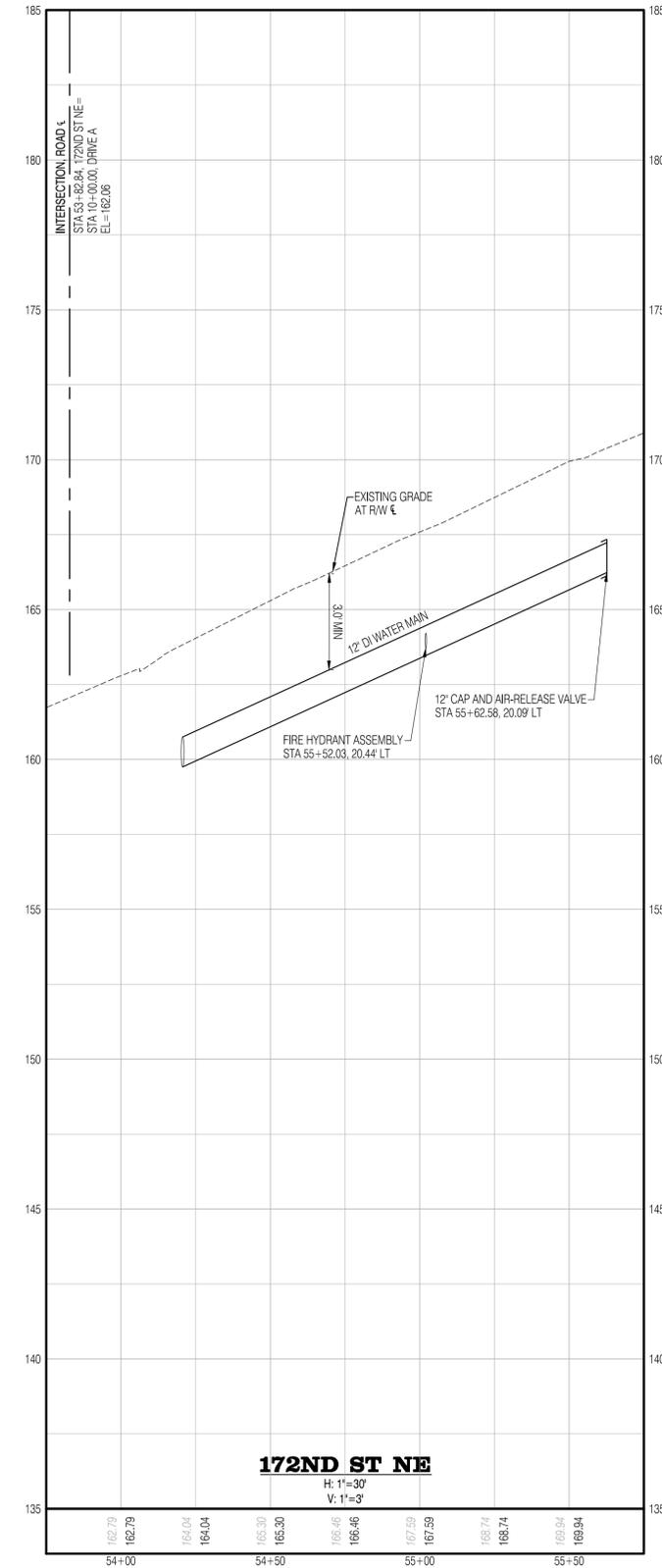
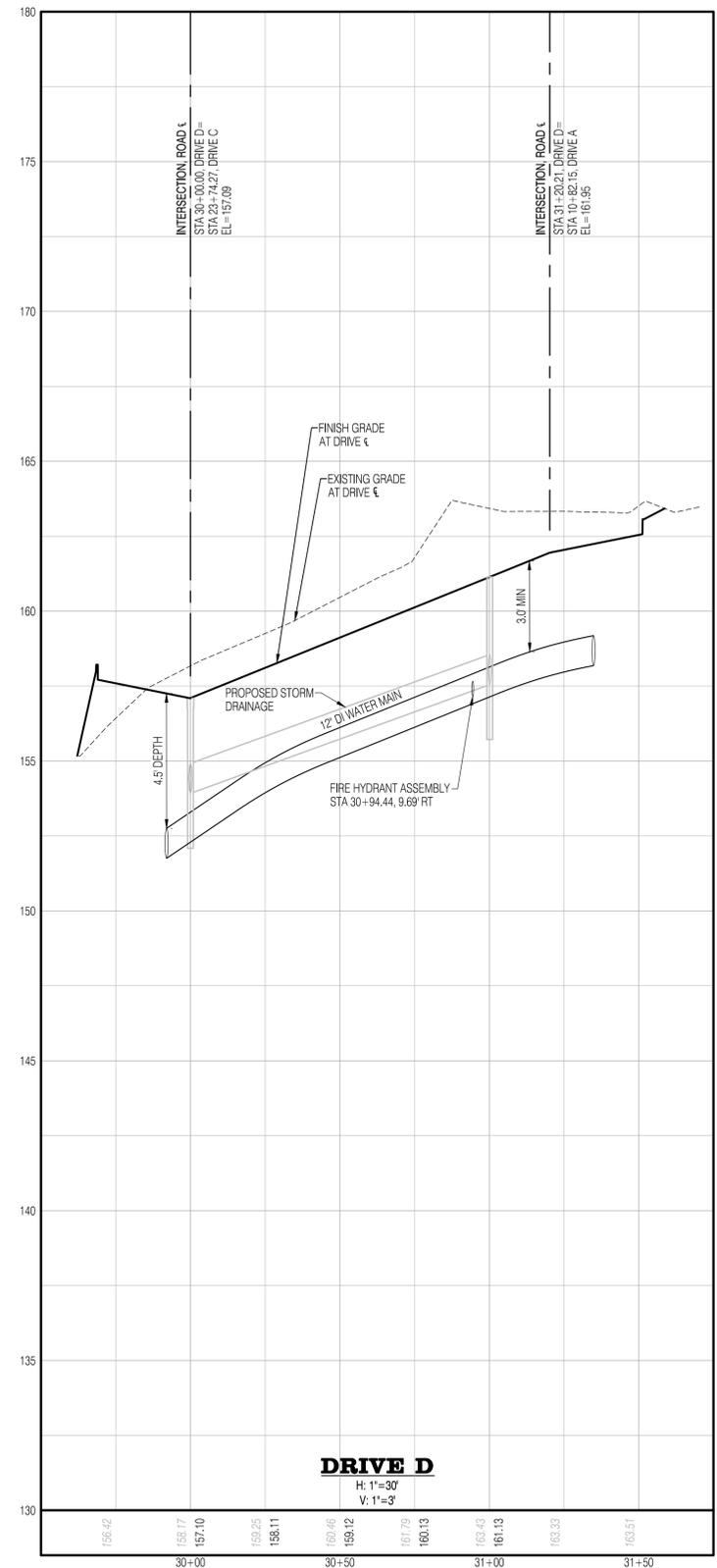
**WATER PROFILES**

