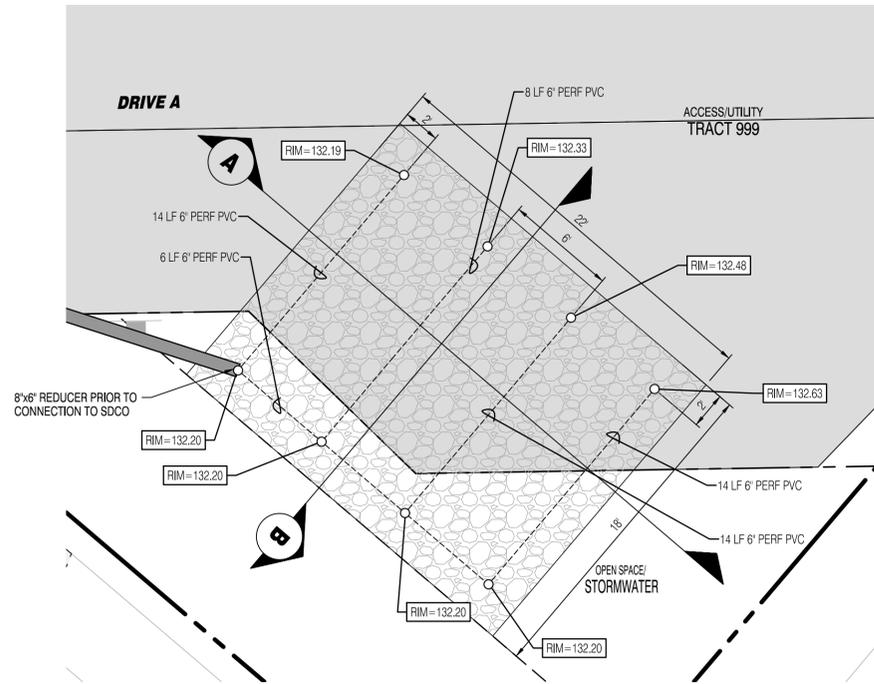


PLAN VIEW INFILTRATION GALLERY A



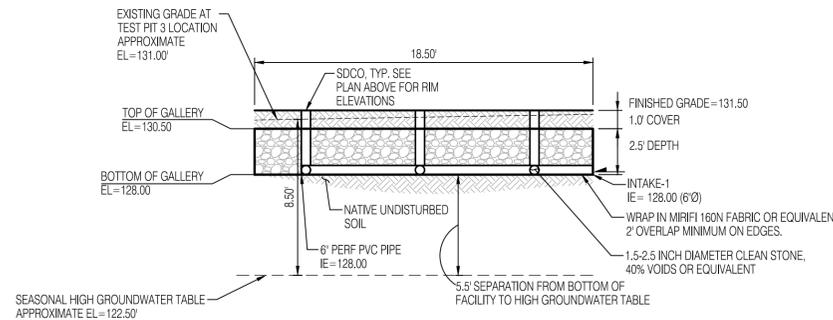
PLAN VIEW INFILTRATION GALLERY B

LEGEND

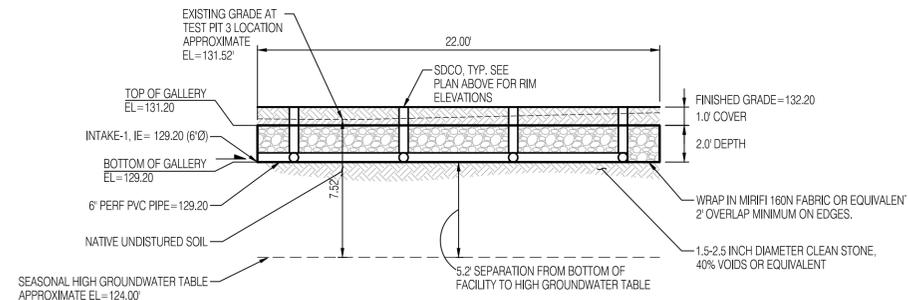
SYMBOLS	DESCRIPTION
	STORM MAIN PIPE
	DRAIN PIPE
	STORM CLEAN OUT

NOTES

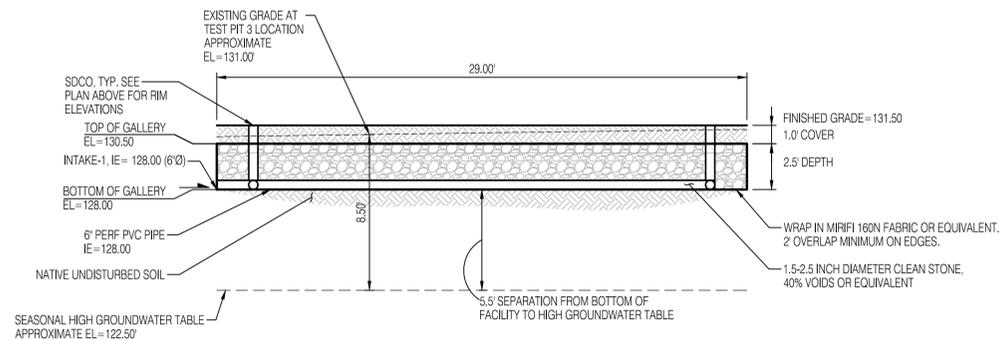
- SEE SHEET DR-01 FOR CB AND YARD DRAIN LOCATION AND ELEVATION DATA.
- LONG-TERM INFILTRATION RATE USED TO SIZE INFILTRATION GALLERIES A AND B WAS 2.0 IN/HR. CONTRACTOR TO CONFIRM FIELD INFILTRATION RATES PRIOR TO INSTALLATION.
- ALL INFILTRATION GALLERY PERFORATED PIPES TO BE LAID AT 0%.



