



**Parks & Recreation Commission
NORTH RIDGEVILLE SENIOR CENTER
AGENDA OF SEPTEMBER 24, 2025
7:30 PM**

CALL TO ORDER

PLEDGE OF ALLEGIANCE

ROLL CALL

FINALIZATION OF AGENDA

APPROVAL OF MINUTES

LOBBY

REPORTS

- A. COUNCIL LIASISON'S REPORT**
- B. SCHOOL BOARD LIAISON'S REPORT**
- C. FINANCIAL REPORT**
- D. PARKS & RECREATION DIRECTOR REPORT**
- E. RECREATION SERVICES ADMINISTRATOR REPORT**
- F. GROUNDS MAINTENANCE REPORT**

OLD BUSINESS

NEW BUSINESS

ADJOURNMENT

Parks & Recreation Commission
MINUTES OF REGULAR MEETING: AUGUST 27, 2025



The Parks & Recreation Commission meeting was called to order by Chairman Jill Timoteo at 7:30p.m.

ROLL CALL:

Georgia Awig, Andy McDowell, Jill Timoteo, Bob Holub, Jeff Grigsby and Kevin Fougerousse

FINALIZATION OF AGENDA:

Motion by Awig 2nd by Holub for approval of Agenda.

5–Yes, 0–No

APPROVAL OF MINUTES:

Approval of minutes from the regularly scheduled meeting on July 27, 2025 meeting.

Motion by McDowell, 2nd by Grigsby for approval of minutes from the commission meeting on July 27, 2025.

5–Yes, 0–No

LOBBY:

None

REPORTS:

COUNCIL LIAISONS REPORT:

Councilwoman Georgia Awig reported that University Hospital Urgent Care facility opened this week. Continuing with full depth concrete repair and asphalt work of some of the potholes. There will be an income tax issue on the ballot in November. Mayor Corcoran will be sharing information on that throughout the city.

SCHOOL BOARD LIAISONS REPORT:

Jeff Grigsby reported that we broke ground on the new schools. Convocation day for the schools was held on August 19 and they recognized teachers who have been there for 10-15-20 years. Next meeting will be on September 2.

FINANCIAL REPORT:

Parks & Recreation Director Kevin Fougousse reported that Trust Fund revenue in July was \$45,050.64. Trust Fund unencumbered balance through July was \$297,412.57. The Park and Recreation Improvement Fund revenue in July was \$1,881.70. The Park and Recreation Improvement Fund unencumbered balance through July is \$222,678.90. Trust Fund expenses in July were \$67,. Our General Fund expenses in June were \$51,677.39.

DIRECTORS REPORT:

Parks & Recreation Director Kevin Fougousse reported that the department hired GCS Electric to install new electrical throughout South Central Park. The project consists of 35 new pedestal electrical outlets being installed around the trail. GCS will also be installing new LED light fixtures on the existing light poles located on the southeast corner of South Central Park. The project cost is \$66,187.00.

RECREATION SERVICES ADMINISTRATOR REPORT:

Beginner ASL Class runs September 2-October 21 from 7:00-8:00 PM, at the time of this report we had 02 pre-registered. AHA CPR/BLS runs on September 6 at Fire Station 1 from 9:00 AM – 1:00 PM, we currently have 10 pre-registered. Family & Friends CPR will be held on September 13 from 9:00 AM – 11:00 AM and we currently have 08 pre-registered. Hummingbirds Soccer is offered and ran by Jump Start Sports and is open to boys and girls ages 3-6. Program runs September 3-October 8. Girls Fall Flag Football runs August 23-October 18. We have 2 teams in our 3rd & 4th Grade League and 1 team in our 5th & 6th Grade League. Sunday Night Lacrosse Skills Series is run by Connor Cmiel. It is open to kids in grades 3rd-8th and runs September 14-October 19. We currently have 05 pre-registered in grades 3rd-5th and 09 pre-registered in grades 6th-8th. Mile Mates is a 12-week couch to 5K program which gets participants ready for the Stache Dash in November. We have 06 pre-registered for the program.

GROUNDS MAINTENANCE REPORT:

No report.

OLD BUSINESS:

No old business.

NEW BUSINESS:

No new business

ADJOURNMENT: Meeting adjourned at 7:43PM



TRUST FUND REVENUE (275):

Month	2024 Fiscal Year	2025 Fiscal Year	Difference + / -	Percentage +/-
January	\$42,795.43	\$46,202.32	(+) \$3,406.89	(+) 7.96%
February	\$55,883.30	\$45,366.42	(-) \$10,516.88	(-) 18.82%
March	\$27,650.12	\$38,510.32	(+) \$10,860.20	(+) 39.28%
April	\$28,963.71	\$65,825.11	(+) \$36,861.40	(+) 127.27%
May	\$28,599.04	\$37,271.51	(+) \$8,672.47	(+) 30.32%
June	\$40,757.27	\$54,967.44	(+) \$14,210.17	(+) 34.87%
July	\$34,378.88	\$45,050.64	(+) \$10,671.76	(+) 31.04%
August	\$22,316.39	\$18,516.27	(-) \$3,800.12	(-) 17.03%
Total	\$281,344.14	\$351,710.03	(+) \$71,398.89	(+)25.01%

Unencumbered balance through August 2025: \$283,312.38

PARK AND RECREATION IMPROVEMENT FUND REVENUE (280):

Month	2024 Fiscal Year	2025 Fiscal Year	Difference + / -	Percentage +/-
January	\$4,633.44	\$2,679.80	(-) \$1,953.64	(-) 42.16%
February	\$3,724.67	\$1,262.28	(-) \$2,462.39	(-) 66.11%
March	\$3,782.95	\$2,671.74	(-) \$1,111.21	(-) 29.37%
April	\$5,709.03	\$5,364.62	(-) \$344.41	(-) 6.032%
May	\$2,050.28	\$2,278.36	(+) \$228.08	(+) 11.12%
June	\$2,344.81	\$2,018.38	(-) \$326.43	(-) 13.92%
July	\$2,247.15	\$1,881.70	(-) \$365.45	(-) 16.26%
August	\$4,376.67	\$1,538.34	(-) \$2,838.33	(-) 64.85%
Total	\$28,869.00	\$19,695.22	(-) \$9,173.78	(-) 26.84%

Unencumbered balance through August 2025: \$224,217.24

GENERAL FUND EXPENSES (185):

Month	2024 Fiscal Year	2025 Fiscal Year
January	\$41,971.64	\$50,073.82
February	\$46,999.90	\$45,307.62
March	\$30,466.42	\$35,502.10
April	\$52,269.15	\$36,060.66
May	\$35,876.95	\$68,610.17
June	\$36,200.65	\$51,677.39
July	\$39,020.94	\$58,672.77
August	\$41,297.65	\$48,583.67
Total	\$324,103.30	\$394,488.20

TRUST FUND EXPENSES (275):

Month	2024 Fiscal Year	2025 Fiscal Year
January	\$15,911.56	\$19,292.95
February	\$37,090.62	\$17,441.40
March	\$28,605.72	\$18,093.41
April	\$41,883.66	\$37,702.77
May	\$40,390.90	\$50,943.00
June	\$48,905.38	\$66,947.51
July	\$42,446.31	\$67,278.70
August	\$35,183.40	\$31,820.35
Total	\$290,417.55	\$309,520.09

DIRECTORS REPORT:

Root Road Park Improvement Project:

We went out to bid for the Root Road Park Improvement Project. Legal notice was published on September 4 & 11 through the Chronicle. The bid opening will be held on Thursday, September 25 at 11:00 AM. The engineers' estimate for this project is: \$817,800.00.

RECREATION SERVICES ADMINISTRATOR REPORT:

Program Name: Gym & story Time Session II & III

Date: September 19 & October 3

Time: 10:00-11:00AM

Current Enrollment:

September 19: 08

October 3: 04

Program Description:

Come join us with North Ridgeville Library for a story and some movement to burn off some energy. Children can come and have some fun while making new friends. Your child will experience gross motor movements and social skills, with stories and a snack.

Program Name: NRPRD Annual Fall Fest

Date: 10/11/2025

Time: 4:00-6:00PM

Current Enrollment: No Registration Required

Program Description:

Come enjoy a fun fall day with the Parks & Recreation Department. Families will experience fun games, food vendors, face & pumpkin painting, balloon animals, pumpkin bowling, photo booth and hay rides (weather permitting). We buy a limited number of pumpkins to give out so come early so your child is guaranteed one.

Sponsored by: Legacy Roofing, Mayor Kevin Corcoran, Lorain County Community College, Angelina's Pizza, Georgia Awig Council-At-Large

Program Name: Pumpkin Decorating

Date: 10/10/2025

Time: 10:30AM-12:00PM

Current Enrollment: 19

Program Description:

Looking to decorate a pumpkin this Halloween? North Ridgeville Parks and Recreation and Senior Center have got you covered! We will have glitter, stickers, paint and other craft supplies to make sure you have the best pumpkin in town. Come create something beautiful, scary or zany- the possibilities only end when your creativity does! This is an inter-generational program with older adults. All supplies will be provided. Please preregister for this event so that we can have enough supplies for everyone. One pumpkin will be provided to each person preregistered. We will also have a contest to show off your skills and snacks will be provided.

Program Name: Tots Trick or Treat

Date: 10/24/2025

Time: 1:00PM

Current Enrollment: 25

Program Description:

BOO!!! Bring out your little witch's and goblins to City Hall to march in a parade and receive some ghoulish treats. PLEASE PRE-REGISTER TO ATTEND.

Program Name: All Levels Yoga

Dates: September 18-October 9

Times: 7:30-8:30PM

Current Enrollment: 17 (Program is FULL)

Program Description:

Beginner and experienced participants will learn poses focusing on alignment, focus-point and breath. The class is a low-to-medium paced flow of movement. You will receive personalized instruction on the fundamentals of yoga. Explore classic yoga poses, learn healthy body alignment, experiment with modifications and props and become comfortable with the nature of yoga.

Program Name: HIIT Yoga

Dates: September 15-October 6

Current Enrollment: 13

Program Description:

A blend of yoga with HIIT (High Intensity Interval Training), with low-intensity options, is a workout designed for all levels wanting to develop their fitness & yoga practice. HIIT is alternating intervals of high intensity workout with rest (2:1 ratio-40 seconds of HIIT to 20 seconds in a resting pose). The portions of the class are: 5 minutes centering, 10 minutes yoga warm-up flow, 30 minute yoga HIIT, 10 minute cool-down yoga flow & ending with a 5 minute savasana. Receiving the benefits both a HIIT (cardio) & Yoga (balance & flexibility) have to offer!

Program Name: Sound Bath

Date: October 13

Current Enrollment: 05

Program Description:

Join Becky Hopp from With a Grateful Heart Wellness, as she takes you on a relaxing journey using the highest grade Crystal Alchemy Singing Bowls. This full body relaxation experience will help with stress, tension, sleeplessness, anxiety, depression, grief, physical pain, addiction and more. Based on ancient healing techniques, this occurs through the sound wave vibrations which calm the nervous system and balance the subtle body. Are you ready to let go of stress & worry? Be prepared to leave the session feeling refreshed, radiant, and glowing from the inside out. Come be bathed in the healing vibrations of sound, all from the comfort of your own yoga mat.

Program Name: Stroller Strong

Date: September 10-October 15

Current Enrollment: 05

Program Description:

Stroller Strong is an energetic, total-body workout designed for moms with kids in tow! Each 60 minute workout focuses on strength training, basic cardio, and core restoration, all while entertaining little ones with songs, activities, and fun! The Stroller Strong instructor is skilled to meet you where you are mentally and physically by providing motivation and modifications in a judgement free zone so you get the best workout possible! You'll leave class feeling connected, successful, and energized. No mommy guilt here! This class is all about self-care in a supportive and encouraging environment.

CITY OF NORTH RIDGEVILLE PARKS DEPARTMENT ROOT ROAD PARK PAVEMENT & SITE IMPROVEMENTS

8949 ROOT ROAD, NORTH RIDGEVILLE, OHIO 44039

LEGEND OF LINETYPES

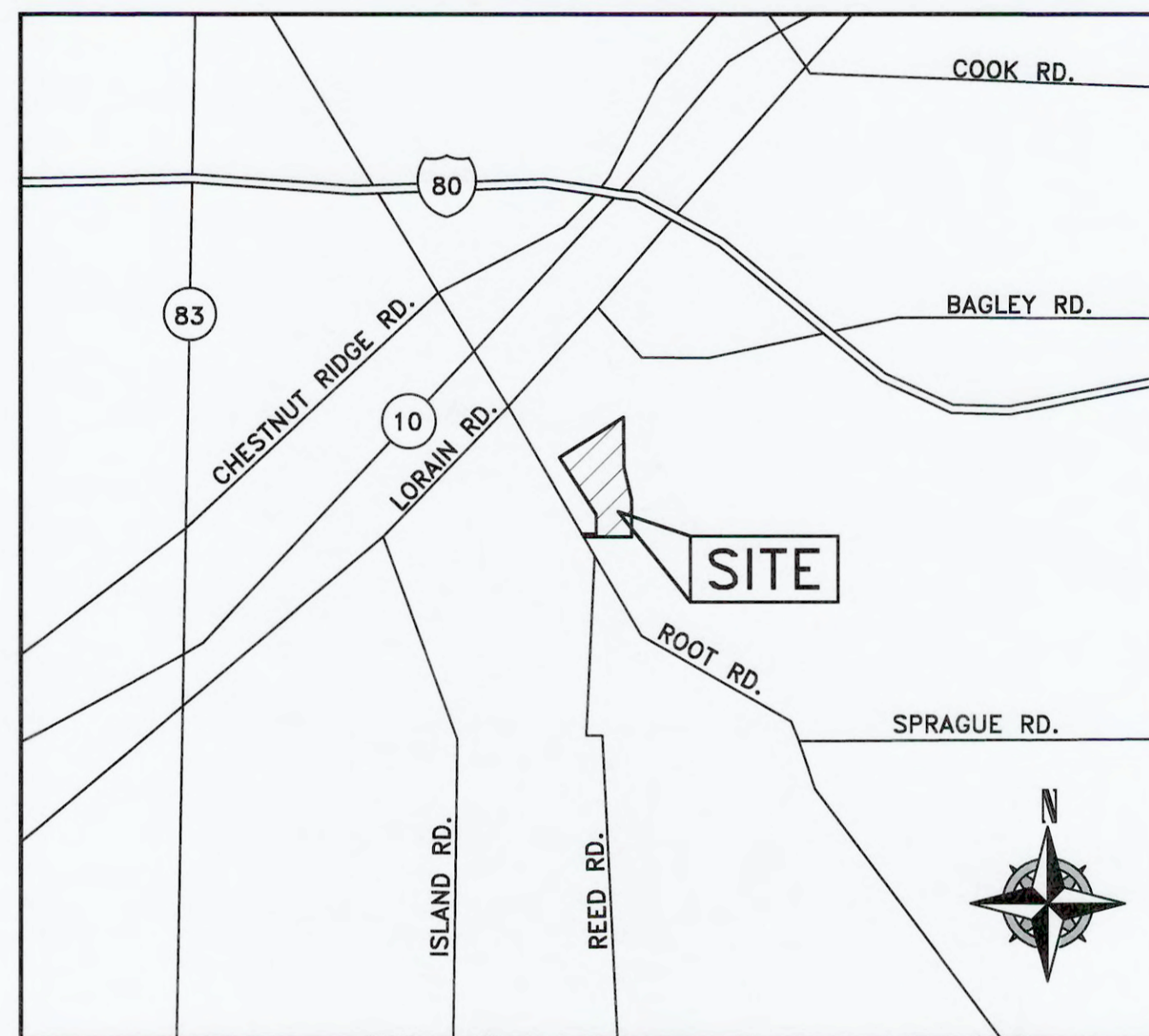
---	CENTERLINE
---	EX. PAVEMENT
---	DITCH/CREEK/SWALE
---	EX. SETBACK LINES
---	EX. MINOR CONTOUR
---	EX. MAJOR CONTOUR
STH	EX. STORM
SAN	EX. SANITARY
V	EX. WATER
G	EX. GAS
DHW	EX. OVERHEAD UTILITIES
T	EX. TELEPHONE
E	EX. U.G. ELECTRIC
---	PROP. MINOR CONTOUR
---	PROP. MAJOR CONTOUR
STH	PROP. STORM
SAN	PROP. SANITARY
V	PROP. WATER
G	PROP. GAS
DHW	PROP. OVERHEAD UTILITIES
T	PROP. TELEPHONE
E	PROP. U.G. ELECTRIC
W/L	CONSTRUCTION LIMITS
SF	SILT FENCE

