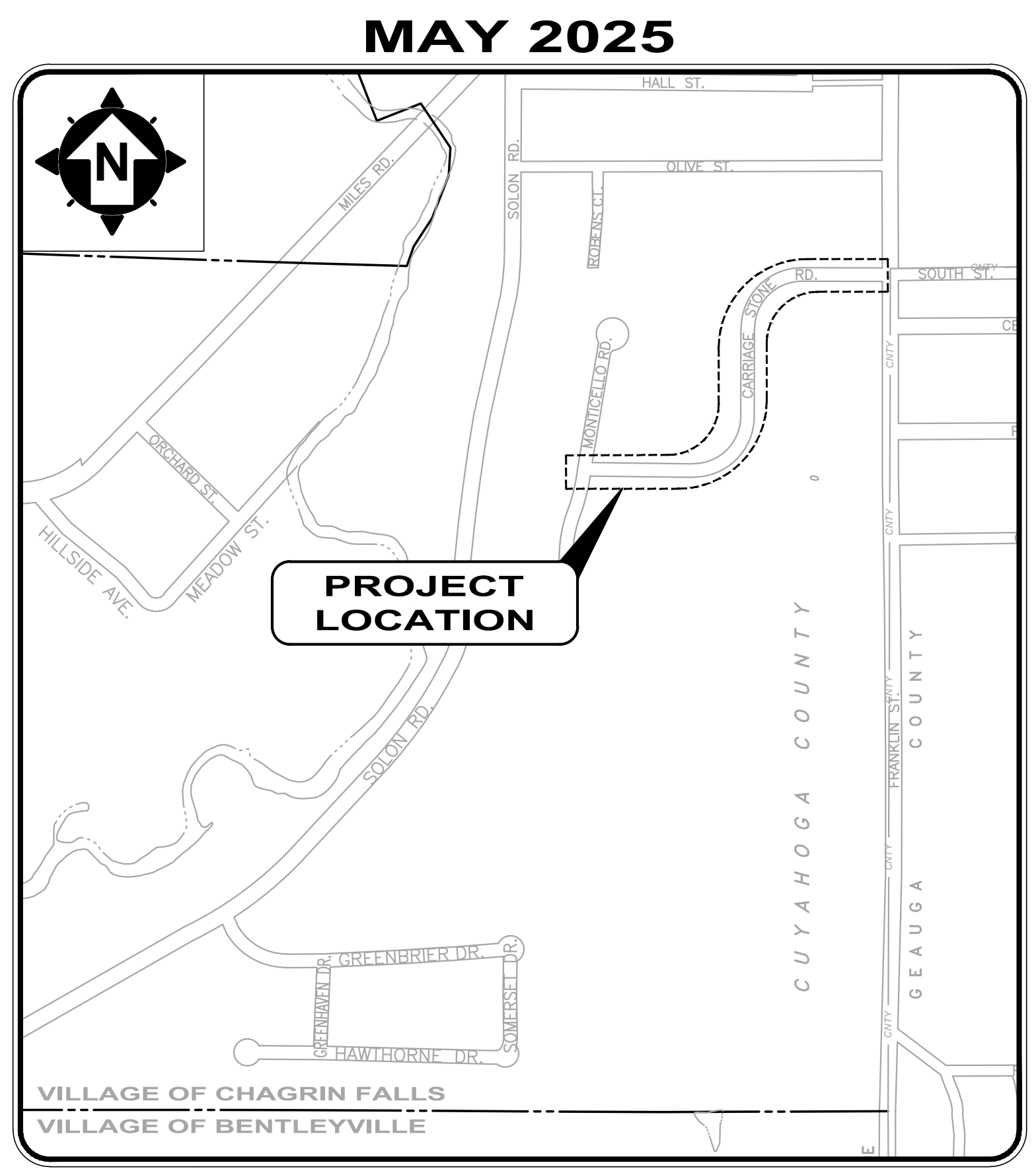


VILLAGE OF CHAGRIN FALLS CARRIAGE STONE DR SIDEWALK IMPROVEMENTS CUYAHOGA COUNTY, OHIO



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9 - 14	DRIVE PROFILES
15 - 17	CONSTRUCTION DETAILS



LOCATION MAP
NOT TO SCALE



OHIO 811 DESIGN SERIAL NUMBERS & UTILITY MEMBER LIST:
CARRIAGE STONE DR. #A405201555 AND #A405201569



MEMBERS OF COUNCIL:

- ANGELA DEBERNARDO, COUNCIL PRESIDENT
- NANCY ROGOFF, PRESIDENT PRO-TEM
- ANDREW ROCKEY, COUNCIL REPRESENTATIVE
- BRIAN DRUM, COUNCIL REPRESENTATIVE
- DON GUTIERREZ, COUNCIL REPRESENTATIVE
- ERINN GRUBE, COUNCIL REPRESENTATIVE
- MICHAEL CORKRAN, COUNCIL REPRESENTATIVE

VILLAGE OFFICIALS:

- WILLIAM TOMKO, MAYOR
- ROB JAMIESON, CHIEF ADMINISTRATIVE OFFICER
- ANGELA GERGYE, DIRECTOR OF FINANCE / CLERK OF COUNCIL
- DALE MARKOWITZ, LAW DIRECTOR
- GLENN ELLIOTT, UTILITIES SUPERINTENDENT
- JOHN BROCKWAY, SUPERINTENDENT OF STREETS
- TIM LANNON, PE, VILLAGE ENGINEER



ENGINEER:

VERDANTAS
8150 STERLING COURT
MENTOR, OHIO 44060

(440) 951-9000 PHONE
(440) 951-7487 FAX

PROJECT SITE:

THIS PROJECT IS LOCATED ALONG CARRIAGE STONE DR. BETWEEN ITS INTERSECTIONS WITH MONTICELLO DR AND S FRANKLIN ST, LOCATED IN THE VILLAGE OF CHAGRIN FALLS, CUYAHOGA COUNTY, OHIO.

- 1. AT&T
- 2. CHARTER COMMUNICATIONS (SPECTRUM / TIME WARNER CABLE)
- 3. DOMINION ENERGY OHIO
- 4. EVERSTREAM SOLUTIONS
- 5. THE ILLUMINATING CO.
- 6. VILLAGE OF CHAGRIN FALLS

- 1. UNDERGROUND BUILDING SERVICE UTILITY LINES ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, MAINTAINING AND REPLACING AS NECESSARY TO ENSURE CONTINUAL SERVICE TO BUILDINGS.
- 2. THE CONTRACTOR IS RESPONSIBLE TO CALL OHIO UTILITIES PROTECTION SERVICE @ 1-800-362-2764, THREE WORKING DAYS PRIOR TO CONSTRUCTION.

ENGINEER'S PROJECT No. 24025503

AA Cyvas

ALEKSA A. CYVAS, PE E-88001



5/9/2025
DATE

VILLAGE OF CHAGRIN FALLS
CARRIAGE STONE DR SIDEWALK IMPROVEMENTS
CHAGRIN FALLS CUYAHOGA COUNTY, OHIO

COVER SHEET

PROJECT NO. 24025503	
DISCIPLINE CIVIL	
SHEET NAME CV - 1	
SHEET 1	OF 17

GENERAL

1.

A PRE-CONSTRUCTION CONFERENCE SCHEDULED BY THE ENGINEER SHALL BE HELD PRIOR TO ANY WORK STARTING. IN ADDITION, THE CONTRACTOR SHALL PROVIDE 48 HOURS NOTICE TO THE VILLAGE .
2.

THE STANDARD SPECIFICATIONS OF THE OHIO DEPARTMENT OF TRANSPORTATION, LATEST EDITION, INCLUDING ALL SUPPLEMENTAL SPECIFICATIONS AND STANDARD DRAWINGS, SHALL GOVERN ALL WORK NOT COVERED BY THE SPECIFICATIONS. ALL WORK CONTEMPLATED SHALL BE GOVERNED BY THE RULES, REGULATIONS AND SPECIFICATIONS OF THE VILLAGE OF CHAGRIN FALLS.
3.

ALL WORK COMPLETED UNDER THIS CONTRACT SHALL COMPLY WITH THE U.S. DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT.
4.

ANY DEFECT IN MATERIAL OR WORKMANSHIP REVEALED BY INSPECTION MUST BE CORRECTED BY THE CONTRACTOR AT NO COST TO THE VILLAGE AND TO THE FULL SATISFACTION OF THE VILLAGE AND ENGINEER BEFORE ACCEPTANCE OF THE WORK AND RELEASE OF FINAL ESTIMATE AND PAYMENT THEREOF.
5.

THE CONTRACTOR SHALL PROVIDE A PRE-CONSTRUCTION VIDEO SURVEY OF THE ENTIRE PROJECT AREA. ANY DAMAGE DEEMED TO BE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED AT HIS OWN EXPENSE.
6.

MANHOLES, CATCH BASINS, MONUMENT BOXES, WATER VALVE BOXES AND OTHER CASTINGS WILL BE RAISED OR LOWERED FLUSH WITH THE NEW SURFACE. ANY METER OR VALVE BOX ENCOUNTERED WITHIN THE WORK SITE SHALL BE EXPOSED. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR OTHER ITEMS OF WORK EXCEPT WHEN BID AS A SEPARATE ITEM.
7.

BEFORE THE VILLAGE WILL APPROVE AND ACCEPT THE WORK AND RELEASE THE GUARANTY RETAINER, THE CONTRACTOR SHALL FURNISH THE VILLAGE A WRITTEN REPORT INDICATING THE RESOLUTION OF ANY AND ALL PROPERTY DAMAGE CLAIMS FILED WITH THE CONTRACTOR BY ANY PARTY DURING THE CONSTRUCTION PERIOD. THE INFORMATION TO BE SUPPLIED SHALL INCLUDE, BUT NOT BE LIMITED TO, NAME OF CLAIMANT, DATE FILED WITH CONTRACTOR, NAME OF INSURANCE COMPANY AND/OR ADJUSTER HANDLING CLAIM, HOW CLAIM WAS RESOLVED AND IF CLAIM WAS NOT RESOLVED FOR THE FULL AMOUNT, A STATEMENT INDICATING THE REASON FOR SUCH ACTION.
8.

MATERIAL SPECIFICATIONS CALLED FOR ON THE PLANS REPRESENT THE MINIMUM REQUIRED FOR EACH APPLICATION. THE OWNER MAY REQUEST OR THE CONTRACTOR MAY DESIRE TO SUBSTITUTE ALTERNATE MATERIALS. ANY SUCH SUBSTITUTIONS MUST BE EQUIVALENT IN QUALITY TO THE MATERIAL CALLED FOR AND MUST BE APPROVED IN WRITING BY THE ENGINEER.
9.

THE CONTRACTOR SHALL REMOVE AND REPLACE ALL MAILBOXES, TRAFFIC SIGNS, ETC. AS REQUIRED FOR CONSTRUCTION. ALL COSTS ASSOCIATED FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES STIPULATED FOR THE VARIOUS ITEMS IN THE BID PROPOSAL.

TRAFFIC CONTROL

1.

THE CONTRACTOR SHALL PHASE CONSTRUCTION SUCH THAT AT A MINIMUM, ONE ACCESS LANE IS AVAILABLE FOR LOCAL VEHICULAR TRAFFIC. THE PAVEMENT SURFACE SHALL HAVE A UNIFORM SURFACE TO THE SATISFACTION OF THE VILLAGE SUPERINTENDENT. THE SAME ACCESS SHALL BE MAINTAINED TO ALL DRIVEWAYS.
2.

SIDEWALK ACCESS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. ACCESS TO BUSINESSES ABUTTING THE SIDEWALK SHALL BE MAINTAINED AND CLEANED OF MUD, DUST, AND LOOSE STONES ON A DAILY BASIS.
3.

ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH LATEST EDITION OF THE "OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES".
4.

THE CONTRACTOR SHALL SUBMIT A PROPOSED TRAFFIC CONTROL PLAN FOR REVIEW AND ACCEPTANCE BY THE VILLAGE PRIOR TO BEGINNING WORK AND SHALL NOTIFY SAFETY SERVICES OF ANY TRAFFIC DISRUPTIONS.
5.

NO CHANGE IN TRAFFIC PATTERN SHALL BE MADE WITHOUT PRIOR NOTIFICATIONS TO THE TRAFFIC CONTROL OFFICER TWENTY-FOUR (24) HOUR ADVANCE SHALL BE GIVEN TO THE CHAGRIN FALLS POLICE DEPARTMENT AND MR. ROB JAMIESON AT (440) 247-5053.
6.

PROVIDE DETOUR PLAN FOR ALL CLOSURES OR PARTIAL CLOSURES.

EXCAVATION, BACKFILL, AND SEWER REPLACEMENT

1.

BACKFILL FOR ALL UNDERGROUND UTILITIES INSTALLED UNDER PAVEMENT, SIDEWALK, AND STRUCTURES OR WITHIN A 1:1 ZONE OF INFLUENCE PARALLEL OR TRANSVERSE TO PAVEMENT, SIDEWALK OR STRUCTURES SHALL BE " COMPACTED BACKFILL" OR "COMPACTED GRANULAR BACKFILL" AS DESCRIBED IN SPECIFICATIONS, IF DIRECTED BY THE ENGINEER. ON-SITE SOILS MAY BE USED FOR "COMPACTED BACKFILL" MATERIALS. IF APPROVED BY THE ENGINEER, NO SLAG OR RECYCLED CONCRETE PRODUCTS WILL BE PERMITTED FOR BEDDING OR BACKFILL MATERIAL.
2.

BACKFILL SHALL BE COMPACTED IN LAYERS NOT EXCEEDING 9" IN DEPTH. BACKFILL MATERIAL SHALL BE PLACED WITH 2% OF THE OPTIMUM MOISTURE. THE ENGINEER MAY ORDER THE REMOVAL, REFILLING, RE-COMPACTION AND RETESTING OF ALL BACKFILL NOT MEETING THE REQUIREMENTS OF THE CONTRACT.
3.

BACKFILL MATERIAL SHALL BE PLACED AND COMPACTED USING MACHINE MOUNTED COMPACTION EQUIPMENT IN LAYERS SUFFICIENT TO MEET THE COMPACTION REQUIREMENT ODOT 203.
4.

NO BACKFILLING OF ANY TRENCHES OR EXCAVATIONS WILL BE PERMITTED WITHOUT TAMPING EQUIPMENT BEING USED. FLOODING, JETTING OR PUDDLING OF BACKFILL WILL NOT BE PERMITTED.
5.

ALL EXCAVATION SHALL BE CONSIDERED UNCLASSIFIED. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR ROCK OR SHALE EXCAVATION.
6.

THE OWNER AND THE ENGINEER DO NOT GUARANTEE THE SUITABILITY OR SUGGEST THAT THE EXISTING EXCAVATED MATERIAL IN ITS PRESENT STATE WILL CONSIST OF THE PROPER MOISTURE CONTENT TO ACHIEVE THE REQUIRED COMPACTION WITHOUT DRYING OR ADDING WATER TO THE MATERIAL. UPON REQUEST, THE OWNER WILL PROVIDE ACCESS TO THE SITE FOR THE CONTRACTOR TO CONDUCT SUCH INVESTIGATIONS AND TESTS DEEMED NECESSARY TO MAKE HIS DETERMINATION.
7.

THE CONTRACTOR SHALL REPLACE ANY PAVEMENT MARKINGS, SUCH AS CROSS WALKS, STOP LINES, EDGE LINES, CENTER LINES, ETC. ANY PAVEMENT REMOVED CONTAINING BRICKS SHALL BE TRUCKED TO THE VILLAGE SERVICE DEPARTMENT.

VEGETATION/TREE PROTECTION

1.

ANY EXTENSIVE LANDSCAPING DISTURBED BY CONSTRUCTION WORK SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE VILLAGE.
2.

ANY DECORATIVE STONE OR SIGN OR PERSONAL ITEM REMOVED TO INSTALL SIDEWALK SHALL BE RETURNED TO THE RELEVANT HOME OWNER.
3.

TREE REMOVAL SHALL BE LIMITED TO THAT NECESSARY FOR CONSTRUCTION AND WILL BE LIMITED TO THE ROAD RIGHT-OF-WAY AND EASEMENTS.
4.

NO TREE REMOVAL WILL BE PERMITTED WITHOUT PERMISSION OF THE ENGINEER AND THE PROPERTY OWNER.
5.

TREES WHICH ARE NOT REMOVED WILL BE PROTECTED BY ENSURING THAT TREES TO BE REMOVED ARE FELLED SO AS NOT TO INJURE THE REMAINING TREES.
6.

AT NO TIME SHALL SOIL, CONSTRUCTION EQUIPMENT OR OTHER MATERIAL BE STORED NEXT TO OR WITHIN THE DRIP-LINE OF TREES.
7.

TREES SHOULD BE CUT SEASONALLY, BETWEEN OCTOBER 1 TO MARCH 30 TO AVOID IMPACTING BAT SPECIES USING TREE HABITAT.
8.

TRIM TREES AND SHRUBS TO 8' ABOVE AND 1' BEYOND EDGE OF WALK.

SERVICE CONNECTIONS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION OF THE EXISTING UTILITY OWNERS LISTED BELOW AND THE UTILITY PROTECTION SERVICE IN ACCORDANCE WITH SECTION 153.64 OF THE OHIO REVISED CODE AND OUTLINED IN PROJECT SPECIFICATIONS. THE UTILITY OWNERSHIPS ARE AS FOLLOWS:

VILLAGE OF CHAGRIN FALLS 21 W. WASHINGTON STREET CHAGRIN FALLS, OHIO 44022 (440) 247-5051	DOMINION EAST OHIO 320 SPRINGSIDE DRIVE, STE. 320 AKRON, OH 44333 ATTN.: WILLIAM SNYDER (330) 664-2409	AT&T 13630 LORAIN AVE., 2ND FLOOR CLEVELAND, OH 44111 ATTN.: JAMES JANIS (216) 476-6142
THE ILLUMINATING COMPANY 7755 AUBURN RD. PAINESVILLE, OH 44077 ATTN.:FRED RANDOLPH (440) 358-4991	CHARTER COMMUNICATIONS 14300 S. INDUSTRIAL AVENUE MAPLE HEIGHTS, OH 44137 ATTN.: LOUIE RUBERTINO (216) 581-3262	

PROPERTY PINS AND MONUMENTS

1.

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EMPLOY A REGISTERED SURVEYOR TO LOCATE, RECORD, AND MARK ALL EXISTING MONUMENTS AND PROPERTY CORNERS WITHIN THE CONSTRUCTION LIMITS OF THE PROPOSED WORK AREA. A LISTING OF THE PINS AND MONUMENTS SHALL BE SUPPLIED TO THE VILLAGE ENGINEER PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL PROTECT ALL PINS AND MONUMENTS DURING CONSTRUCTION. IF PINS AND MONUMENTS ARE DISTURBED DURING CONSTRUCTION, THE CONTRACTOR SHALL HAVE THEM REPLACED BY THE REGISTERED SURVEYOR AT NO ADDITIONAL COST TO THE VILLAGE.

EXCESS EXCAVATION

1.

ALL EXCESS EXCAVATION SHALL BE DISPOSED OF IN A LOCATION TO BE SELECTED BY THE CONTRACTOR. THE CONTRACTOR MUST OBTAIN A PERMIT FROM THE VILLAGE OF CHAGRIN FALLS IF THE MATERIAL IS TO BE DISPOSED OF WITHIN THE VILLAGE LIMITS.

AIR/NOISE CONTROL

1.

CONSTRUCTION ACTIVITIES WILL BE LIMITED FROM 7 AM TO 7 PM, UNLESS APPROVED IN ADVANCE BY THE VILLAGE.

EROSION AND DUST CONTROL

1.

SEDIMENT CONTROL SHALL BE ACCOMPLISHED BY SODDING AND MULCHING IMMEDIATELY UPON COMPLETION OF EXCAVATION OR FILL AND FINISH GRADING IN ACCORDANCE WITH ODOT ITEM 659 OR AS DIRECTED BY THE ENGINEER.
2.

THE CONTRACTOR SHALL BEGIN THE RESTORATION PROCESS AS SOON AS CONSTRUCTION IS COMPLETED, PERMANENTLY STABILIZING EACH DISTURBED AREA WITH PERENNIAL VEGETATION INSTALLED ACCORDING TO SOIL CONSERVATION SERVICE STANDARDS AND SPECIFICATIONS.
3.

THE CONTRACTOR SHALL REMOVE DAILY ALL MUD, SOIL AND DEBRIS THAT MAY BE TRACKED ONTO EXISTING STREETS OR DRIVES BY HIS EQUIPMENT OR THAT OF SUBCONTRACTORS OR SUPPLIERS.
4.

ALL MATERIALS TO BE DISPOSED OF OFF-SITE MUST BE DISPOSED OF IN AN ENVIRONMENTALLY SOUND MANNER IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. NO EXCESS MATERIALS ARE TO BE DISPOSED OF IN ANY WETLAND, FLOOD PLAIN OR OTHER ENVIRONMENTALLY SENSITIVE AREA.
5.

EROSION CONTROL MEASURES AT THE DISPOSAL SITE MUST BE INSTALLED AND MAINTAINED UNTIL DISPOSAL IS COMPLETE AND THE DISPOSAL SITE IS PERMANENTLY STABILIZED.
6.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO APPLY, WHEN ORDERED BY THE ENGINEER, WATER OR CALCIUM CHLORIDE FOR THE REDUCTION OF DUST NUISANCE ORIGINATING FROM HIS CONSTRUCTION ACTIVITIES. SUFFICIENT QUANTITIES OF CALCIUM CHLORIDE OR WATER SHALL BE STORED ON THE JOBSITE AT ALL TIMES TO BE USED FOR DUST CONTROL UNTIL THE AREA IS SEEDED. THE COST OF WATER OR CALCIUM CHLORIDE DUST CONTROL SHALL BE INCLUDED IN THE APPROPRIATE UNIT BID PRICE.

PROHIBITED CONSTRUCTION ACTIVITIES

1.

DISPOSING OF EXCESS OR UNSUITABLE EXCAVATED MATERIAL IN WETLANDS OR FLOODPLAINS, EVEN WITH THE PERMISSION OF THE PROPERTY OWNER.
2.

LOCATING STOCKPILE STORAGE AREAS IN ENVIRONMENTALLY SENSITIVE AREAS.
3.

DAMAGING VEGETATION OUTSIDE OF THE CONSTRUCTION AREA.
4.

DISPOSING OF TREES, BRUSH AND OTHER DEBRIS IN ANY STREAM CORRIDORS, ANY WETLANDS, ANY SURFACE WATERS OR AT UNSPECIFIED LOCATIONS.
5.

CLOSING OFF CLEAR ACCESS TO ANY PUBLIC ALLEY, STREET, ROAD, AVENUE OR BOULEVARD WITHOUT THE PRIOR CONSENT OF MUNICIPAL OFFICIALS AND THE ENGINEER, AND CLOSING CLEAR ACCESS:

5.1.

BY FIRE PROTECTION AND EMERGENCY VEHICLES;

5.2.

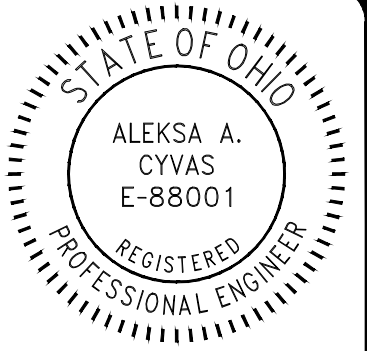
BY THE PUBLIC TO ANY COMMERCIAL OR PROFESSIONAL PLACE OF BUSINESS, QUASI-PUBLIC OR PUBLIC ESTABLISHMENT, OR PLACE OF RESIDENCE; OR

5.3.

BY VEHICLES TO DRIVEWAYS WITHOUT THE PROVISION OF ALTERNATIVE MEANS OF BUILDING INGRESS AND EGRESS.

5.4.