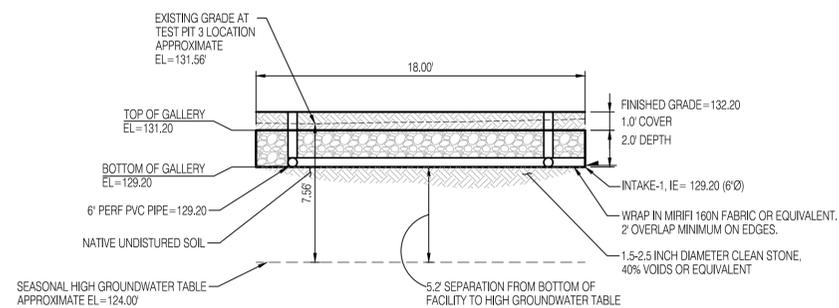
SECTION A-A



SECTION A-A



SECTION B-B



SECTION B-B

SURVEY DISCLAIMER

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UTILITY NOTE

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PROJECT FILE No. _____

CITY OF ARLINGTON
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BY: _____
DEVELOPMENT SERVICES MANAGER

DATE: _____ THIS APPROVAL VALID FOR 18 MONTHS



ENGINEER'S STAMP

REVISIONS	DESCRIPTION	DATE

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

INFILTRATION GALLERY SECTIONS AND DETAILS

CORSTONE CONTRACTORS, LLC
TAPERT ARLINGTON JENSEN
ARLINGTON, WA

DRAWN BY:	KMA
CHECKED BY:	TPA
DATE:	5-21-24
JURISDICTION:	CITY OF ARLINGTON
JOB NUMBER:	24-0041C

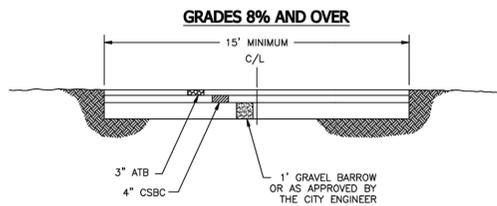
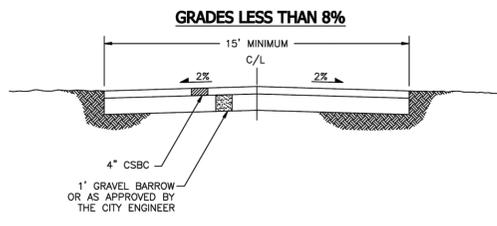
SD-01
9 OF 16

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 "AS-BUILT" 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.

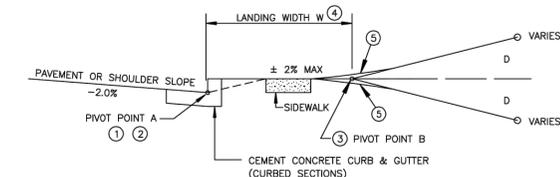
CITY OF ARLINGTON STORM DRAINAGE NOTES

- 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 SEEDED 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.



- NOTES:**
- COMPACTION TESTS ARE REQUIRED. THE NUMBER OF TESTS TO BE FIELD DETERMINED BY THE CITY INSPECTOR. ALL TESTING SHALL BE PERFORMED BY A LICENSED TESTING LABORATORY. MINIMUM COMPACTION SHALL BE 95% MAXIMUM DENSITY OF BOTH SUBGRADE AND CSBC.
 - GRADES 8% AND OVER REQUIRE 3" ATB. COMPACTION SHALL BE AN AVERAGE OF 92% OF DRY DENSITY.

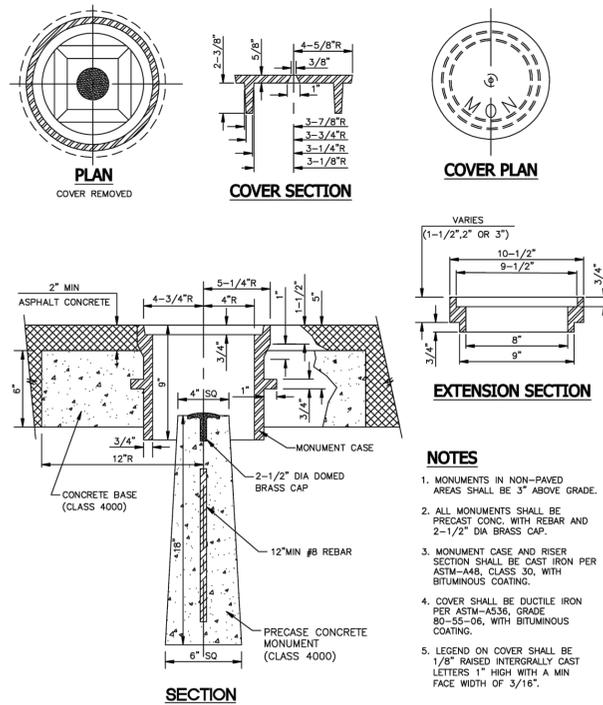
CITY OF ARLINGTON	APPROVED BY	L. OLIVE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
	DATE	07/31/2008	STANDARD DETAILS	R-050
	REF STD SPEC		ALL WEATHER SURFACES FOR UTILITY ACCESS	



TYPE OF ACCESS	ACCESSING	LANDING WIDTH W (4)	ACCESS GRADE D
RESIDENTIAL (URBAN)	NON-ARTERIAL	15'	± 15% MAX.
RESIDENTIAL (URBAN)	ARTERIAL	15'	± 7% MAX.
COMMERCIAL/INDUSTRIAL	NON-ARTERIAL	30'	± 8% MAX.
COMMERCIAL/INDUSTRIAL	ARTERIAL	30'	± 5% MAX.