LEGEND OF SYMBOLS

	CLEAN OUT
	DOWNSPOUT
	YARD DRAIN
	STORM MANHOLE
	SANITARY MANHOLE
	CATCH BASIN
	HYDRANT
	WATER VALVE
	GAS REG/METER
	WATER REG/METER
	ELECTRICAL METER
	GAS VALVE
	UTILITY POLE
	GUY ANCHOR
	BOLLARD
	SIGN
	SOILS TYPE
	IRON PIN/PIPE FOUND
	AS INDICATED
	IRON PIN/PIPE FOUND IN MONUMENT BOX AS INDICATED
	INLET PROTECTION
	DEMOLITION AREA

LIST OF UTILITY COMPANIES IN THE AREA

COMPANY NAME	DESCRIPTION	TELEPHONE	ADDRESS
WIDE OPEN WEST (WOW)	CABLE/INTERNET	(866) 496-9669	105 BLAZE INDUSTRIAL PKWY, BEREA, OH 44017
COLUMBIA GAS OF OHIO	GAS	(800) 344-4077	3101 NORTH RIDGE RD, ELYRIA, OH 44035
SPECTRUM / TIME WARNER	CABLE/INTERNET	(866) 874-2389	576 TERNES AVE, ELYRIA, OH 44035
CENTURYLINK	CABLE/INTERNET	(440) 244-8400	203 W 9TH STREET, LORAIN, OHIO 44052
OHIO EDISON	ELECTRIC	(440) 326-3319	6326 LAKE AVENUE, ELYRIA, OHIO 44035
CITY OF NORTH RIDGEVILLE	WATER, SEWER	(440) 353-0841	7307 AVON BELDEN ROAD, NORTH RIDGEVILLE, OHIO 44039



VICINITY MAP
-NOT TO SCALE-

SITE ADDRESS: 8949 ROOT ROAD, NORTH RIDGEVILLE, OHIO 44039
SCM COORDINATES: N: 618593.49 E: 2108153.40 (NAD83 OHIO NORTH ZONE)
LAT: 41°21'48.89" N LONG: 81°59'28.58" W (WGS 84)

DESIGN ENGINEER:

Richard A. Fredrickson
RICHARD A. FREDRICKSON, P.E., P.S.
OHIO ENGINEER - 61668
OHIO SURVEYOR - 8285
DATE: 02-19-2024

CIVIL SITE DESIGN SHEET LEGEND

TITLE SHEET.....	C0.0
EXISTING CONDITIONS & DEMOLITION PLAN.....	C1.0
EXISTING DRAINAGE MAP.....	C1.1
SITE PLAN.....	C2.0
PROPOSED DRAINAGE MAP.....	C2.1
OVERALL UTILITY PLAN.....	C3.0
OVERALL GRADING PLAN.....	C4.0
ENLARGED GRADING PLAN.....	C4.1 - C4.2
CONSTRUCTION STORM WATER POLLUTION PREVENTION PLAN.....	C5.0
CONSTRUCTION STORM WATER POLLUTION PREVENTION BASIN DETAILS.....	C5.1
CONSTRUCTION STORM WATER POLLUTION PREVENTION NOTES & DETAILS.....	C5.2 - C5.6
PERMANENT COMPREHENSIVE STORM WATER MANAGEMENT PLAN.....	C6.0
PERMANENT COMPREHENSIVE STORM WATER MANAGEMENT BASIN DETAILS.....	C6.1
MISCELLANEOUS DETAILS.....	C7.0 - C7.4

SCOPE OF WORK

THE IMPROVEMENT PLANS ARE FOR THE SITE PARKING AND DRIVE IMPROVEMENTS FROM GRAVEL TO ASPHALT. THE SITE IS CURRENTLY SERVICED BY A STORM SEWER SYSTEM THAT CONVEYS THE STORM WATER OFFSITE TO A NEIGHBORING DEVELOPMENT. A NEW STORM WATER MANAGEMENT SYSTEM WILL BE INSTALLED TO PROVIDE STANDALONE MANAGEMENT AND SEDIMENT CONTROL FOR THE PARK DEVELOPMENT.

CONTRACTORS SWP3 ACKNOWLEDGEMENT:

PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A STORM WATER POLLUTION PREVENTION PLAN (SWP3) SIGNED BY THE CONTRACTOR AND ALL OF HIS SUBCONTRACTORS.

SEE STORM WATER POLLUTION PREVENTION PLAN DETAIL SHEET C5.2 FOR SIGNATURE STATEMENT AND SIGNATURE LIST.

NOI STORM WATER GENERAL PERMIT NUMBER:

CITY OF NORTH RIDGEVILLE STANDARD DETAILS

CONTRACTOR SHALL ABIDE BY ALL JURISDICTIONAL DETAILS AND SPECIFICATIONS. IN THE CASE WHERE DETAILS CONFLICT THE JURISDICTIONAL DETAIL AND SPECIFICATIONS SHALL BE USED. A LIST OF APPLICABLE STANDARD CITY OF NORTH RIDGEVILLE DETAILS IS PROVIDED HEREON. ADDITIONAL DETAILS AND SPECIFICATIONS MAY BE REQUIRED AND SHALL BE OBTAINED BY THE CONTRACTOR FROM THE CITY OF NORTH RIDGEVILLE ENGINEERING DEPARTMENT.

BASIS OF BEARINGS

BASIS OF BEARING IS ASSUMED AND IS USED TO DESCRIBE ANGLES ONLY. A PORTION OF THE WESTERLY LINE OF RIDGEFIELD HOMES INC. SUBDIVISION No. 2 AS RECORDED IN PLAT VOLUME 57, PAGE 70 OF THE LORAIN COUNTY PLAT RECORDS AND IS ASSUMED TO BE NORTH 01° 38' 05" EAST AS SHOWN HEREON.

THIS SURVEY IS BASED UPON A FIELD SURVEY PERFORMED BY RAFTER A., LTD IN APRIL OF 2023.

UNDERGROUND UTILITIES NOTE:

THE SIZE & LOCATION, BOTH HORIZONTAL AND VERTICAL, OF THE UNDERGROUND UTILITIES SHOWN HEREON, HAVE BEEN OBTAINED BY A SEARCH OF AVAILABLE RECORDS. VERIFICATION BY FIELD OBSERVATION HAS BEEN CONDUCTED WHERE PRACTICAL. HOWEVER, RAFTER A., LTD DOES NOT GUARANTEE THE COMPLETENESS NOR ACCURACY THEREOF.

UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)
A228701141-00A; A228701159-00A;
A228701221-00A; A228701207-00A

REV.	BY	DATE	DESCRIPTION
1	BDA	11-10-2023	ISSUE FOR CLIENT REVIEW
2	BDA	02-16-2024	ISSUE FOR CITY REVIEW
3	BDA	02-19-2024	ISSUE FOR CITY REVIEW

RAFTER A., LTD
LAND SURVEYING • ENGINEERING • TESTING
42663 Oberlin-Elyria Road, Oberlin, Ohio 44074
440-707-4014 • www.raftera.com • info@raftera.com

CITY OF NORTH RIDGEVILLE
PARKS & RECREATION DEPARTMENT
7827 AVON BELDEN ROAD
NORTH RIDGEVILLE, OHIO 44039

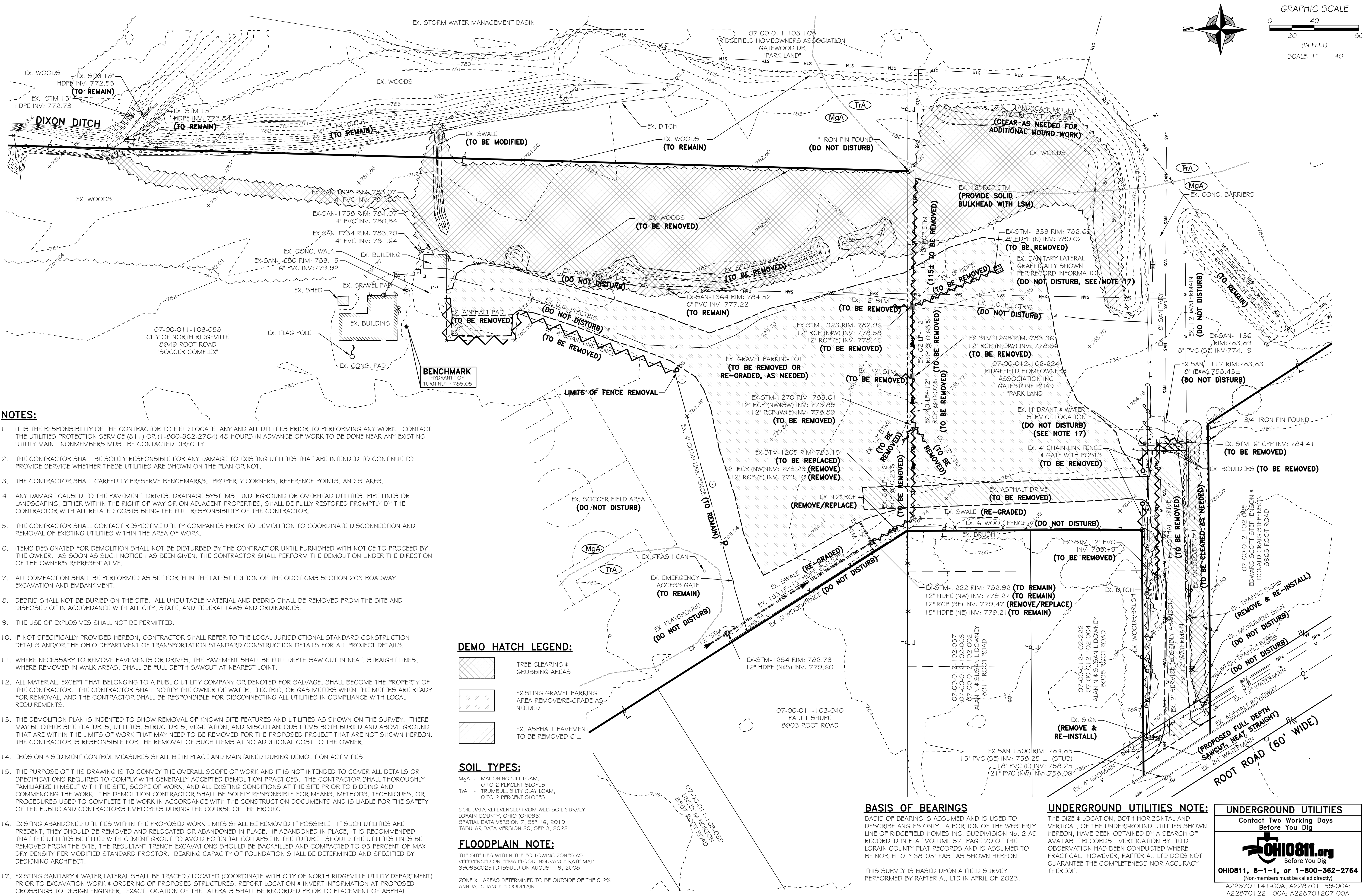
CITY OF NORTH RIDGEVILLE
PARKS DEPARTMENT
ROOT ROAD PARK PAVEMENT
& SITE IMPROVEMENTS

TITLE SHEET

8949 ROOT ROAD, NORTH RIDGEVILLE, OHIO 44039

DRAWN BY: BDA
CHECKED BY: RAF
RAF JOB No: 3128-23

SHEET: C0.0



- NOTES:**
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD LOCATE ANY AND ALL UTILITIES PRIOR TO PERFORMING ANY WORK. CONTACT THE UTILITIES PROTECTION SERVICE (811) OR (1-800-362-2764) 48 HOURS IN ADVANCE OF WORK TO BE DONE NEAR ANY EXISTING UTILITY MAIN. NONMEMBERS MUST BE CONTACTED DIRECTLY.
 - THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES THAT ARE INTENDED TO CONTINUE TO PROVIDE SERVICE WHETHER THESE UTILITIES ARE SHOWN ON THE PLAN OR NOT.
 - THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCHMARKS, PROPERTY CORNERS, REFERENCE POINTS, AND STAKES.
 - ANY DAMAGE CAUSED TO THE PAVEMENT, DRIVES, DRAINAGE SYSTEMS, UNDERGROUND OR OVERHEAD UTILITIES, PIPE LINES OR LANDSCAPING, EITHER WITHIN THE RIGHT OF WAY OR ON ADJACENT PROPERTIES, SHALL BE FULLY RESTORED PROMPTLY BY THE CONTRACTOR WITH ALL RELATED COSTS BEING THE FULL RESPONSIBILITY OF THE CONTRACTOR.
 - THE CONTRACTOR SHALL CONTACT RESPECTIVE UTILITY COMPANIES PRIOR TO DEMOLITION TO COORDINATE DISCONNECTION AND REMOVAL OF EXISTING UTILITIES WITHIN THE AREA OF WORK.
 - ITEMS DESIGNATED FOR DEMOLITION SHALL NOT BE DISTURBED BY THE CONTRACTOR UNTIL FURNISHED WITH NOTICE TO PROCEED BY THE OWNER. AS SOON AS SUCH NOTICE HAS BEEN GIVEN, THE CONTRACTOR SHALL PERFORM THE DEMOLITION UNDER THE DIRECTION OF THE OWNER'S REPRESENTATIVE.
 - ALL COMPACTION SHALL BE PERFORMED AS SET FORTH IN THE LATEST EDITION OF THE ODOT CMS SECTION 203 ROADWAY EXCAVATION AND EMBANKMENT.
 - DEBRIS SHALL NOT BE BURIED ON THE SITE. ALL UNSUITABLE MATERIAL AND DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH ALL CITY, STATE, AND FEDERAL LAWS AND ORDINANCES.
 - THE USE OF EXPLOSIVES SHALL NOT BE PERMITTED.
 - IF NOT SPECIFICALLY PROVIDED HEREON, CONTRACTOR SHALL REFER TO THE LOCAL JURISDICTIONAL STANDARD CONSTRUCTION DETAILS AND/OR THE OHIO DEPARTMENT OF TRANSPORTATION STANDARD CONSTRUCTION DETAILS FOR ALL PROJECT DETAILS.
 - WHERE NECESSARY TO REMOVE PAVEMENTS OR DRIVES, THE PAVEMENT SHALL BE FULL DEPTH SAW CUT IN NEAT, STRAIGHT LINES, WHERE REMOVED IN WALK AREAS, SHALL BE FULL DEPTH SAW CUT AT NEAREST JOINT.
 - ALL MATERIAL, EXCEPT THAT BELONGING TO A PUBLIC UTILITY COMPANY OR DENOTED FOR SALVAGE, SHALL BECOME THE PROPERTY OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE OWNER OF WATER, ELECTRIC, OR GAS METERS WHEN THE METERS ARE READY FOR REMOVAL, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISCONNECTING ALL UTILITIES IN COMPLIANCE WITH LOCAL REQUIREMENTS.
 - THE DEMOLITION PLAN IS INTENDED TO SHOW REMOVAL OF KNOWN SITE FEATURES AND UTILITIES AS SHOWN ON THE SURVEY. THERE MAY BE OTHER SITE FEATURES, UTILITIES, STRUCTURES, VEGETATION, AND MISCELLANEOUS ITEMS BOTH BURIED AND ABOVE GROUND THAT ARE WITHIN THE LIMITS OF WORK THAT MAY NEED TO BE REMOVED FOR THE PROPOSED PROJECT THAT ARE NOT SHOWN HEREON. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF SUCH ITEMS AT NO ADDITIONAL COST TO THE OWNER.
 - EROSION & SEDIMENT CONTROL MEASURES SHALL BE IN PLACE AND MAINTAINED DURING DEMOLITION ACTIVITIES.
 - THE PURPOSE OF THIS DRAWING IS TO CONVEY THE OVERALL SCOPE OF WORK AND IT IS NOT INTENDED TO COVER ALL DETAILS OR SPECIFICATIONS REQUIRED TO COMPLY WITH GENERALLY ACCEPTED DEMOLITION PRACTICES. THE CONTRACTOR SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THE SITE, SCOPE OF WORK, AND ALL EXISTING CONDITIONS AT THE SITE PRIOR TO BIDDING AND COMMENCING THE WORK. THE DEMOLITION CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, OR PROCEDURES USED TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND IS LIABLE FOR THE SAFETY OF THE PUBLIC AND CONTRACTOR'S EMPLOYEES DURING THE COURSE OF THE PROJECT.
 - EXISTING ABANDONED UTILITIES WITHIN THE PROPOSED WORK LIMITS SHALL BE REMOVED IF POSSIBLE. IF SUCH UTILITIES ARE PRESENT, THEY SHOULD BE REMOVED AND RELOCATED OR ABANDONED IN PLACE. IF ABANDONED IN PLACE, IT IS RECOMMENDED THAT THE UTILITIES BE FILLED WITH CEMENT GROUT TO AVOID POTENTIAL COLLAPSE IN THE FUTURE. SHOULD THE UTILITIES LINES BE REMOVED FROM THE SITE, THE RESULTANT TRENCH EXCAVATIONS SHOULD BE BACKFILLED AND COMPACTED TO 95 PERCENT OF MAX DRY DENSITY PER MODIFIED STANDARD PROCTOR. BEARING CAPACITY OF FOUNDATION SHALL BE DETERMINED AND SPECIFIED BY DESIGNING ARCHITECT.
 - EXISTING SANITARY & WATER LATERAL SHALL BE TRACED / LOCATED (COORDINATE WITH CITY OF NORTH RIDGEVILLE UTILITY DEPARTMENT) PRIOR TO EXCAVATION WORK & ORDERING OF PROPOSED STRUCTURES. REPORT LOCATION & INVERT INFORMATION AT PROPOSED CROSSINGS TO DESIGN ENGINEER. EXACT LOCATION OF THE LATERALS SHALL BE RECORDED PRIOR TO PLACEMENT OF ASPHALT.