CONSTRUCTION STAGING OF VEHICLES, SOIL, OR CONSTRUCTION MATERIALS SHOULD NOT BE ON OR NEAR THE RIVERBANK AS WELL

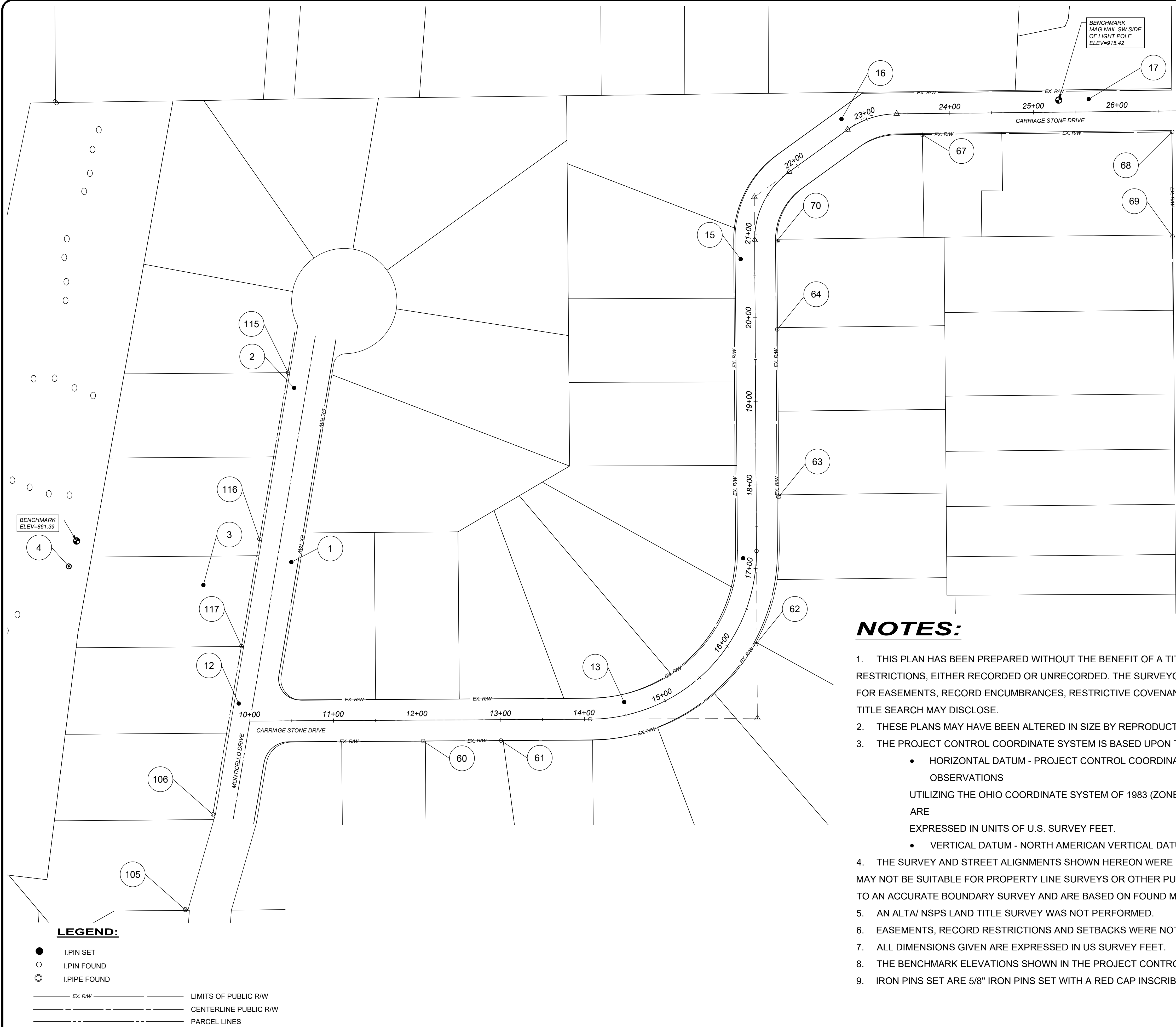


ISSUED FOR:	REVIEW	NO	REVISION	DATE
DESIGNED BY:	05/08/2025			
DRAWN BY:	AS SHOWN			
CHECKED BY:	LMM			
	LMM			
	AAC			

VILLAGE OF CHAGRIN FALLS
CARRIAGE STONE DR SIDEWALK IMPROVEMENTS
CHAGRIN FALLS CUYAHOGA COUNTY, OHIO

GENERAL NOTES

PROJECT NO.	
24025503	
DISCIPLINE	
CIVIL	
SHEET NAME	
GN - 1	
SHEET	OF
2	17



POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	641723.9161	2271333.7987	878.57	Iron Pin (Set)
2	641932.2902	2271337.1528	887.55	Iron Pin (Set)
3	641696.6340	2271228.6678	868.92	Iron Pin (Set)
5	641818.5286	2270906.1797	861.24	Iron Pin (Set)
12	641554.9497	2271270.8961	894.13	Iron Pin (Set)
13	641556.7440	2271731.8030	907.75	Iron Pin (Set)
14	641728.7191	2271874.0571	913.89	Iron Pin (Set)
15	642086.2439	2271871.1583	915.90	Iron Pin (Set)
16	642253.7034	2271991.7256	914.21	Iron Pin (Set)
17	642277.5527	2272287.2878	915.21	Iron Pin (Set)
50	641749.2931	2271077.1636	861.39	Benchmark (Set)
60	641510.1229	2271491.2817	900.51	Iron Pin (Fnd)
61	641510.6279	2271584.3530	902.34	Iron Pin (Fnd)
62	641625.8499	2271889.3554	912.33	Iron Pin (Fnd)
63	641802.0869	2271916.4697	914.11	Iron Pipe (Fnd)
64	642002.1571	2271914.9338	915.90	Iron Pin (Fnd) 5-8 PIN
66	642276.4325	2272251.5800	915.42	Benchmark (Set)
67	642235.0100	2272088.5945	912.77	Iron Pin (Fnd)
68	642238.4360	2272387.1108	915.41	Iron Pin (Fnd)
69	642113.3663	2272387.5474	916.04	Iron Pin (Fnd)
70	642108.0401	2271914.1292	915.84	SCIPif
105	641308.5543	2271206.9001	875.61	Iron Pipe (Fnd)
106	641422.3376	2271239.9774	892.68	Iron Pin (Fnd)
110	641661.9302	2270927.4914	859.34	Iron Pin (Fnd)
113	642274.8280	2271051.2089	872.64	Iron Pin (Fnd)
114	642272.7525	2271053.1728	871.12	Iron Pin (Fnd)
115	641950.6454	2271329.9763	889.09	Iron Pin (Fnd)
116	641751.7540	2271295.6344	875.28	Iron Pin (Fnd)
117	641623.5683	2271274.2009	890.05	Iron Pin (Fnd)
118	641763.4668	2270934.1204	860.08	Traverse Point
150	642288.4140	2272416.6530	914.64	Monument Box (Fnd)
151	642259.9180	2270161.7190	853.47	Monument Box (Fnd)
152	642261.4820	2270163.0580	853.46	Monument Box (Fnd)

NOTES:

- THIS PLAN HAS BEEN PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND MAY BE SUBJECT TO EASEMENTS AND OTHER RESTRICTIONS, EITHER RECORDED OR UNRECORDED. THE SURVEYOR HAS MADE NO INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS, RECORD ENCUMBRANCES, RESTRICTIVE COVENANTS OR ANY OTHER FACTS THAT AN ACCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE.
- THESE PLANS MAY HAVE BEEN ALTERED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.
- THE PROJECT CONTROL COORDINATE SYSTEM IS BASED UPON THE FOLLOWING:
 - HORIZONTAL DATUM - PROJECT CONTROL COORDINATES FOR THIS PROJECT HAVE BEEN ESTABLISHED BY GPS/RTK OBSERVATIONS
UTILIZING THE OHIO COORDINATE SYSTEM OF 1983 (ZONE 3401-OHIO NORTH). OHIO STATE PLANE GRID COORDINATE VALUES ARE EXPRESSED IN UNITS OF U.S. SURVEY FEET.
 - VERTICAL DATUM - NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- THE SURVEY AND STREET ALIGNMENTS SHOWN HEREON WERE OBSERVED IN THE FIELD FOR CONSTRUCTION PURPOSES ONLY AND MAY NOT BE SUITABLE FOR PROPERTY LINE SURVEYS OR OTHER PURPOSES. THE PROPERTY LINES SHOWN HEREON OUR SUBJECT TO AN ACCURATE BOUNDARY SURVEY AND ARE BASED ON FOUND MONUMENTS LOCATED IN THE FIELD BEST FIT TO THE RECORDS.
- AN ALTA/ NSPS LAND TITLE SURVEY WAS NOT PERFORMED.
- EASEMENTS, RECORD RESTRICTIONS AND SETBACKS WERE NOT ADDRESSED DURING THIS SURVEY.
- ALL DIMENSIONS GIVEN ARE EXPRESSED IN US SURVEY FEET.
- THE BENCHMARK ELEVATIONS SHOWN IN THE PROJECT CONTROL TABLE ARE AT THE TOP OF THE RED CAP OF THE IRON PIN SET.
- IRON PINS SET ARE 5/8" IRON PINS SET WITH A RED CAP INSCRIBED WITH "CT REF"

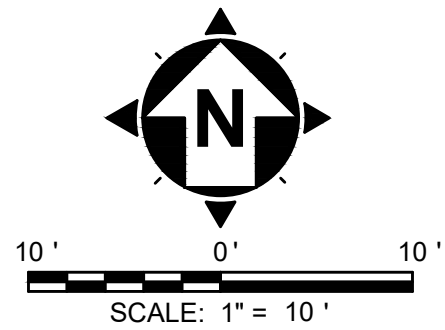
STATE OF OHIO
ALEKSA A. CYVAS
E-88001
REGISTERED
PROFESSIONAL ENGINEER

verdantas

ISSUED FOR:	REVIEW	NO	REVISION	DATE
24025503	05/08/2025			
DISCIPLINE:	AS SHOWN			
SHEET NAME:	LMM			
SURV - 1	LMM			
SHEET	OF			
3	17			

VILLAGE OF CHAGRIN FALLS
CARRIAGE STONE DR SIDEWALK IMPROVEMENTS
CHAGRIN FALLS
CUYAHOGA COUNTY, OHIO

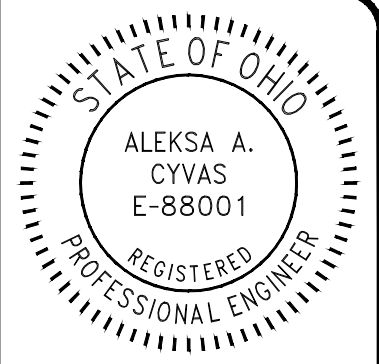
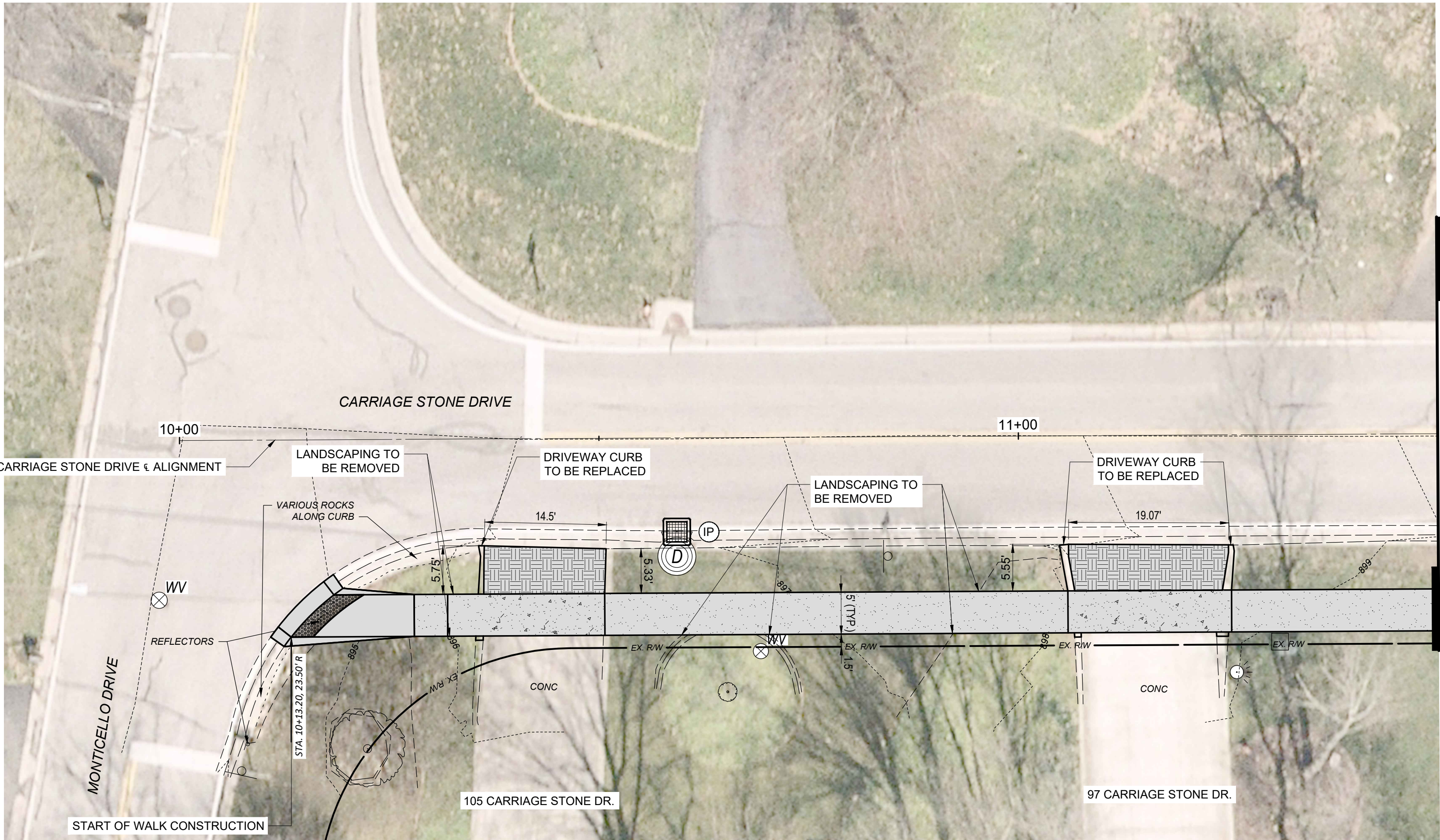
SURVEY CONTROL



HATCH LEGEND	
	CURB RAMP
	6-INCH WALK
	4-INCH WALK
	ASPHALT DRIVE APRON
	BRICK DRIVE APRON
	CONCRETE DRIVE APRON
	INLET PROTECTION
	EX. CURB INLET - ADJUSTED TO GRADE
	EX. FIRE HYDRANT - REMOVED AND REPLACED, AS PER PLAN
	EX. WATER VALVE - ADJUSTED TO GRADE
	TIE-IN TO EXISTING DRIVEWAY OR CURB

NOTES:

- 1) THE COST OF DRIVEWAY APRON CURB IS INCIDENTAL TO THE DRIVEWAY APRON CONSTRUCTION.
- 2) THE COST OF CURB REMOVAL FOR ADA RAMP IS INCIDENTAL TO THE ADA RAMP CONSTRUCTION.

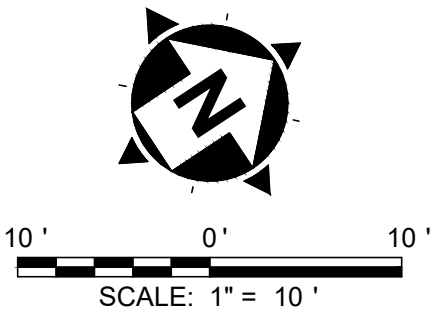


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DRAWN BY:	LMM			
CHECKED BY:	AAC			

VILLAGE OF CHAGRIN FALLS CARRIAGE STONE DR SIDEWALK IMPROVEMENTS CHAGRIN FALLS CUYAHOGA COUNTY, OHIO	SITE LAYOUT PLAN - 1	
	STA. 10+13.20 TO STA. 13+00.00	

PROJECT NO.	
24025503	
DISCIPLINE	
CIVIL	
SHEET NAME	
PLAN - 1	
SHEET	OF
4	17



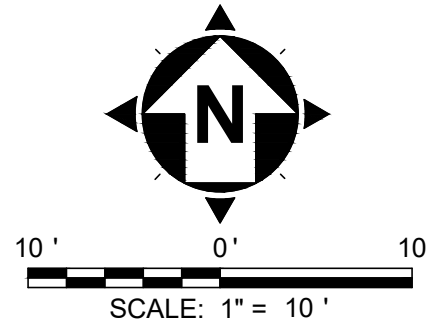
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LMM				
LMM				
AAC				

VILLAGE OF CHAGRIN FALLS
CARRIAGE STONE DR SIDEWALK IMPROVEMENTS
CHAGRIN FALLS CUYAHOGA COUNTY, OHIO

SITE LAYOUT PLAN - 2
STA. 13+00 TO STA. 17+50

PROJECT NO.	24025503
DISCIPLINE	CIVIL
SHEET NAME	PLAN - 2
SHEET	OF
5	17



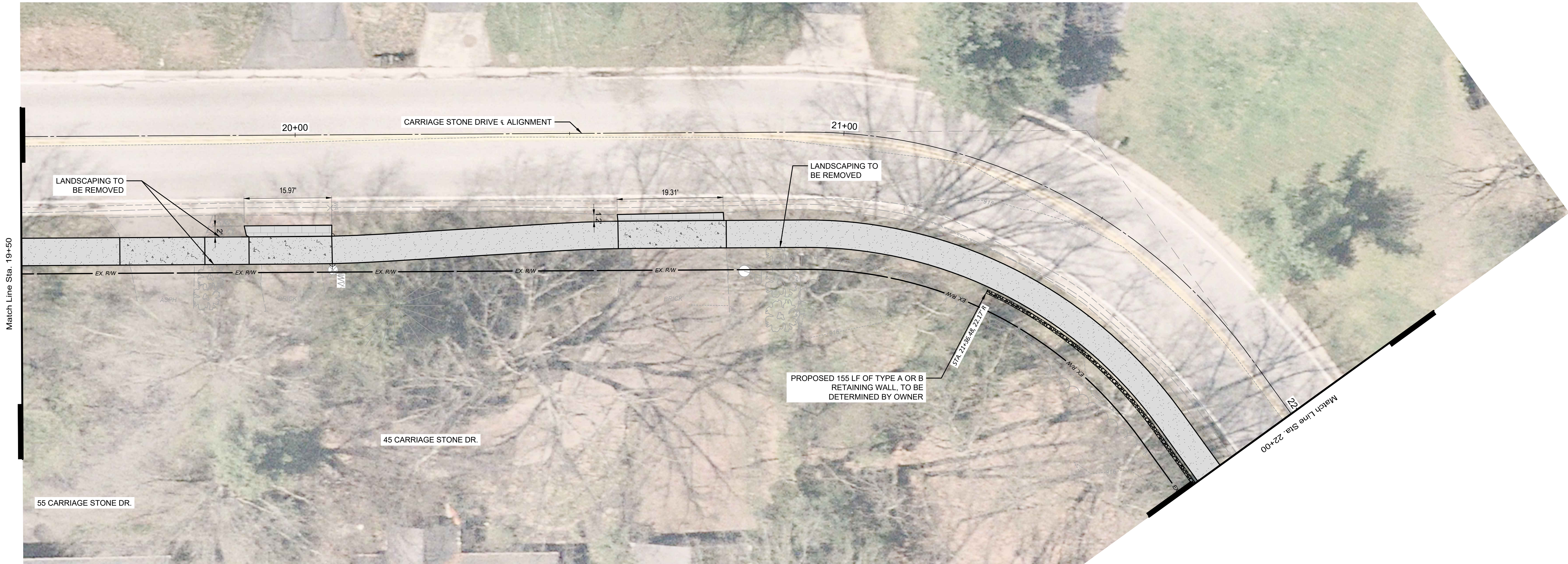
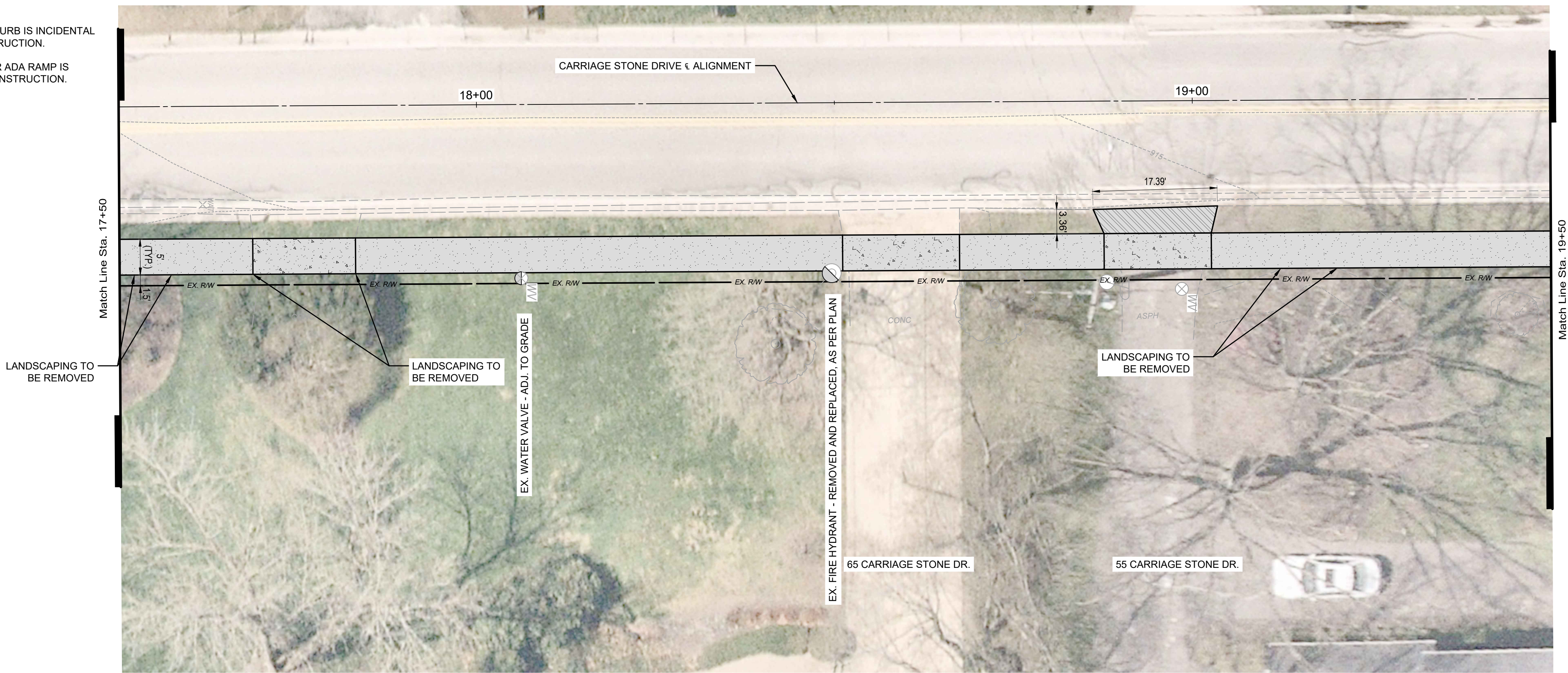
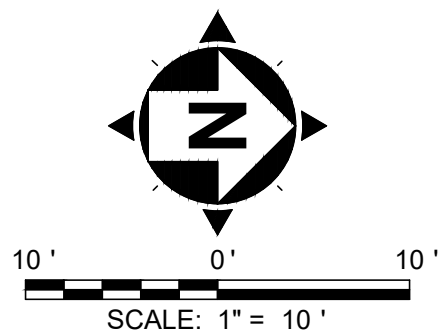
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	EX. WATER VALVE - ADJUSTED TO GRADE
	TIE-IN TO EXISTING DRIVEWAY OR CURB

- NOTES:
- 1) THE COST OF DRIVEWAY APRON CURB IS INCIDENTAL TO THE DRIVEWAY APRON CONSTRUCTION.
 - 2) THE COST OF CURB REMOVAL FOR ADA RAMP IS INCIDENTAL TO THE ADA RAMP CONSTRUCTION.

HATCH LEGEND	
	CURB RAMP
	6-INCH WALK
	4-INCH WALK
	ASPHALT DRIVE APRON
	BRICK DRIVE APRON
	CONCRETE DRIVE APRON
	INLET PROTECTION
	EX. CURB INLET - ADJUSTED TO GRADE
	EX. FIRE HYDRANT - REMOVED AND REPLACED, AS PER PLAN
	EX. WATER VALVE - ADJUSTED TO GRADE
	TIE-IN TO EXISTING DRIVEWAY OR CURB

NOTES:

- 1) THE COST OF DRIVEWAY APRON CURB IS INCIDENTAL TO THE DRIVEWAY APRON CONSTRUCTION.
- 2) THE COST OF CURB REMOVAL FOR ADA RAMP IS INCIDENTAL TO THE ADA RAMP CONSTRUCTION.