**ATONEMENT FREE LUTHERAN CHURCH**  
**ATONEMENT CHURCH**  
 6905 172ND ST NE ARLINGTON WA.98223

DRAWN BY:	KMV
CHECKED BY:	TPA
DATE:	1-20-25
JURISDICTION:	CITY OF ARLINGTON
JOB NUMBER:	24-0055

**WA-03**  
**26 OF 29**

SW 1/4, SW 1/4, SEC 23, T31N, R5E, WM, ARLINGTON, WASHINGTON



**SURVEY DISCLAIMER**

THE TOPOGRAPHIC SURVEY WAS PERFORMED BY PACIFIC COAST SURVEYS. SOLID GROUND ENGINEERING ASSUMES NO LIABILITY AS TO THE ACCURACY AND COMPLETENESS OF THIS DATA. ANY DISCREPANCIES FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT IS NOTED IN THE FIELD SHOULD BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.

**UTILITY NOTE**

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.



SAFETY IS IN YOUR HANDS. EVERY DIG. EVERY TIME.

PROJECT FILE No. PWD # 3924  
 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



ENGINEER'S STAMP

#	DATE	DESCRIPTION
1	4-22-25	REVISED PER CITY COMMENTS
2	6-19-25	REVISED PER 2ND CITY COMMENTS
3	9-19-25	REVISED PER CITY CIVIL COMMENTS

**Solid Ground Engineering**  
 8105 166th Ave NE  
 Redmond, WA 98052

**ATONEMENT FREE LUTHERAN CHURCH**  
**ATONEMENT CHURCH**  
 6905 172ND ST NE ARLINGTON WA.98223

DRAWN BY: KMV  
 CHECKED BY: TPA  
 DATE: 1-20-25  
 JURISDICTION: CITY OF ARLINGTON  
 JOB NUMBER: 24-0055  
**WA-04**  
**27 OF 29**

SW 1/4, SW 1/4, SEC 23, T31N, R5E, WM, ARLINGTON, WASHINGTON

**NOTES:**

- HYDRANTS AND ALL MATERIALS SHALL CONFORM TO AWWA STANDARDS AND SHALL BE OF STANDARD MANUFACTURE (M&H 929 RELIANT OR MUELLER SUPER CENTURION 250 ONLY).
- THE CENTER OF THE HYDRANT SHALL BE 3' FROM FACE OF CURB. IF THERE IS NO CURB, THE CENTER OF HYDRANT SHALL BE 3' FROM RIGHT-OF-WAY AND A MINIMUM OF 5' FROM TRAVELED LANE.
- ONE 5" TO 4-1/2" PUMPER PORT W/N.S.T. AND STORZ ADAPTER ASSEMBLY. PUMPER PORT TO BE FACING STREET OR ROADWAY FOR THE FIRE ENGINE ACCESS.
- TWO 2-1/2" HOSE PORTS W/N.S.T. AND 1-1/4" OPERATING NUTS.
- PROVIDE GUARD POSTS FOR VEHICULAR TRAFFIC PROTECTION IF REQUIRED BY CITY ENGINEER PER STD. DETAIL W-030.
- INSTALL 3'x3'x4" CONCRETE PAD (3000 PSI) AROUND HYDRANT IN UNPAVED AREAS INCLUDING PLANTER STRIPS, COMPLETELY SURROUND HYDRANT W/FULL DEPTH OF CONCRETE PAD WITH 1/4" JOINT MATERIAL BEFORE PLACING CONCRETE.
- HYDRANT RUN TO BE 6" CEMENT LINED DUCTILE IRON PIPE CLASS 52 WITH RESTRAINED JOINTS (MEGALUG OR APPROVED EQUAL). HYDRANT RUN LONGER THAN 50 FEET SHALL BE 8" DIA. OR LARGER.
- 3/4" GALV. SHACKLE RODS WITH THE EYE BOLTS AT BOTH ENDS REQUIRED FROM VALVE TO HYDRANT.
- FIRE HYDRANTS SHALL BE PAINTED WITH TWO COATS OF HIGH GLOSS EQUIPMENT YELLOW "RUST-OLEUM" TYPE PAINT.
- INSTALL 24"x24"x4" CONCRETE PAD (3000 PSI) AROUND VALVE BOX AND 48"x48"x4" FOR MULTIPLE VALVE BOXES IN UNPAVED AREA.

APPROVED BY:	L. OLIVE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE:	07/21/2008	STANDARD DETAILS	W-010
REF STD SPEC:		FIRE HYDRANT ASSEMBLY	

**NOTES:**

- CONCRETE SHALL BE CLASS 3000 PSI MIN.
- INSTALL 1/4" EXPANSION JOINT MATERIAL WITH FULL DEPTH OF CONCRETE PAD AROUND HYDRANT.

APPROVED BY:	L. OLIVE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE:	07/21/2008	STANDARD DETAILS	W-020
REF STD SPEC:		FIRE HYDRANT CONCRETE PAD	

**NOTES:**

- GUARD POSTS SHALL BE 8' LONG, 6" DIAMETER, CONCRETE FILLED CLASS 52 D.I. PIPE OR 8" LONG 8" DIAMETER REINFORCED CONCRETE, PAINTED WITH TWO COATS OF HIGH GLOSS CATERPILLAR YELLOW (RUST-OLEUM) TYPE PAINT.
- TOP OF GUARD POST SHALL BE LEVEL WITH TOP OF OPERATING NUT.