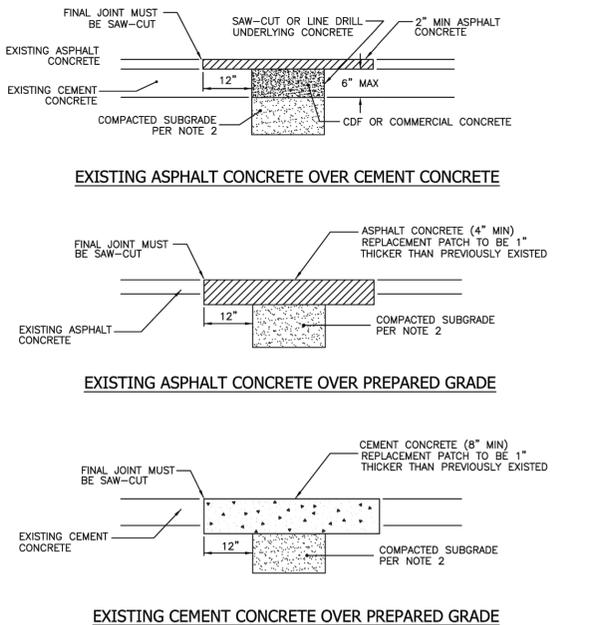
- NOTES:**
- SEE STD DETAIL R-180 FOR CURB DETAILS.
 - WHEN ACCESSING SHOULDERED ROADWAYS, MAINTAIN SHOULDER SLOPE TO PIVOT POINT A.
 - ACCESS POINT GRADE SHALL BE MEASURED FROM PIVOT POINT B.
 - LANDING WIDTH W MAY BE REDUCED SUBJECT TO APPROVAL OF THE CITY ENGINEER.
 - A VERTICAL CURVE SHALL BE CONSTRUCTED TO TRANSITION THE LANDING TO THE ACCESS APPROACH. THE VERTICAL SEPARATION BETWEEN THE CURVE AND A 10-FOOT CHORD OF THE CURVE SHALL NOT EXCEED 3.25 INCHES (WHERE D IS POSITIVE) OR 2.00 INCHES (WHERE D IS NEGATIVE).

CITY OF ARLINGTON	APPROVED BY	L. OLIVE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
	DATE	07/31/2008	STANDARD DETAILS	R-090
	REF STD SPEC		ACCESS POINT GRADES	



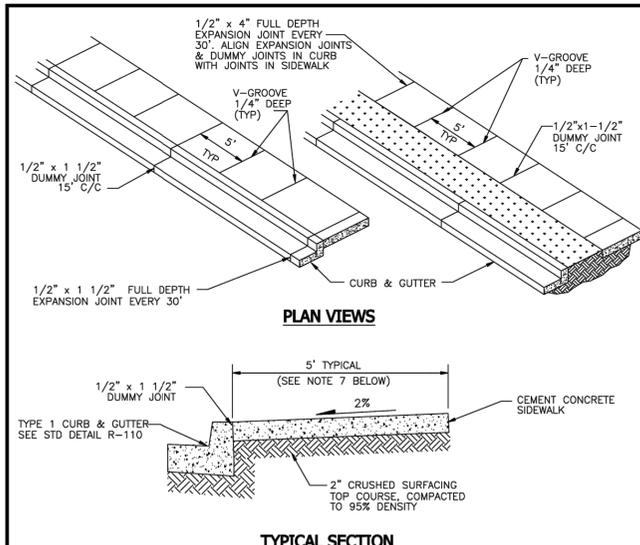
- NOTES:**
- MONUMENTS IN NON-PAVED AREAS SHALL BE 3" ABOVE GRADE.
 - ALL MONUMENTS SHALL BE PRECAST CONC. WITH REBAR AND 2-1/2" DIA BRASS CAP.
 - MONUMENT CASE AND RISER SECTION SHALL BE CAST IRON PER ASTM-A48, CLASS 30, WITH BITUMINOUS COATING.
 - COVER SHALL BE DUCTILE IRON PER ASTM-A536, GRADE 60-55-06, WITH BITUMINOUS COATING.
 - LEGEND ON COVER SHALL BE 1/8" RAISED INTERGRALLY CAST LETTERS 1" HIGH WITH A MIN FACE WIDTH OF 3/16".

CITY OF ARLINGTON	APPROVED BY	L. OLIVE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
	DATE	07/31/2008	STANDARD DETAILS	R-130
	REF STD SPEC		SURVEY MONUMENT	



- NOTES:**
- 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.
 - COMPACTED SUBGRADE MATERIAL SHALL BE PER WSDOT 9-03.9(3), 5/8" MINUS CRUSHED SURFACING OR APPROVED NATIVE MATERIAL. SUBGRADE SHALL BE COMPACTED TO 95% MAXIMUM DENSITY.
 - ALL TEMPORARY PATCHES ON TRENCHES SHALL BE PERMANENTLY PATCHED WITHIN 2 WEEKS OF COMPLETION OF WORK WITHIN THE ROADWAY AREA.

CITY OF ARLINGTON	APPROVED BY	R. MORRISON	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
	DATE	6/20/2011	STANDARD DETAILS	R-140
	REF STD SPEC		ROADWAY PAVEMENT PATCH	



- NOTES:**
- SIDEWALKS SHALL BE A MINIMUM OF 4" THICK, AND SHALL BE CLASS 3000 CEMENT CONCRETE, WITH AIR ENTRAINMENT (MIN 4.5% - MAX 6.5%).
 - FULL EXPANSION JOINTS SHALL GENERALLY BE PLACED TO MATCH THOSE PLACED IN ADJACENT CURB & GUTTER, WITH MAXIMUM SPACING OF 30 FEET. FINAL SPACING DETERMINATION SHALL BE DECIDED BY THE INSPECTOR IN THE FIELD.
 - SUBGRADE SHALL BE COMPACTED TO NOT LESS THAN 95% OF MAXIMUM DENSITY.
 - SIDEWALK SHALL BE AT LEAST 6" THICK IN DRIVEWAYS.
 - THE FINISHED SIDEWALK SHALL BE SPRAYED WITH A TRANSPARENT CURING COMPOUND COVERED BY WATERPROOF PAPER OR PLASTIC SHEETING IN THE EVENT OF RAIN OR OTHER INCLEMENT WEATHER. CURING TIME SHALL BE FOR A MINIMUM OF 72 HOURS.
 - ALL JOINTS SHALL BE CLEANED AND EDGED WITH AN EDGER HAVING A 1/4" RADIUS.
 - SIDEWALKS ARE TYPICALLY 5' WIDE, WIDER SIDEWALK MAY BE REQUIRED BY THE CITY.