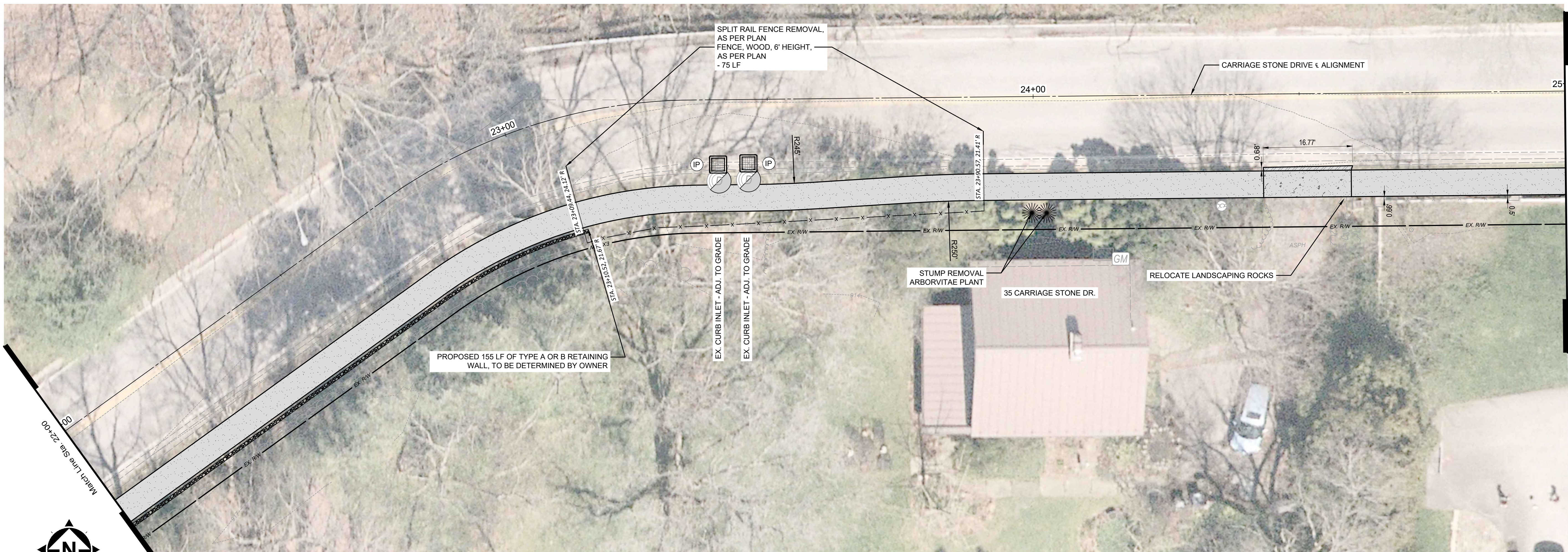


ISSUED FOR:	REVIEW	NO	REVISION	DATE
ISSUE DATE: 05/08/2025	AS SHOWN			
SCALE:	LMM			
DESIGNED BY:	LMM			
DRAWN BY:	LMM			
CHECKED BY:	AAC			

VILLAGE OF CHAGRIN FALLS
CARRIAGE STONE DR SIDEWALK IMPROVEMENTS
CHAGRIN FALLS CUYAHOGA COUNTY, OHIO

SITE LAYOUT PLAN - 3
STA. 17+50 TO STA. 22+00

PROJECT NO. 24025503	
DISCIPLINE CIVIL	
SHEET NAME PLAN - 3	
SHEET 6	OF 17



HATCH LEGEND	
	CURB RAMP
	6-INCH WALK
	4-INCH WALK
	ASPHALT DRIVE APRON
	BRICK DRIVE APRON
	CONCRETE DRIVE APRON
	INLET PROTECTION
	EX. CURB INLET - ADJUSTED TO GRADE
	EX. FIRE HYDRANT - REMOVED AND REPLACED, AS PER PLAN
	EX. WATER VALVE - ADJUSTED TO GRADE
	TIE-IN TO EXISTING DRIVEWAY OR CURB

- NOTES:
- 1) THE COST OF DRIVEWAY APRON CURB IS INCIDENTAL TO THE DRIVEWAY APRON CONSTRUCTION.
 - 2) THE COST OF CURB REMOVAL FOR ADA RAMP IS INCIDENTAL TO THE ADA RAMP CONSTRUCTION.
 - 3) CONTRACTOR SHALL TAKE EXTREME CARE TO AVOID TREE ROOD DAMAGE DURING RETAINING WALL INSTALLATION.
 - 4) GRADING SURROUNDING WALL SHALL TIE INTO EXISTING GROUND.



ISSUED FOR:	REVIEW	NO	REVISION	DATE
24025503	05/08/2025			
DISCIPLINE:	AS SHOWN			
SHEET NAME:	LMM			
PLAN - 4	LMM			
	AAC			

VILLAGE OF CHAGRIN FALLS

CARRIAGE STONE DR SIDEWALK IMPROVEMENTS

CHAGRIN FALLS

CUYAHOGA COUNTY, OHIO

SITE LAYOUT PLAN - 4

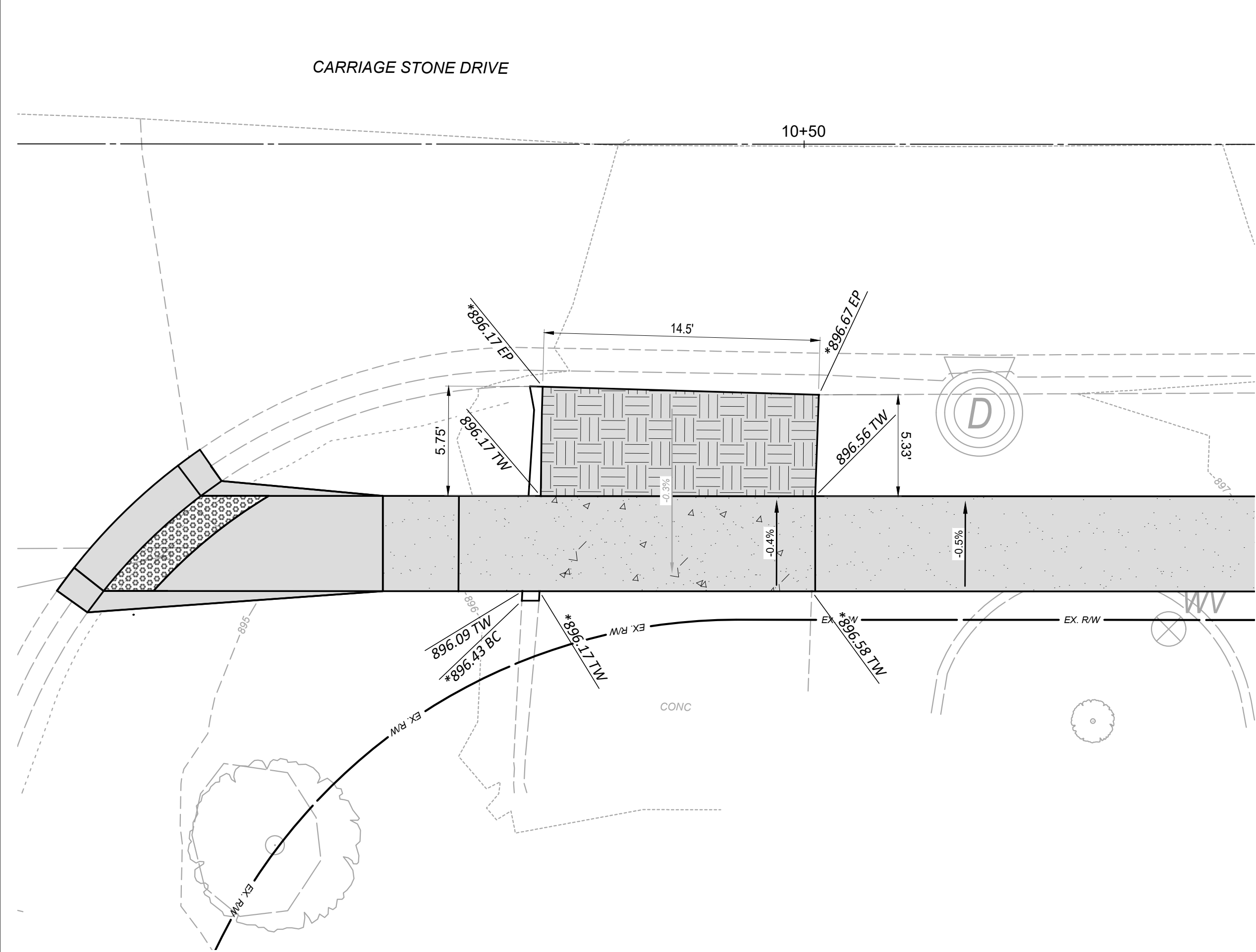
STA. 22+00 TO STA. 26+65.92

PROJECT NO.	
24025503	
DISCIPLINE	
CIVIL	
SHEET NAME	
PLAN - 4	
SHEET	OF
7	17

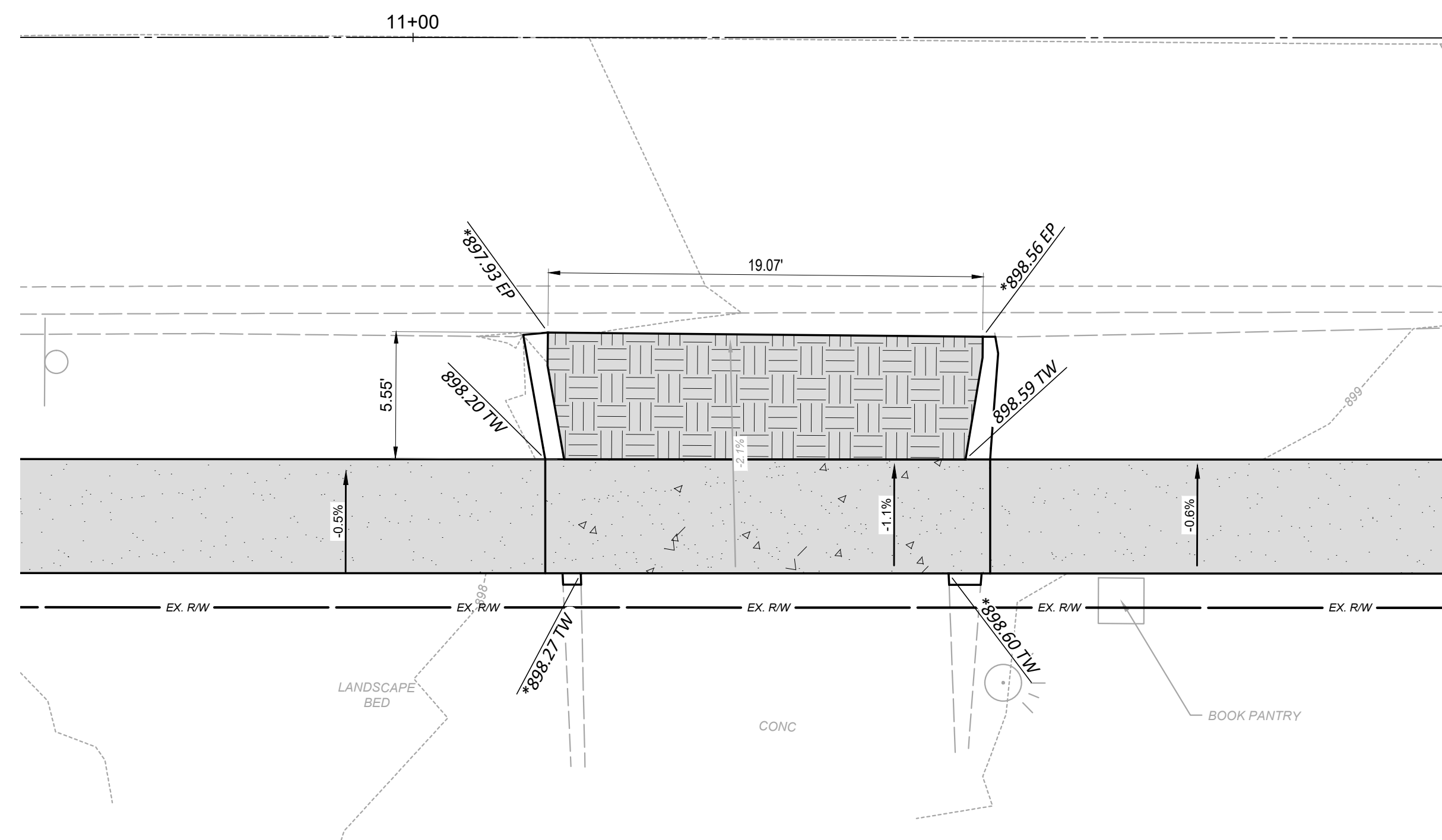


VILLAGE OF CHAGRIN FALLS
CARRIAGE STONE DR SIDEWALK IMPROVEMENTS
CHAGRIN FALLS CUYAHOGA COUNTY, OHIO

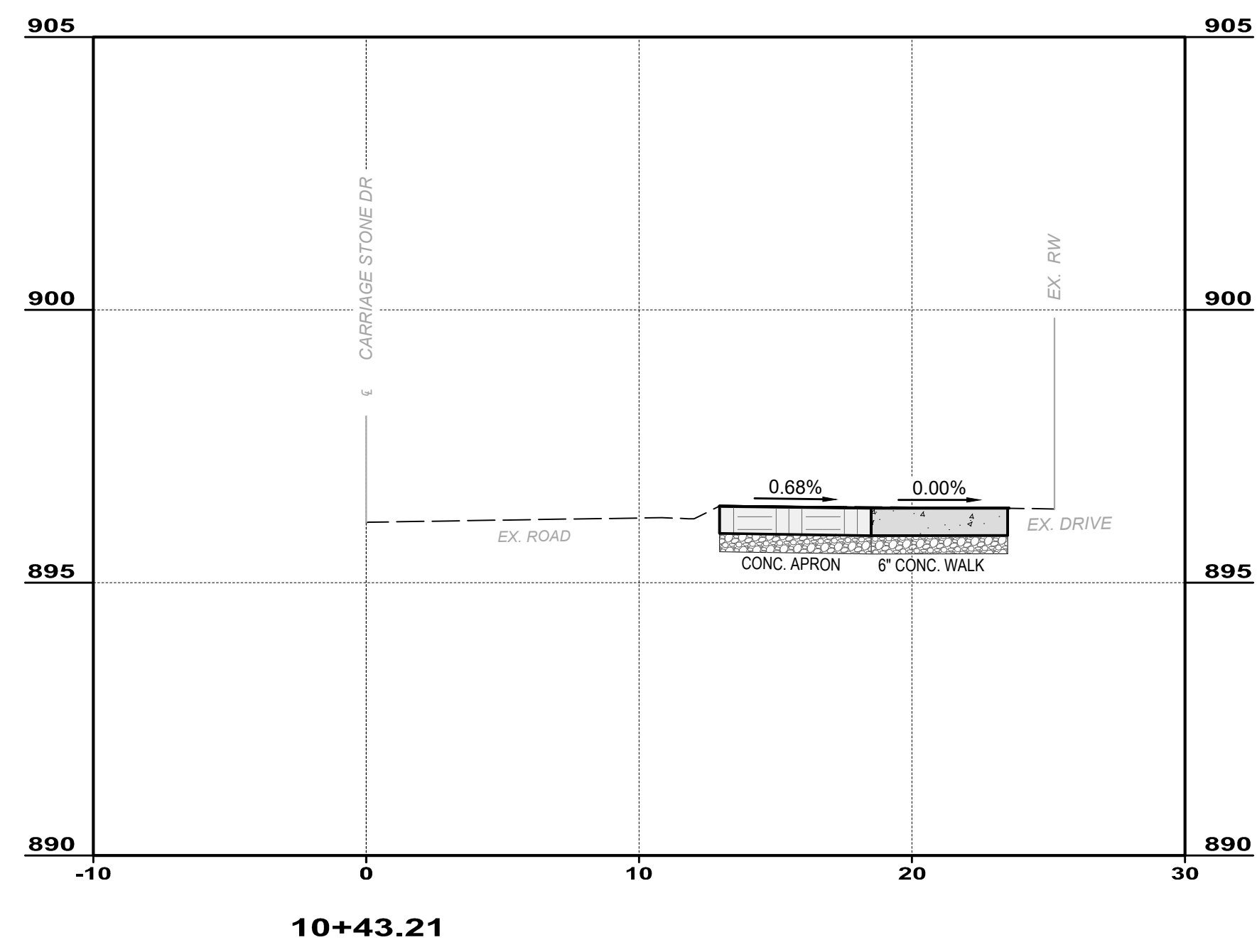
GRADING PLAN



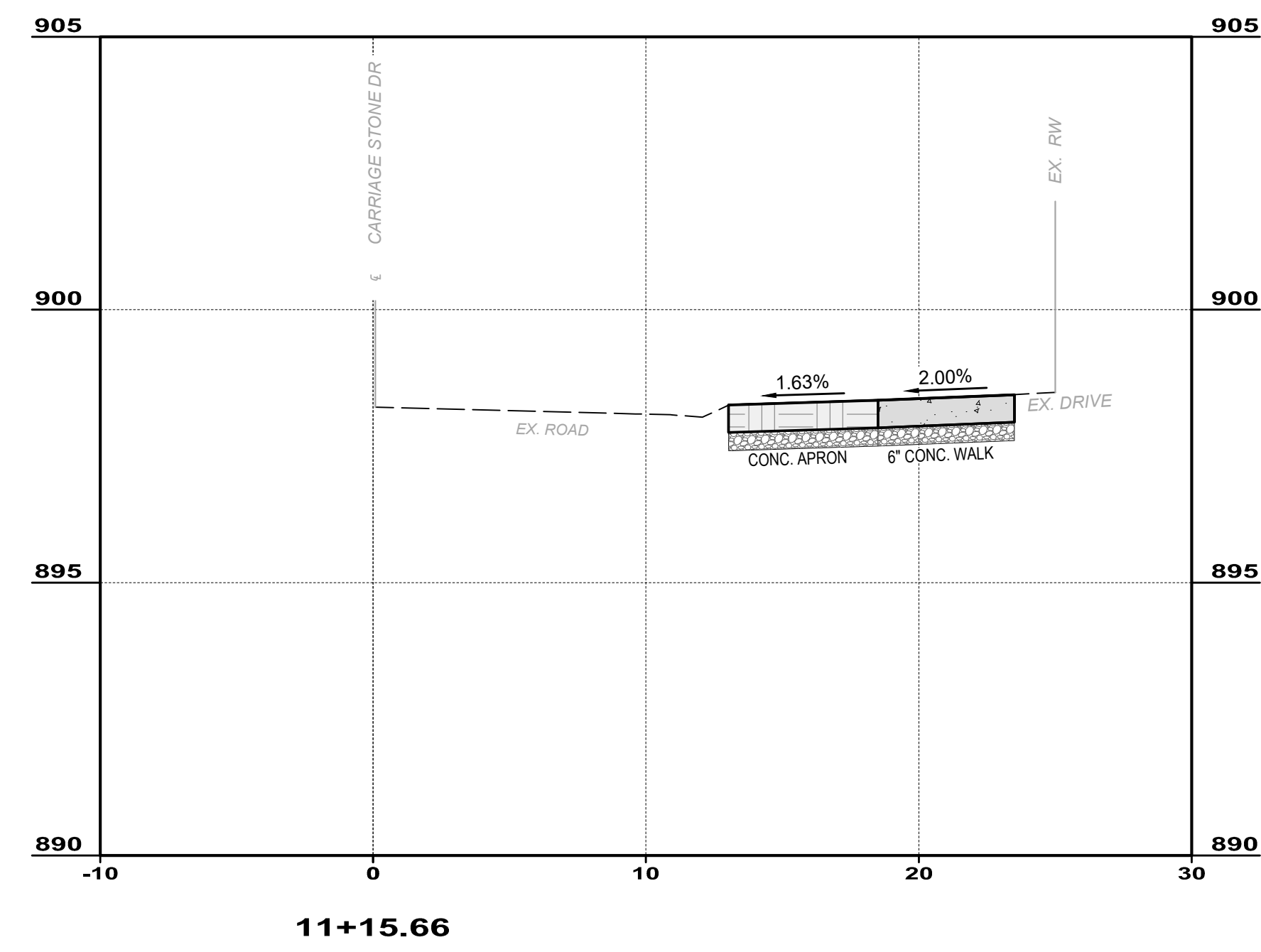
NOTES:
* TIE-IN TO EXISTING DRIVEWAY OR CURB



10+43.21 - 105 CARRIAGE STONE DR



11+15.66 - 97 CARRIAGE STONE DR.

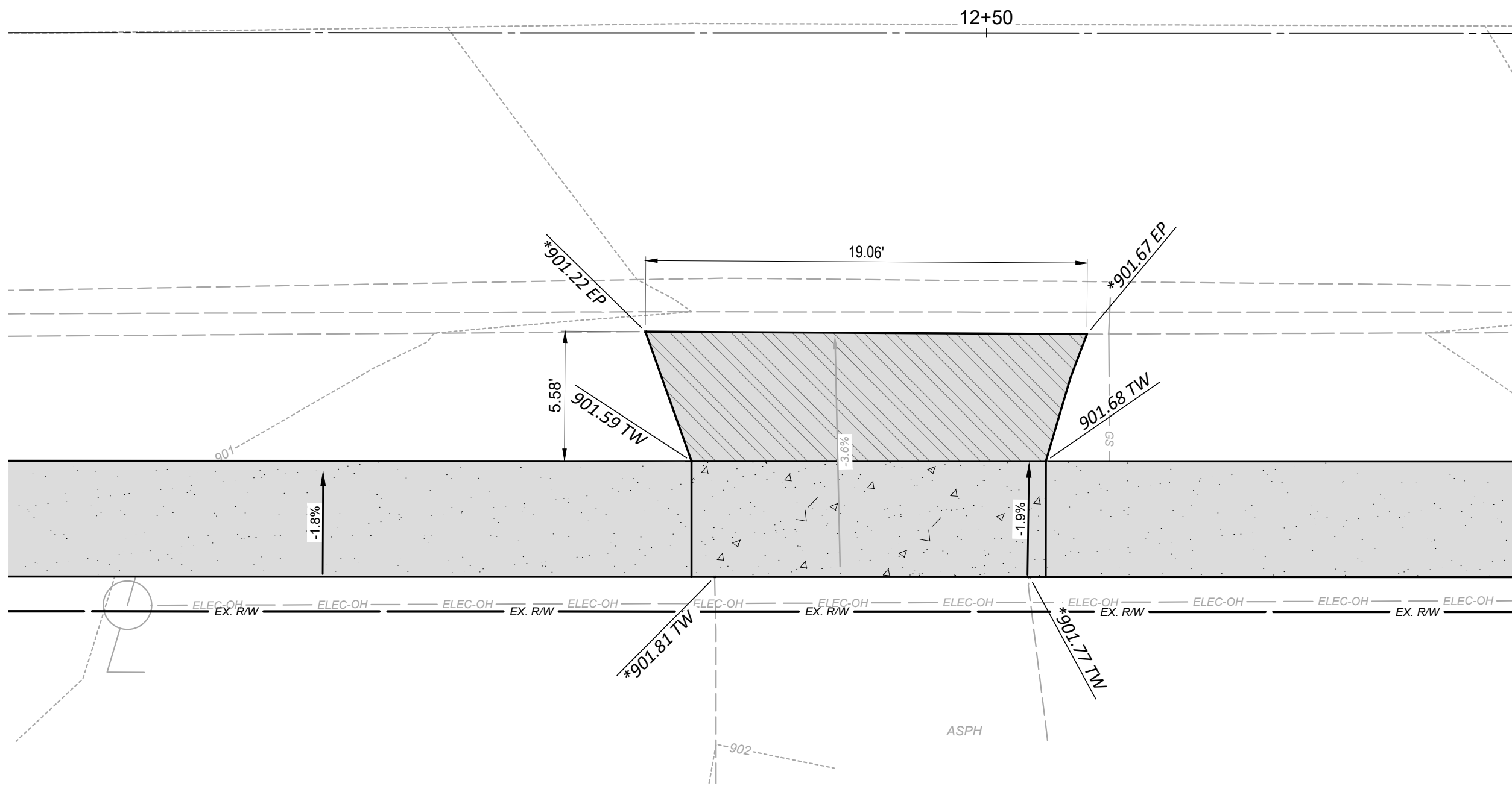


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ISSUE DATE: 05/08/2025	AS SHOWN			
SCALE:	LMM			
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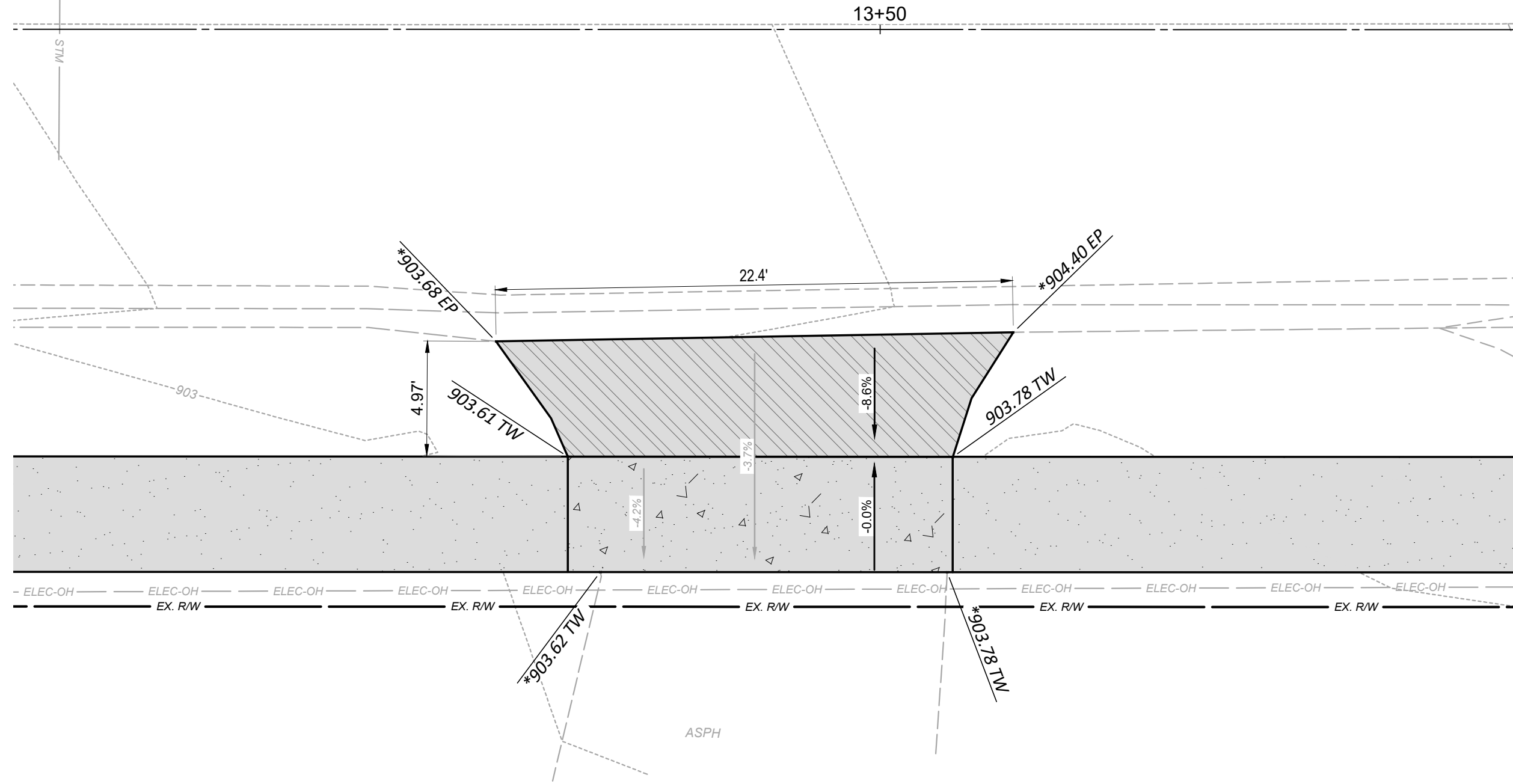
VILLAGE OF CHAGRIN FALLS
CARRIAGE STONE DR SIDEWALK IMPROVEMENTS
CHAGRIN FALLS CUYAHOGA COUNTY, OHIO

DRIVE PROFILES - 1
97 & 105 CARRIAGE STONE DR.