APPROVED BY:	L. OLIVE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE:	07/21/2008	STANDARD DETAILS	W-030
REF STD SPEC:		FIRE HYDRANT GUARD POST	

**NOTES AND MATERIALS:**

- 2" CC SERVICE SADDLE W/DOUBLE STAINLESS STEEL STAP.
- 2" BALL VALVE CORPORATE STOP COMPRESSION WITH KEY FACING UP, MUELLER OR FORD ONLY.
- 2" HDPE CTS CLASS 200 HIGH SERVICE PIPE (200 PSI RATING) WITH STAINLESS STEEL STIFFENER AND 10 GAUGE COATED COPPER TRACER WIRE WRAPPED AROUND THE PIPE AND ATTACHED ON BOTH ENDS.
- 2" COMPRESSION ANGLE METER BALL VALVE (LOCKABLE).
- METER (SIZE AS SHOWN IN PLAN) SHALL BE INSTALLED BY CITY UTILITIES DIVISION AT OWNER'S EXPENSE. CITY WILL INSTALL ADAPTERS AT BOTH ENDS OF METER IF THE METER IS NOT 2".
- METER BOX SHALL BE MIDSTARS PLASTICS (1730-18) W/SOLID DI LID WITH 1 3/4" HOLE FOR TOUCH READ PAD (TRP).
- 2" ANGLE METER CHECK COUPLING (LOCKABLE).
- COMPRESSION x FITT ADAPTER WITH PLASTIC PLUG.
- EXTEND SERVICE PIPE 10' BEYOND PROPERTY LINE AND AN ADDITIONAL 5' BEYOND EASEMENT LINE.
- METER LENGTH BLANK STUB FOR A 2" METER, W=17-1/4".
- 2" METER SETTER, FORD OR MUELLER.
- BYPASSES MUST BE HIGH BYPASS OR SIDE-BY-SIDE WITH THE METER.

APPROVED BY:	L. OLIVE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE:	07/21/2008	STANDARD DETAILS	W-050
REF STD SPEC:		2" AND SMALLER NON-RESIDENTIAL WATER SERVICE	

**THRUST BLOCK AREA IN SQUARE FEET (SEE STD DETAIL NO W-165)**

FITTING	SOIL FIRM SILT OR FIRM SILTY SAND		COMPACT SAND		COMPACT SAND & GRAVEL	
	90° BEND	45° BEND	90° BEND	45° BEND	90° BEND	45° BEND
TEE	7.0	4.2	1.7	2.9	2.1	2.1
45° BEND	4.2	2.4	1.1	1.8	1.4	1.4
90° BEND	2.4	1.4	0.6	1.0	0.8	0.8
PLUGGED TEE	1.7	1.0	0.4	0.7	0.5	0.5
HORIZONTAL BEND	1.0	0.6	0.3	0.5	0.4	0.4
TEE	1.7	1.0	0.4	0.7	0.5	0.5
PIPE & CAP	0.4	0.2	0.1	0.2	0.1	0.1

IF ECOLOGY BLOCKS MAY BE USED IN LIEU OF POURED-IN-PLACE BLOCKING FOR FITTINGS IN SHADED PORTION OF TABLE RESTRAINED JOINTS MUST BE USED.

FOR NOTES SEE STD DETAIL NO W-165

APPROVED BY:	L. OLIVE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE:	07/21/2008	STANDARD DETAILS	W-160
REF STD SPEC:		THRUST BLOCK	