CITY OF ARLINGTON	APPROVED BY	L. OLIVE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
	DATE	07/31/2008	STANDARD DETAILS	R-170
	REF STD SPEC		CEMENT CONCRETE SIDEWALK	



"NO PARKING-FIRE LANE" SIGN DETAIL
NOT TO SCALE

PROJECT FILE No. _____

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BY: _____
DEVELOPMENT SERVICES MANAGER

DATE: _____ THIS APPROVAL VALID FOR 18 MONTHS



ENGINEER'S STAMP	
REVISIONS	DESCRIPTION
#	DATE



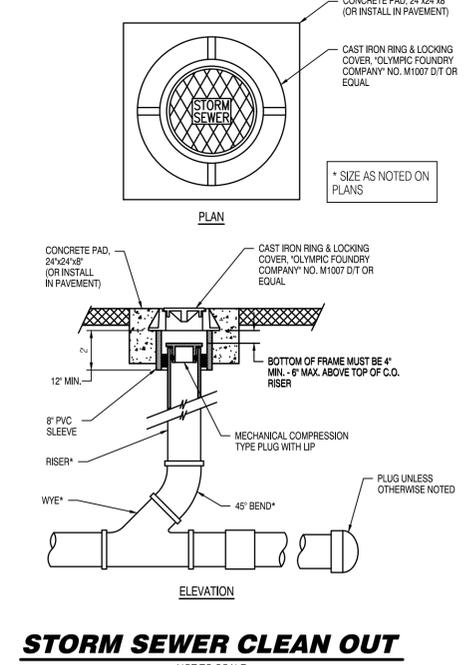
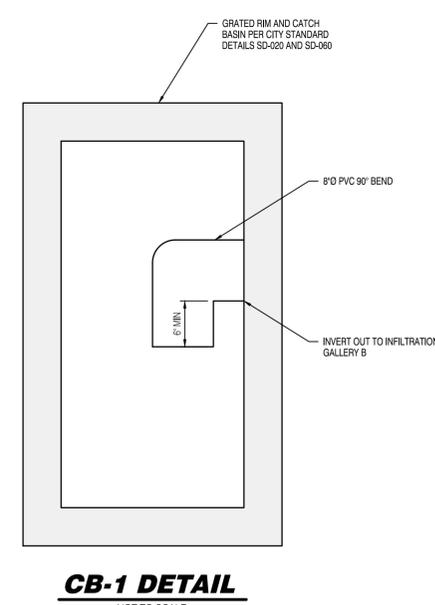
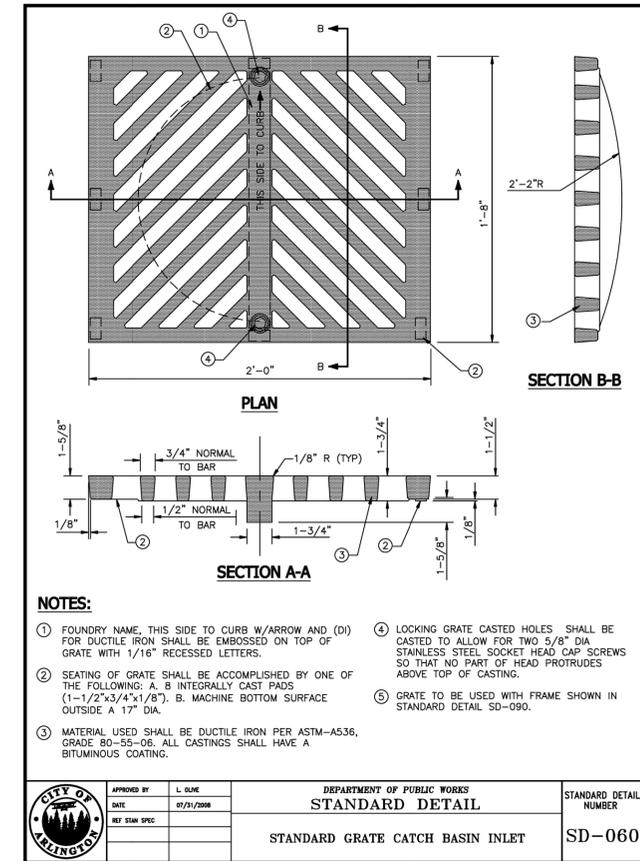
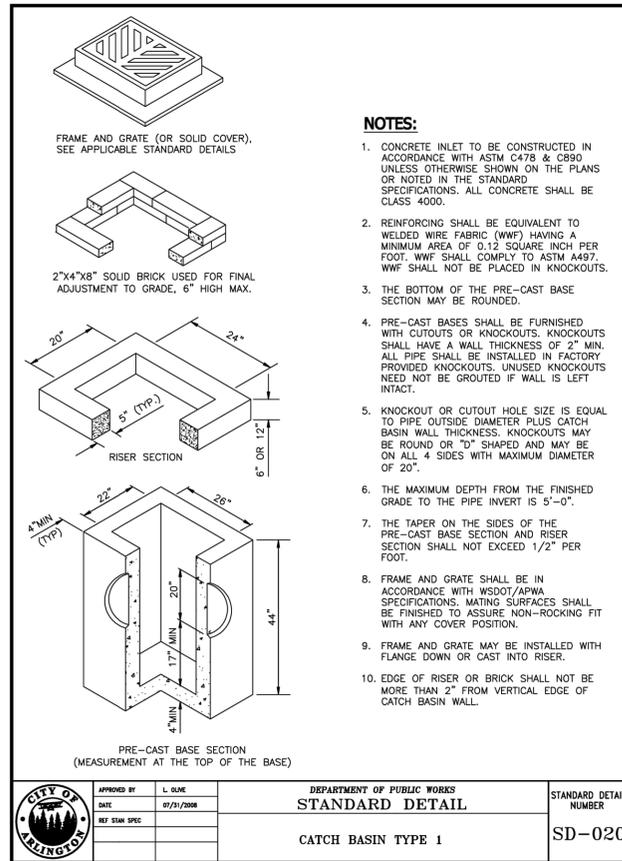
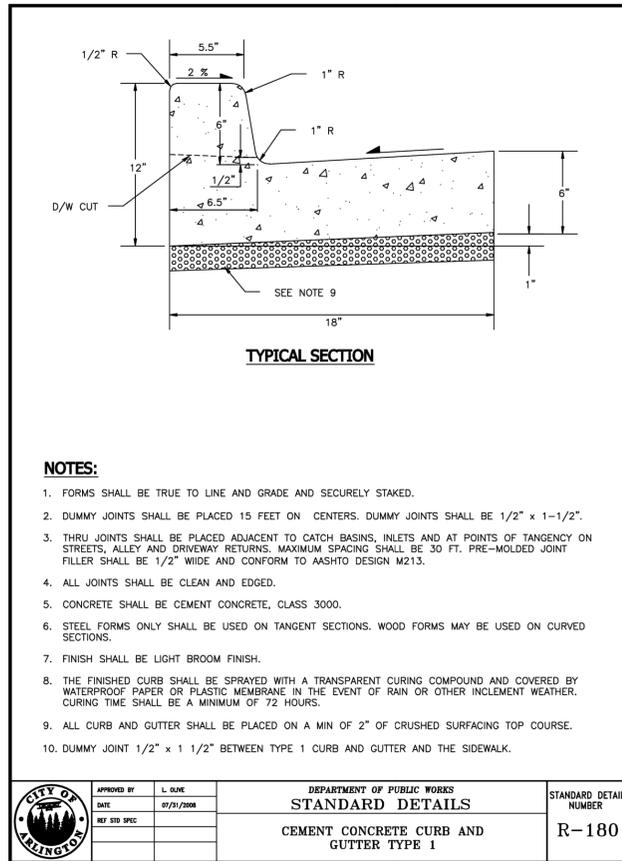
NOTES AND DETAILS