DEMO HATCH LEGEND:



SOIL TYPES:

MgA - MAHONING SILT LOAM, 0 TO 2 PERCENT SLOPES
 TrA - TRUMBULL SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES

SOIL DATA REFERENCED FROM WEB SOIL SURVEY
 LORAIN COUNTY, OHIO (010923)
 SPATIAL DATA VERSION 7, SEP 16, 2019
 TABULAR DATA VERSION 20, SEP 9, 2022

FLOODPLAIN NOTE:

THE SITE LIES WITHIN THE FOLLOWING ZONES AS REFERENCED ON FEMA FLOOD INSURANCE RATE MAP 39093C0251D ISSUED ON AUGUST 19, 2008

ZONE X - AREAS DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN

BASIS OF BEARINGS

BASIS OF BEARING IS ASSUMED AND IS USED TO DESCRIBE ANGLES ONLY. A PORTION OF THE WESTERLY LINE OF RIDGEFIELD HOMES INC. SUBDIVISION No. 2 AS RECORDED IN PLAT VOLUME 57, PAGE 70 OF THE LORAIN COUNTY PLAT RECORDS AND IS ASSUMED TO BE NORTH 01° 38' 05" EAST AS SHOWN HEREON.

THIS SURVEY IS BASED UPON A FIELD SURVEY PERFORMED BY RAFTER A., LTD IN APRIL OF 2023.

UNDERGROUND UTILITIES NOTE:

THE SIZE & LOCATION, BOTH HORIZONTAL AND VERTICAL, OF THE UNDERGROUND UTILITIES SHOWN HEREON, HAVE BEEN OBTAINED BY A SEARCH OF AVAILABLE RECORDS. VERIFICATION BY FIELD OBSERVATION HAS BEEN CONDUCTED WHERE PRACTICAL. HOWEVER, RAFTER A., LTD DOES NOT GUARANTEE THE COMPLETENESS NOR ACCURACY THEREOF.

UNDERGROUND UTILITIES
 Contact Two Working Days Before You Dig

 Before You Dig
 OHIO811, 8-1-1, or 1-800-362-2764
 (Non-members must be called directly)
 A228701141-00A; A228701153-00A;
 A228701221-00A; A228701207-00A

REV.	BY	DATE	DESCRIPTION
1	BDA	11-10-2023	ISSUE FOR CLIENT REVIEW
2	BDA	02-16-2024	ISSUE FOR CITY REVIEW
3	BDA	02-19-2024	ISSUE FOR CITY REVIEW

RAFTER A., LTD
 LAND SURVEYING • ENGINEERING • TESTING
 42653 Oberlin-Elyria Road, Oberlin, Ohio 44074
 440-707-4014 • www.raftera.com • info@raftera.com

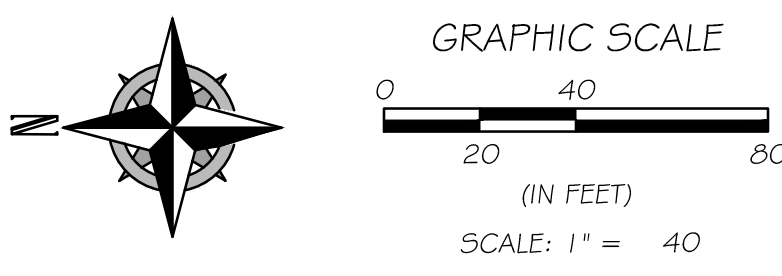
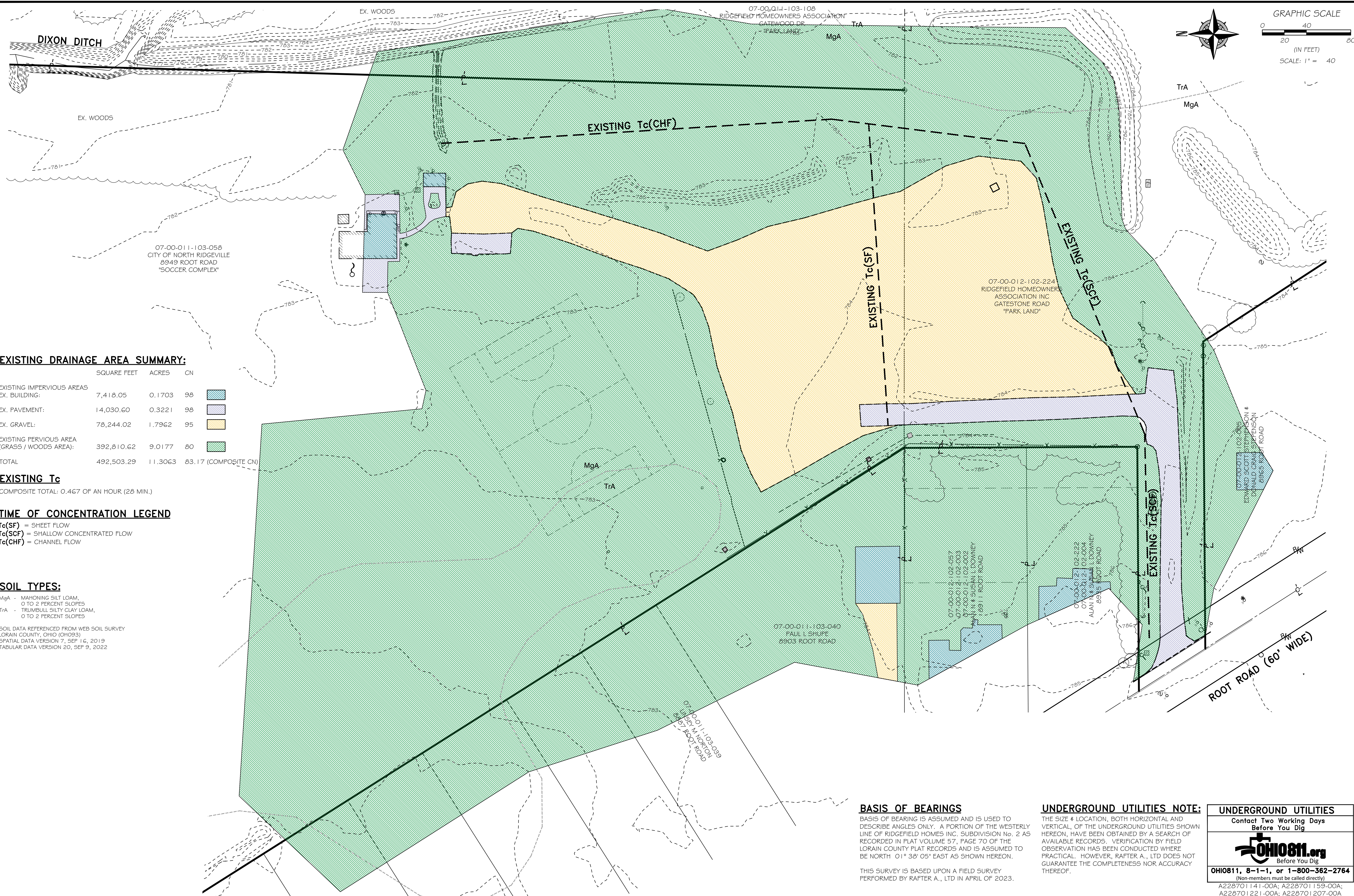
CITY OF NORTH RIDGEVILLE
 PARKS & RECREATION DEPARTMENT
 7327 AVON BELDEN ROAD
 NORTH RIDGEVILLE, OHIO 44089

CITY OF NORTH RIDGEVILLE
 PARKS DEPARTMENT
 ROOT ROAD PARK PAVEMENT
 & SITE IMPROVEMENTS
 OVERALL EXISTING
 CONDITIONS PLAN

8949 ROOT ROAD, NORTH RIDGEVILLE, OHIO 44080

DRAWN BY: BDA
 CHECKED BY: RAF
 RAF JOB No: 3128-23

SHEET: **C1.0**



EXISTING DRAINAGE AREA SUMMARY:

	SQUARE FEET	ACRES	CN
EXISTING IMPERVIOUS AREAS			
EX. BUILDING:	7,418.05	0.1703	98
EX. PAVEMENT:	14,030.60	0.3221	98
EX. GRAVEL:	78,244.02	1.7962	95
EXISTING PERVIOUS AREA (GRASS / WOODS AREA):	392,810.62	9.0177	80
TOTAL	492,503.29	11.3063	83.17 (COMPOSITE CN)

EXISTING Tc
COMPOSITE TOTAL: 0.467 OF AN HOUR (28 MIN.)

TIME OF CONCENTRATION LEGEND

Tc(SF) = SHEET FLOW
Tc(SCF) = SHALLOW CONCENTRATED FLOW
Tc(CHF) = CHANNEL FLOW

SOIL TYPES:

MgA - MAHONING SILT LOAM,
0 TO 2 PERCENT SLOPES
TrA - TRUMBULL SILTY CLAY LOAM,
0 TO 2 PERCENT SLOPES

SOIL DATA REFERENCED FROM WEB SOIL SURVEY
LORAIN COUNTY, OHIO (OH093)
SPATIAL DATA VERSION 7, SEP 16, 2019
TABULAR DATA VERSION 20, SEP 9, 2022

BASIS OF BEARINGS
BASIS OF BEARING IS ASSUMED AND IS USED TO DESCRIBE ANGLES ONLY. A PORTION OF THE WESTERLY LINE OF RIDGEFIELD HOMES INC. SUBDIVISION No. 2 AS RECORDED IN PLAT VOLUME 57, PAGE 70 OF THE LORAIN COUNTY PLAT RECORDS AND IS ASSUMED TO BE NORTH 01° 38' 05" EAST AS SHOWN HEREON.

THIS SURVEY IS BASED UPON A FIELD SURVEY PERFORMED BY RAFTER A., LTD IN APRIL OF 2023.

UNDERGROUND UTILITIES NOTE:
THE SIZE & LOCATION, BOTH HORIZONTAL AND VERTICAL, OF THE UNDERGROUND UTILITIES SHOWN HEREON, HAVE BEEN OBTAINED BY A SEARCH OF AVAILABLE RECORDS. VERIFICATION BY FIELD OBSERVATION HAS BEEN CONDUCTED WHERE PRACTICAL. HOWEVER, RAFTER A., LTD DOES NOT GUARANTEE THE COMPLETENESS NOR ACCURACY THEREOF.

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)
A228701141-00A; A228701159-00A;
A228701221-00A; A228701207-00A

REV.	BY	DATE	DESCRIPTION
1	BDA	11-10-2023	ISSUE FOR CLIENT REVIEW
2	BDA	02-16-2024	ISSUE FOR CITY REVIEW
3	BDA	02-19-2024	ISSUE FOR CITY REVIEW

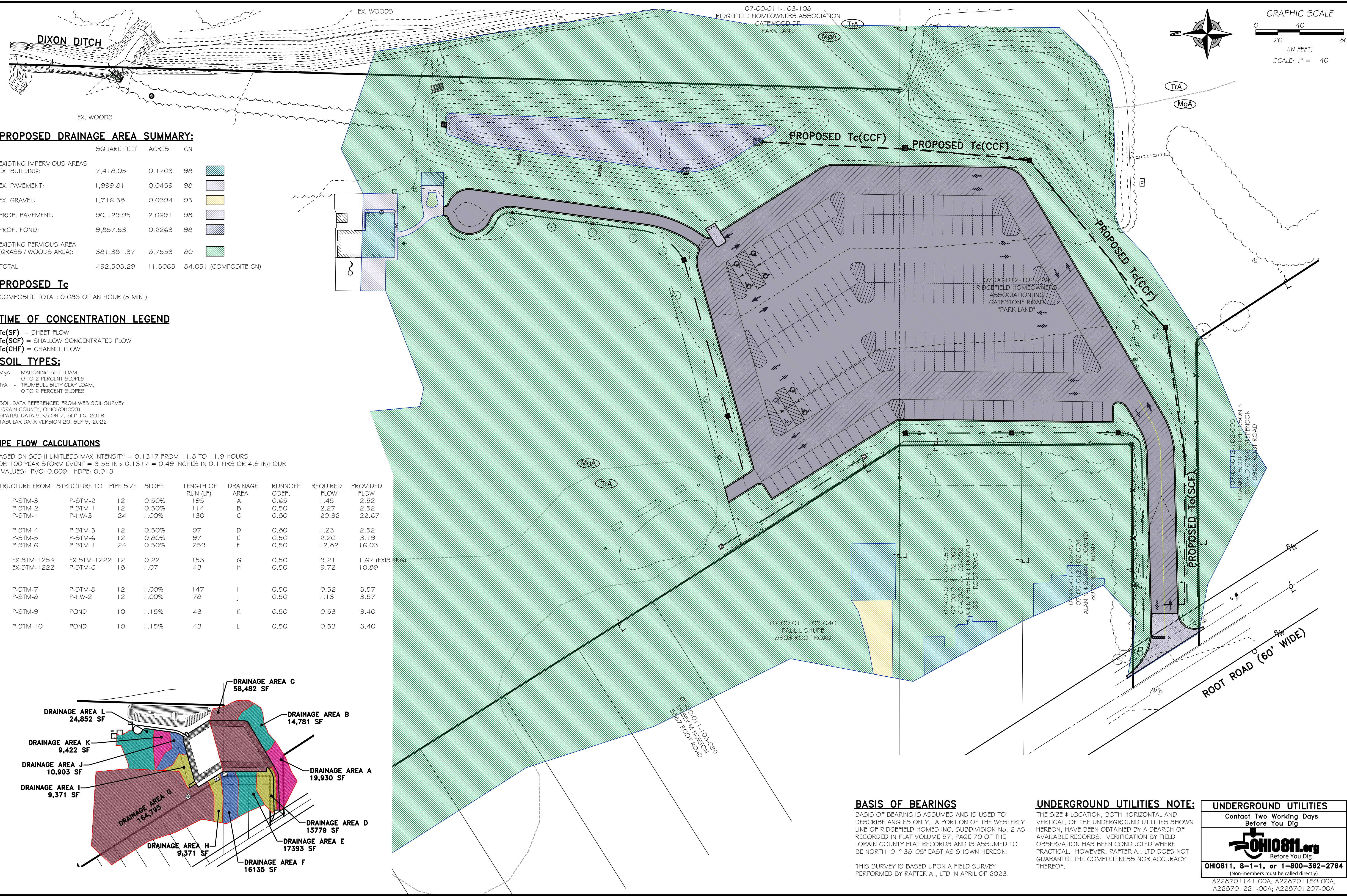
RAFTER A., LTD
LAND SURVEYING • ENGINEERING • TESTING
42663 Oberlin-Elyria Road, Oberlin, Ohio 44074
440-707-4014 • www.raftera.com • info@raftera.com

CITY OF NORTH RIDGEVILLE
PARKS & RECREATION DEPARTMENT
7327 AVON BELDEN ROAD
NORTH RIDGEVILLE, OHIO 44089

CITY OF NORTH RIDGEVILLE
PARKS DEPARTMENT
ROOT ROAD PARK PAVEMENT
& SITE IMPROVEMENTS
EXISTING DRAINAGE AREA
8949 ROOT ROAD, NORTH RIDGEVILLE, OHIO 44089

DRAWN BY: BDA
CHECKED BY: RAF
RAF JOB No: 3128-23

SHEET: **C1.1**



PROPOSED DRAINAGE AREA SUMMARY:

	SQUARE FEET	ACRES	CN
EXISTING IMPERVIOUS AREAS			
EX. BUILDING:	7,418.05	0.1703	98
EX. PAVEMENT:	1,999.81	0.0459	98
EX. GRAVEL:	1,716.58	0.0394	95
PROP. PAVEMENT:	90,129.95	2.0691	98
PROP. POND:	9,857.53	0.2263	98
EXISTING PERVIOUS AREA (GRASS / WOODS AREA):	381,381.37	8.7553	80
TOTAL	492,503.29	11.3063	84.051 (COMPOSITE CN)

PROPOSED Tc
COMPOSITE TOTAL: 0.083 OF AN HOUR (5 MIN.)