**NOTES:**

- LOCATION AND SIZE OF BLOCKING FOR PIPE LARGER THAN 12" DIAMETER AND FOR SOIL TYPES DIFFERENT THAN SHOWN SHALL BE DETERMINED BY THE CITY ENGINEER.
- ALL BLOCKING FOR HORIZONTAL FITTINGS (POURED IN PLACE) SHALL BEAR AGAINST UNDISTURBED NATIVE GROUND OR FILL MATERIAL COMPACTED TO 95% MAXIMUM DENSITY.
- ALL POURED THRUST BLOCKS SHALL BE BACKFILLED AFTER MINIMUM 1 DAY. PRESSURE TESTING SHALL OCCUR AFTER CONCRETE HAS REACHED COMPRESSIVE STRENGTH (f'c).
- ALL BLOCKING TO BE CONCRETE CL 3000-1 (3000 PSI).
- BLOCKING AGAINST FITTINGS SHALL BEAR AGAINST THE GREATEST FITTING SURFACE AREA POSSIBLE, BUT SHALL NOT COVER OR ENCLOSE BELL ENDS, JOINT BOLTS OR GLANDS. ACCESS TO BOLTS AND GLANDS SHALL BE PROVIDED.
- ALL HORIZONTAL BLOCKING THRUST AREAS SHALL BE CENTERED ON PIPE.
- WHERE POURED-IN-PLACE BLOCKING IS REQUIRED AT A POINT OF CONNECTION TO AN EXISTING WATERMAIN, THE BLOCKING SHALL BE INSTALLED PRIOR TO CONNECTION WHENEVER POSSIBLE OR AS DIRECTED BY THE CITY ENGINEER.
- TEMPORARY BLOCKING, IF USED, SHALL BE APPROVED BY THE CITY ENGINEER.

APPROVED BY:	L. OLIVE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE:	07/21/2008	STANDARD DETAILS	W-165
REF STD SPEC:		THRUST BLOCK	

**SURVEY DISCLAIMER**  
 THE TOPOGRAPHIC SURVEY WAS PERFORMED BY PACIFIC COAST SURVEYS. SOLID GROUND ENGINEERING ASSUMES NO LIABILITY AS TO THE ACCURACY AND COMPLETENESS OF THIS DATA. ANY DISCREPANCIES FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT IS NOTED IN THE FIELD SHOULD BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.