CORSTONE CONTRACTORS, LLC
TAPERT ARLINGTON JENSEN
ARLINGTON, WA

DRAWN BY: KMA
CHECKED BY: TPA
DATE: 5-21-24
JURISDICTION: CITY OF ARLINGTON
JOB NUMBER: 24-0041C

DT-01
10 OF 16

SW 1/4, SE 1/4, SEC 11, T31N, R05E, WM, ARLINGTON, WASHINGTON



ENGINEER'S STAMP

REVISIONS	DESCRIPTION	DATE	#



NOTES AND DETAILS

CORSTONE CONTRACTORS, LLC
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ARLINGTON, WA

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DT-02
11 OF 16



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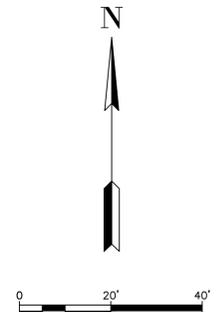
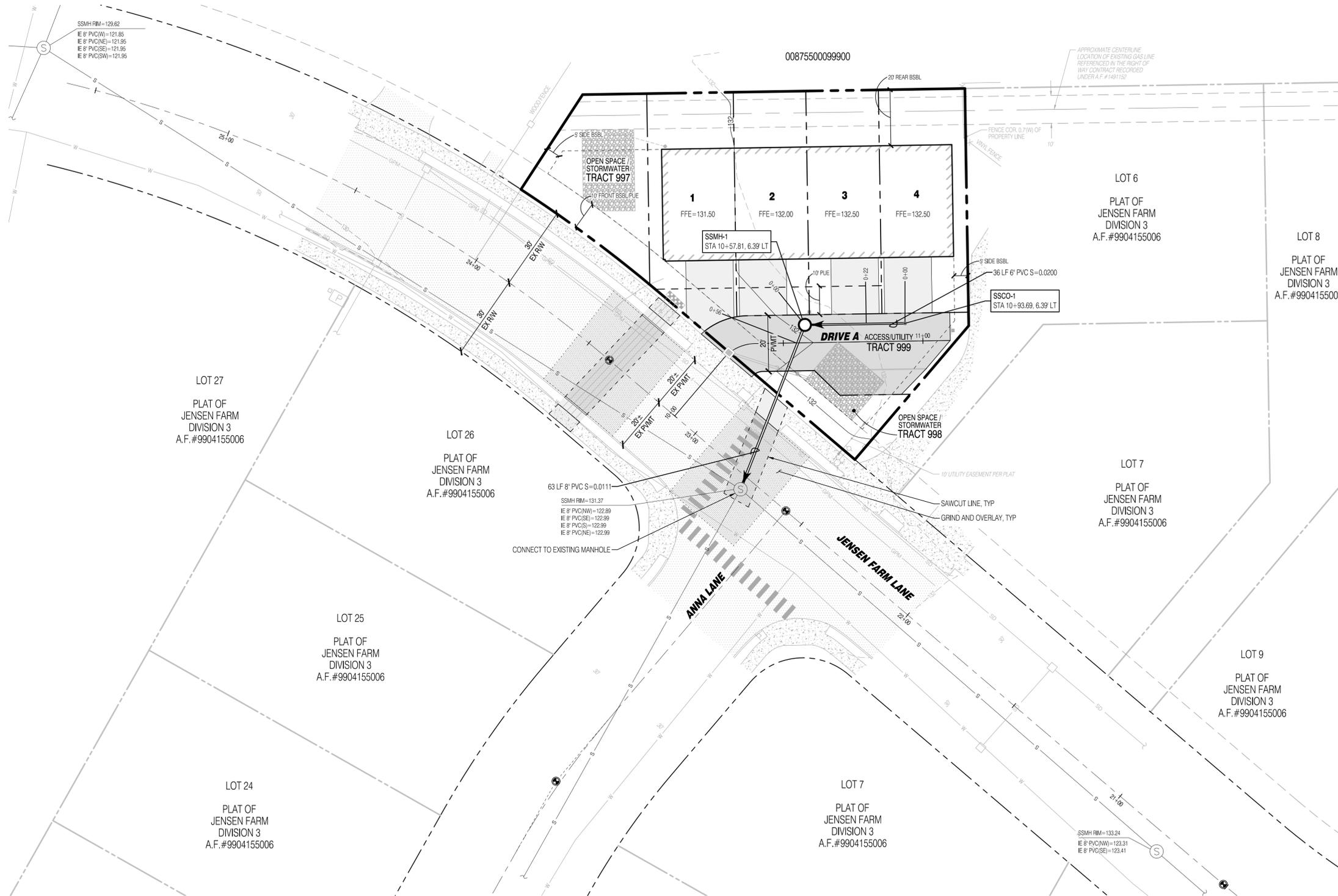
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DEVELOPMENT SERVICES MANAGER

DATE: _____ THIS APPROVAL VALID FOR 18 MONTHS

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SW 1/4, SE 1/4, SEC 11, T31N, R05E, WM, ARLINGTON, WASHINGTON



LEGEND

SYMBOLS	DESCRIPTION
	STORM MAIN PIPE
	SEWER MAIN PIPE
	WATER SERVICE PIPE
	DRAIN PIPE
	ASPHALT PAVEMENT
	2" GRIND AND OVERLAY
	CONCRETE PAVEMENT
	INFILTRATION GALLERY
	NO PARKING SIGN UNLESS OTHERWISE NOTED