TIME OF CONCENTRATION LEGEND

Tc(SF) = SHEET FLOW
Tc(SCF) = SHALLOW CONCENTRATED FLOW
Tc(CHF) = CHANNEL FLOW

SOIL TYPES:

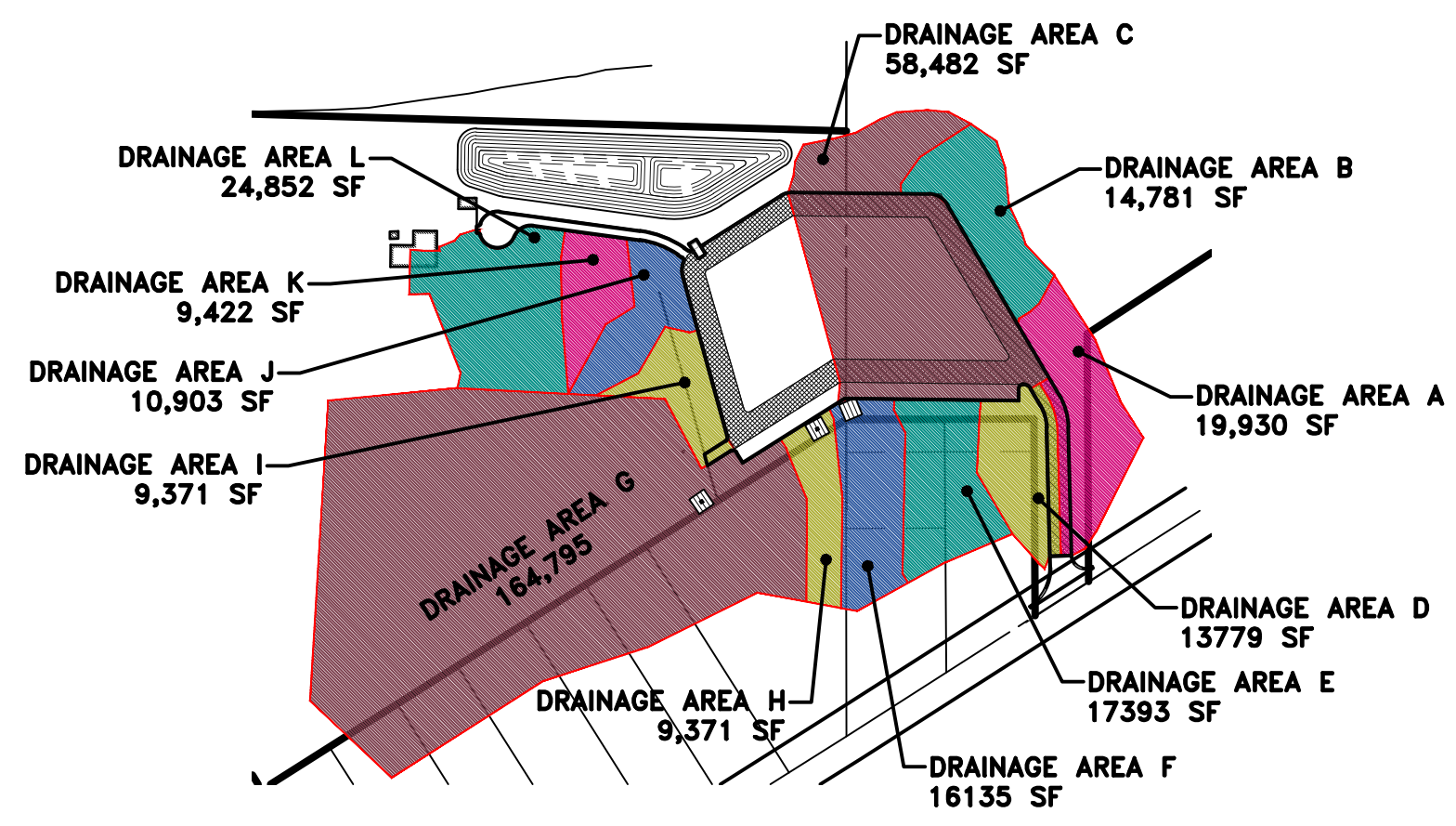
MgA - MAHONING SILT LOAM, 0 TO 2 PERCENT SLOPES
TrA - TRUMBULL SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES

SOIL DATA REFERENCED FROM WEB SOIL SURVEY
LORAIN COUNTY, OHIO (OH093)
SPATIAL DATA VERSION 7, SEP 16, 2019
TABULAR DATA VERSION 20, SEP 9, 2022

PIPE FLOW CALCULATIONS

BASED ON SCS II UNITLESS MAX INTENSITY = 0.1317 FROM 11.8 TO 11.9 HOURS
FOR 100 YEAR STORM EVENT = 3.55 IN x 0.1317 = 0.49 INCHES IN 0.1 HRS OR 4.9 IN/HOUR
N VALUES: FVC: 0.009 HDPE: 0.013

STRUCTURE FROM	STRUCTURE TO	PIPE SIZE	SLOPE	LENGTH OF RUN (LF)	DRAINAGE AREA	RUNOFF COEF.	REQUIRED FLOW	PROVIDED FLOW
P-STM-3	P-STM-2	12	0.50%	195	A	0.65	1.45	2.52
P-STM-2	P-STM-1	12	0.50%	114	B	0.50	2.27	2.52
P-STM-1	P-HW-3	24	1.00%	130	C	0.80	20.32	22.67
P-STM-4	P-STM-5	12	0.50%	97	D	0.80	1.23	2.52
P-STM-5	P-STM-6	12	0.80%	97	E	0.50	2.20	3.19
P-STM-6	P-STM-1	24	0.50%	259	F	0.50	12.82	16.03
EX-STM-1254	EX-STM-1222	12	0.22	153	G	0.50	9.21	1.67 (EXISTING)
EX-STM-1222	P-STM-6	18	1.07	43	H	0.50	9.72	10.89
P-STM-7	P-STM-8	12	1.00%	147	I	0.50	0.52	3.57
P-STM-8	P-HW-2	12	1.00%	78	J	0.50	1.13	3.57
P-STM-9	POND	10	1.15%	43	K	0.50	0.53	3.40
P-STM-10	POND	10	1.15%	43	L	0.50	0.53	3.40



BASIS OF BEARINGS

BASIS OF BEARING IS ASSUMED AND IS USED TO DESCRIBE ANGLES ONLY. A PORTION OF THE WESTERLY LINE OF RIDGEFIELD HOMES INC. SUBDIVISION No. 2 AS RECORDED IN PLAT VOLUME 57, PAGE 70 OF THE LORAIN COUNTY PLAT RECORDS AND IS ASSUMED TO BE NORTH 01° 38' 05" EAST AS SHOWN HEREON.

THIS SURVEY IS BASED UPON A FIELD SURVEY PERFORMED BY RAFTER A., LTD IN APRIL OF 2023.

UNDERGROUND UTILITIES NOTE:

THE SIZE & LOCATION, BOTH HORIZONTAL AND VERTICAL, OF THE UNDERGROUND UTILITIES SHOWN HEREON, HAVE BEEN OBTAINED BY A SEARCH OF AVAILABLE RECORDS. VERIFICATION BY FIELD OBSERVATION HAS BEEN CONDUCTED WHERE PRACTICAL. HOWEVER, RAFTER A., LTD DOES NOT GUARANTEE THE COMPLETENESS NOR ACCURACY THEREOF.

UNDERGROUND UTILITIES

Contact Two Working Days Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)
A228701141-00A; A228701159-00A;
A228701221-00A; A228701207-00A

REV.	BY	DATE	DESCRIPTION
1	BDA	11-10-2023	ISSUE FOR CLIENT REVIEW
2	BDA	02-16-2024	ISSUE FOR CITY REVIEW
3	BDA	02-19-2024	ISSUE FOR CITY REVIEW

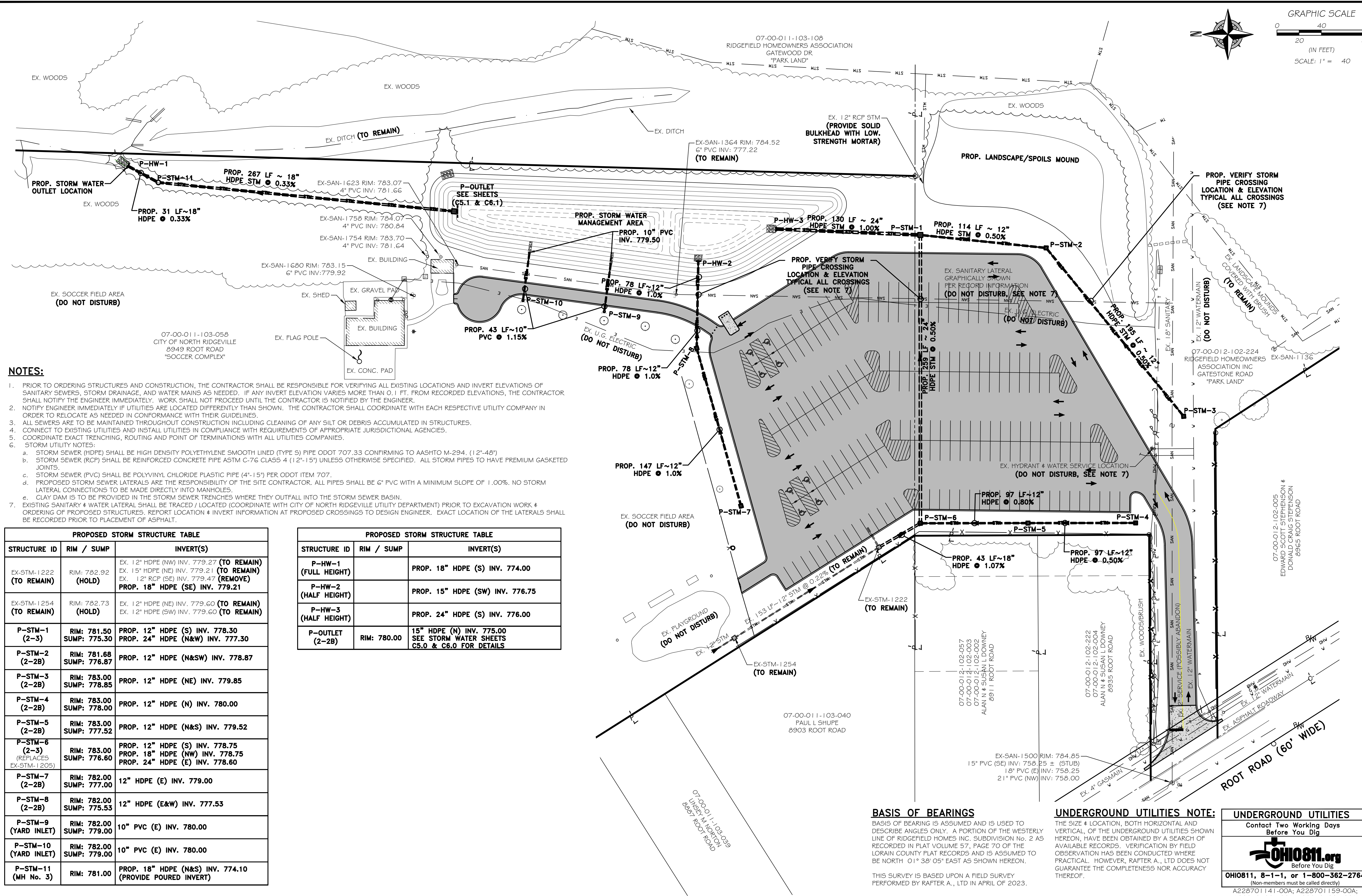
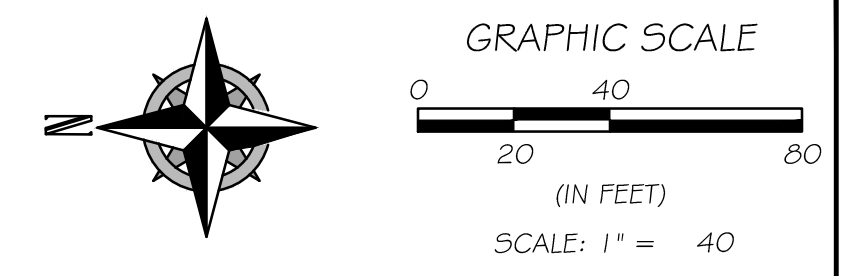
RAFTER A., LTD
LAND SURVEYING • ENGINEERING • TESTING
42653 Oberlin-Elyria Road, Oberlin, Ohio 44074
440-707-4014 • www.raftera.com • info@raftera.com

CITY OF NORTH RIDGEVILLE
PARKS & RECREATION DEPARTMENT
7327 AVON BELDEN ROAD
NORTH RIDGEVILLE, OHIO 44099

CITY OF NORTH RIDGEVILLE
PARKS DEPARTMENT
ROOT ROAD PARK PAVEMENT
& SITE IMPROVEMENTS
PROPOSED DRAINAGE AREA
8949 ROOT ROAD, NORTH RIDGEVILLE, OHIO 44090

DRAWN BY: BDA
CHECKED BY: RAF
RAF JOB No: 3128-23

SHEET: **C2.1**



NOTES:

- PRIOR TO ORDERING STRUCTURES AND CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING LOCATIONS AND INVERT ELEVATIONS OF SANITARY SEWERS, STORM DRAINAGE, AND WATER MAINS AS NEEDED. IF ANY INVERT ELEVATION VARIES MORE THAN 0.1 FT. FROM RECORDED ELEVATIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY. WORK SHALL NOT PROCEED UNTIL THE CONTRACTOR IS NOTIFIED BY THE ENGINEER.
- NOTIFY ENGINEER IMMEDIATELY IF UTILITIES ARE LOCATED DIFFERENTLY THAN SHOWN. THE CONTRACTOR SHALL COORDINATE WITH EACH RESPECTIVE UTILITY COMPANY IN ORDER TO RELOCATE AS NEEDED IN CONFORMANCE WITH THEIR GUIDELINES.
- ALL SEWERS ARE TO BE MAINTAINED THROUGHOUT CONSTRUCTION INCLUDING CLEANING OF ANY SILT OR DEBRIS ACCUMULATED IN STRUCTURES.
- CONNECT TO EXISTING UTILITIES AND INSTALL UTILITIES IN COMPLIANCE WITH REQUIREMENTS OF APPROPRIATE JURISDICTIONAL AGENCIES.
- COORDINATE EXACT TRENCHING, ROUTING AND POINT OF TERMINATIONS WITH ALL UTILITIES COMPANIES.
- STORM UTILITY NOTES:
 - STORM SEWER (HDPE) SHALL BE HIGH DENSITY POLYETHYLENE SMOOTH LINED (TYPE S) PIPE ODOT 707.33 CONFIRMING TO AASHTO M-294, (12"-48")
 - STORM SEWER (RCP) SHALL BE REINFORCED CONCRETE PIPE ASTM C-76 CLASS 4 (12"-15") UNLESS OTHERWISE SPECIFIED. ALL STORM PIPES TO HAVE PREMIUM GASKETED JOINTS.
 - STORM SEWER (PVC) SHALL BE POLYVINYL CHLORIDE PLASTIC PIPE (4"-15") PER ODOT ITEM 707.
 - PROPOSED STORM SEWER LATERALS ARE THE RESPONSIBILITY OF THE SITE CONTRACTOR. ALL PIPES SHALL BE 6" PVC WITH A MINIMUM SLOPE OF 1.00%. NO STORM LATERAL CONNECTIONS TO BE MADE DIRECTLY INTO MANHOLES.
 - CLAY DAM IS TO BE PROVIDED IN THE STORM SEWER TRENCHES WHERE THEY OUTFALL INTO THE STORM SEWER BASIN.
- EXISTING SANITARY & WATER LATERAL SHALL BE TRACED / LOCATED (COORDINATE WITH CITY OF NORTH RIDGEVILLE UTILITY DEPARTMENT) PRIOR TO EXCAVATION WORK & ORDERING OF PROPOSED STRUCTURES. REPORT LOCATION & INVERT INFORMATION AT PROPOSED CROSSINGS TO DESIGN ENGINEER. EXACT LOCATION OF THE LATERALS SHALL BE RECORDED PRIOR TO PLACEMENT OF ASPHALT.