PROJECT NO. 24025503	
DISCIPLINE CIVIL	
SHEET NAME PROF - 1	
SHEET 9	OF 17

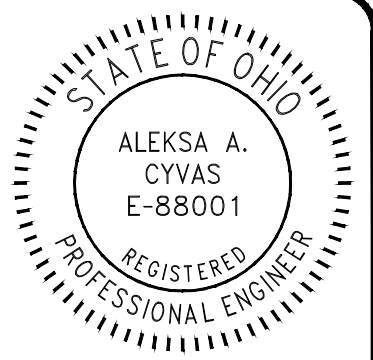
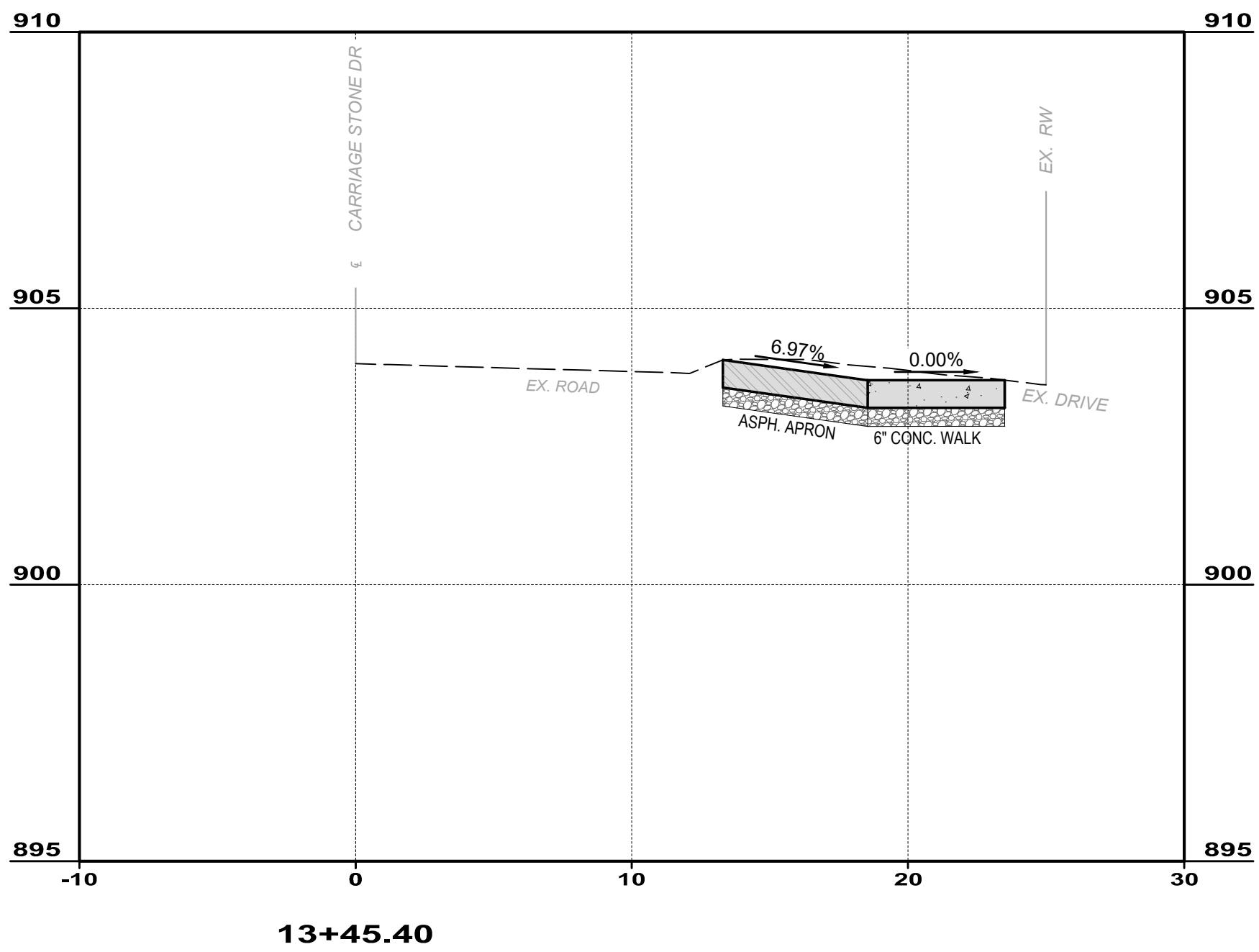
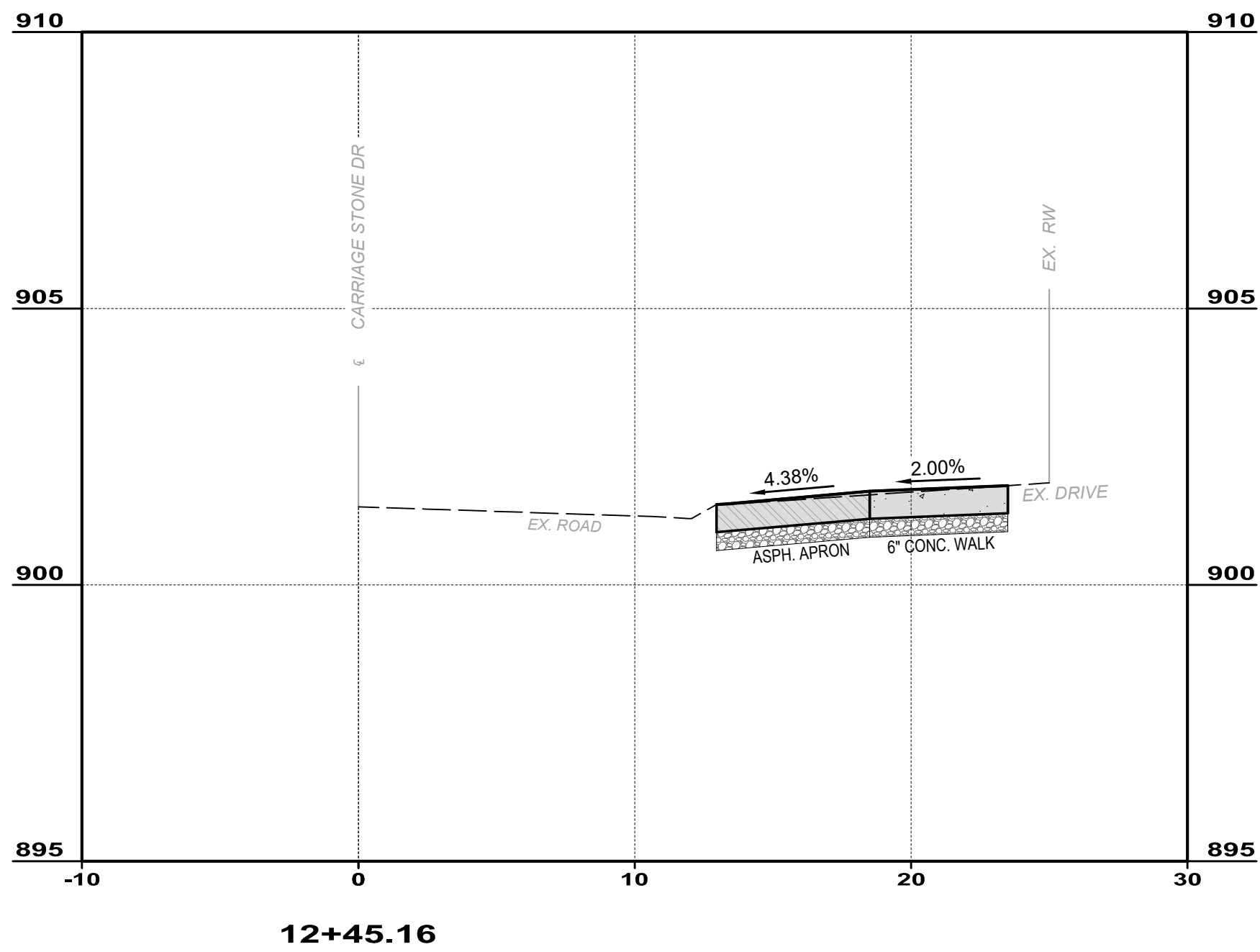


NOTES:
* TIE-IN TO EXISTING DRIVEWAY OR CURB



12+45.16 - 91 CARRIAGE STONE DR

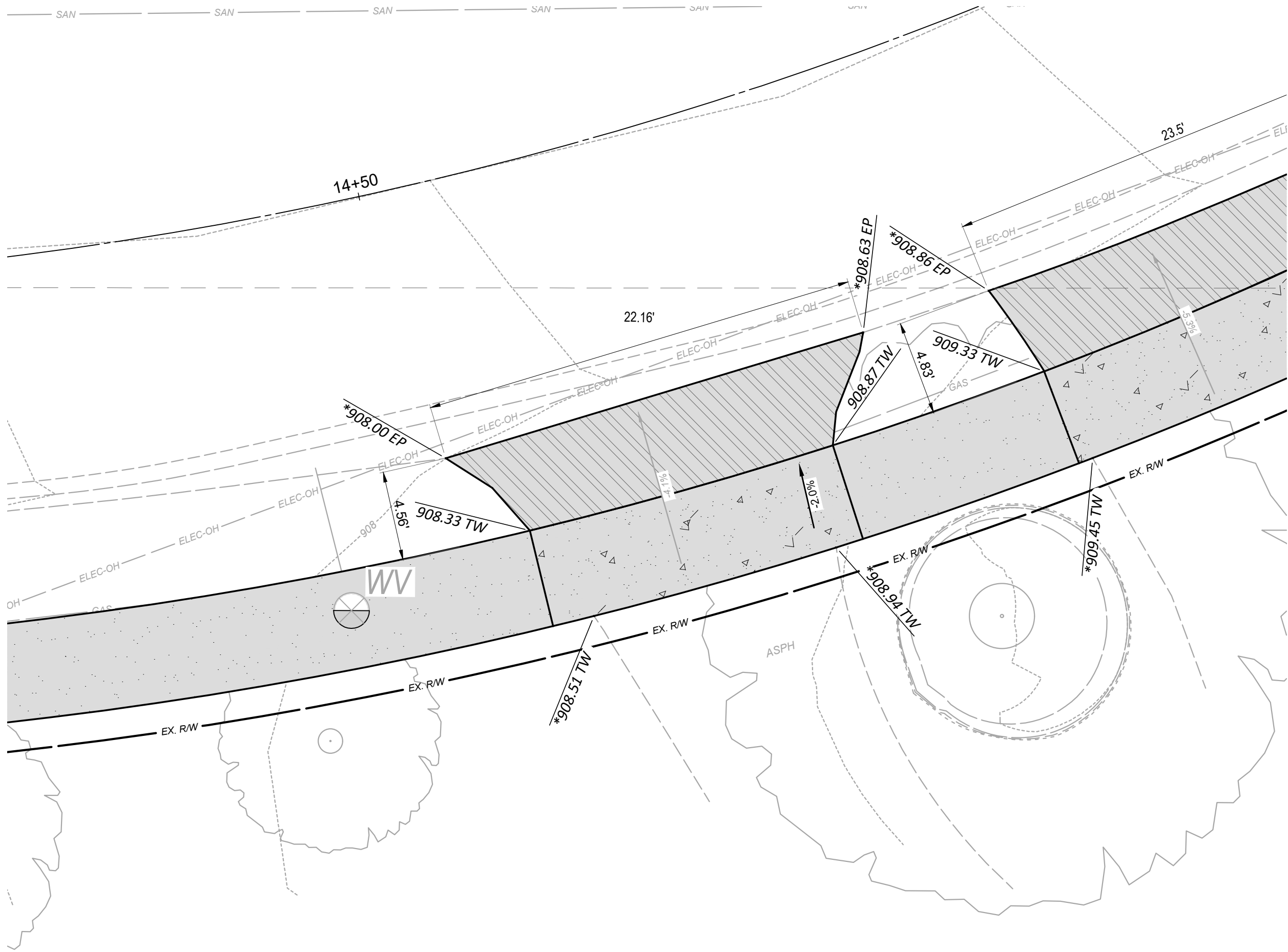
13+45.40 - 85 CARRIAGE STONE DR.



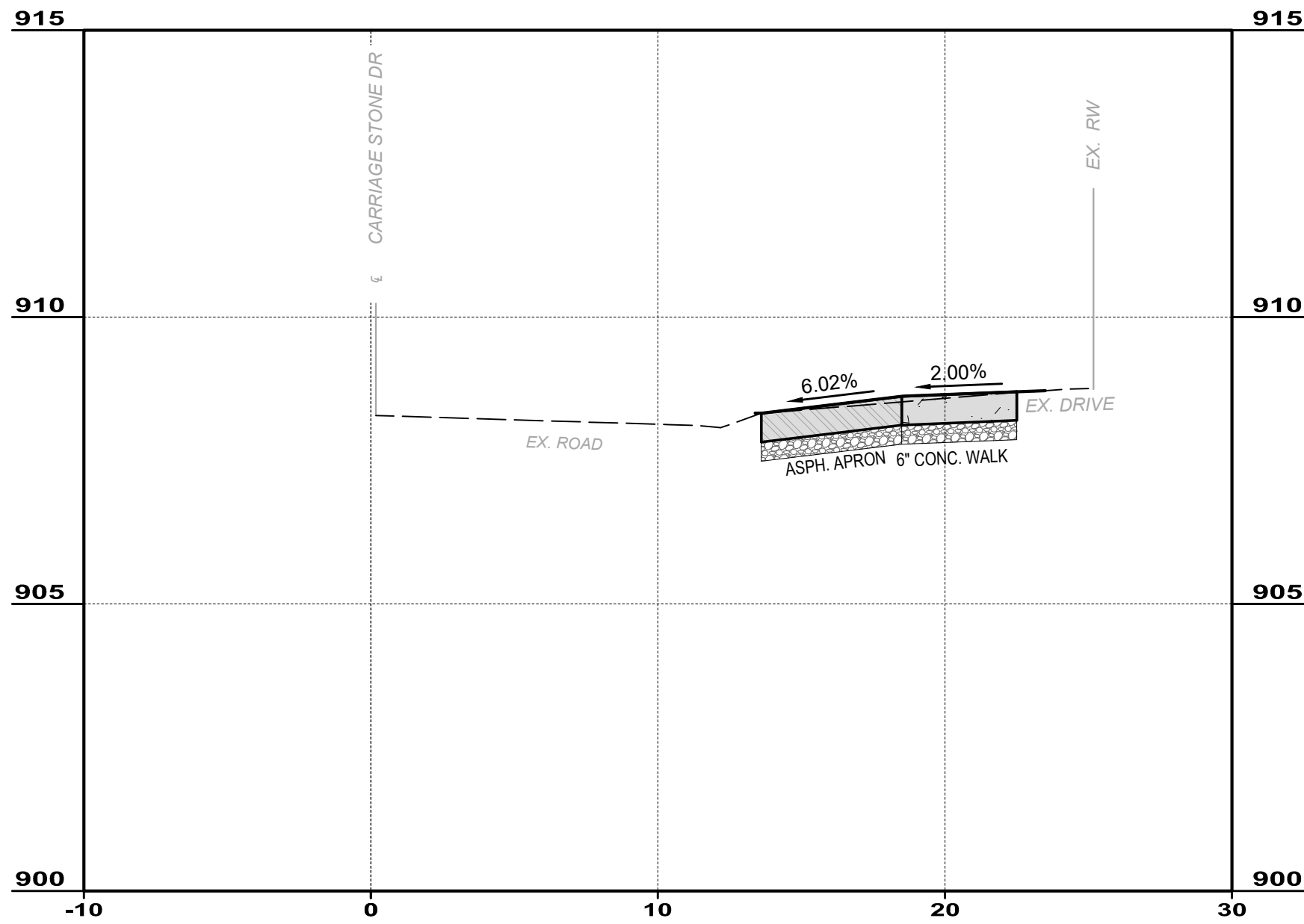
ISSUED FOR:	REVIEW	NO	REVISION	DATE
24025503	05/08/2025			
SCALE:	AS SHOWN			
DESIGNED BY:	LMM			
DRAWN BY:	LMM			
CHECKED BY:	AAC			

VILLAGE OF CHAGRIN FALLS	DRIVE PROFILES - 2
CARRIAGE STONE DR SIDEWALK IMPROVEMENTS	85 & 91 CARRIAGE STONE DR.
CHAGRIN FALLS	
CUYAHOGA COUNTY, OHIO	

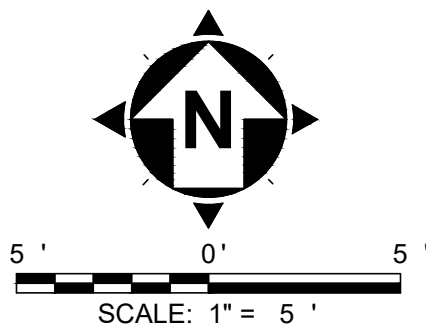
PROJECT NO.	24025503
DISCIPLINE	CIVIL
SHEET NAME	PROF - 2
SHEET	10
OF	17



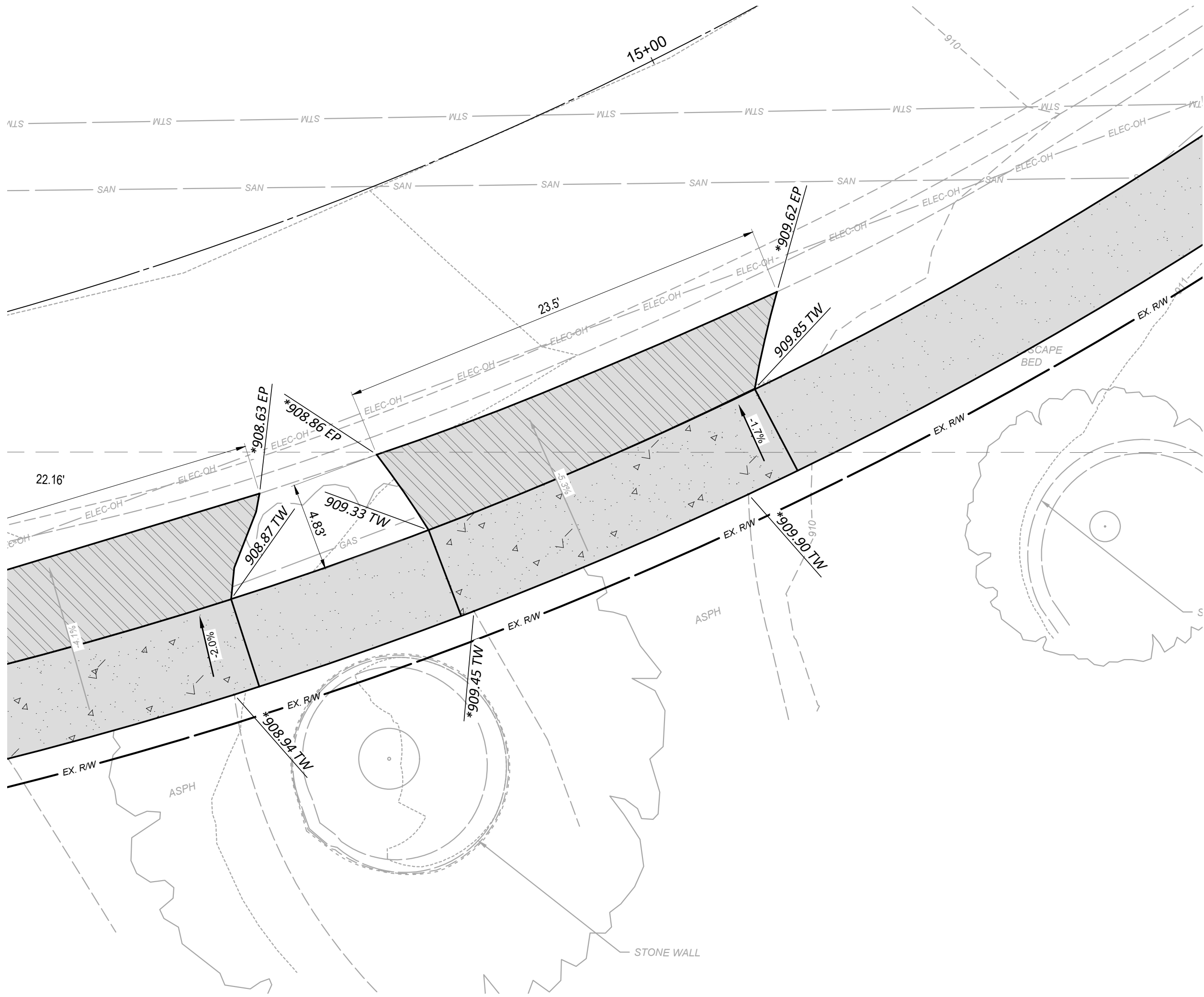
14+62.90 - 83 CARRIAGE STONE DR.