SEWER SIDE SERVICE TABLE

LOT/SSCO NO.	DIST TO SERVICE (FROM DOWNSTREAM MANHOLE)	SERVICE LENGTH (LF)	IE AT MAIN (FT)	PAD/RIM ELEVATION (FT)	STUB ELEVATION (FT)	DEPTH (FT)	SLOPE
LOT-1	56.00	29.00	123.55	131.50	125.50	6.00	6.7%
LOT-2	0.00	16.00	123.80	132.50	126.50	6.00	16.9%
LOT-3	22.00	11.00	124.17	132.50	126.50	6.00	21.2%
LOT-4	0.00	11.00	124.52	132.50	126.50	6.00	18.0%

SURVEY DISCLAIMER

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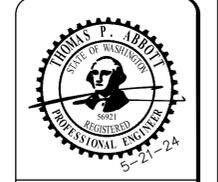
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Solid Ground Engineering
8105 166th Ave NE
Redmond, WA 98052

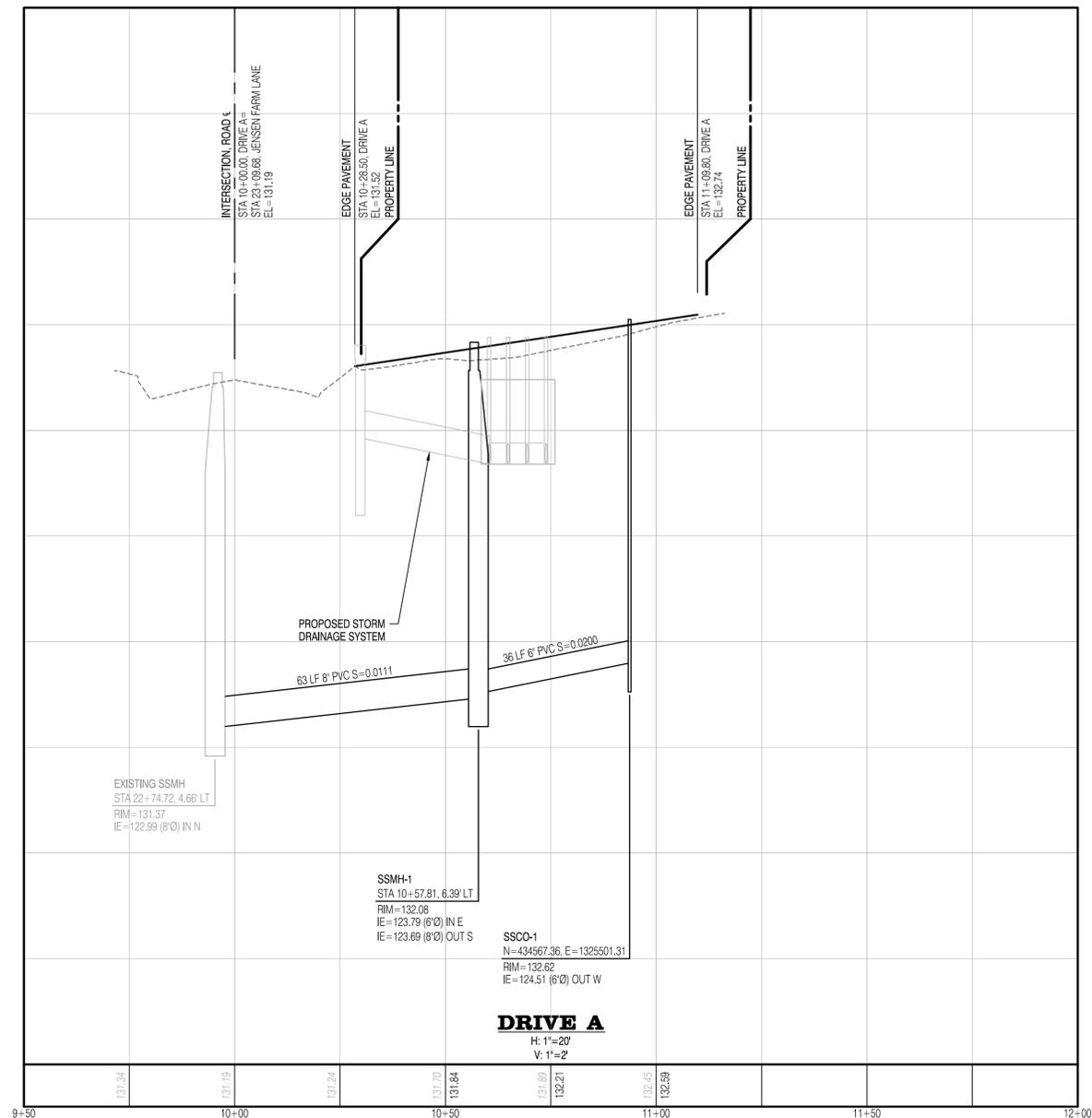
SANITARY SEWER PLAN

CORSTONE CONTRACTORS, LLC
TAPERT ARLINGTON JENSEN
ARLINGTON, WA

DRAWN BY: KMA
CHECKED BY: TPA
DATE: 5-21-24
JURISDICTION: CITY OF ARLINGTON
JOB NUMBER: 24-0041C

SS-01
12 OF 16

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ENGINEER'S STAMP

REVISIONS

#	DATE	DESCRIPTION



SANITARY SEWER PROFILES

CORSTONE CONTRACTORS, LLC
TAPERT ARLINGTON JENSEN
ARLINGTON, WA

DRAWN BY: KMA
 CHECKED BY: TPA
 DATE: 5-21-24
 JURISDICTION: CITY OF ARLINGTON
 JOB NUMBER: 24-0041C

SS-02
13 OF 16

PROJECT FILE No. _____

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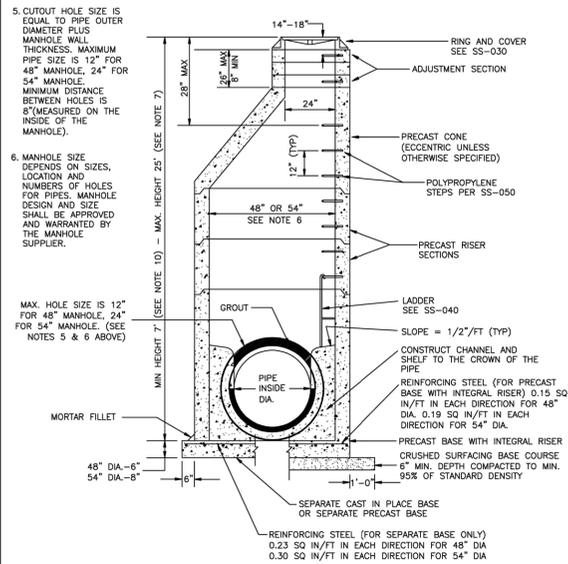
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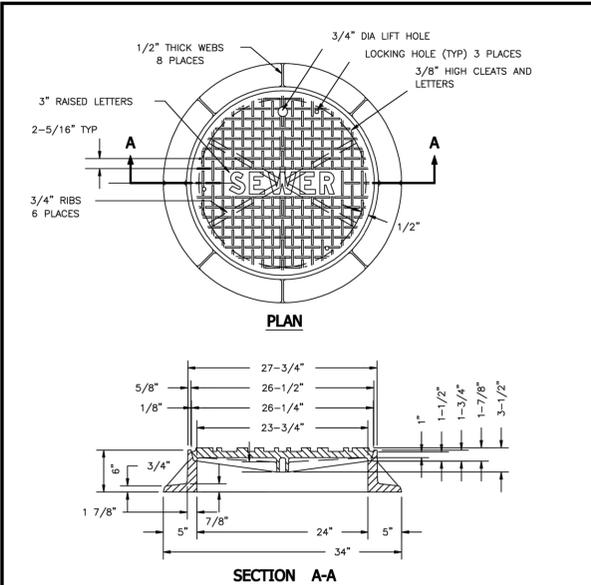