PROPOSED STORM STRUCTURE TABLE		
STRUCTURE ID	RIM / SUMP	INVERT(S)
EX-STM-1222 (TO REMAIN)	RIM: 782.92 (HOLD)	EX. 12" HDPE (NW) INV. 779.27 (TO REMAIN) EX. 15" HDPE (NE) INV. 779.21 (TO REMAIN) EX. 12" RCP (SE) INV. 779.47 (REMOVE) PROP. 18" HDPE (SE) INV. 779.21
EX-STM-1254 (TO REMAIN)	RIM: 782.73 (HOLD)	EX. 12" HDPE (NE) INV. 779.60 (TO REMAIN) EX. 12" HDPE (SW) INV. 779.60 (TO REMAIN)
P-STM-1 (2-3)	RIM: 781.50 SUMP: 775.30	PROP. 12" HDPE (S) INV. 778.30 PROP. 24" HDPE (N&W) INV. 777.30
P-STM-2 (2-2B)	RIM: 781.68 SUMP: 776.87	PROP. 12" HDPE (N&SW) INV. 778.87
P-STM-3 (2-2B)	RIM: 783.00 SUMP: 778.85	PROP. 12" HDPE (NE) INV. 779.85
P-STM-4 (2-2B)	RIM: 783.00 SUMP: 778.00	PROP. 12" HDPE (N) INV. 780.00
P-STM-5 (2-2B)	RIM: 783.00 SUMP: 777.52	PROP. 12" HDPE (N&S) INV. 779.52
P-STM-6 (2-3) (REPLACES EX-STM-1205)	RIM: 783.00 SUMP: 776.60	PROP. 12" HDPE (S) INV. 778.75 PROP. 18" HDPE (NW) INV. 778.75 PROP. 24" HDPE (E) INV. 778.60
P-STM-7 (2-2B)	RIM: 782.00 SUMP: 777.00	12" HDPE (E) INV. 779.00
P-STM-8 (2-2B)	RIM: 782.00 SUMP: 775.53	12" HDPE (E&W) INV. 777.53
P-STM-9 (YARD INLET)	RIM: 782.00 SUMP: 779.00	10" PVC (E) INV. 780.00
P-STM-10 (YARD INLET)	RIM: 782.00 SUMP: 779.00	10" PVC (E) INV. 780.00
P-STM-11 (MH No. 3)	RIM: 781.00	PROP. 18" HDPE (N&S) INV. 774.10 (PROVIDE POURED INVERT)

PROPOSED STORM STRUCTURE TABLE		
STRUCTURE ID	RIM / SUMP	INVERT(S)
P-HW-1 (FULL HEIGHT)		PROP. 18" HDPE (S) INV. 774.00
P-HW-2 (HALF HEIGHT)		PROP. 15" HDPE (SW) INV. 776.75
P-HW-3 (HALF HEIGHT)		PROP. 24" HDPE (S) INV. 776.00
P-OUTLET (2-2B)	RIM: 780.00	15" HDPE (N) INV. 775.00 SEE STORM WATER SHEETS C5.0 & C6.0 FOR DETAILS

BASIS OF BEARINGS

BASIS OF BEARING IS ASSUMED AND IS USED TO DESCRIBE ANGLES ONLY. A PORTION OF THE WESTERLY LINE OF RIDGEFIELD HOMES INC. SUBDIVISION No. 2 AS RECORDED IN PLAT VOLUME 57, PAGE 70 OF THE LORAIN COUNTY PLAT RECORDS AND IS ASSUMED TO BE NORTH 01° 38' 05" EAST AS SHOWN HEREON.

THIS SURVEY IS BASED UPON A FIELD SURVEY PERFORMED BY RAFTER A., LTD IN APRIL OF 2023.

UNDERGROUND UTILITIES NOTE:

THE SIZE & LOCATION, BOTH HORIZONTAL AND VERTICAL, OF THE UNDERGROUND UTILITIES SHOWN HEREON, HAVE BEEN OBTAINED BY A SEARCH OF AVAILABLE RECORDS. VERIFICATION BY FIELD OBSERVATION HAS BEEN CONDUCTED WHERE PRACTICAL. HOWEVER, RAFTER A., LTD DOES NOT GUARANTEE THE COMPLETENESS NOR ACCURACY THEREOF.

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)
A228701141-00A; A228701159-00A;
A228701221-00A; A228701207-00A

REV.	BY	DATE	DESCRIPTION
1	BDA	11-10-2023	ISSUE FOR CLIENT REVIEW
2	BDA	02-16-2024	ISSUE FOR CITY REVIEW
3	BDA	02-19-2024	ISSUE FOR CITY REVIEW

RAFTER A., LTD
LAND SURVEYING • ENGINEERING • TESTING
42653 Oberlin-Elyria Road, Oberlin, Ohio 44074
440-707-4014 • www.raftera.com • info@raftera.com

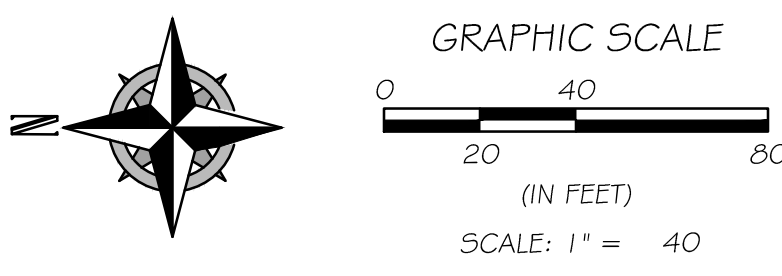
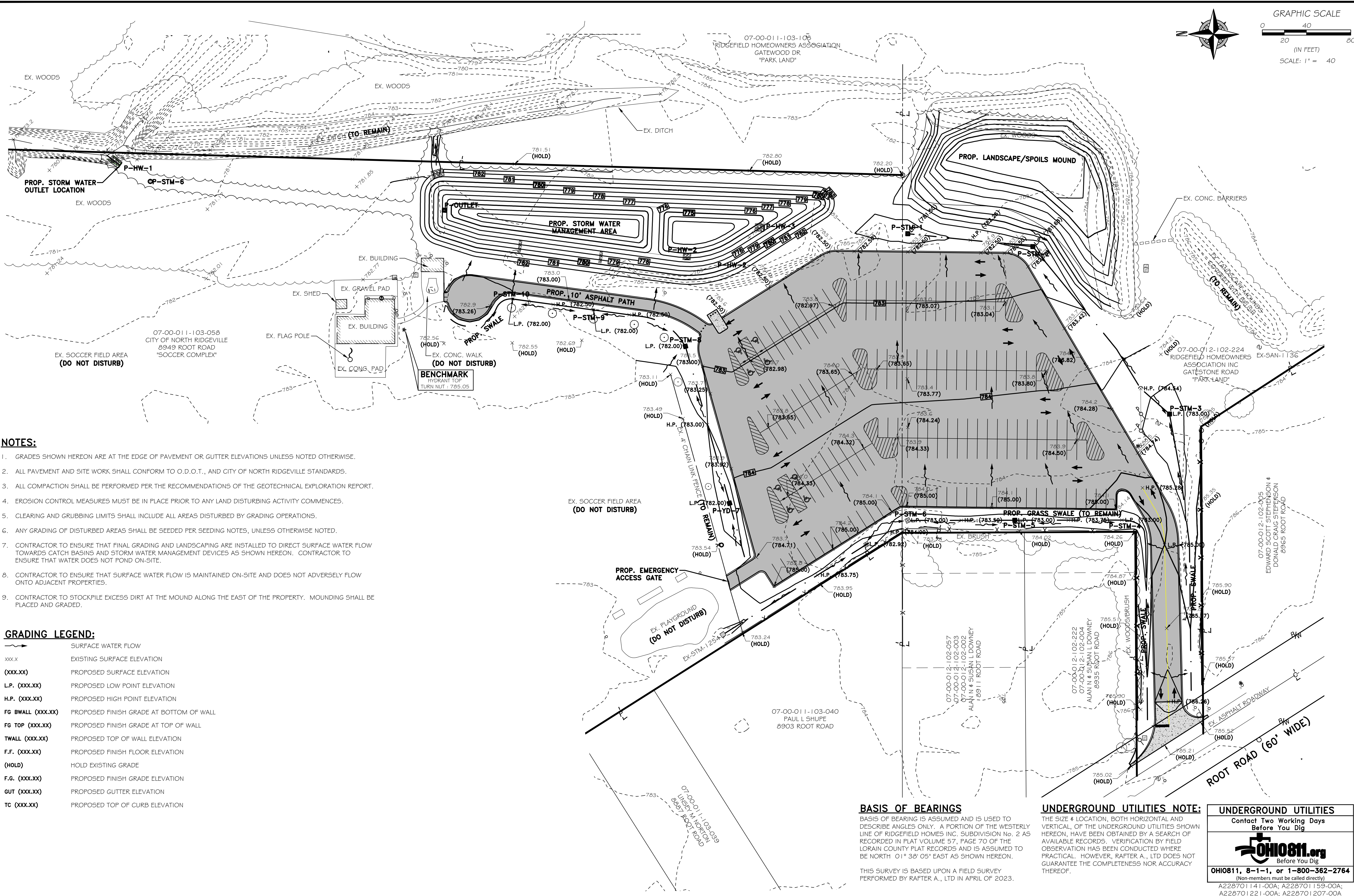
CITY OF NORTH RIDGEVILLE
PARKS & RECREATION DEPARTMENT
7327 AVON BELDEN ROAD
NORTH RIDGEVILLE, OHIO 44089

CITY OF NORTH RIDGEVILLE
PARKS DEPARTMENT
ROOT ROAD PARK PAVEMENT
& SITE IMPROVEMENTS
OVERALL UTILITY PLAN

8949 ROOT ROAD, NORTH RIDGEVILLE, OHIO 44080

DRAWN BY: BDA
CHECKED BY: RAF
RAF JOB NO: 3128-23

SHEET: **C3.0**



NOTES:

- GRADES SHOWN HEREON ARE AT THE EDGE OF PAVEMENT OR GUTTER ELEVATIONS UNLESS NOTED OTHERWISE.
- ALL PAVEMENT AND SITE WORK SHALL CONFORM TO O.D.O.T., AND CITY OF NORTH RIDGEVILLE STANDARDS.
- ALL COMPACTION SHALL BE PERFORMED PER THE RECOMMENDATIONS OF THE GEOTECHNICAL EXPLORATION REPORT.
- EROSION CONTROL MEASURES MUST BE IN PLACE PRIOR TO ANY LAND DISTURBING ACTIVITY COMMENCES.
- CLEARING AND GRUBBING LIMITS SHALL INCLUDE ALL AREAS DISTURBED BY GRADING OPERATIONS.
- ANY GRADING OF DISTURBED AREAS SHALL BE SEEDED PER SEEDING NOTES, UNLESS OTHERWISE NOTED.
- CONTRACTOR TO ENSURE THAT FINAL GRADING AND LANDSCAPING ARE INSTALLED TO DIRECT SURFACE WATER FLOW TOWARDS CATCH BASINS AND STORM WATER MANAGEMENT DEVICES AS SHOWN HEREON. CONTRACTOR TO ENSURE THAT WATER DOES NOT POND ON-SITE.
- CONTRACTOR TO ENSURE THAT SURFACE WATER FLOW IS MAINTAINED ON-SITE AND DOES NOT ADVERSELY FLOW ONTO ADJACENT PROPERTIES.
- CONTRACTOR TO STOCKPILE EXCESS DIRT AT THE MOUND ALONG THE EAST OF THE PROPERTY. MOUNDING SHALL BE PLACED AND GRADED.

GRADING LEGEND:

- SURFACE WATER FLOW
- xxx.xx EXISTING SURFACE ELEVATION
- (xxx.xx) PROPOSED SURFACE ELEVATION
- L.P. (xxx.xx) PROPOSED LOW POINT ELEVATION
- H.P. (xxx.xx) PROPOSED HIGH POINT ELEVATION
- FG BWALL (xxx.xx) PROPOSED FINISH GRADE AT BOTTOM OF WALL
- FG TOP (xxx.xx) PROPOSED FINISH GRADE AT TOP OF WALL
- TWALL (xxx.xx) PROPOSED TOP OF WALL ELEVATION
- F.F. (xxx.xx) PROPOSED FINISH FLOOR ELEVATION
- (HOLD) HOLD EXISTING GRADE
- F.G. (xxx.xx) PROPOSED FINISH GRADE ELEVATION
- GUT (xxx.xx) PROPOSED GUTTER ELEVATION
- TC (xxx.xx) PROPOSED TOP OF CURB ELEVATION

BASIS OF BEARINGS

BASIS OF BEARING IS ASSUMED AND IS USED TO DESCRIBE ANGLES ONLY. A PORTION OF THE WESTERLY LINE OF RIDGEFIELD HOMES INC. SUBDIVISION No. 2 AS RECORDED IN PLAT VOLUME 57, PAGE 70 OF THE LORAIN COUNTY PLAT RECORDS AND IS ASSUMED TO BE NORTH 01° 38' 05" EAST AS SHOWN HEREON.

THIS SURVEY IS BASED UPON A FIELD SURVEY PERFORMED BY RAFTER A., LTD IN APRIL OF 2023.

UNDERGROUND UTILITIES NOTE:

THE SIZE & LOCATION, BOTH HORIZONTAL AND VERTICAL, OF THE UNDERGROUND UTILITIES SHOWN HEREON, HAVE BEEN OBTAINED BY A SEARCH OF AVAILABLE RECORDS. VERIFICATION BY FIELD OBSERVATION HAS BEEN CONDUCTED WHERE PRACTICAL. HOWEVER, RAFTER A., LTD DOES NOT GUARANTEE THE COMPLETENESS NOR ACCURACY THEREOF.