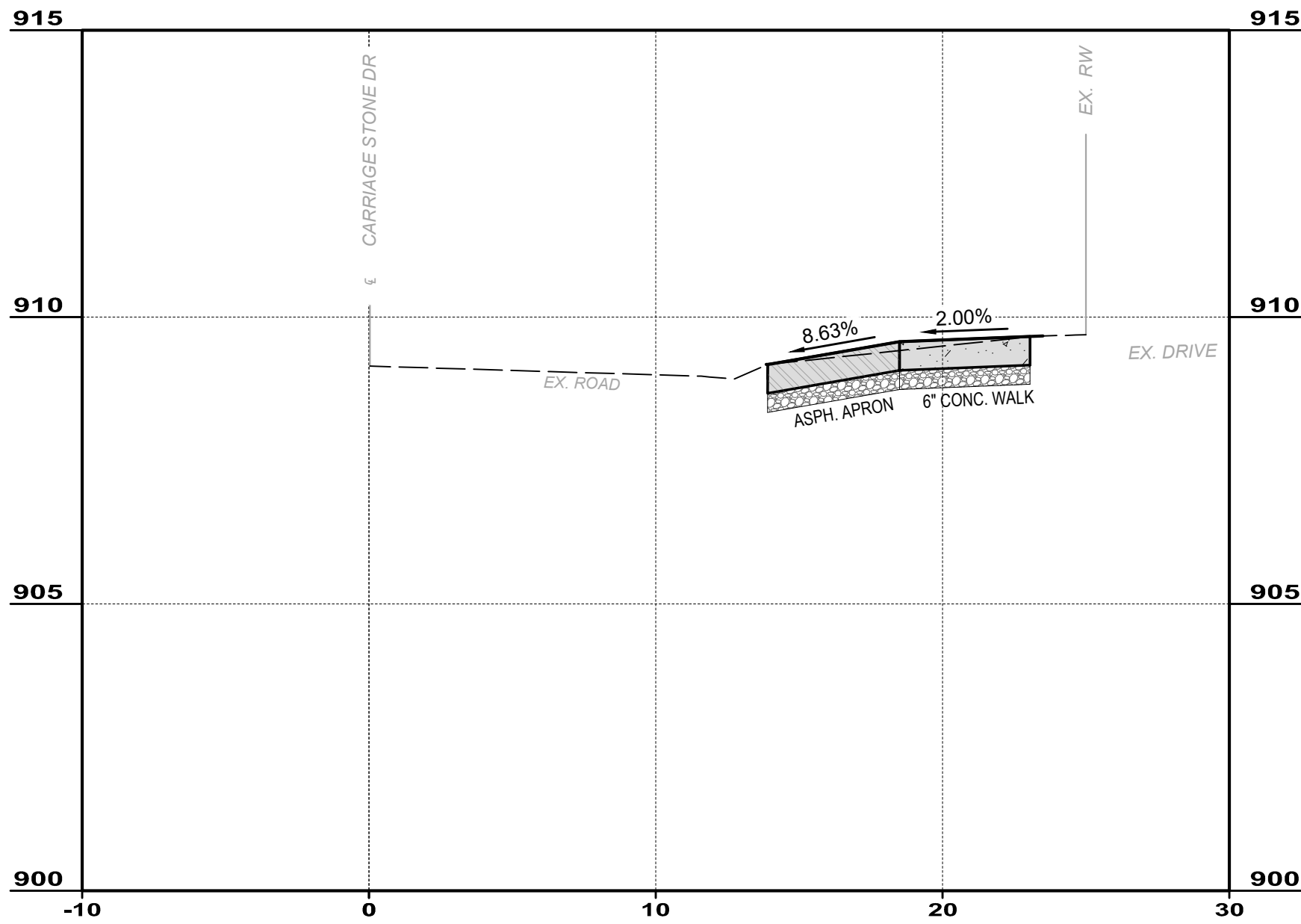
14+62.09



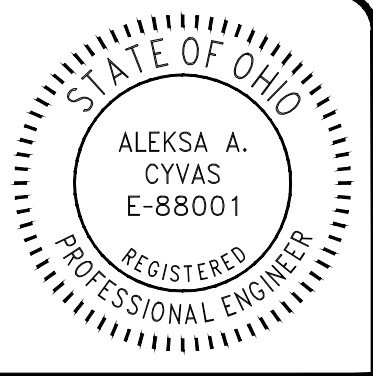
NOTES:
* TIE-IN TO EXISTING DRIVEWAY OR CURB



14+87.43 - 79 CARRIAGE STONE DR.



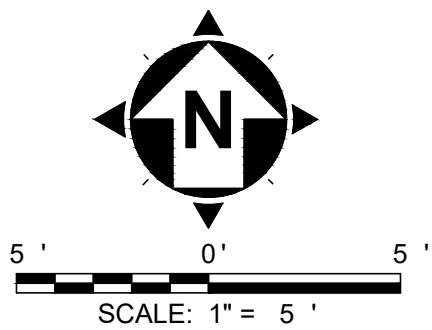
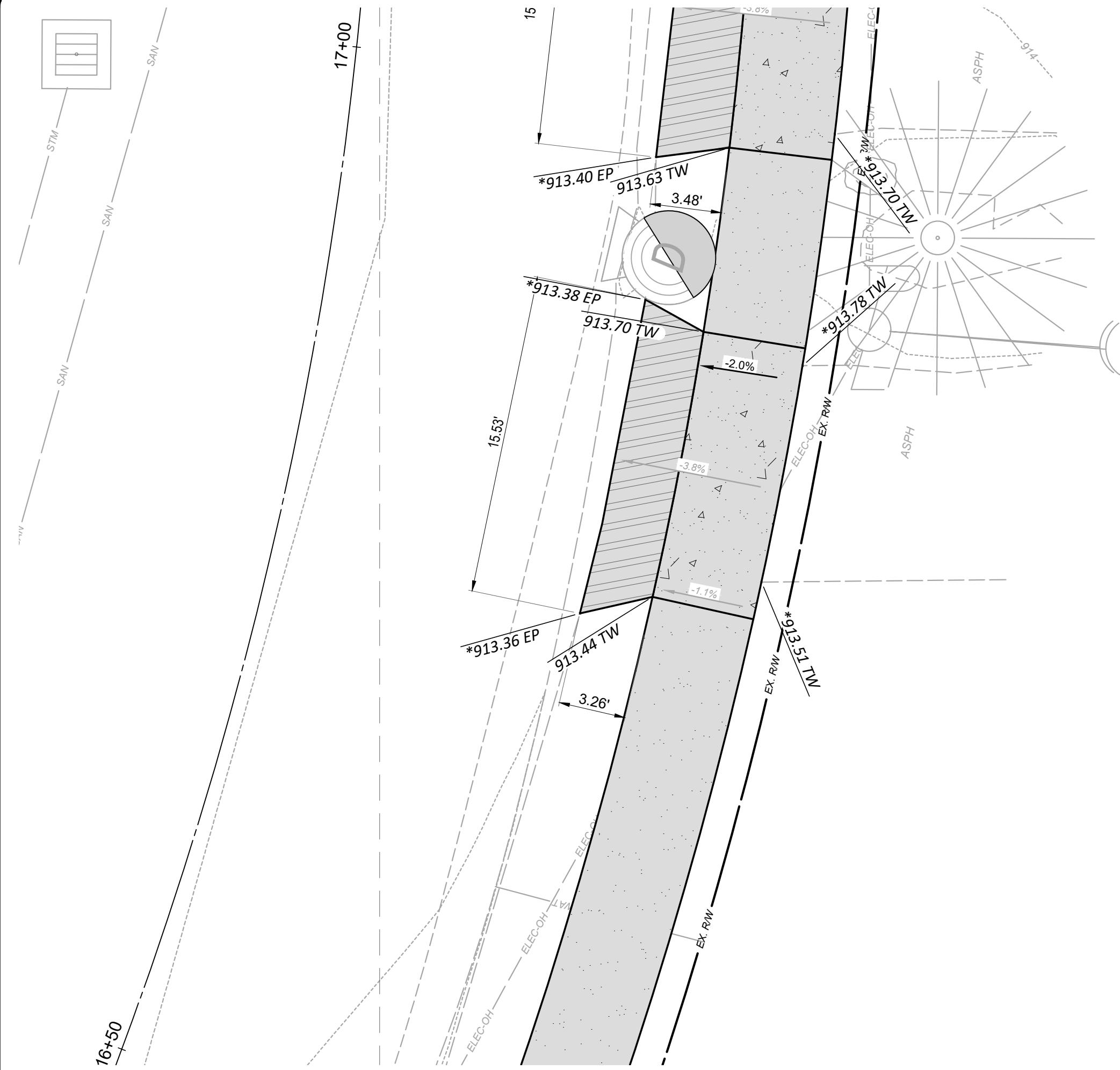
14+87.43



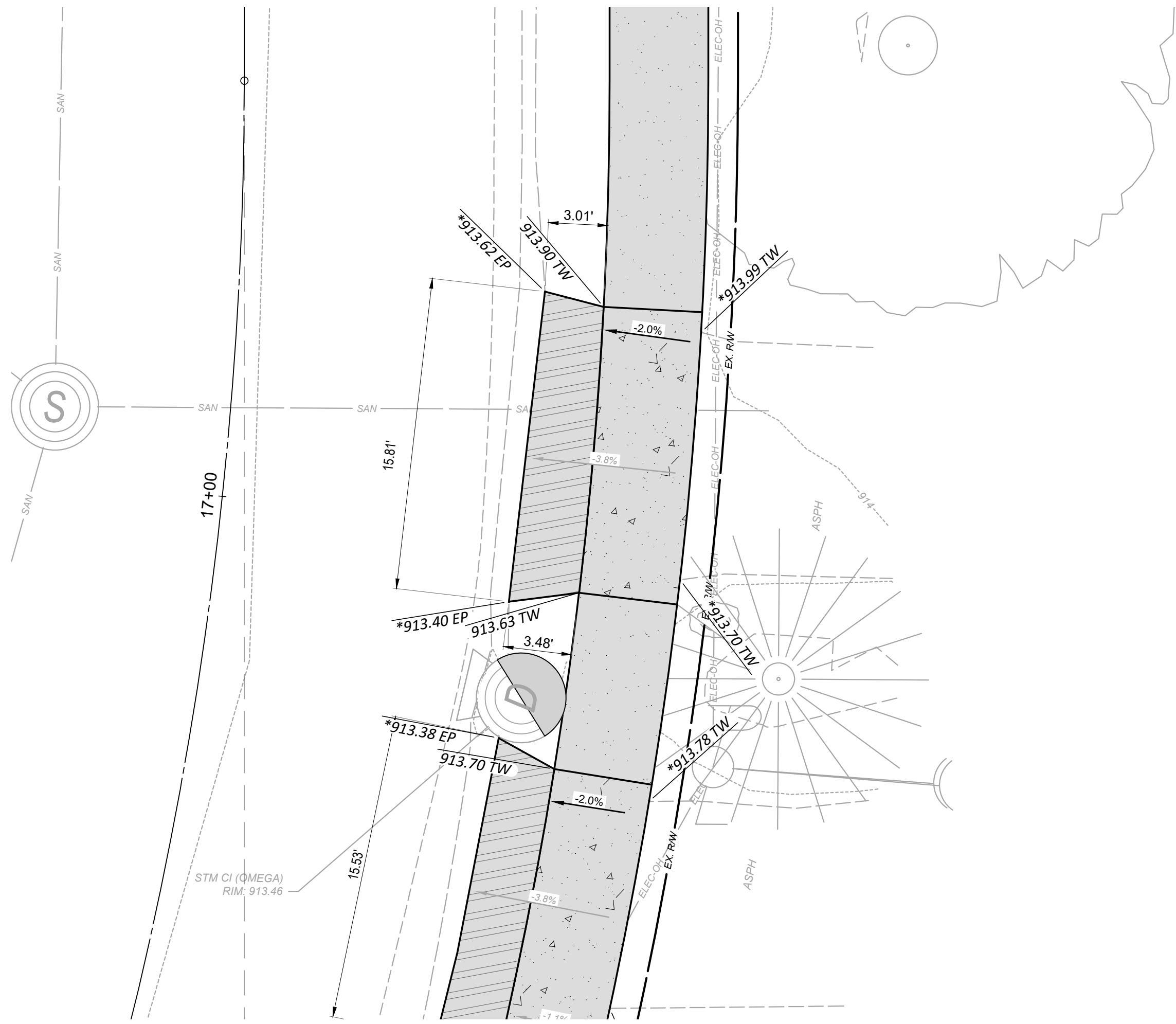
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SCALE:	AS SHOWN			
DESIGNED BY:	LMM			
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VILLAGE OF CHAGRIN FALLS	DRIVE PROFILES - 3
CARRIAGE STONE DR SIDEWALK IMPROVEMENTS	79 & 83 CARRIAGE STONE DR.
CHAGRIN FALLS	
CUYAHOGA COUNTY, OHIO	

PROJECT NO.	24025503
DISCIPLINE	CIVIL
SHEET NAME	PROF - 3
SHEET	11
OF	17

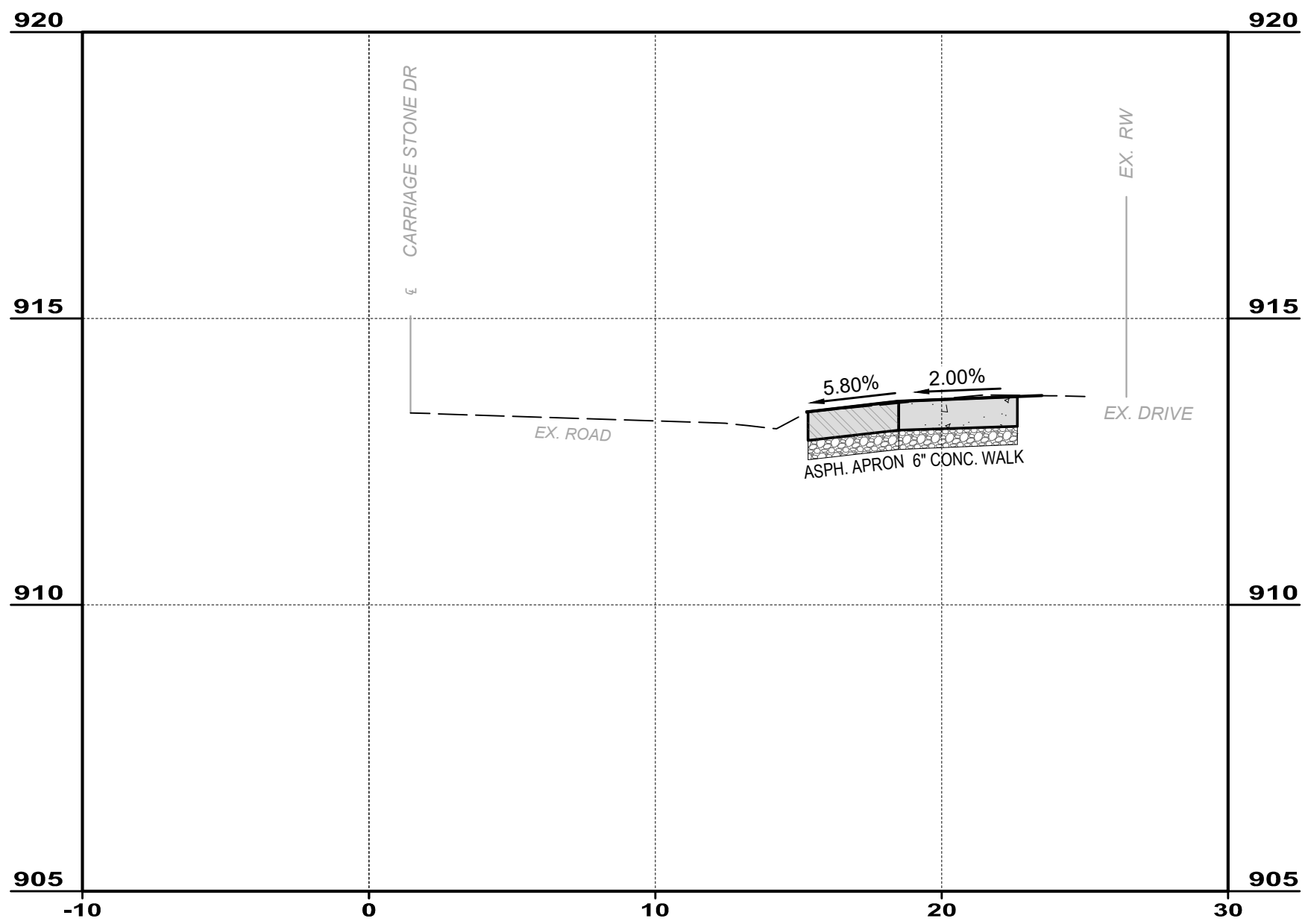


NOTES:
* TIE-IN TO EXISTING DRIVEWAY OR CURB

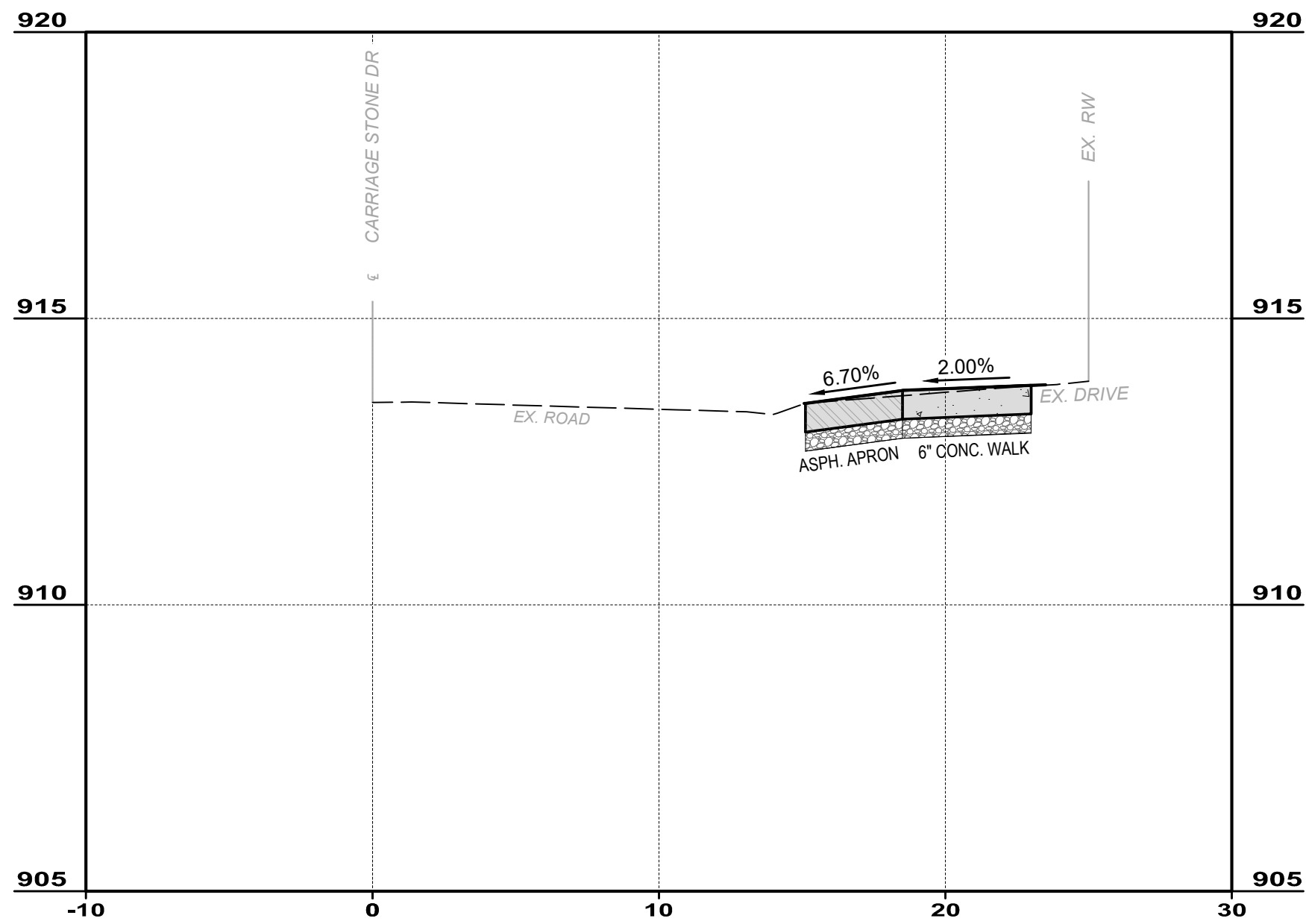


16+83.51 - 73 CARRIAGE STONE DR.

17+04.05 - 69 CARRIAGE STONE DR.



16+83.51



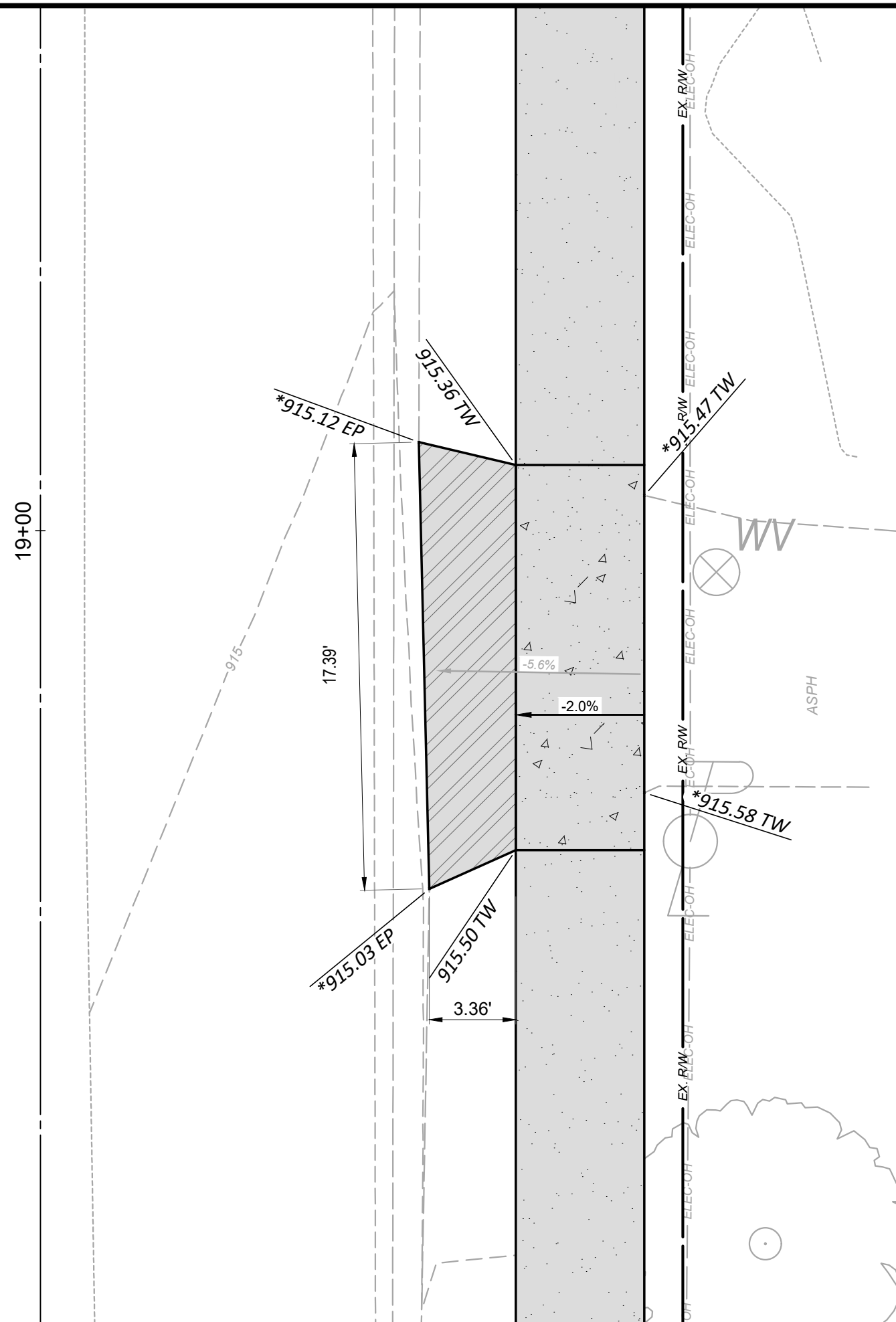
17+04.05



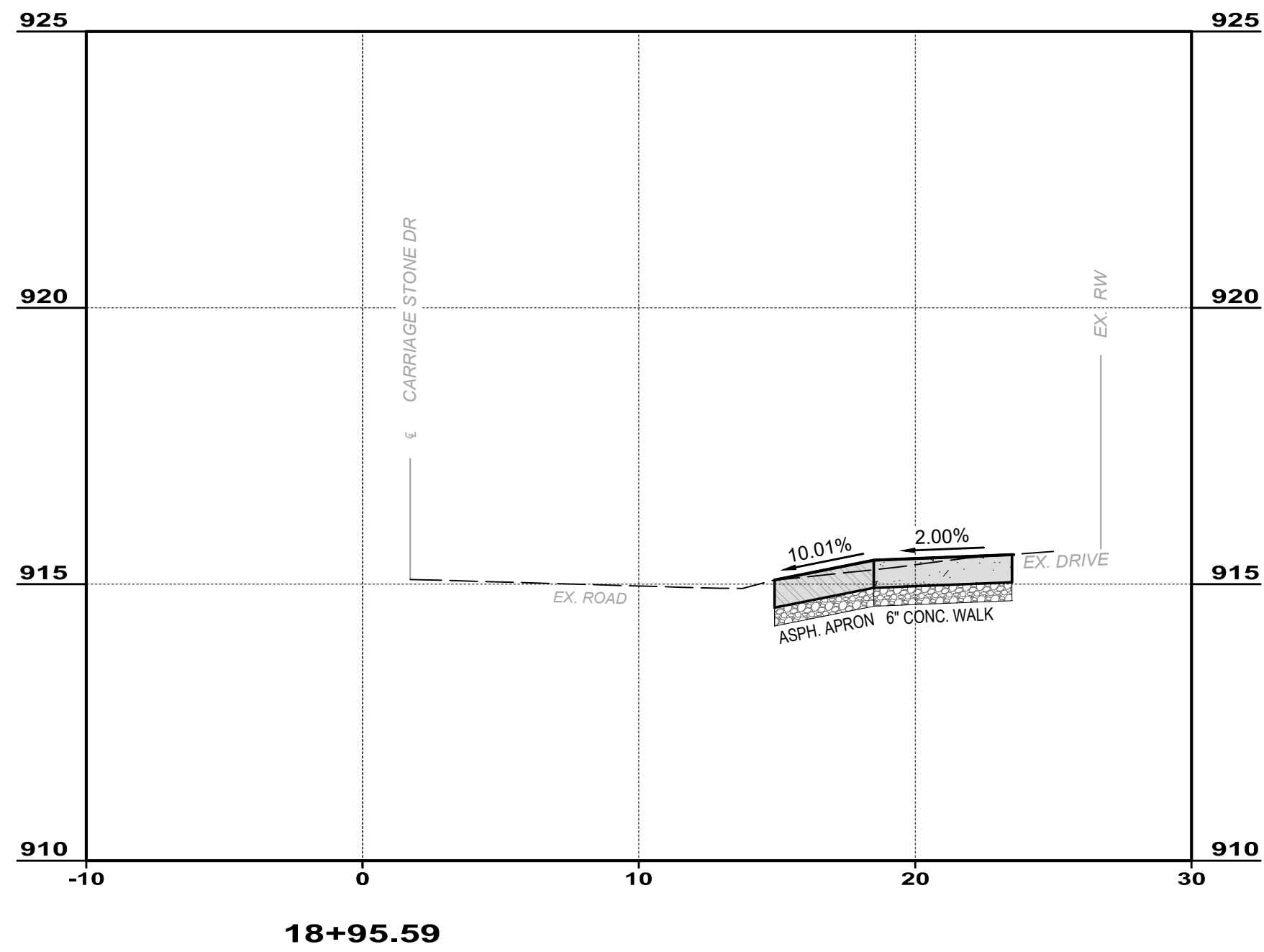
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ISSUE DATE:	05/08/2025			
SCALE:	AS SHOWN			
DESIGNED BY:	LMM			
DRAWN BY:	LMM			
CHECKED BY:	AAC			