SAFETY IS IN YOUR HANDS. EVERY DIG. EVERY TIME.

- NOTES:**
- MANHOLES TO BE CONSTRUCTED IN ACCORDANCE WITH AASHTO M-198 (ASTM C 478) UNLESS OTHERWISE SHOWN ON PLANS OR NOTED IN STANDARD SPECIFICATIONS.
 - 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.
 - 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.

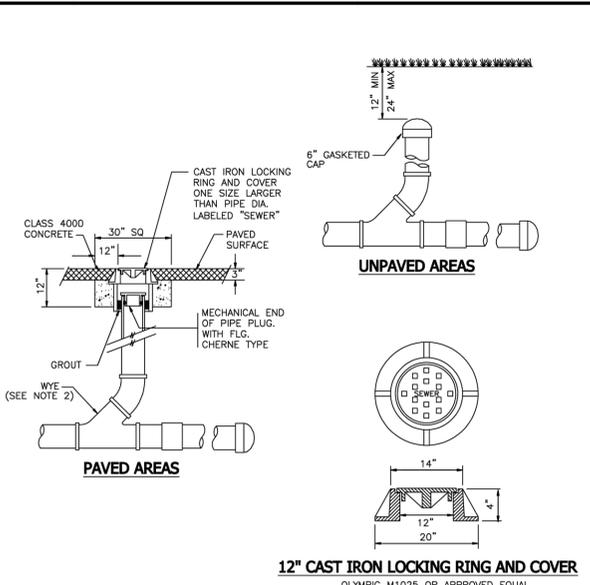


APPROVED BY	L. OLIVE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE	07/31/2008	STANDARD DETAIL	
REF STD SPEC		MANHOLE TYPE I	SS-010



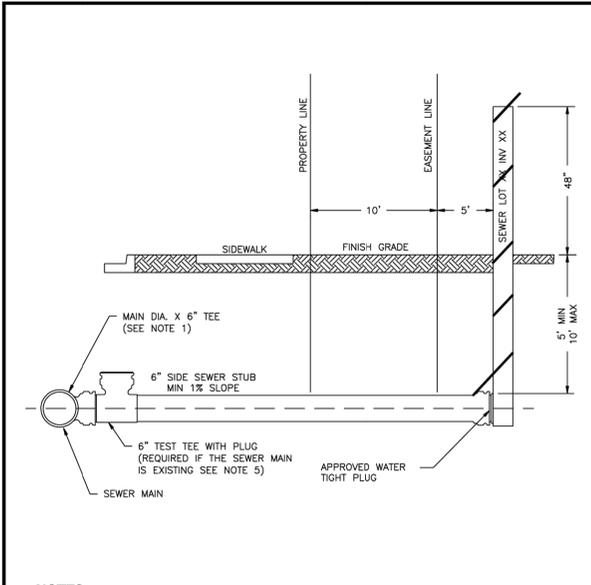
- NOTES:**
- MANHOLE RINGS SHALL BE GRAY IRON CONFORMING TO THE REQUIREMENTS OF AASHTO M 105, GRADE 30B.
 - MANHOLE COVER TO BE DUCTILE IRON CONFORMING TO ASTM A536, GR 80-55-06 OLYMPIC FOUNDRY PART NO. MH30 OR APPROVED EQUAL.
 - LOCKING COVER TO BE USED IN ALL LOCATIONS. THE LID SHALL BE LOCKED DOWN 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	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE	07/31/2008	STANDARD DETAIL	
REF STD SPEC		MANHOLE COVER	SS-030



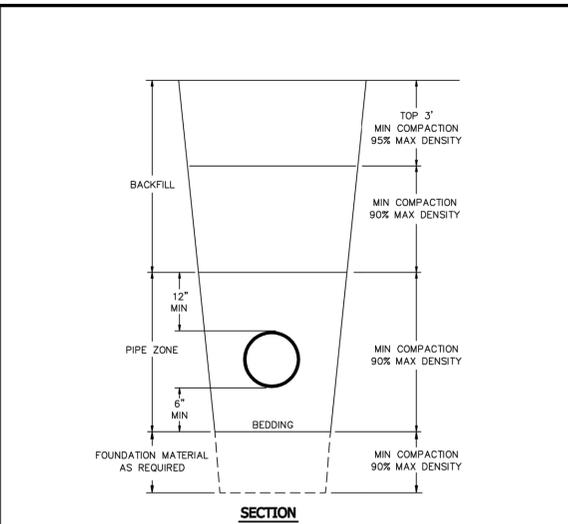
- NOTES:**
- CLEAN-OUT PIPE AND FITTINGS SHALL BE THE SAME MATERIAL AS THE SEWER MAIN.
 - A SANITARY TEE, SWEEP, OR STRAIGHT TEE IS NOT ACCEPTABLE.
 - SEWER STUB WILL BE EXTENDED 10' BEYOND PROPERTY LINE AND 5' BEYOND UTILITY EASEMENTS TO PREVENT DAMAGE TO CLEAN-OUT AND MINIMIZE CONFLICTS WITH OTHER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