**UTILITY NOTE**  
 THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.



**CITY OF ARLINGTON WATER SYSTEM CONSTRUCTION NOTES**

- ALL WORK SHALL BE IN ACCORDANCE WITH THE APPROVED PLANS AND CURRENT EDITION OF THE CITY OF ARLINGTON STANDARDS AND SPECIFICATIONS. ANY CHANGES TO THE DESIGN REQUIRE CITY APPROVAL.
- ALL MATERIALS SHALL CONFORM TO THE CITY STANDARDS AND SPECIFICATIONS AND SHALL BE APPROVED BY THE CITY PRIOR TO DELIVERY TO THE JOB SITE. MATERIAL SUBMITTALS ARE REQUIRED AND MUST BE APPROVED PRIOR TO SCHEDULING A PRE-CONSTRUCTION CONFERENCE.
- WATER MAINS SHALL BE CEMENT-LINED DUCTILE IRON PIPE CLASS 52 UNLESS OTHERWISE APPROVED BY THE CITY.
- ALL SERVICE LOCATIONS SHALL BE FIELD APPROVED BY THE CITY PRIOR TO INSTALLATION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UNDERGROUND UTILITIES BY CALLING ONE-CALL UNDERGROUND UTILITY LOCATOR (1-800-424-5555) 48 HOURS PRIOR TO CONSTRUCTION.
- ADEQUATE TRENCH SHEETING AND/OR SHORING SHALL BE PROVIDED BY THE CONTRACTOR AS REQUIRED BY OSHA AND WISHA.
- THE PIPE SHALL BE INSTALLED BY FOLLOWING THE FINISHED GRADE PROFILE WHEREVER POSSIBLE. THE DEPTH OF COVER SHALL BE TYPICALLY 36 INCHES (3 FEET), AND MAY BE UP TO 60 INCHES (5 FEET) WITH THE APPROVAL OF THE CITY ENGINEER. WATER MAINS UNDER THE STATE (OR COUNTY) HIGHWAYS SHALL MEET THE MINIMUM COVER DEPTHS REQUIRED BY WSDOT (OR SNOHOMISH COUNTY).
- PIPE JOINT DEFLECTIONS SHALL NOT EXCEED ONE-HALF OF PIPE MANUFACTURER'S RECOMMENDED MAXIMUM DEFLECTIONS. BENDS MAY BE REQUIRED TO MAINTAIN PROPER WATER MAIN ALIGNMENT WITHIN EASEMENTS OR PUBLIC RIGHT-OF-WAY.
- WATER MAIN SHALL NOT BE PLACED UNDER SIDEWALK, CURBS, GUTTERS, OR ANY PERMANENT STRUCTURES WITHOUT THE PRIOR APPROVAL OF THE CITY ENGINEER.
- NO CONNECTION TO THE CITY WATER SYSTEM IS ALLOWED UNTIL THE NEW CONSTRUCTION PASSES PRESSURE AND PURITY TESTS, AND HAS BEEN APPROVED AND ACCEPTED BY THE CITY.
- PRIOR TO MAKING CONNECTIONS TO THE EXISTING SYSTEM, CONTRACTOR SHALL FIELD VERIFY THE LOCATION, DEPTH AND MATERIAL OF EXISTING WATER MAINS AT THE POINT OF CONNECTION.
- ALL WATER LINES SHALL BE A MINIMUM OF 10 FEET HORIZONTAL CLEARANCE FROM SANITARY SEWERS. WHEN WATER LINES CROSS SEWER LINES, THE MINIMUM VERTICAL CLEARANCE SHALL BE 18 INCHES.