VILLAGE OF CHAGRIN FALLS CARRIAGE STONE DR SIDEWALK IMPROVEMENTS CHAGRIN FALLS CUYAHOGA COUNTY, OHIO	DRIVE PROFILES - 4 69 & 73 CARRIAGE STONE DR.
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PROJECT NO.	24025503
DISCIPLINE	CIVIL
SHEET NAME	PROF - 4
SHEET	12
OF	17



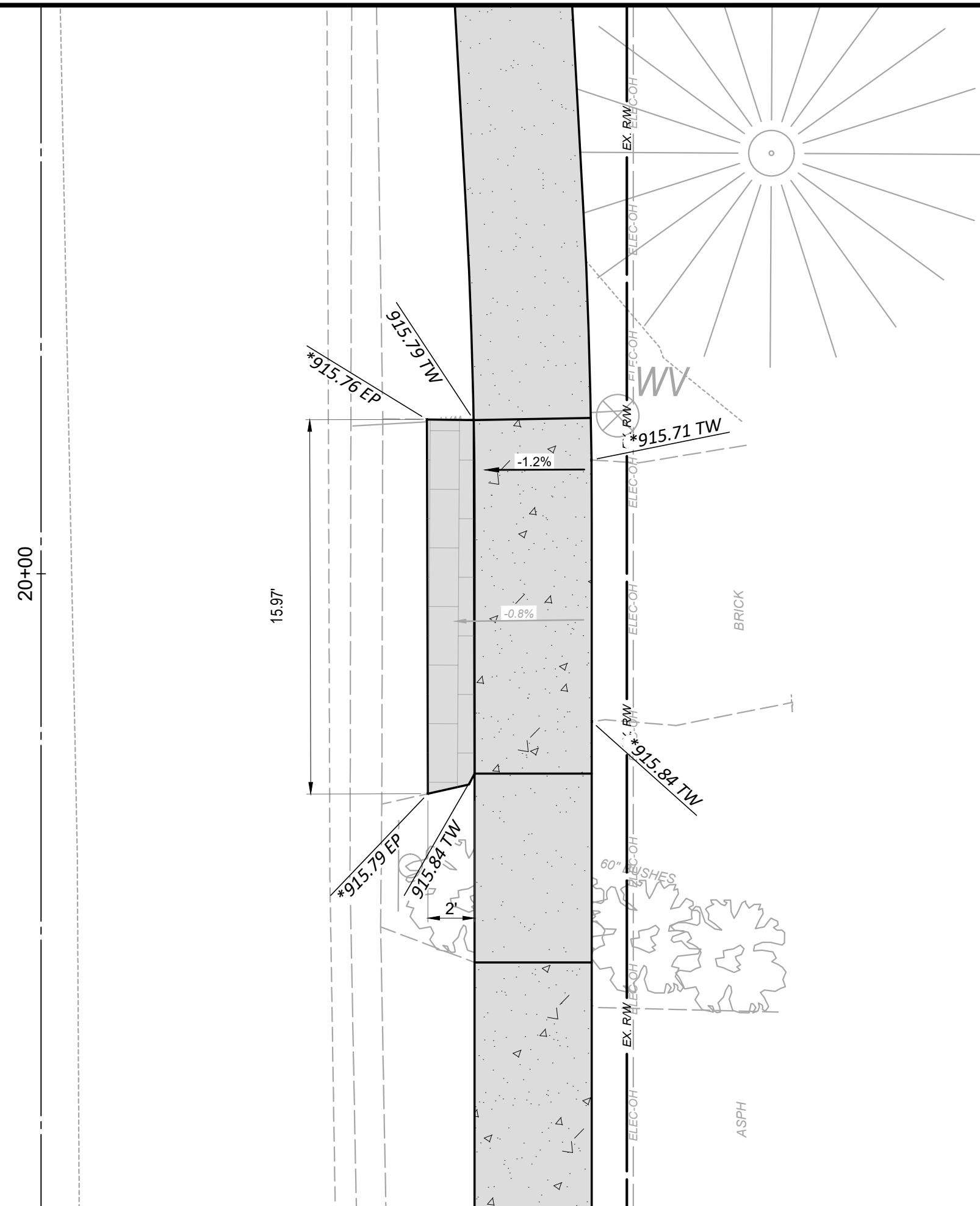
18+95.59 - 55 CARRIAGE STONE DR.



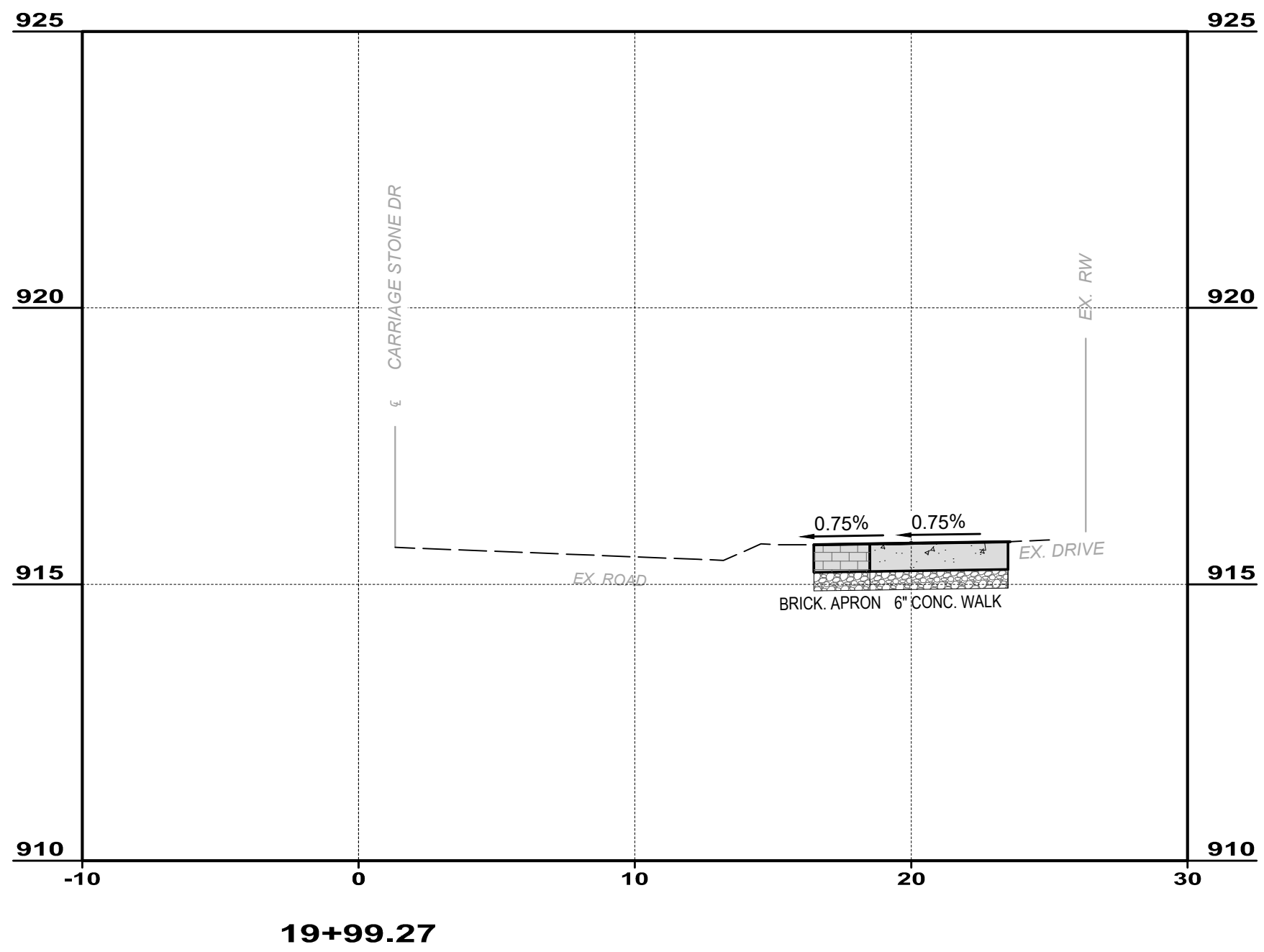
18+95.59

NOTES:

- * TIE-IN TO EXISTING DRIVEWAY OR CURB



19+99.27 - 45 CARRIAGE STONE DR.



19+99.27

STATE OF OHIO
ALEKSA A. CYVAS
E-88001
REGISTERED
PROFESSIONAL ENGINEER

ISSUED FOR:	REVIEW	NO	REVISION	DATE
ISSUE DATE:	05/08/2025			
SCALE:	AS SHOWN			
DESIGNED BY:	LMM			
DRAWN BY:	LMM			
CHECKED BY:	AAC			

VILLAGE OF CHAGRIN FALLS
CARRIAGE STONE DR SIDEWALK IMPROVEMENTS
CHAGRIN FALLS CUYAHOGA COUNTY, OHIO

DRIVE PROFILES - 5
45 & 55 CARRIAGE STONE DR.

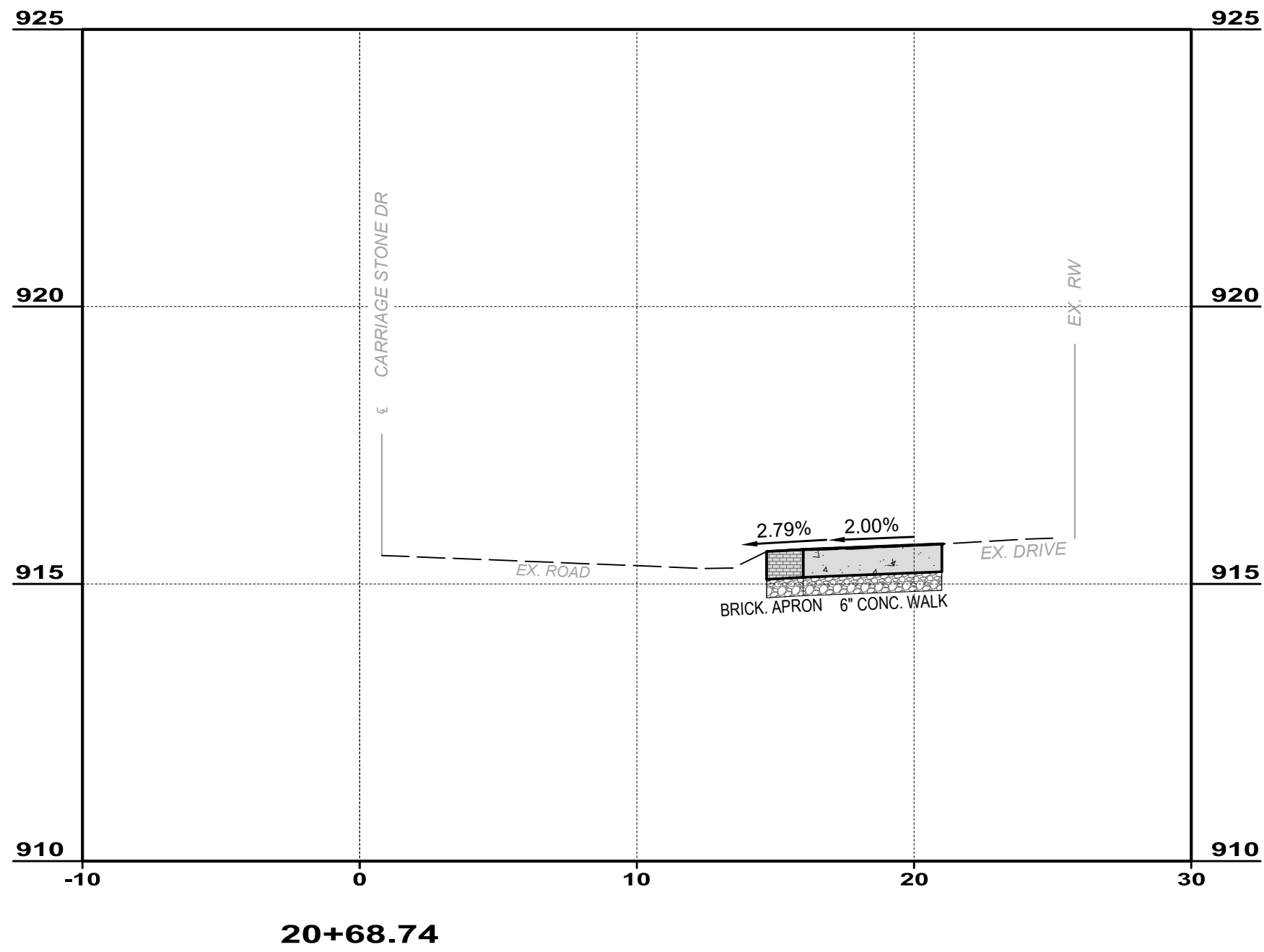
PROJECT NO.
24025503

DISCIPLINE
CIVIL

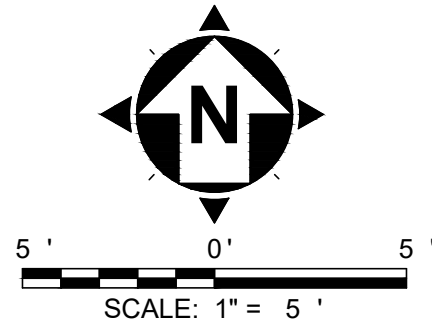
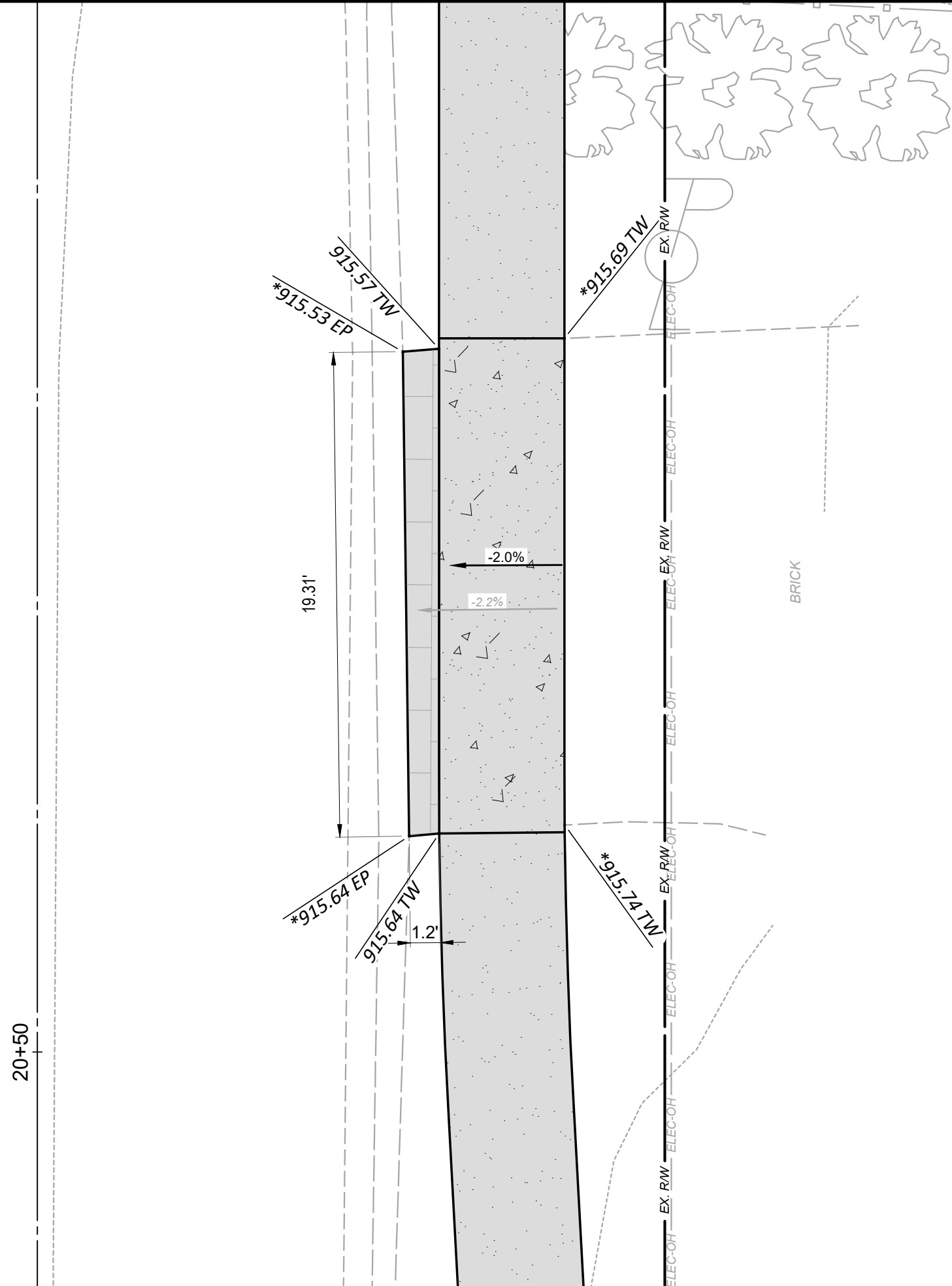
SHEET NAME
PROF - 5

SHEET
13

OF
17



20+68.74 - 45 CARRIAGE STONE DR.



- NOTES:
- * TIE-IN TO EXISTING DRIVEWAY OR CURB

STATE OF OHIO

ALEKSA A. CYVAS
E-88001

REGISTERED
PROFESSIONAL ENGINEER

verdantas

ISSUED FOR:	REVIEW	NO	REVISION	DATE
ISSUE DATE:	05/08/2025			
SCALE:	AS SHOWN			
DESIGNED BY:	LMM			
DRAWN BY:	LMM			
CHECKED BY:	AAC			