UNDERGROUND UTILITIES

Contact Two Working Days Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)
A228701141-00A; A228701159-00A;
A228701221-00A; A228701207-00A

REV.	BY	DATE	DESCRIPTION
1	BDA	11-10-2023	ISSUE FOR CLIENT REVIEW
2	BDA	02-16-2024	ISSUE FOR CITY REVIEW
3	BDA	02-19-2024	ISSUE FOR CITY REVIEW

RAFTER A., LTD
LAND SURVEYING • ENGINEERING • TESTING
42653 Oberlin-Elyria Road, Oberlin, Ohio 44074
440-707-4014 • www.raftera.com • info@raftera.com

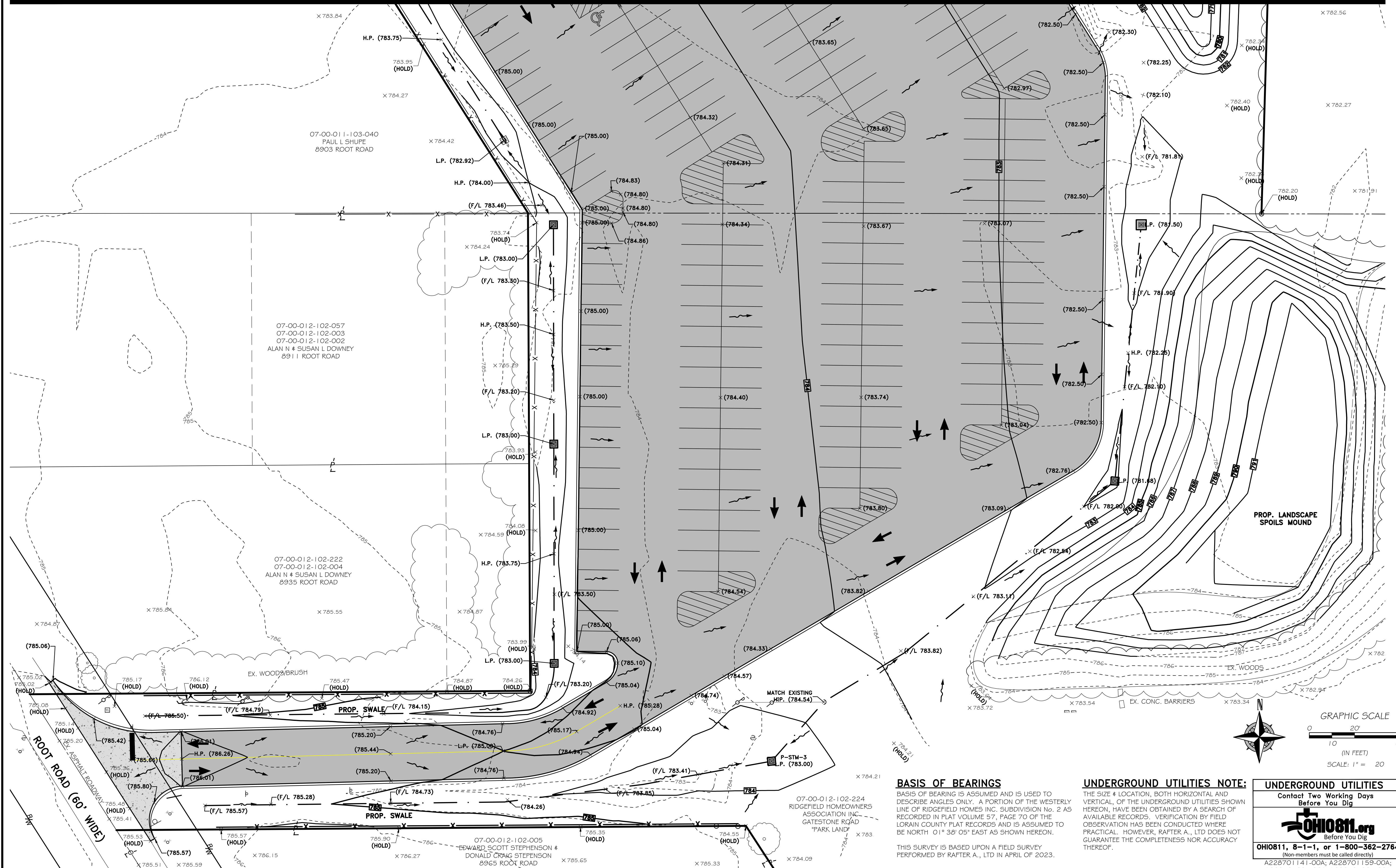
CITY OF NORTH RIDGEVILLE
PARKS & RECREATION DEPARTMENT
7327 AVON BELDEN ROAD
NORTH RIDGEVILLE, OHIO 44099

CITY OF NORTH RIDGEVILLE
PARKS DEPARTMENT
ROOT ROAD PARK PAVEMENT
& SITE IMPROVEMENTS
OVERALL GRADING PLAN
8949 ROOT ROAD, NORTH RIDGEVILLE, OHIO 44090

DRAWN BY: BDA
CHECKED BY: RAF
RAF JOB NO: 3128-23

SHEET: **C4.0**

MATCHLINE SEE SHEET C4.2



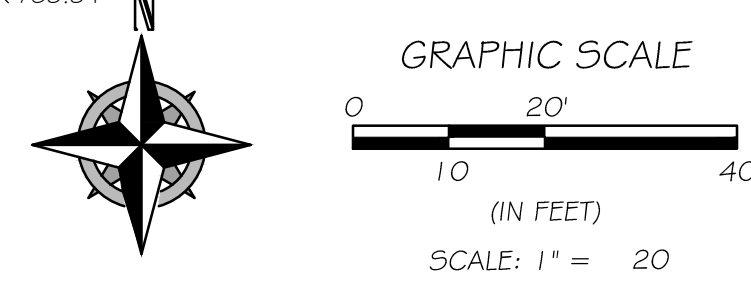
07-00-011-103-040
PAUL L SHUPE
8903 ROOT ROAD

07-00-012-102-057
07-00-012-102-003
07-00-012-102-002
ALAN N # SUSAN L DOWNEY
8911 ROOT ROAD

07-00-012-102-222
07-00-012-102-004
ALAN N # SUSAN L DOWNEY
8935 ROOT ROAD

07-00-012-102-005
EDWARD SCOTT STEPHENSON &
DONALD CRAIG STEPHENSON
8965 ROOT ROAD

07-00-012-102-224
RIDGEFIELD HOMEOWNERS
ASSOCIATION INC.
GATESTONE ROAD
"PARK LAND"



BASIS OF BEARINGS
BASIS OF BEARING IS ASSUMED AND IS USED TO DESCRIBE ANGLES ONLY. A PORTION OF THE WESTERLY LINE OF RIDGEFIELD HOMES INC. SUBDIVISION No. 2 AS RECORDED IN PLAT VOLUME 57, PAGE 70 OF THE LORAIN COUNTY PLAT RECORDS AND IS ASSUMED TO BE NORTH 01° 38' 05" EAST AS SHOWN HEREON.

THIS SURVEY IS BASED UPON A FIELD SURVEY PERFORMED BY RAFTER A., LTD IN APRIL OF 2023.

UNDERGROUND UTILITIES NOTE:
THE SIZE & LOCATION, BOTH HORIZONTAL AND VERTICAL, OF THE UNDERGROUND UTILITIES SHOWN HEREON, HAVE BEEN OBTAINED BY A SEARCH OF AVAILABLE RECORDS. VERIFICATION BY FIELD OBSERVATION HAS BEEN CONDUCTED WHERE PRACTICAL. HOWEVER, RAFTER A., LTD DOES NOT GUARANTEE THE COMPLETENESS NOR ACCURACY THEREOF.

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)
A228701141-00A; A228701159-00A;
A228701221-00A; A228701207-00A

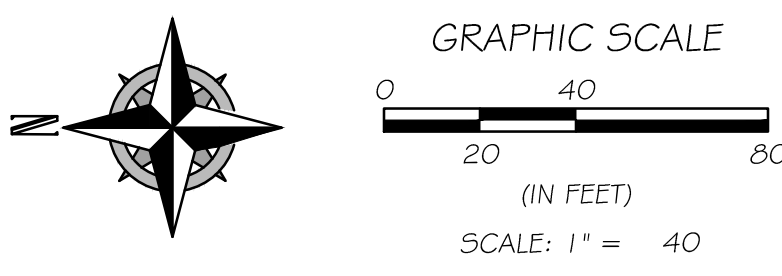
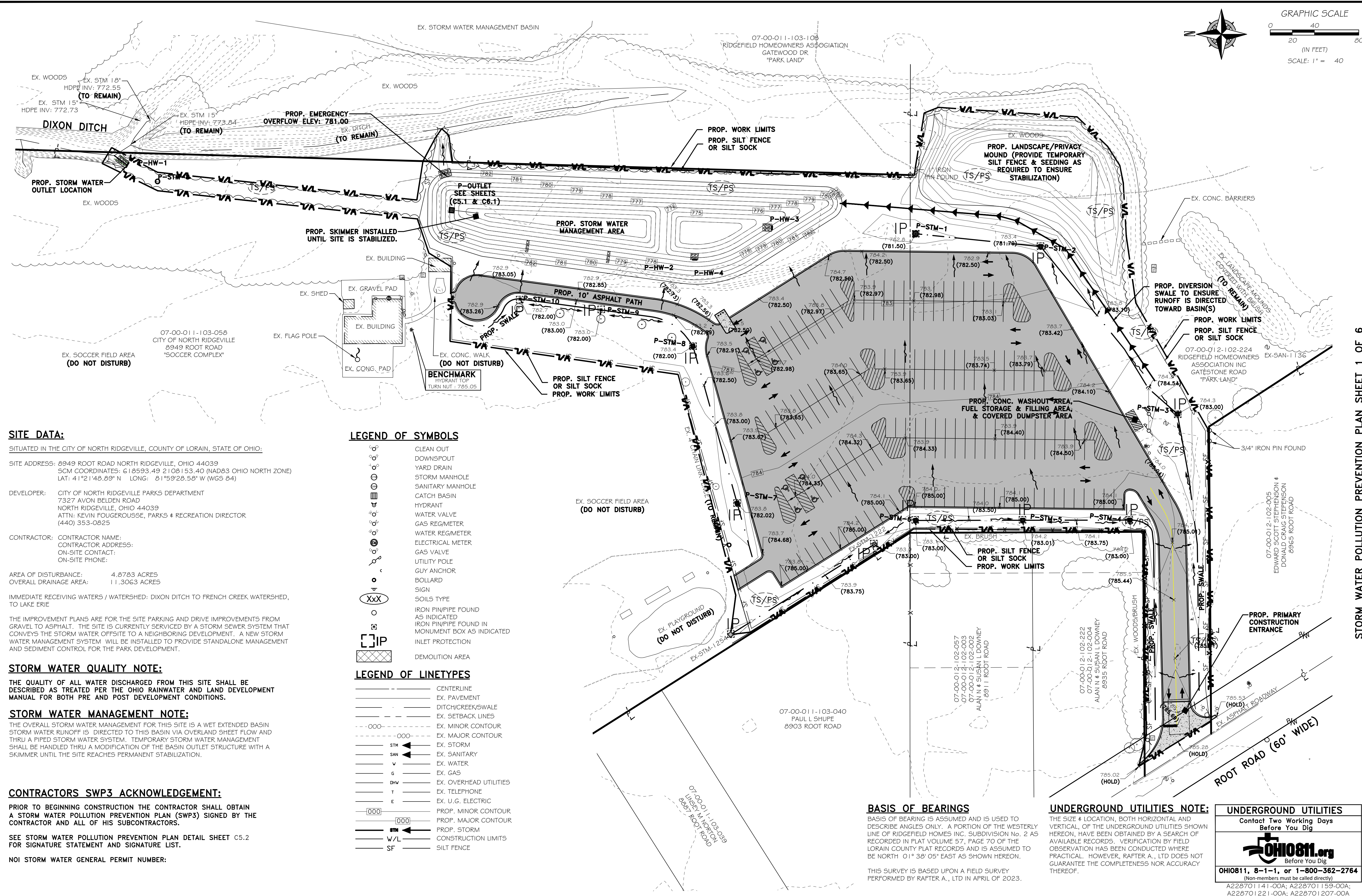
REV.	BY	DATE	DESCRIPTION
1	BDA	11-10-2023	ISSUE FOR CLIENT REVIEW
2	BDA	02-16-2024	ISSUE FOR CITY REVIEW
3	BDA	02-19-2024	ISSUE FOR CITY REVIEW

RAFTER A., LTD
LAND SURVEYING • ENGINEERING • TESTING
42663 Oberlin-Elyria Road, Oberlin, Ohio 44074
440-707-4014 • www.raftera.com • info@raftera.com

CITY OF NORTH RIDGEVILLE
PARKS & RECREATION DEPARTMENT
7327 AVON BELDEN ROAD
NORTH RIDGEVILLE, OHIO 44089

CITY OF NORTH RIDGEVILLE
PARKS DEPARTMENT
ROOT ROAD PARK PAVEMENT
& SITE IMPROVEMENTS
ENLARGED GRADING PLAN
8949 ROOT ROAD, NORTH RIDGEVILLE, OHIO 44080

DRAWN BY: BDA
CHECKED BY: RAF
RAF JOB NO: 3128-23
SHEET: **C4.1**



SITE DATA:
 SITUATED IN THE CITY OF NORTH RIDGEVILLE, COUNTY OF LORAIN, STATE OF OHIO:
 SITE ADDRESS: 8949 ROOT ROAD NORTH RIDGEVILLE, OHIO 44039
 SCM COORDINATES: 618593.49 2108153.40 (NAD83 OHIO NORTH ZONE)
 LAT: 41°21'48.89" N LONG: 81°59'28.58" W (WGS 84)
 DEVELOPER: CITY OF NORTH RIDGEVILLE PARKS DEPARTMENT
 7327 AVON BELDEN ROAD
 NORTH RIDGEVILLE, OHIO 44039
 ATTN: KEVIN FOUGEROUSSE, PARKS & RECREATION DIRECTOR
 (440) 353-0825
 CONTRACTOR: CONTRACTOR NAME:
 CONTRACTOR ADDRESS:
 ON-SITE CONTACT:
 ON-SITE PHONE:

- LEGEND OF SYMBOLS**
- CLEAN OUT
 - DOWNSPOUT
 - YARD DRAIN
 - STORM MANHOLE
 - SANITARY MANHOLE
 - CATCH BASIN
 - HYDRANT
 - WATER VALVE
 - GAS REG/METER
 - WATER REG/METER
 - ELECTRICAL METER
 - GAS VALVE
 - UTILITY POLE
 - GUY ANCHOR
 - BOLLARD
 - SIGN
 - SOILS TYPE
 - IRON PIN/PIPE FOUND AS INDICATED
 - IRON PIN/PIPE FOUND IN MONUMENT BOX AS INDICATED
 - INLET PROTECTION
 - DEMOLITION AREA

- LEGEND OF LINETYPES**
- CENTERLINE
 - EX. PAVEMENT
 - DITCH/CREEK/SWALE
 - EX. SETBACK LINES
 - EX. MINOR CONTOUR
 - EX. MAJOR CONTOUR
 - EX. STORM
 - EX. SANITARY
 - EX. WATER
 - EX. GAS
 - EX. OVERHEAD UTILITIES
 - EX. TELEPHONE
 - EX. U.G. ELECTRIC
 - PROP. MINOR CONTOUR
 - PROP. MAJOR CONTOUR
 - PROP. STORM
 - W/L CONSTRUCTION LIMITS
 - SF SILT FENCE

STORM WATER QUALITY NOTE:
 THE QUALITY OF ALL WATER DISCHARGED FROM THIS SITE SHALL BE DESCRIBED AS TREATED PER THE OHIO RAINWATER AND LAND DEVELOPMENT MANUAL FOR BOTH PRE AND POST DEVELOPMENT CONDITIONS.

STORM WATER MANAGEMENT NOTE:
 THE OVERALL STORM WATER MANAGEMENT FOR THIS SITE IS A WET EXTENDED BASIN STORM WATER RUNOFF IS DIRECTED TO THIS BASIN VIA OVERLAND SHEET FLOW AND THRU A PIPED STORM WATER SYSTEM. TEMPORARY STORM WATER MANAGEMENT SHALL BE HANDLED THRU A MODIFICATION OF THE BASIN OUTLET STRUCTURE WITH A SKIMMER UNTIL THE SITE REACHES PERMANENT STABILIZATION.

CONTRACTORS SWP3 ACKNOWLEDGEMENT:
 PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A STORM WATER POLLUTION PREVENTION PLAN (SWP3) SIGNED BY THE CONTRACTOR AND ALL OF HIS SUBCONTRACTORS.
 SEE STORM WATER POLLUTION PREVENTION PLAN DETAIL SHEET C5.2 FOR SIGNATURE STATEMENT AND SIGNATURE LIST.
 NOI STORM WATER GENERAL PERMIT NUMBER:

BASIS OF BEARINGS
 BASIS OF BEARING IS ASSUMED AND IS USED TO DESCRIBE ANGLES ONLY. A PORTION OF THE WESTERLY LINE OF RIDGEFIELD HOMES INC. SUBDIVISION No. 2 AS RECORDED IN PLAT VOLUME 57, PAGE 70 OF THE LORAIN COUNTY PLAT RECORDS AND IS ASSUMED TO BE NORTH 01° 38' 05" EAST AS SHOWN HEREON.
 THIS SURVEY IS BASED UPON A FIELD SURVEY PERFORMED BY RAFTER A., LTD IN APRIL OF 2023.