- TO FILL THE MAIN FOR FLUSHING, PRESSURE AND PURITY TESTS, THE CONTRACTOR IS REQUIRED TO USE AN APPROVED METER AND DCA. THE HYDRANT SHALL REMAIN IN THE FULL OPEN POSITION TO PREVENT BACK-SIPHONAGE THROUGH THE DRAIN HOLE. AFTER SUCCESSFUL TESTING, THE CONTRACTOR WILL TIE INTO THE EXISTING SYSTEM, USING DISINFECTED SLEEVES AND SPOOL PIECES.
- THE CONTRACTOR SHALL CONTACT THE CITY FOR VALVE OPERATION. ONLY AUTHORIZED REPRESENTATIVES OF THE CITY CAN OPERATE VALVES IN THE CITY WATER SYSTEM.
- THE CONTRACTOR IS HEREBY NOTIFIED THAT, SINCE FILLING AND FLUSHING WILL BE DONE THROUGH A CROSS-CONNECTION CONTROL DEVICE, LOW VELOCITY FLOWS MAY BE ENCOUNTERED. THEREFORE, EVERY ATTEMPT SHALL BE MADE TO KEEP THE PIPE CLEAN DURING INSTALLATION. THIS MAY INCLUDE SWABBING THE PIPE WITH CHLORINATED WATER.
- THE CONTRACTOR SHALL PERFORM TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL, DUST CONTROL, NOISE CONTROL, AND TRAFFIC CONTROL AS REQUIRED BY THE CITY OR OTHER APPLICABLE AGENCIES.
- CUTTING AND PATCHING OF ROADWAYS SHALL CONFORM TO THE REQUIREMENTS OF THE RIGHT-OF-WAY PERMIT OF THE CITY OR OTHER APPLICABLE AGENCY.
- ALL IN-LINE PIPE JOINTS SHALL BE RESTRAINED WITH FIELD LOCK GASKETS.
- ALL FITTINGS SHALL BE RESTRAINED JOINTS AND HAVE THRUST BLOCKING.

PROJECT FILE No. PWD # 3924

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

ENGINEER'S STAMP

#	DATE	DESCRIPTION
1	4-22-25	REVISED PER CITY COMMENTS
2	6-19-25	REVISED PER 2ND CITY COMMENTS
3	9-19-25	REVISED PER CITY CIVIL COMMENTS

**EGE**  
 Solid Ground Engineering  
 8105 166th Ave NE  
 Redmond, WA 98052

**WATER DETAILS**

ATONEMENT FREE LUTHERAN CHURCH  
 ATONEMENT CHURCH  
 6905 172ND ST NE ARLINGTON WA.98223

DRAWN BY: K/MV  
 CHECKED BY: TPA  
 DATE: 1-20-25  
 JURISDICTION: CITY OF ARLINGTON  
 JOB NUMBER: 24-0055

**WA-05**  
**28 OF 29**

SW 1/4, SW 1/4, SEC 23, T31N, R5E, WM, ARLINGTON, WASHINGTON

PIPE SIZE NOM DIA INCHES	TEST PRESSURE PSI	VERTICAL BEND (DEGREES)	NO OF CU FT OF CONC BLOCKING	NO OF SHACKLE RODS (2)	DEPTH OF RODS IN CONCRETE (INCHES)
4"	300	111/4	8	2	3/4
		221/2	12	2 1/4	3/4
6"	300	111/4	12	2 1/4	3/4
		221/2	27	3	3/4
8"	300	111/4	16	2 1/2	3/4
		221/2	43	3 1/2	3/4
12"	300	111/4	64	4	1
		221/2	125	5	1