VILLAGE OF CHAGRIN FALLS

CARRIAGE STONE DR SIDEWALK IMPROVEMENTS

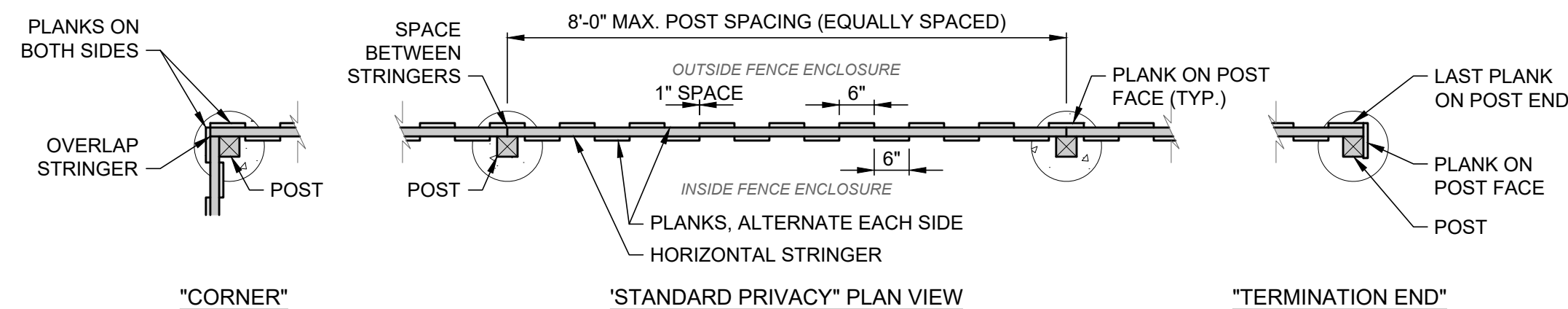
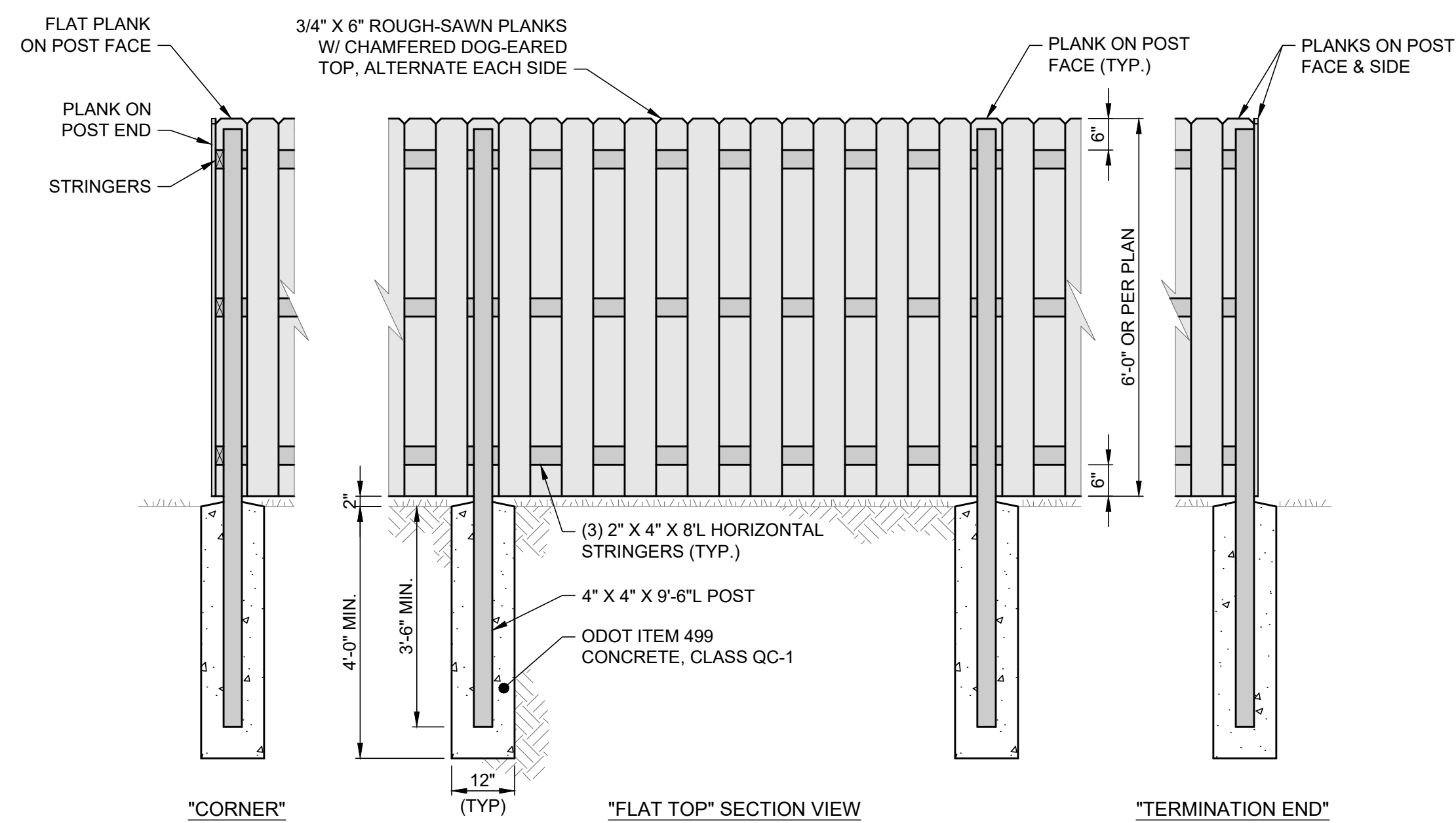
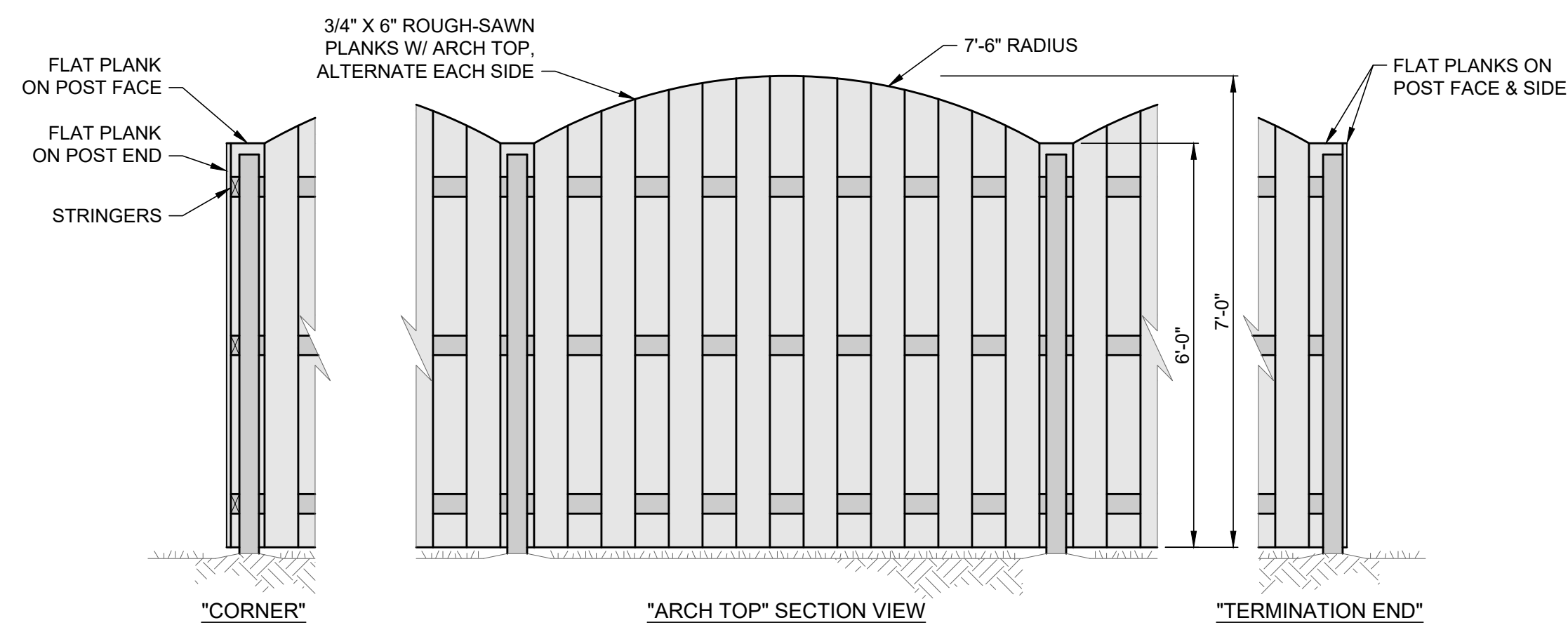
CHAGRIN FALLS CUYAHOGA COUNTY, OHIO

DRIVE PROFILES - 6

45 CARRIAGE STONE DR.

PROJECT NO.	
24025503	
DISCIPLINE	
CIVIL	
SHEET NAME	
PROF - 6	
SHEET	OF
14	17

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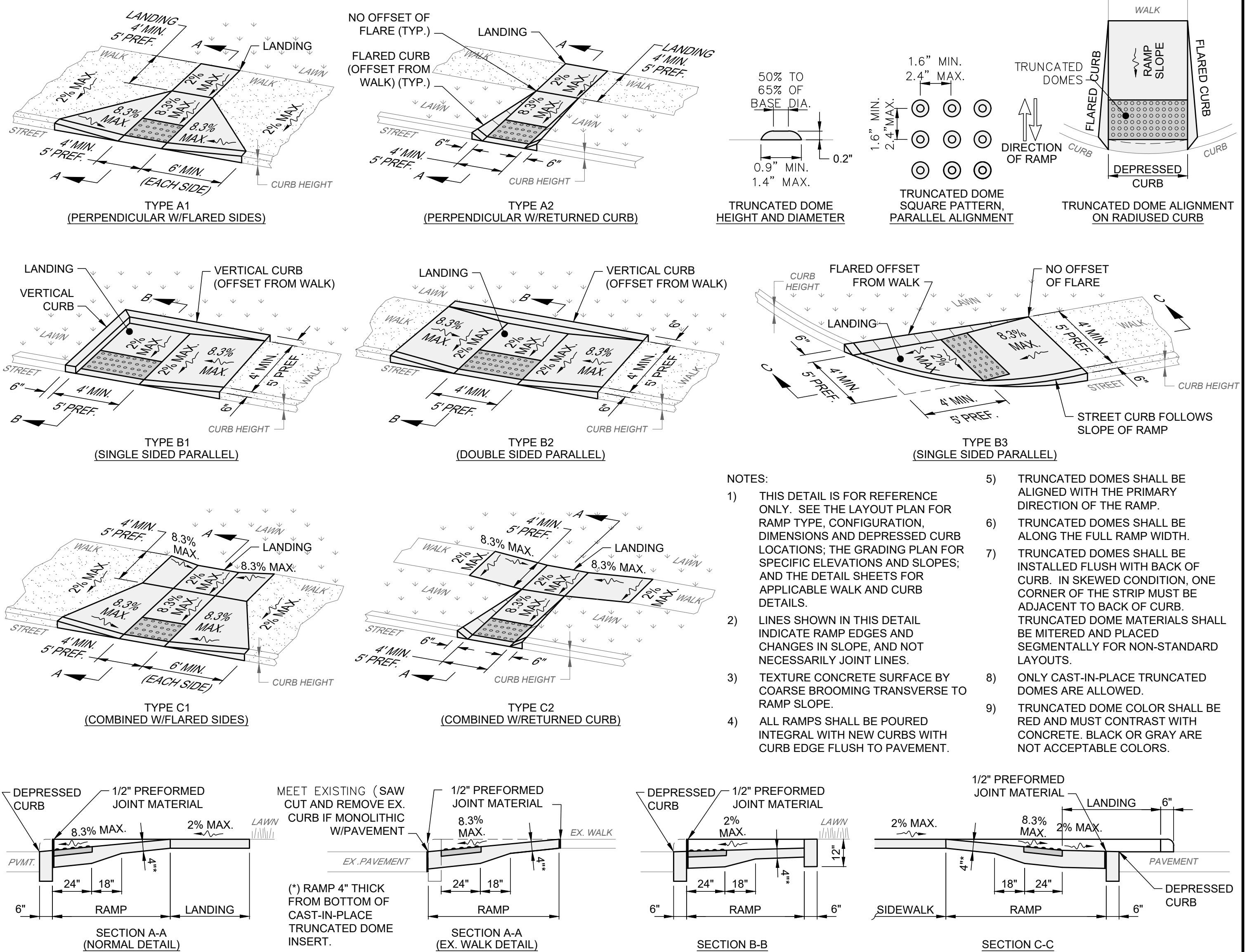


- NOTES:

1. THIS DETAIL IS FOR REFERENCE AND DIMENSION CONTROL ONLY; SEE LAYOUT PLAN FOR ACTUAL CONFIGURATION AND TYPE OF FENCE TOP.
2. 6'-0" HIGH FENCE WITH 3 STRINGERS AND 4" X 4" POSTS SHOWN. FOR 8' HIGH FENCE, USE 4 STRINGERS AND ALL 6" X 6" POSTS.
3. POSTS, PLANKS AND STRINGERS SHALL BE PRESERVATIVE-TREATED WOOD [OR CEDAR PER OWNER CHOICE].
4. ALL SCREWS SHALL BE EXTERIOR GRADE STAR-FLAT HEAD WOOD DECK SCREWS.
5. PLANK SPACING MAY BE INCREASED BY OWNER CHOICE. PER VILLAGE CODE, 25% OF SURFACE SHALL BE OPEN TO AIR AND LIGHT.
6. PROVIDE 1/4" MIN. & 3/8" MAX. JOINT SPACING WHERE STRINGERS ABUT FOR WOOD EXPANSION AND CONTRACTION.
7. STRINGERS AND PLANKS SHALL BE HORIZONTAL OR SLOPED TO ACCOUNT FOR GRADE CHANGES.
8. ATTACH STRINGER TO POSTS WITH (2) 3-1/2" SCREWS AT EACH END AND PLANKS TO STRINGERS WITH (3) 1-5/8" SCREWS AT EACH STRINGER. NAILS ARE UNACCEPTABLE.
9. APPLY ONE (1) COAT ALL-IN-ONE WOOD CLEANER AND TWO (2) COATS PREMIUM EXTERIOR ACRYLIC SOLID COLOR WOOD WATERPROOFING STAIN & SEALER WITH 25-YEAR WARRANTY OR SEMI-TRANSPARENT WATERPROOFING STAIN & SEALER WITH 15-YEAR WARRANTY TO ALL WOOD SURFACES. TRANSPARENT TYPE AND COLOR SHALL BE CHOSEN BY OWNER OR ARCHITECT.

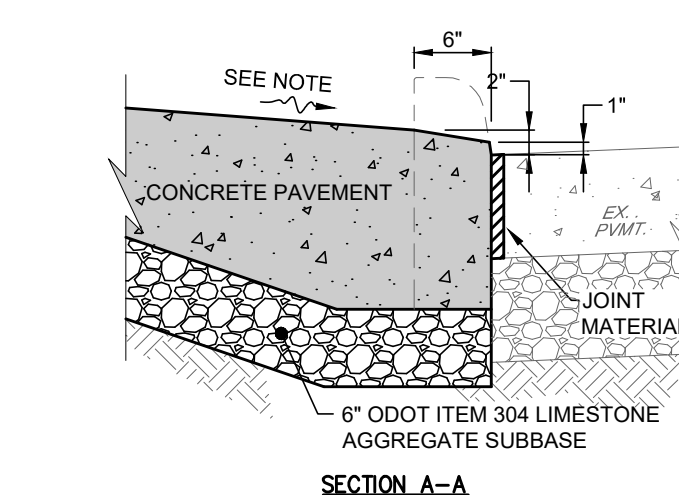
DOUBLE-SIDED BOARD-ON-BOARD WOOD FENCE DETAIL

SCALE: NONE



CURB RAMP WITH DETECTABLE WARNING DETAILS

SCALE: NONE

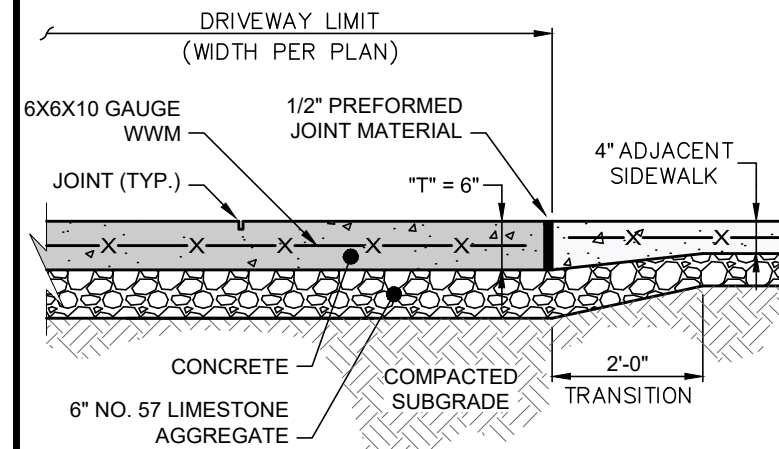


- NOTES:

- 1) THE DROP CURB SHALL BE HAND FORMED AT THE TIME THE CONCRETE APRON IS POURED.
- 2) CONCRETE SHALL BE ODOT ITEM 499 CONCRETE, CLASS QC MS
- 3) SEE SEPARATE DETAILS FOR ADDITIONAL REQUIREMENTS AND LAYOUT PLAN FOR ACTUAL DIMENSIONS.

**CONCRETE DRIVE APRON
AT EX. PAVEMENT DETAIL**

SCALE: NONE

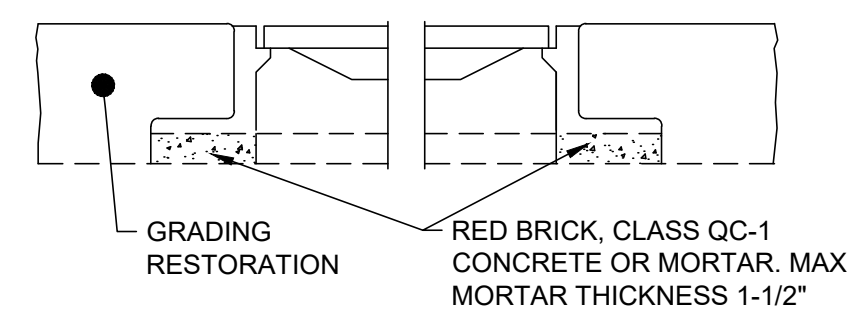


- NOTES:

- 1) CONCRETE SHALL BE ODOT ITEM 499 CONCRETE, CLASS QC MS.
- 2) THIS DETAIL SHOWS A 4" SIDEWALK AND 6" DRIVEWAY FOR REFERENCE ONLY, .

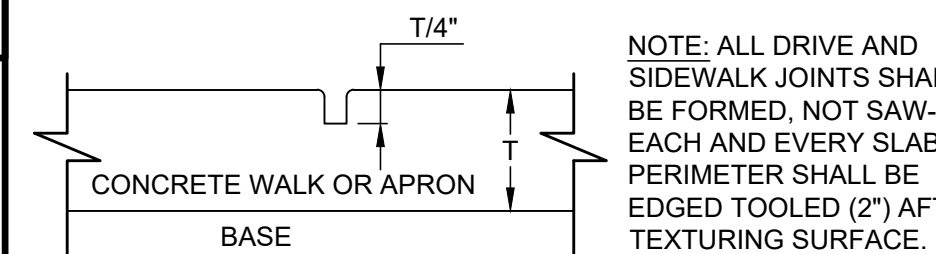
CONCRETE WALK THROUGH DRIVEWAY DETAIL

SCALE: NONE



MH/IB ADJUSTED TO GRADE

NOT TO SCALE



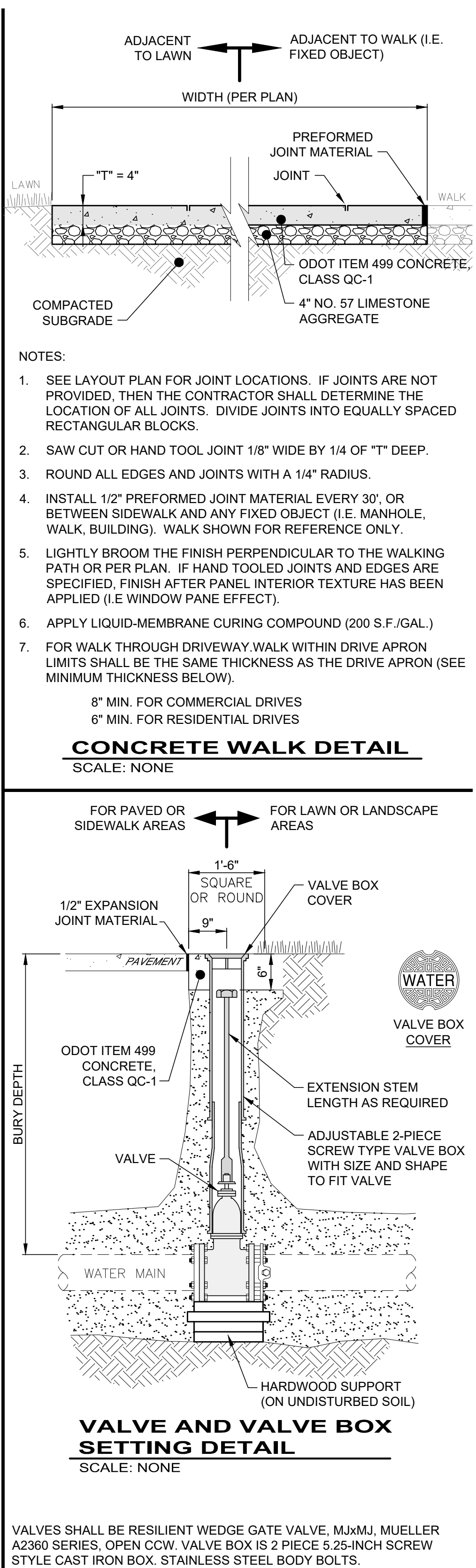
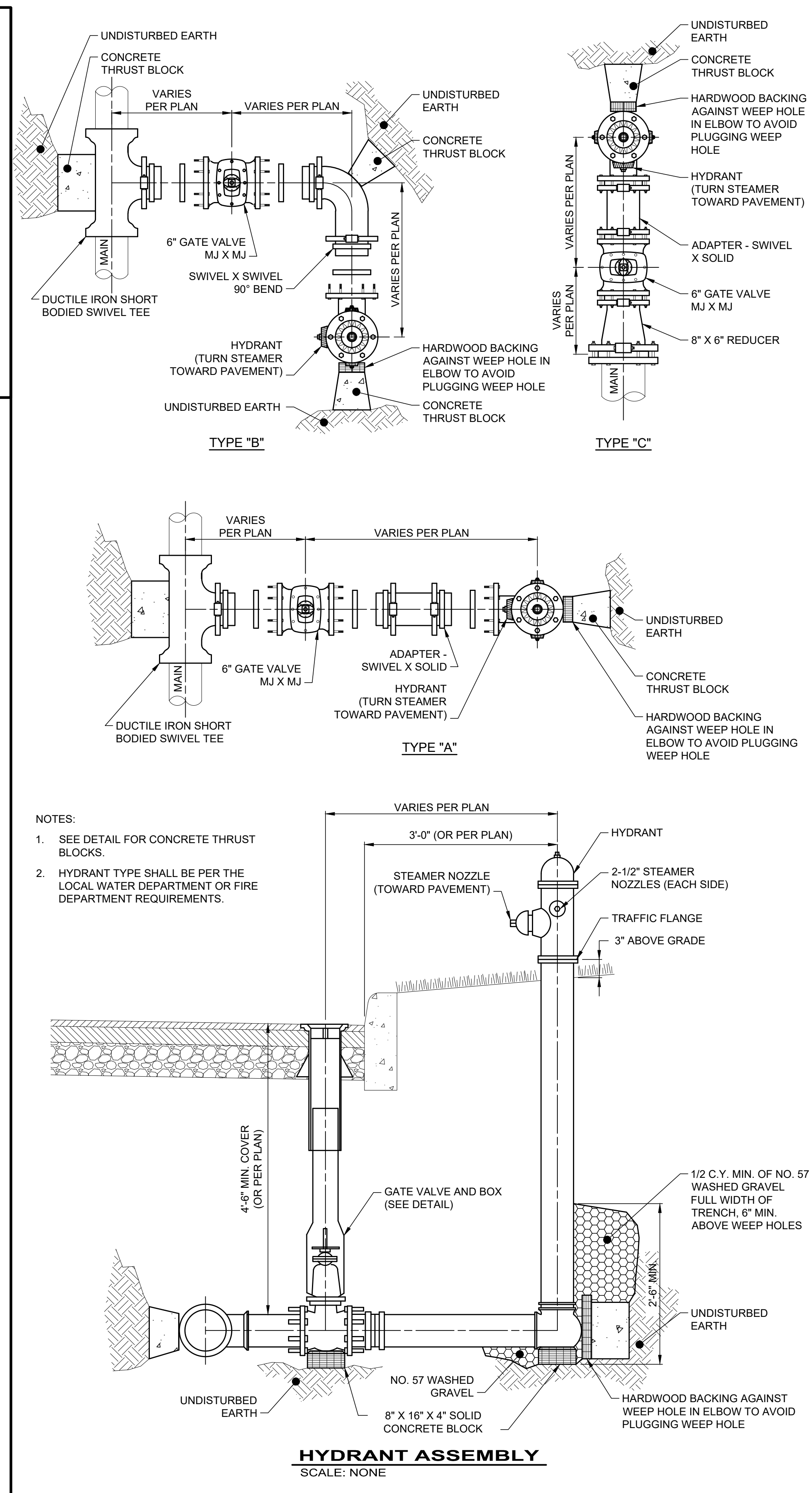
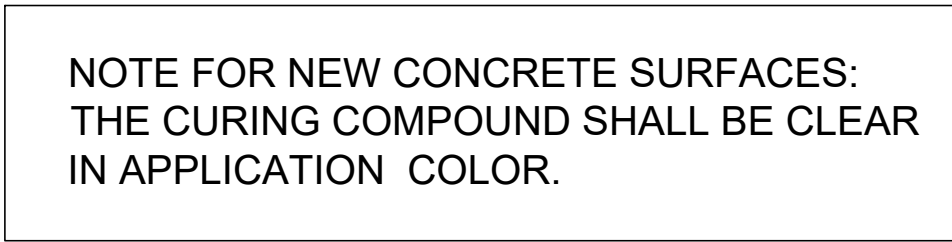
IMPRESSION JOINT FORMED

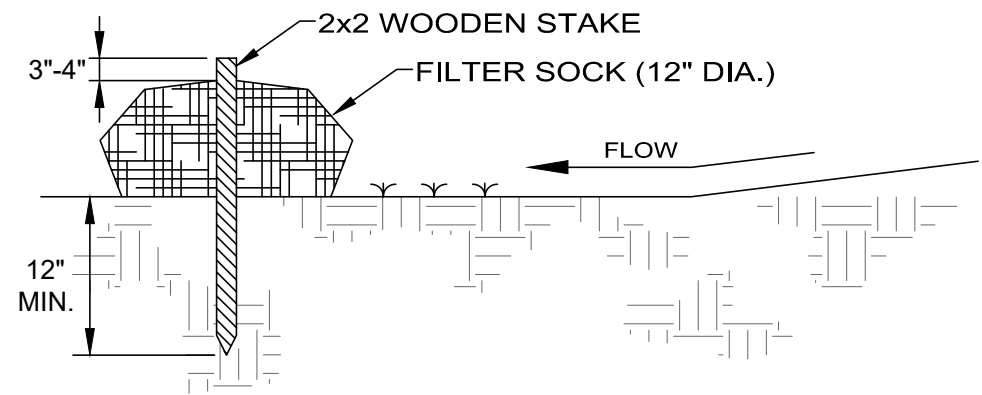
NOT TO SCALE

NOTE: ALL DRIVE AND SIDEWALK JOINTS SHALL BE FORMED, NOT SAW-CUT. EACH AND EVERY SLAB PERIMETER SHALL BE EDGED TOOLED (2") AFTER TEXTURING SURFACE.

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ISSUE DATE: 05/08/2025			
SCALE: AS SHOWN			
DESIGNED BY: LMM			
DRAWN BY: LMM			
CHECKED BY: LMM			

PROJECT NO.	
24025503	
DISCIPLINE	
CIVIL	
SHEET NAME	
DET - 1	
SHEET	OF
15	17





MATERIALS - COMPOST USED FOR FILTER SOCKS SHALL BE WEED, PATHOGEN AND INSECT FREE AND FREE OF ANY REFUSE, CONTAMINANTS OR OTHER MATERIALS TOXIC TO PLANT GROWTH. THEY SHALL BE DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER AND CONSIST OF PARTICLES RANGING FROM 3/8" TO 2".