APPROVED BY	L. OLIVE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE	07/31/2008	STANDARD DETAIL	
REF STD SPEC		SEWER CLEANOUT	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	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE	07/31/2008	STANDARD DETAIL	
REF STD SPEC		SIDE SEWER STUB	SS-090



- 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	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE	07/31/2008	STANDARD DETAIL	
REF STD SPEC		TRENCH SECTION	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 9" 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.



PROJECT FILE No. _____

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	DESCRIPTION	DATE	#

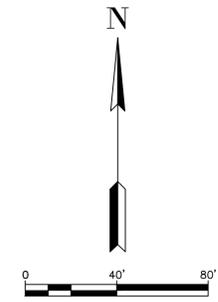
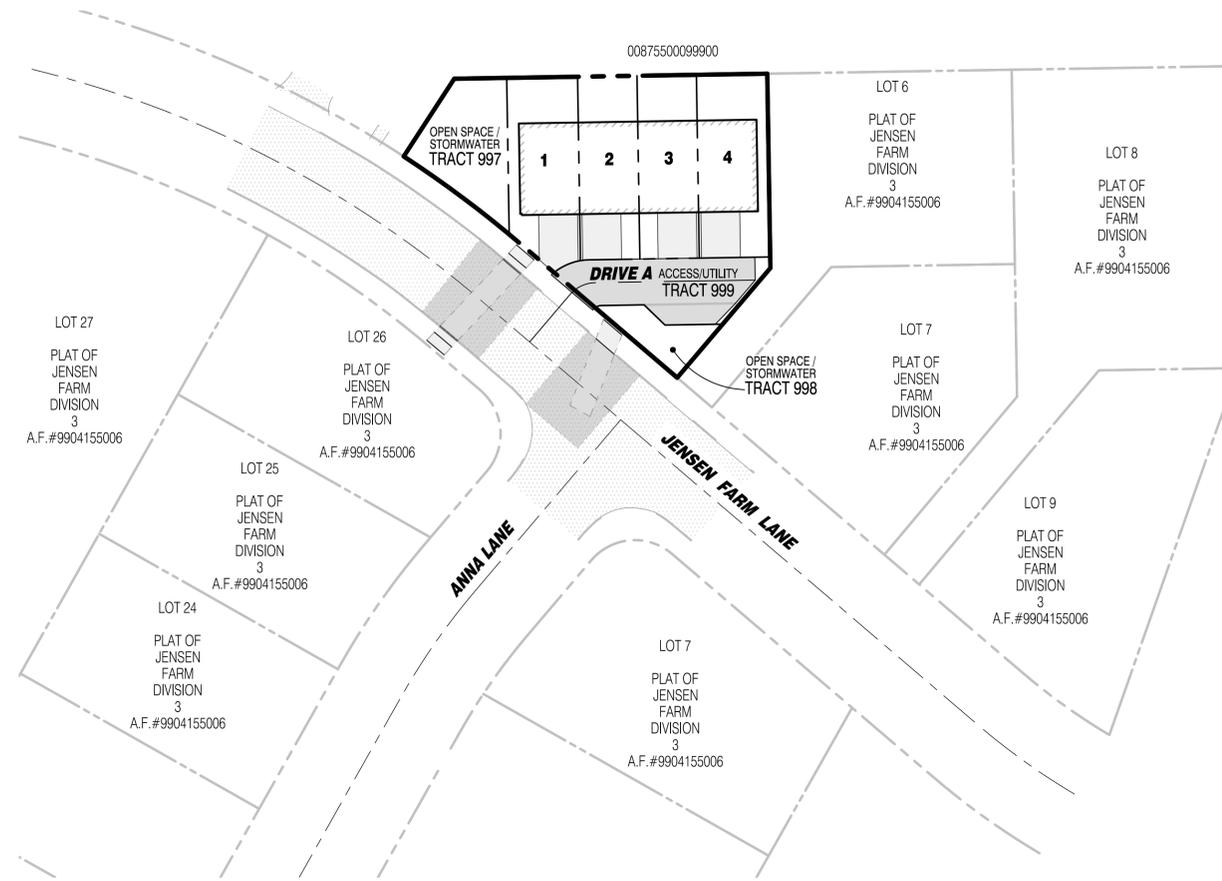
EGE
Solid Ground Engineering
8705 166th Ave NE
Redmond, WA 98052

SANITARY SEWER NOTES AND DETAILS

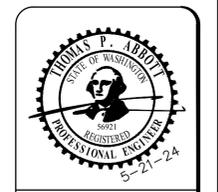
CORSTONE CONTRACTORS, LLC
TAPERT ARLINGTON JENSEN
ARLINGTON, WA

DRAWN BY:	KMA
CHECKED BY:	TPA
DATE:	5-21-24
JURISDICTION:	CITY OF ARLINGTON
JOB NUMBER:	24-0041C

SS-03
14 OF 16



LEGEND
 ■ DEVELOPER TO SUPPLY AND INSTALL (1) 4 UNIT CBU. CBUS TO BE FACING STREET WITH FRONT LOCATED 16'-18" FROM EDGE OF PAVEMENT.



ENGINEER'S STAMP

#	DATE	DESCRIPTION

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

MAILBOX PLAN

CORSTONE CONTRACTORS, LLC
TAPERT ARLINGTON JENSEN
 ARLINGTON, WA

DRAWN BY:	KMA
CHECKED BY:	TPA
DATE:	5-21-24
JURISDICTION:	CITY OF ARLINGTON
JOB NUMBER:	24-0041C

MB-01
16 OF 16

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