PIPE SIZE NOM DIA INCHES	TEST PRESSURE (PSI)	VERTICAL BEND (DEGREES)	NO OF CU FT OF CONC BLOCKING	NO OF SHACKLE RODS (4)	DEPTH OF RODS IN CONCRETE (INCHES)
4"	300	45	27	3	3/4
6"			64	4	1
8"			125	5	1
12"			216	6	1

PIPE SIZE NOM DIA INCHES	TEST PRESSURE (PSI)	VERTICAL BEND (DEGREES)	NO OF CU FT OF CONC BLOCKING	NO OF SHACKLE RODS (4)	DEPTH OF RODS IN CONCRETE (INCHES)
4"	300	45	27	3	3/4
6"			64	4	1
8"			125	5	1
12"			216	6	1

FOR NOTES SEE STD DETAIL NO. W-175

APPROVED BY: L. OLIVE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE: 07/31/2008	STANDARD DETAILS	W-170
REF STD SPEC:	VERTICAL THRUST BLOCK TYPE A & TYPE B	

PIPE SIZE	90° TEE FITTING BEND	11 1/4" BEND 45° BEND & 22 1/2" DEAD END BEND	22 1/2" BEND 45° BEND & 22 1/2" DEAD END BEND	30° TEE BEND 45° BEND & 22 1/2" DEAD END BEND	11 1/4" BEND 45° BEND & 22 1/2" DEAD END BEND
4"	5.8	4.2	1.7	2.9	2.1
6"	13.3	9.4	3.8	6.7	4.7
8"	23.3	16.7	6.7	11.7	8.4
12"	53.0	37.6	15.0	26.5	18.8

AREAS CALCULATED ON 300 PSI TEST PRESSURE AND 3"-0" MIN COVER OVER WATERMAIN

NOTES:

- LOCATION AND SIZE OF BLOCKING FOR PIPE LARGER THAN 12" DIAMETER AND FOR SOIL TYPES DIFFERENT THAN SHOWN SHALL BE DETERMINED BY THE CITY ENGINEER.
- ALL BLOCKING FOR VERTICAL FITTINGS (POURED IN PLACE) SHALL BEAR AGAINST UNDISTURBED NATIVE GROUND.
- ALL POURED THRUST BLOCKS SHALL BE BACKFILLED AFTER MINIMUM 1 DAY. PRESSURE TESTING SHALL OCCUR AFTER CONCRETE HAS REACHED COMPRESSIVE STRENGTH (f'c).
- ALL BLOCKING SHALL BE CONCRETE CL 3000-1 (3000 psi).
- AFTER INSTALLATION, SHACKLE RODS & TURNBUCKLES SHALL BE CLEANED AND COATED WITH 2 COATS OF ASPHALTIC VARNISH, ROYSTON ROYKOTE #612M OR APPROVED EQUAL.
- SHACKLE RODS SHALL BE FUSION BONDED EPOXY COATED ROUND MILD STEEL, ASTM A 36.
- BLOCKING AGAINST FITTINGS SHALL BEAR AGAINST THE GREATEST FITTING SURFACE AREA POSSIBLE, BUT SHALL NOT COVER OR ENCLOSE BELL ENDS, JOINT BOLTS OR GLANDS REASONABLE ACCESS TO BOLTS AND GLANDS SHALL BE PROVIDED.

APPROVED BY: L. OLIVE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE: 07/31/2008	STANDARD DETAILS	W-175
REF STD SPEC:	VERTICAL THRUST BLOCK TYPE C	

NOTES:

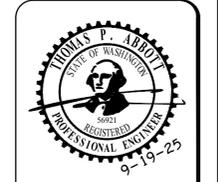
- TRENCH BACKFILL SHALL BE:
  - PAVED AREA: GRANULAR BACKFILL AS APPROVED BY LOCAL AGENCY, OR PER WSDOT 9-03.9(3), OR 5/8" MINUS CRUSHED SURFACING, OR APPROVED NATIVE MATERIAL COMPACTED TO 95% OF MAXIMUM DENSITY.
  - UNPAVED AREA: SELECTED GRANULAR MATERIAL WITH MAXIMUM DIMENSION OF 6" PER WSDOT 9-03.15, COMPACTED TO 90% OF MAXIMUM DENSITY.
- GRAVEL BACKFILL FOR PIPE ZONE BEDDING SHALL BE SELECTED GRANULAR MATERIAL PER WSDOT 9-03.12(3), WASHED SAND, OR APPROVED SUITABLE EXCAVATED MATERIAL WITH MAXIMUM DIMENSION OF 1-1/2" COMPACTED TO 95% OF MAXIMUM DENSITY BY APPROVED HAND-HELD TOOLS.
- EXCAVATE FOR THE PIPE BELL TO ENSURE UNIFORM SUPPORT FOR THE PIPE BARREL.
- UNPAVED AREA SHALL BE RESTORED WITH 4" TOP SOIL, FERTILIZER AND SEED, OR AS SPECIFIED. PAVEMENT RESTORATION SHALL BE DONE PER RIGHT-OF-WAY USE PERMIT, OR AS SPECIFIED.

APPROVED BY: L. OLIVE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE: 07/31/2008	STANDARD DETAILS	W-180
REF STD SPEC:	2" BLOWOFF ASSEMBLY	

NOTES:

- TRENCH BACKFILL SHALL BE:
  - PAVED AREA: GRANULAR BACKFILL AS APPROVED BY LOCAL AGENCY, OR PER WSDOT 9-03.9(3), OR 5/8" MINUS CRUSHED SURFACING, OR APPROVED NATIVE MATERIAL COMPACTED TO 95% OF MAXIMUM DENSITY.
  - UNPAVED AREA: SELECTED GRANULAR MATERIAL WITH MAXIMUM DIMENSION OF 6" PER WSDOT 9-03.15, COMPACTED TO 90% OF MAXIMUM DENSITY.
- GRAVEL BACKFILL FOR PIPE ZONE BEDDING SHALL BE SELECTED GRANULAR MATERIAL PER WSDOT 9-03.12(3), WASHED SAND, OR APPROVED SUITABLE EXCAVATED MATERIAL WITH MAXIMUM DIMENSION OF 1-1/2" COMPACTED TO 95% OF MAXIMUM DENSITY BY APPROVED HAND-HELD TOOLS.
- EXCAVATE FOR THE PIPE BELL TO ENSURE UNIFORM SUPPORT FOR THE PIPE BARREL.
- UNPAVED AREA SHALL BE RESTORED WITH 4" TOP SOIL, FERTILIZER AND SEED, OR AS SPECIFIED. PAVEMENT RESTORATION SHALL BE DONE PER RIGHT-OF-WAY USE PERMIT, OR AS SPECIFIED.

APPROVED BY: L. OLIVE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE: 07/31/2008	STANDARD DETAILS	W-270
REF STD SPEC:	TYPICAL TRENCH DETAIL	



ENGINEER'S STAMP			
#	DATE	DESCRIPTION	REVISIONS
1	4-22-25	REVISED PER CITY COMMENTS	
2	6-19-25	REVISED PER 2ND CITY COMMENTS	
3	9-19-25	REVISED PER CITY COMMENTS	

**WATER DETAILS**

**ATONEMENT FREE LUTHERAN CHURCH**  
**ATONEMENT CHURCH**  
 6905 172ND ST NE ARLINGTON WA.98223

DRAWN BY: K/MV  
 CHECKED BY: TPA  
 DATE: 1-20-25  
 JURISDICTION: CITY OF ARLINGTON  
 JOB NUMBER: 24-0055

**WA-06**  
**29 OF 29**

**SURVEY DISCLAIMER**

THE TOPOGRAPHIC SURVEY WAS PERFORMED BY PACIFIC COAST SURVEYS. SOLID GROUND ENGINEERING ASSUMES NO LIABILITY AS TO THE ACCURACY AND COMPLETENESS OF THIS DATA. ANY DISCREPANCIES FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT IS NOTED IN THE FIELD SHOULD BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.

**UTILITY NOTE**

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.



**PROJECT FILE No. PWD # 3924**

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