INSTALLATION:

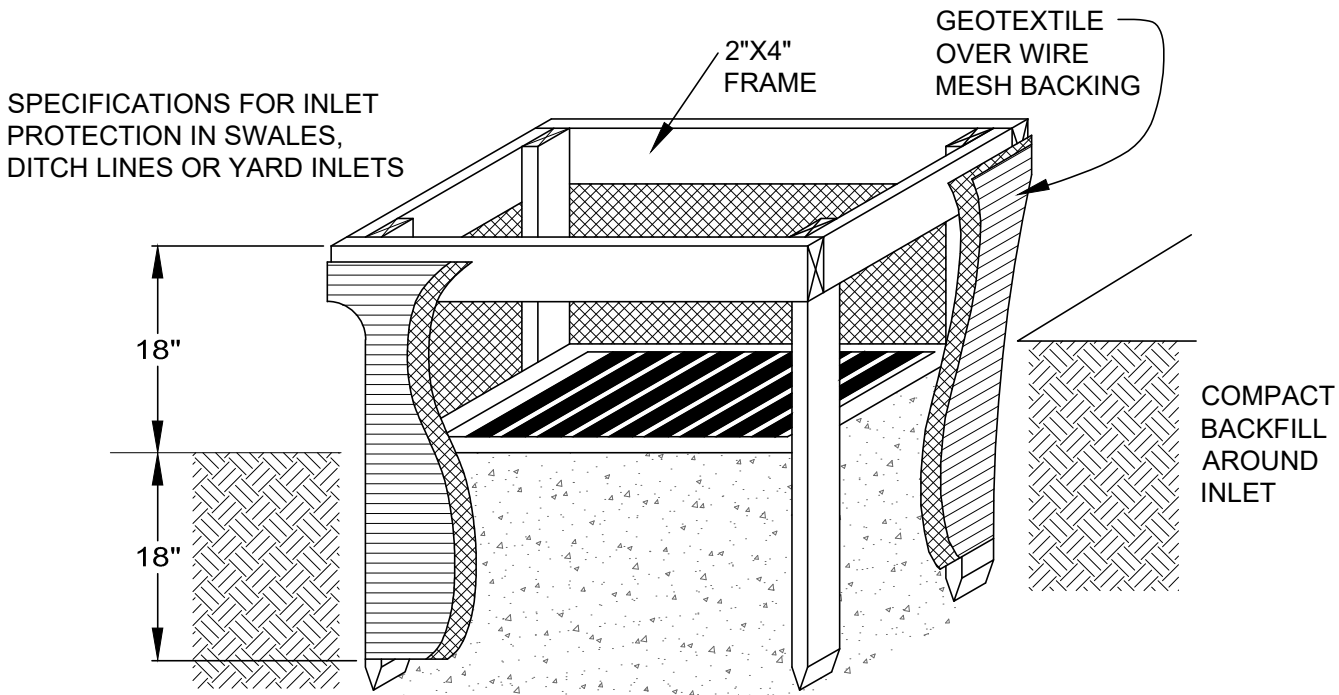
1. FILTER SOCKS WILL BE PLACED ON A LEVEL LINE ACROSS SLOPES; GENERALLY PARALLEL TO THE BASE OF THE SLOPE OR OTHER AFFECTED AREA. ON SLOPES APPROACHING 2:1; ADDITIONAL SOCKS SHALL BE PROVIDED AT THE TOP AND AS NEEDED MID-SLOPE.
2. FILTER SOCKS INTENDED TO BE LEFT AS A PERMANENT FILTER OR PART OF THE NATURAL LANDSCAPE, SHALL BE SEEDED AT THE TIME OF INSTALLATION FOR ESTABLISHMENT OF PERMANENT VEGETATION.
3. FILTER SOCKS ARE NOT TO BE USED IN CONCENTRATED FLOW SITUATIONS OR IN RUNOFF CHANNELS.

MAINTENANCE:

1. ROUTINELY INSPECT FILTER SOCKS AFTER EACH SIGNIFICANT RAIN, MAINTAINING FILTER SOCKS IN A FUNCTIONAL CONDITION AT ALL TIMES.
2. REMOVE SEDIMENTS COLLECTED AT THE BASE OF THE FILTER SOCKS WHEN THEY REACH 1/3 OF THE EXPOSED HEIGHT OF THE PRACTICE.
3. WHERE THE FILTER SOCK DETERIORATES OR FAILS, IT WILL BE REPAIRED OR REPLACED WITH A MORE EFFECTIVE ALTERNATIVE.
4. REMOVAL - FILTER SOCKS WILL BE DISPERSED ON SITE WHEN NO LONGER REQUIRED IN SUCH A WAY AS TO FACILITATE AND NOT OBSTRUCT SEEDINGS.

**FILTER SOCK
(SILT FENCE ALTERNATE)**

NOT TO SCALE



SPECIFICATIONS FOR INLET PROTECTION IN SWALES, DITCH LINES OR YARD INLETS:

1. INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE STORM DRAIN BECOMES OPERATIONAL.
2. THE EARTH AROUND THE INLET SHALL BE EXCAVATED COMPLETELY TO A DEPTH AT LEAST 18 INCHES.
3. THE WOODEN FRAME SHALL BE CONSTRUCTED OF 2-BY-4-INCH CONSTRUCTION-GRADE LUMBER. THE 2-BY-4-INCH POSTS SHALL BE DRIVEN 1 FOOT INTO THE GROUND AT FOUR CORNERS OF THE INLET AND THE TOP PORTION OF 2-BY-4-INCH FRAME ASSEMBLED USING THE OVERLAP JOINT SHOWN. THE TOP OF THE FRAME SHALL BE AT LEAST 6 INCHES BELOW ADJACENT ROADS IF PONDED WATER WOULD POSE A SAFETY HAZARD TO TRAFFIC.
4. WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC WITH WATER FULLY IMPOUNDED AGAINST IT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY TO THE FRAME.
5. GEOTEXTILE SHALL HAVE AN EQUIVALENT OPENING SIZE OF 20-40 SIEVE AND BE RESISTANT TO SUNLIGHT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY. IT SHALL EXTEND FROM THE TOP OF THE FRAME TO 18 INCHES BELOW THE INLET NOTCH ELEVATION. THE GEOTEXTILE SHALL OVERLAP ACROSS ONE SIDE OF THE INLET SO THE ENDS OF THE CLOTH ARE NOT FASTENED TO THE SAME POST.
6. BACKFILL SHALL BE PLACED AROUND THE INLET IN COMPACTED 6 INCH LAYERS UNTIL THE EARTH IS EVEN WITH NOTCH ELEVATION ON ENDS AND TOP ELEVATION ON SIDES.
7. A COMPACTED EARTH DIKE OR A CHECK DAM SHALL BE CONSTRUCTED IN THE DITCH LINE BELOW THE INLET IF THE INLET IS NOT IN A DEPRESSION AND IF RUNOFF BYPASSING THE INLET WILL NOT FLOW TO A SETTLING POND. THE TOP OF EARTH DIKES SHALL BE AT LEAST 6 INCHES HIGHER THAN THE TOP OF THE FRAME.

INLET PROTECTION

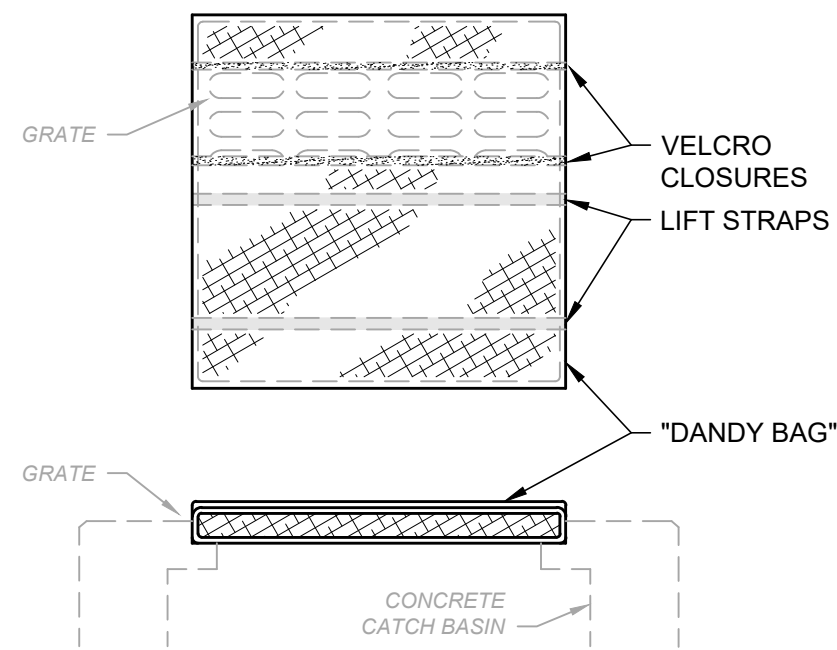
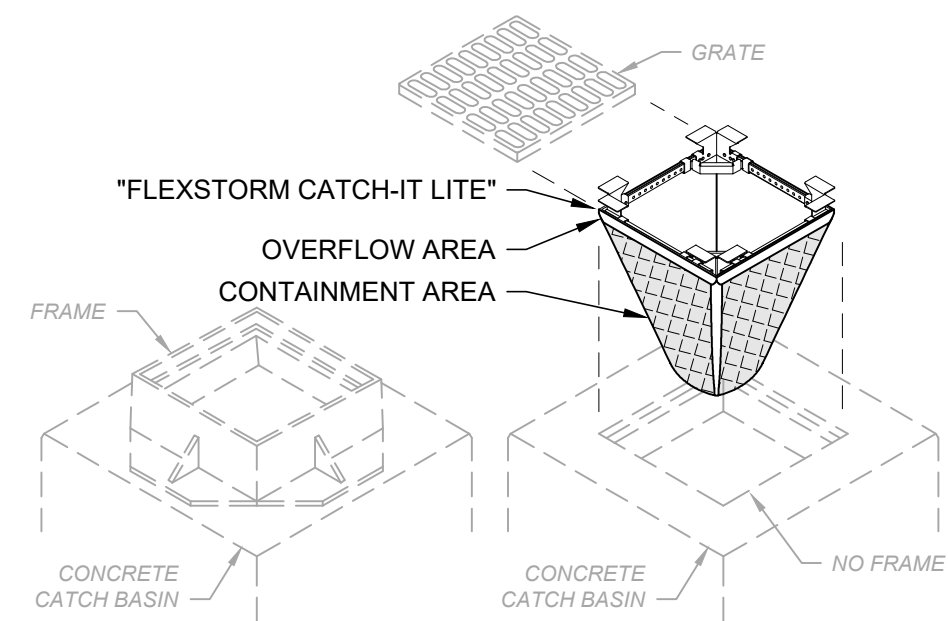
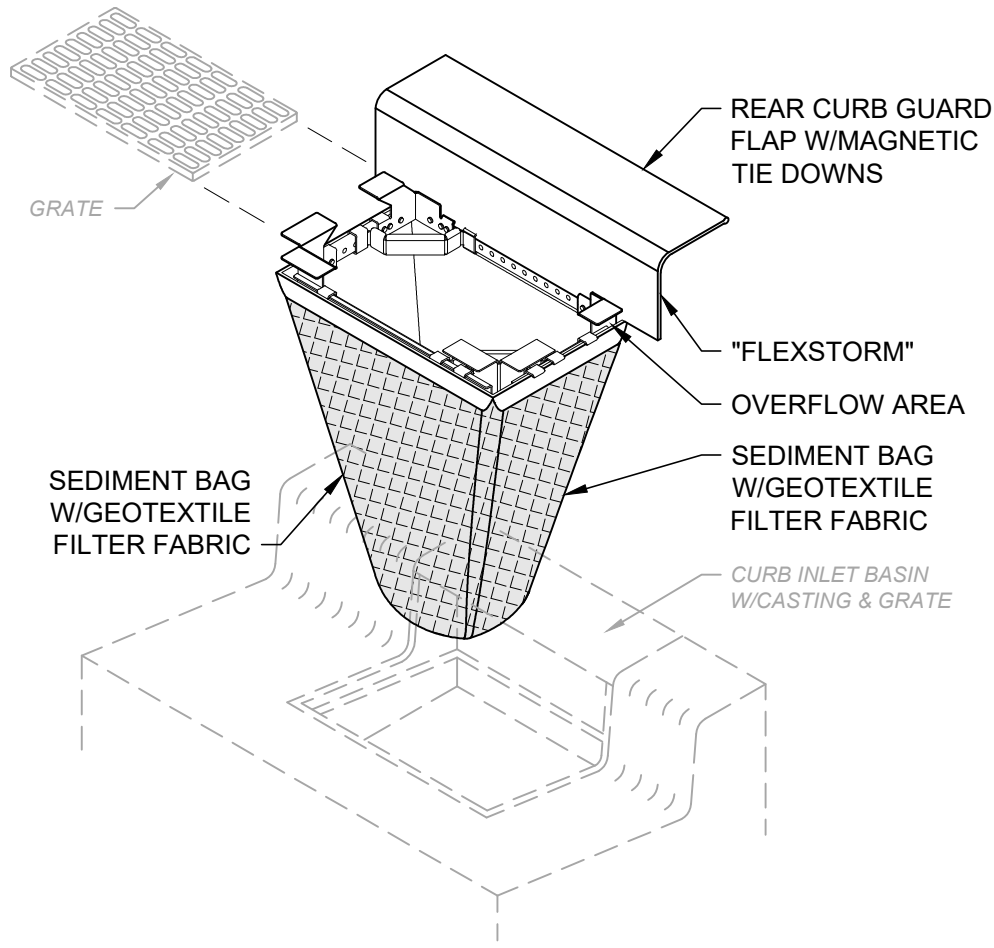
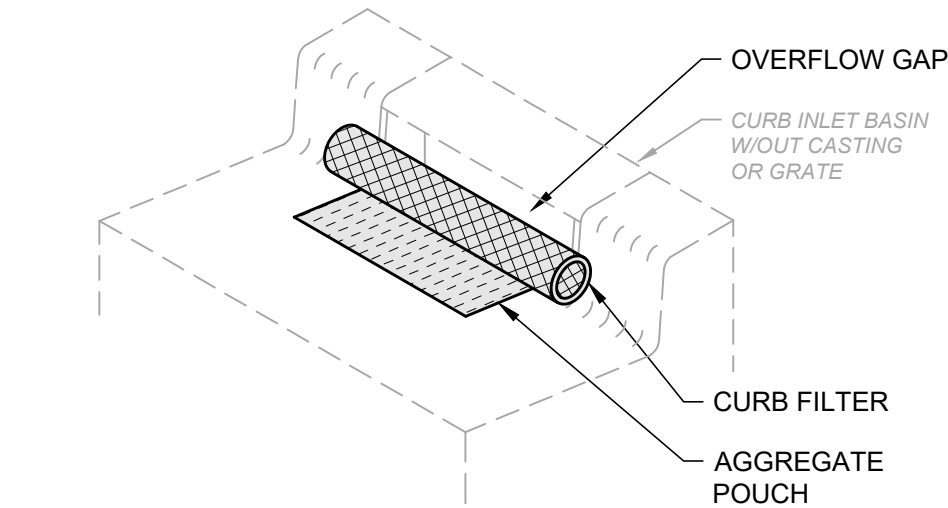
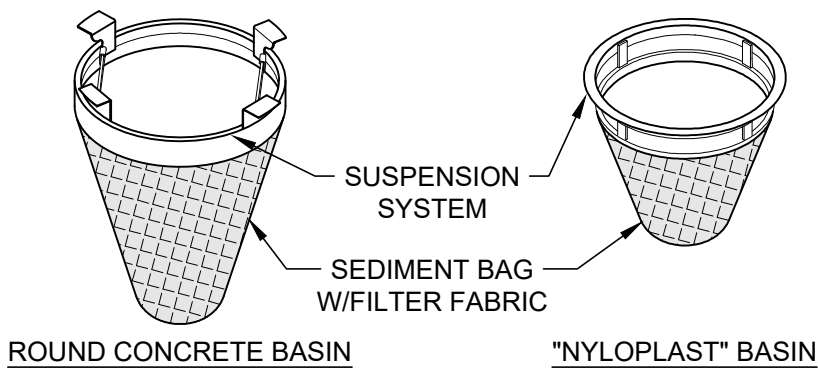
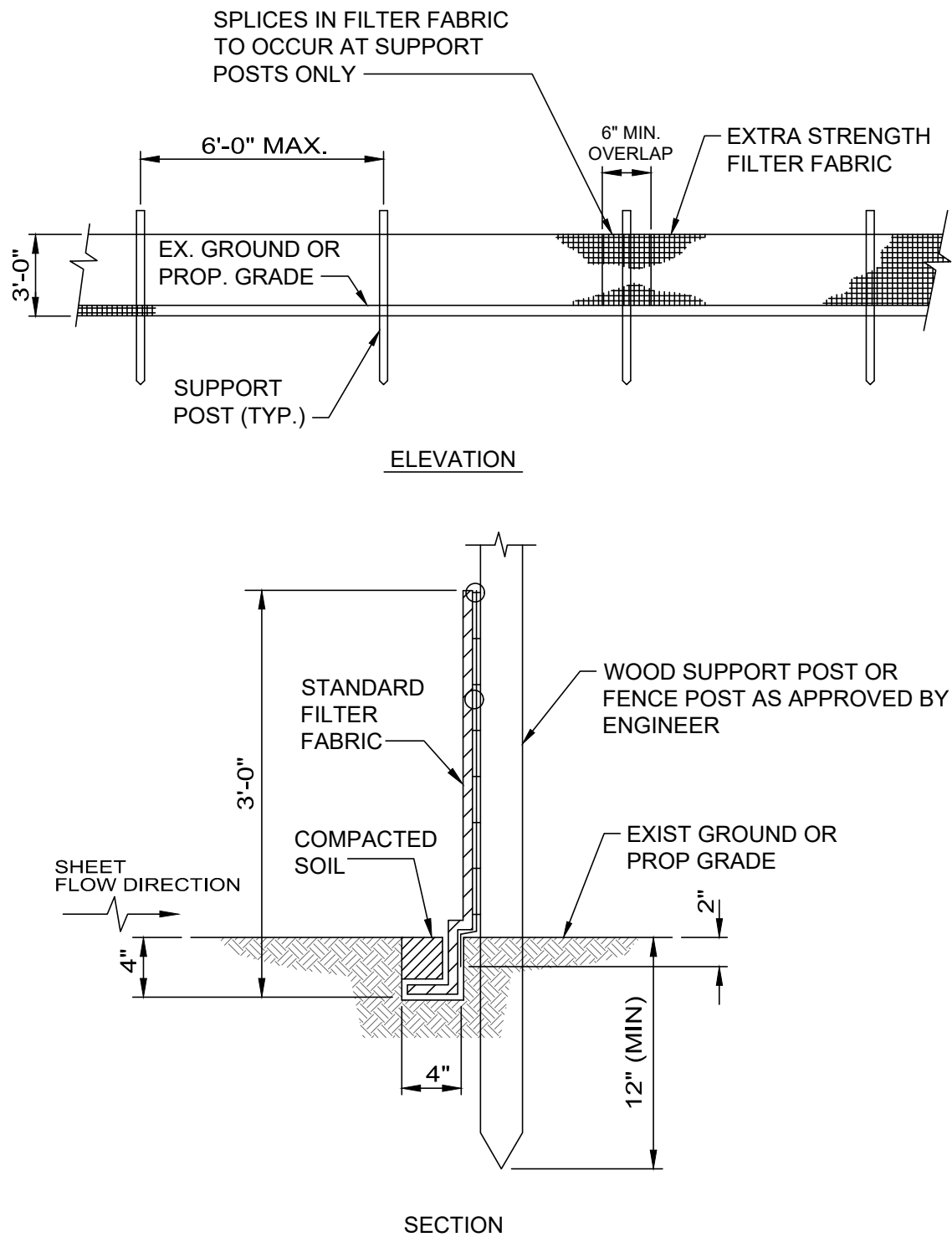
NOT TO SCALE

SILT FENCE NOTES:

1. SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS.
2. ALL SILT FENCE SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE SO THAT WATER WILL NOT CONCENTRATE AT LOW POINTS IN THE FENCE AND SO THAT SMALL SWALES OR DEPRESSIONS WHICH MAY CARRY SMALL CONCENTRATED FLOWS TO THE SILT FENCE ARE DISSIPATED ALONG ITS LENGTH.
3. TO PREVENT WATER PONDED BY THE SILT FENCE FROM FLOWING AROUND THE ENDS, EACH END SHALL BE CONSTRUCTED UPSLOPE SO THAT THE ENDS ARE AT A HIGHER ELEVATION.
4. WHERE POSSIBLE, SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE. WHERE POSSIBLE, VEGETATION SHALL BE PRESERVED FOR 5 FEET (OR AS MUCH AS POSSIBLE) UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE REESTABLISHED WITHIN 7 DAYS FROM THE INSTALLATION OF THE SILT FENCE.
5. THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 16 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
6. THE SILT FENCE SHALL BE PLACED IN A TRENCH CUT A MINIMUM OF 6 INCHES DEEP. THE TRENCH SHALL BE CUT WITH A TRENCHER, CABLE LAYING MACHINE, OR OTHER SUITABLE DEVICE WHICH WILL ENSURE AN ADEQUATELY UNIFORM TRENCH DEPTH.
7. THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSLOPE SIDE OF THE GEOTEXTILE AND SO THAT 8 INCHES OF CLOTH ARE BELOW THE GROUND SURFACE. EXCESS MATERIAL SHALL LAY ON THE BOTTOM OF THE 6-INCH-DEEP TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED.
8. SEAMS BETWEEN SECTION OF SILT FENCE SHALL BE OVERLAPPED WITH THE END STAKES OF EACH SECTION WRAPPED TOGETHER BEFORE DRIVING INTO THE GROUND.
9. MAINTENANCE - SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER OR AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES A CONCENTRATED FLOW, ONE OF THE FOLLOWING SHALL BE PERFORMED, AS APPROPRIATE:
 - 9.1. THE LAYOUT OF THE SILT FENCE SHALL BE CHANGED,
 - 9.2. ACCUMULATED SEDIMENT SHALL BE REMOVED, OR
 - 9.3. OTHER PRACTICES SHALL BE INSTALLED.
10. SILT FENCE MATERIALS
 - 10.1. FENCE POSTS - THE LENGTH SHALL BE A MINIMUM OF 32 INCHES LONG. WOOD POSTS WILL BE 2 X 2 INCH HARDWOOD OF SOUND QUALITY. THE MAXIMUM SPACING BETWEEN POSTS SHALL BE 10 FEET.
 - 10.2. SILT FENCE FABRIC (SEE CHART BELOW):

FABRIC PROPERTIES	VALUES	TEST METHOD
GRAB TENSILE STRENGTH	90 LB. MINIMUM	ASTM D 1682
MULLEN BURST STRENGTH	190 PSI MINIMUM	ASTM D 3786
SLURRY FLOW RATE	0.3 GAL./MIN./F2 MAXIMUM	
EQUIVALENT OPENING SIZE	40-80	US STD. SIEVE CW-02215
ULTRAVIOLET RADIATION STABILITY	90% MINIMUM	ASTM-G-26

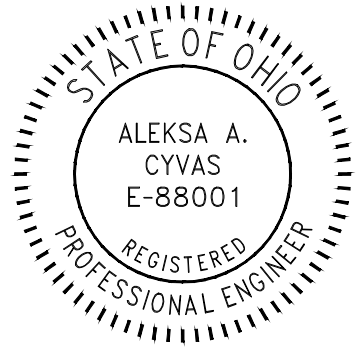
SILT FENCE DETAIL
NOT TO SCALE



NOTES:

1. ALL NEW AND EXISTING STORM INLET BASINS WITHIN THE WORK LIMITS SHALL HAVE INLET PROTECTION INSTALLED.
2. INLET PROTECTION SHALL BE INSTALLED AS EACH STORM INLET IS CONSTRUCTED.
3. NOT ALL ITEMS SHOWN MAY APPLY OR DIFFERENT TYPES OR CONFIGURATIONS MAY BE REQUIRED. THE CONTRACTOR SHALL MEASURE EACH INLET TO CONFIGURE AND ASSEMBLE CUSTOMIZED INLET FILTERS.

INLET PROTECTION DETAIL
NOT TO SCALE



verdantas

ISSUED FOR:	REVIEW	NO	REVISION	DATE
	05/08/2025			
ISSUE DATE:	AS SHOWN			
SCALE:	LMM			
DESIGNED BY:	LMM			
DRAWN BY:	LMM			
CHECKED BY:	AAC			

VILLAGE OF CHAGRIN FALLS
CARRIAGE STONE DR SIDEWALK IMPROVEMENTS
CHAGRIN FALLS CUYAHOGA COUNTY, OHIO

CONSTRUCTION DETAILS - 3

PROJECT NO. 24025503	
DISCIPLINE CIVIL	
SHEET NAME DET - 3	
SHEET 17	OF 17