UNDERGROUND UTILITIES NOTE:
 THE SIZE & LOCATION, BOTH HORIZONTAL AND VERTICAL, OF THE UNDERGROUND UTILITIES SHOWN HEREON, HAVE BEEN OBTAINED BY A SEARCH OF AVAILABLE RECORDS. VERIFICATION BY FIELD OBSERVATION HAS BEEN CONDUCTED WHERE PRACTICAL. HOWEVER, RAFTER A., LTD DOES NOT GUARANTEE THE COMPLETENESS NOR ACCURACY THEREOF.

UNDERGROUND UTILITIES
 Contact Two Working Days Before You Dig

 OHIO811, 8-1-1, or 1-800-362-2764
 (Non-members must be called directly)
 A228701141-00A; A228701153-00A;
 A228701221-00A; A228701207-00A

REV.	BY	DATE	DESCRIPTION
1	BDA	11-10-2023	ISSUE FOR CLIENT REVIEW
2	BDA	02-16-2024	ISSUE FOR CITY REVIEW
3	BDA	02-19-2024	ISSUE FOR CITY REVIEW
4	MSF	06-28-2025	PREVIOUSLY OMITTED FROM PLAN SET

RAFTER A., LTD
 LAND SURVEYING • ENGINEERING • TESTING
 42663 Oberlin-Elyria Road, Oberlin, Ohio 44074
 440-707-4014 • www.raftera.com • info@raftera.com

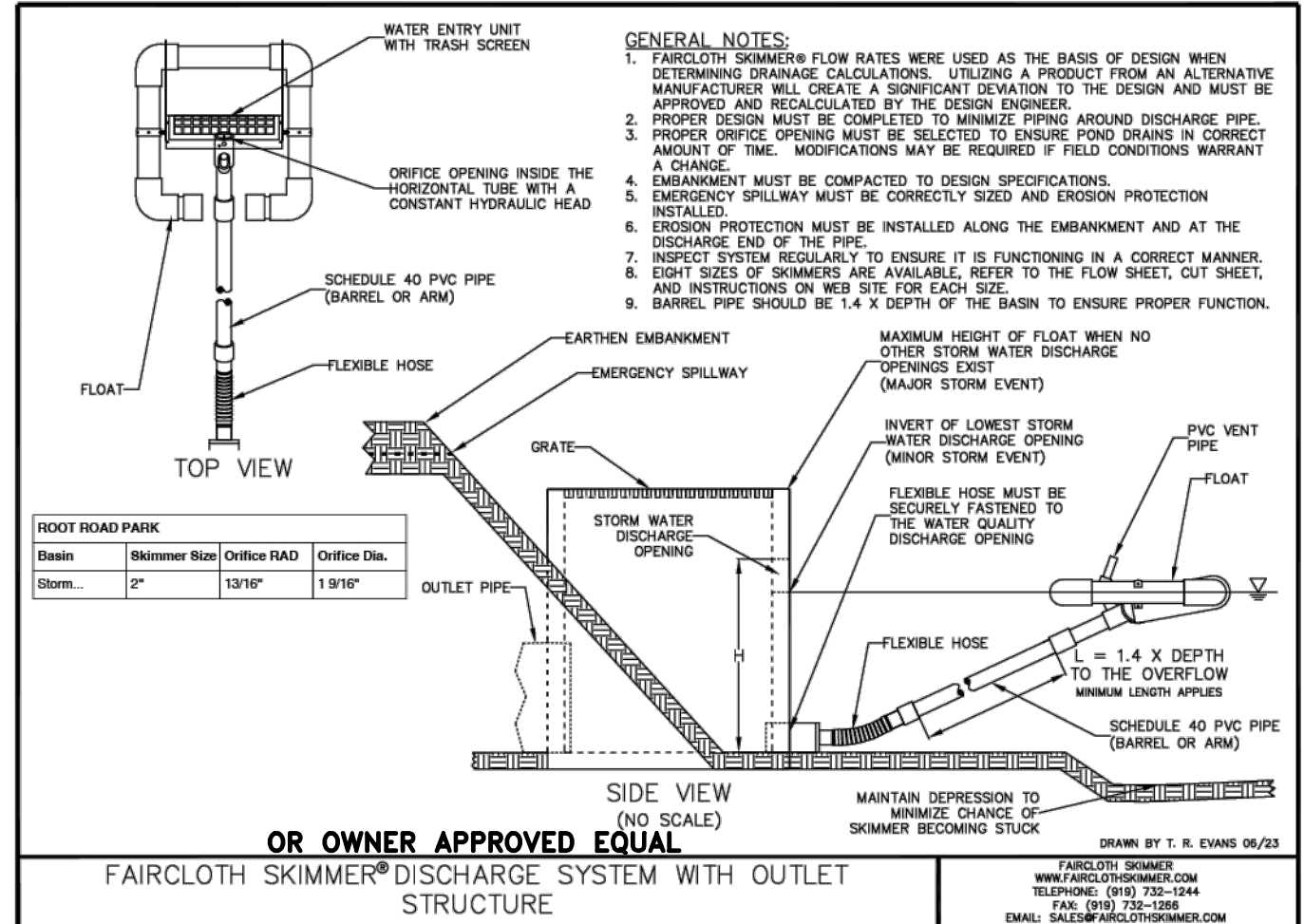
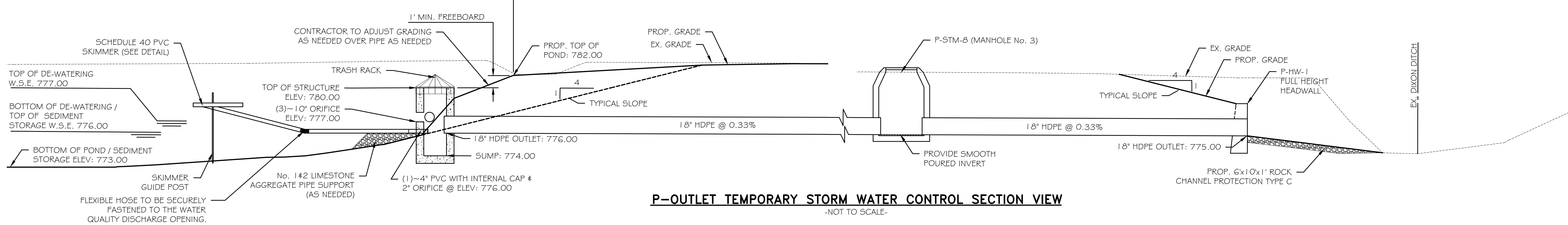
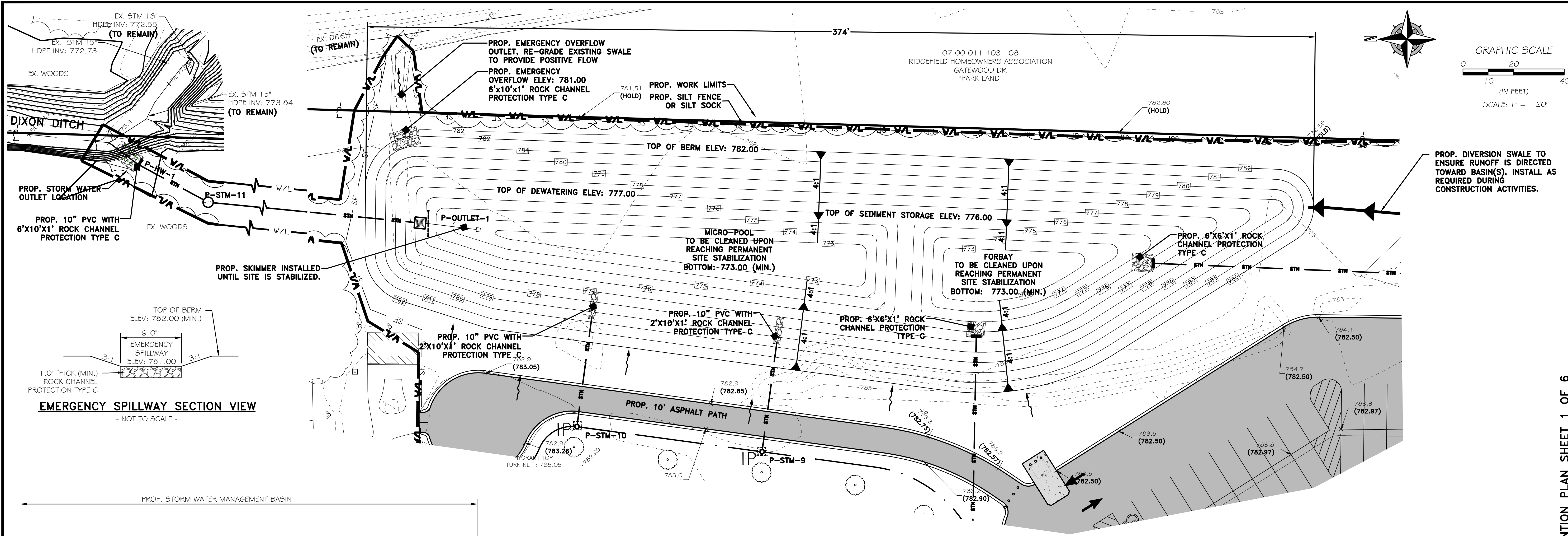
CITY OF NORTH RIDGEVILLE
 PARKS & RECREATION DEPARTMENT
 7327 AVON BELDEN ROAD
 NORTH RIDGEVILLE, OHIO 44039

CITY OF NORTH RIDGEVILLE
 PARKS DEPARTMENT
 ROOT ROAD PARK PAVEMENT
 & SITE IMPROVEMENTS
 CONSTRUCTION STORM WATER
 POLLUTION PREVENTION PLAN

8949 ROOT ROAD, NORTH RIDGEVILLE, OHIO 44080

DRAWN BY: BDA
 CHECKED BY: RAF
 RAF JOB NO: 3128-23

SHEET: **C5.0**



TEMPORARY WATER QUALITY VOLUME CALCULATIONS

PROVIDE TEMPORARY SEDIMENT STORAGE IN STORM WATER MANAGEMENT POND
AREA OF DISTURBANCE: 212,498.18 S.F. 4.8783 ACRES

UTILIZE TEMPORARY POND SKIMMER FOR SEDIMENT CONTROL OF DISTURBED AREA

TEMPORARY SEDIMENT STORAGE VOLUME SUMMARY
REQUIRED = 4.8783 AC X 1000 = 4,878.30 CU. FT. (CALCULATED)
PROVIDED = 17,254 CU. FT. (ELEVATION 773.00 TO 776.00)

DE-WATERING VOLUME SUMMARY
REQUIRED = 4.8783 AC X 1800 = 8,780.92 CU. FT. (CALCULATED)
PROVIDED = 11,164 CU. FT. (ELEVATION 776.00 TO 777.00)

PROVIDED SEDIMENT STORAGE TABLE

SEDIMENT AREA	VOLUME	ELEVATION
FORBAY A	6,285 CU. FT.	773.00 TO 776.00
MICRO POOL	10,966 CU. FT.	773.00 TO 776.00
TOTAL	17,254 CU. FT. (0.1145 AC-FI)	

PROVIDED DEWATERING TABLE

VOLUME	ELEVATION
11,164 CU. FT.	776.00 TO 777.00

BASIS OF BEARINGS

BASIS OF BEARING IS ASSUMED AND IS USED TO DESCRIBE ANGLES ONLY. A PORTION OF THE WESTERLY LINE OF RIDGEFIELD HOMES INC. SUBDIVISION No. 2 AS RECORDED IN PLAT VOLUME 57, PAGE 70 OF THE LORAIN COUNTY PLAT RECORDS AND IS ASSUMED TO BE NORTH 01° 38' 05" EAST AS SHOWN HEREON.

THIS SURVEY IS BASED UPON A FIELD SURVEY PERFORMED BY RAFTER A., LTD IN APRIL OF 2023.

UNDERGROUND UTILITIES NOTE:

THE SIZE & LOCATION, BOTH HORIZONTAL AND VERTICAL, OF THE UNDERGROUND UTILITIES SHOWN HEREON, HAVE BEEN OBTAINED BY A SEARCH OF AVAILABLE RECORDS. VERIFICATION BY FIELD OBSERVATION HAS BEEN CONDUCTED WHERE PRACTICAL. HOWEVER, RAFTER A., LTD DOES NOT GUARANTEE THE COMPLETENESS NOR ACCURACY THEREOF.

UNDERGROUND UTILITIES

Contact Two Working Days Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)
A228701141-00A; A228701159-00A;
A228701221-00A; A228701207-00A

STORM WATER POLLUTION PREVENTION PLAN SHEET 1 OF 6

REV.	BY	DATE	DESCRIPTION
1	BDA	11-10-2023	ISSUE FOR CLIENT REVIEW
2	BDA	02-16-2024	ISSUE FOR CITY REVIEW
3	BDA	02-19-2024	ISSUE FOR CITY REVIEW

RAFTER A., LTD
LAND SURVEYING • ENGINEERING • TESTING
42663 Oberlin-Elyria Road, Oberlin, Ohio 44074
440-707-4014 • www.raftera.com • info@raftera.com

CITY OF NORTH RIDGEVILLE
PARKS & RECREATION DEPARTMENT
7327 AVON BELDEN ROAD
NORTH RIDGEVILLE, OHIO 44099

CITY OF NORTH RIDGEVILLE
PARKS DEPARTMENT
ROOT ROAD PARK PAVEMENT
& SITE IMPROVEMENTS
CONSTRUCTION SWPPP
BASIN DETAILS

8949 ROOT ROAD, NORTH RIDGEVILLE, OHIO 44099

DRAWN BY: BDA
CHECKED BY: RAF
RAF JOB NO: 3128-23

SHEET: C5.1

CONSTRUCTION SITE POLLUTION CONTROLS:

1. CONSTRUCTION PERSONNEL, INCLUDING SUBCONTRACTORS WHO MAY USE OR HANDLE HAZARDOUS OR TOXIC MATERIALS, SHALL BE MADE AWARE OF THE FOLLOWING GENERAL GUIDELINES REGARDING DISPOSAL AND HANDLING OF HAZARDOUS AND CONSTRUCTION WASTES:
 - A) PREVENT SPILLS
 - B) USE PRODUCTS UP
 - C) FOLLOW LABEL DIRECTIONS OF DISPOSAL
 - D) REMOVE LIDS FROM EMPTY BOTTLES AND CANS WHEN DISPOSING IN TRASH
 - E) RECYCLE WASTES WHENEVER POSSIBLE
 - F) DO NOT POUR INTO WATERWAYS, STORM DRAINS, OR ONTO THE GROUND.
 - G) DO NOT POUR DOWN THE SINK, FLOOR DRAIN, OR SEPTIC TANKS.
 - H) DO NOT BURY CHEMICALS OR CONTAINERS
 - I) DO NOT BURN CHEMICALS OR CONTAINERS
 - J) DO NOT MIX CHEMICALS TOGETHER
2. CONTAINERS SHALL BE PROVIDED FOR THE PROPER COLLECTION OF ALL WASTE MATERIAL INCLUDING CONSTRUCTION DEBRIS, TRASH, PETROLEUM PRODUCTS AND ANY HAZARDOUS MATERIALS USED ON-SITE. CONTAINERS SHALL BE COVERED AND NOT LEAKING. ALL WASTE MATERIAL SHALL BE DISPOSED OF AT FACILITIES APPROVED FOR THAT MATERIAL. CONSTRUCTION DEMOLITION AND DEBRIS (CD&D) WASTE MUST BE DISPOSED OF AT AN OHIO EPA APPROVED CD&D LANDFILL.
3. NO CONSTRUCTION RELATED WASTE MATERIALS ARE TO BE BURIED ON-SITE. BY EXCEPTION, CLEAN FILL (BRICKS, HARDENED CONCRETE, SOIL) MAY BE UTILIZED IN A WAY WHICH DOES NOT ENCROACH UPON NATURAL WETLANDS, STREAMS, OR FLOODPLAINS, OR RESULT IN THE CONTAMINATION OF WATERS OF THE STATE.
4. HANDLING CONSTRUCTION CHEMICALS: MIXING, PUMPING, TRANSFERRING, OR OTHER HANDLING OF CONSTRUCTION CHEMICALS SUCH AS FERTILIZER, LIME, ASPHALT, CONCRETE DRYING COMPOUNDS, AND ALL OTHER POTENTIALLY HAZARDOUS MATERIALS SHALL BE PERFORMED IN AN AREA AWAY FROM ANY WATERCOURSE, DITCH, OR STORM DRAIN.
5. EQUIPMENT FUELING AND MAINTENANCE, OIL CHANGING, ETC., SHALL BE PERFORMED AWAY FROM WATERCOURSES, DITCHES, OR STORM DRAINS, IN AN AREA DESIGNATED FOR THAT PURPOSE. THE DESIGNATED AREA SHALL BE EQUIPPED FOR RECYCLING OIL AND CATCHING SPILLS. SECONDARY CONTAINMENT SHALL BE PROVIDED FOR ALL FUEL AND OIL STORAGE TANKS. THESE AREA MUST BE INSPECTED EVERY SEVEN (7) DAYS AND WITHIN TWENTY-FOUR (24) HOURS OF A 0.5 INCH OR GREATER RAIN EVENT TO ENSURE THAT THERE ARE NO EXPOSED MATERIALS WHICH WOULD CONTAMINATE STORM WATER. SITE OPERATORS MUST BE AWARE THAT SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) REQUIREMENTS MAY APPLY. AN SPCC PLAN IS REQUIRED FOR SITES WITH ONE SINGLE ABOVE GROUND TANK OF SIX HUNDRED SIXTY (660) GALLONS OR MORE, ACCUMULATIVE ABOVE GROUND STORAGE OF ONE THOUSAND THREE HUNDRED THIRTY (1,330) GALLONS OR MORE, OR FORTY-TWO THOUSAND (42,000) GALLONS OF UNDERGROUND STORAGE. CONTAMINATED SOILS MUST BE DISPOSED OF IN ACCORDANCE WITH ITEM NO. 8.
6. CONCRETE WASH WATER SHALL NOT BE ALLOWED TO FLOW TO STREAMS, DITCHES, STORM DRAINS, OR ANY OTHER WATER CONVEYANCE. A SUMP OR PIT WITH NO POTENTIAL FOR DISCHARGE SHALL BE CONSTRUCTED IF NEEDED TO CONTAIN CONCRETE WASH WATER. FIELD TILE OR OTHER SUBSURFACE DRAINAGE STRUCTURES WITHIN TEN (10) FEET OF THE SUMP SHALL BE CUT AND PLUGGED. FOR SMALL PROJECTS, TRUCK CHUTES MAY BE RINSED AWAY FROM ANY WATER CONVEYANCES. PRIOR TO PUMPING WATER FROM CONCRETE WASHOUT PIT, CONTRACTOR SHALL TEST PH TO ENSURE THE WATER IS ACCEPTABLE TO DISCHARGE TO NATURAL WATER COURSE PER OHIO EPA STANDARDS. IF PH IS GREATER THAN OHIO EPA RECOMMENDED DISCHARGE, CONTRACTOR SHALL USE PH LOWERING ACIDS AS RECOMMENDED BY OHIO EPA TO REACH ACCEPTABLE PH DISCHARGE LEVELS PRIOR TO DISCHARGING OFF-SITE.
7. SPILL REPORTING REQUIREMENTS: SPILLS ON PAVEMENT SHALL BE ABSORBED WITH SAWDUST OR KITTY LITTER AND DISPOSED OF WITH THE TRASH AT A LICENSED SANITARY LANDFILL. HAZARDOUS OR INDUSTRIAL WASTES SUCH AS MOST SOLVENTS, GASOLINE, OIL-BASED PAINTS, AND CEMENT CURING COMPOUNDS REQUIRE SPECIAL HANDLING. SPILLS SHALL BE REPORTED TO THE OHIO EPA (1-800-282-9378). SPILLS OF TWENTY-FIVE (25) GALLONS OR MORE OF PETROLEUM PRODUCTS SHALL BE REPORTED TO THE OHIO EPA, LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN THIRTY (30) MINUTES OF THE DISCOVERY OF THE RELEASE. ALL SPILLS WHICH CONTACT WATERS OF THE STATE MUST BE REPORTED TO THE OHIO EPA.
8. CONTAMINATED SOILS: IF SUBSTANCES SUCH AS OIL, DIESEL FUEL, HYDRAULIC FLUID, ANTIFREEZE, ETC., ARE SPILLED, LEAKED, OR RELEASED ONTO THE SOIL, THE SOIL SHOULD BE DUG UP AND DISPOSED OF AT A LICENSED SANITARY LANDFILL OR OTHER APPROVED PETROLEUM CONTAMINATED SOLID REMEDIATION FACILITY, NOT A CONSTRUCTION OR DEMOLITION DEBRIS LANDFILL. NOTE THAT STORM WATER RUNOFF ASSOCIATED WITH CONTAMINATED SOILS ARE NOT AUTHORIZED UNDER THE OHIO EPA'S GENERAL STORM WATER PERMIT ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
9. OPEN BURNING: NO MATERIALS CONTAINING RUBBER, GREASE, ASPHALT, OR PETROLEUM PRODUCTS, SUCH AS TIRES, AUTOPARTS, PLASTICS OR PLASTIC COATED WIRE MAY BE BURNED (OAC 3745-1-19). OPEN BURNING IS NOT ALLOWED IN RESTRICTED AREAS, WHICH ARE DEFINED AS: 1) WITHIN CORPORATION LIMITS; 2) WITHIN ONE THOUSAND (1,000) FEET OUTSIDE A MUNICIPAL CORPORATION HAVING A POPULATION OF ONE THOUSAND (1,000) TO TEN THOUSAND (10,000); AND 3) A ONE (1) MILE ZONE OUTSIDE A CORPORATION OF TEN THOUSAND (10,000) OR MORE. OUTSIDE OF RESTRICTED AREAS, NO OPEN BURNING IS ALLOWED WITHIN A ONE THOUSAND (1,000) FEET OF AN INHABITED BUILDING ON ANOTHER PROPERTY. OPEN BURNING IS PERMISSIBLE IN A RESTRICTED AREA FOR: HEATING TAR, WELDING, SMUDGE POTS, AND SIMILAR OCCUPATIONAL NEEDS, AND HEATING FOR WARMTH OR OUTDOOR BARBECUES. OUTSIDE OF RESTRICTED AREAS, OPEN BURNING IS PERMISSIBLE FOR LANDSCAPE OR LAND-CLEARING WASTES (PLANT MATERIAL, WITH PRIOR WRITTEN PERMISSION FROM THE OHIO EPA), AND AGRICULTURAL WASTES, EXCLUDING BUILDINGS.
10. DUST CONTROL OR DUST SUPPRESSANTS SHALL BE USED TO PREVENT NUISANCE CONDITIONS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND IN A MANNER, WHICH PREVENT A DISCHARGE TO WATERS OF THE STATE. SUFFICIENT DISTANCE MUST BE PROVIDED BETWEEN APPLICATIONS AND NEARBY BRIDGES, CATCH BASINS, AND OTHER WATERWAYS. APPLICATION (EXCLUDING WATER) MAY NOT OCCUR WHEN RAIN IS IMMINENT AS NOTED IN THE SHORT TERM FORECAST. USED OIL MAY NOT BE APPLIED FOR DUST CONTROL.
 11. OTHER AIR PERMITTING REQUIREMENTS: CERTAIN ACTIVITIES ASSOCIATED WITH CONSTRUCTION WILL REQUIRE AIR PERMITS INCLUDING BUT NOT LIMITED TO: MOBILE CONCRETE BATCH PLANTS, MOBILE ASPHALT PLANTS, CONCRETE CRUSHERS, LARGE GENERATORS, ETC. THESE ACTIVITIES WILL REQUIRE SPECIFIC OHIO EPA AIR PERMITS FOR INSTALLATION AND OPERATION. OPERATORS MUST SEEK AUTHORIZATION FROM THE CORRESPONDING DISTRICT OF THE OHIO EPA. FOR DEMOLITION OF ALL COMMERCIAL SITES, A NOTIFICATION FOR RESTORATION AND DEMOLITION MUST BE SUBMITTED TO THE OHIO EPA TO DETERMINE IF ASBESTOS CORRECTIVE ACTIONS ARE REQUIRED.
 12. PROCESS WASTE WATER/LEACHATE MANAGEMENT. THE OHIO EPA CONSTRUCTION GENERAL PERMIT ONLY ALLOWS THE DISCHARGE OF STORM WATER AND DOES NOT INCLUDE OTHER WASTE STREAMS/DISCHARGES SUCH AS VEHICLE AND/OR EQUIPMENT WASHING, ON-SITE SEPTIC LEACHATE, CONCRETE WASH OUTS, WHICH ARE CONSIDERED PROCESS WASTE WATERS. ALL PROCESS WASTE WATERS MUST BE COLLECTED AND PROPERLY DISPOSED AT AN APPROVED DISPOSAL FACILITY. IN THE EVENT, LEACHATE OR SEEPAGE IS DISCHARGE; IT MUST BE ISOLATED FOR COLLECTION AND PROPER DISPOSAL. CORRECTIVE ACTIONS SHALL BE TAKEN TO ELIMINATE THE SOURCE OF WASTE WATER.

STORM WATER POLLUTION PREVENTION GENERAL NOTES:

1. SOIL EROSION AND SEDIMENTATION CONTROL MEASURES MUST BE IMPLEMENTED AS A FIRST STEP OF GRADING AND WITHIN SEVEN (7) DAYS FROM THE START OF CLEARING AND GRUBBING. THESE MEASURES AND PROCEDURES SHALL CONTINUE TO FUNCTION UNTIL THE ENTIRE PROJECT SITE IS STABILIZED.
2. DITCHES WITH GRADES GREATER THAN 1.5% SHALL HAVE EROSION CONTROL BLANKETS/MATTING INSTALLED AS PART OF STABILIZATION MEASURES.
3. REGULAR INSPECTION AND MAINTENANCE SHALL BE PROVIDED FOR ALL EROSION AND SEDIMENT CONTROL PRACTICES. PERMANENT RECORDS OF MAINTENANCE AND INSPECTIONS MUST BE KEPT THROUGHOUT THE CONSTRUCTION PERIOD. INSPECTIONS MUST BE MADE A MINIMUM OF ONCE EVERY 7 DAYS AND IMMEDIATELY AFTER STORM EVENTS GREATER THAN 0.5 INCHES OF RAIN IN A 24 HOUR PERIOD. PROVIDED WILL BE: NAME OF INSPECTOR, MAJOR OBSERVATIONS, DATE OF INSPECTION AND CORRECTIVE MEASURE TAKEN.
4. ALL EROSION AND SEDIMENT CONTROL PRACTICES MUST CONFORM TO THE LATEST EDITION OF RAINWATER AND LAND DEVELOPMENT, OHIO'S STANDARDS FOR STORM WATER MANAGEMENT, LAND DEVELOPMENT AND URBAN STREAM PROTECTION.
5. CONTRACTOR TO COORDINATE THE EXCAVATION AND EMBANKMENT WITH CLIENT & ENGINEER PRIOR TO CONSTRUCTION TO INSURE ADEQUATE STORM WATER POLLUTION PREVENTION MEASURES ARE INCORPORATED WITH THE CONSTRUCTION PROCESS.
6. ANY REQUIRED MODIFICATIONS AS DETERMINED BY THE OWNER/DEVELOPER, CONTRACTOR, OHIO EPA, OR SWPPP ENGINEER SHALL BE APPROVED BY THE SWP3 ENGINEER.
7. ANY APPROVED REVISIONS SHALL BE MADE IMMEDIATELY BY THE SWP3 ENGINEER AND IMPLEMENTED BY THE OWNER, DEVELOPER, AND/OR CONTRACTOR.
8. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH THE PROJECT SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND BECOME FAMILIAR WITH ITS CONTENTS & REQUIREMENTS.
9. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ECT.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
10. ALTHOUGH THE PLAN SHOWS A BASIC AREA FOR MATERIAL STORAGE, THE CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING, OTHER REQUIRED STORAGE AREAS, EQUIPMENT MAINTENANCE AREAS, CLEANING AREAS, EMPLOYEE PARKING AREAS, PORTABLE FACILITIES, OFFICE TRAILER AREAS, AND TOILET FACILITIES.
 11. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN UP FUEL OR CHEMICAL SPILLS/LEAKS.
 12. DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OF TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
 13. REFUSE AND DEBRIS GENERATED DURING THE CONSTRUCTION PROCESS SHALL BE DISPOSED IN AN ACCEPTABLE TRASH RECEIPTAGE AND/OR OTHER ACCEPTABLE MANNERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE.
 14. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS PLAN SHALL BE INITIATED AS SOON AS PRACTICABLE.
 15. ANY SEDIMENT LADEN GROUND WATER ENCOUNTERED DURING TRENCHING EXCAVATIONS SHALL BE TREATED PRIOR TO DISCHARGE FROM THE SITE IN A MANNER ACCEPTABLE WITH THE RAINWATER AND LAND DEVELOPMENT MANUAL.
 16. ANY CATCH BASIN GRATE LOCATED IN PAVEMENT SHALL BE PROTECTED WITH A SILTSACK OR APPROVED EQUAL. THIS STORM WATER POLLUTION PREVENTION CONTROL SHALL REMAIN IN EFFECT UNTIL THE PERMANENT SEEDING OF THE UPLAND AREAS HAS BEEN ESTABLISHED.
 13. NO TOXIC OR HAZARDOUS WASTES SHALL BE DISPOSED INTO STORM DRAINS, SEPTIC TANKS, OR BY BURYING, BURNING, OR MIXING THE WASTES.
 14. DEMOLITION DEBRIS MUST BE DISPOSED INTO AN OHIO EPA APPROVED LANDFILL. MATERIALS WHICH CONTAIN ASBESTOS MUST COMPLY WITH AIR POLLUTION REGULATIONS AS PER OHIO ADMINISTRATIVE CODE (OAC) 3745-20.
 15. ALL EROSION MEASURES SHALL REMAIN IN PLACE UNTIL THE SITE IS STABILIZED. ALL AREAS OF VEGETATIVE SURFACE STABILIZATION, WHETHER TEMPORARY OR PERMANENT, SHALL BE CONSIDERED TO BE IN PLACE AND FUNCTIONAL WHEN THE REQUIRED UNIFORM RATE OF COVERAGE (70%) IS OBTAINED.
 16. DISTURBED AREAS WHICH WILL REMAIN UNWORKED FOR A PERIOD OF FOURTEEN (14) DAYS OR MORE, SHALL BE STABILIZED WITH TEMPORARY AND/OR PERMANENT SEEDING AND MULCHING OR OTHER APPROVED MEANS WITHIN TWO (2) DAYS.
 17. IF FOR ANY REASON THE PROJECT IS SUSPENDED, THE CONTRACTOR SHALL INSURE THAT ALL INSTALLED EROSION MEASURES ARE FUNCTIONING AND PROPERLY MAINTAINED DURING THIS PERIOD, AND THAT ALL DISTURBED SOILS ARE SEEDED AND MULCHED WITH TEMPORARY SEED MIXTURE.
 18. ALL EROSION AND SEDIMENT CONTROL PRACTICES MUST CONFORM TO THE LATEST EDITION OF RAINWATER AND LAND DEVELOPMENT, OHIO'S STANDARDS FOR STORM WATER MANAGEMENT, LAND DEVELOPMENT AND URBAN STREAM PROTECTION.
 19. SOIL EROSION AND SEDIMENTATION CONTROL MEASURES MUST BE IMPLEMENTED AS A FIRST STEP OF GRADING AND WITHIN SEVEN (7) DAYS FROM THE START OF CLEARING AND GRUBBING. THESE MEASURES AND PROCEDURES SHALL CONTINUE TO FUNCTION UNTIL THE ENTIRE PROJECT SITE IS STABILIZED.
 20. NO SOLID OR LIQUID WASTE SHALL BE DISCHARGED INTO STORM WATER RUNOFF.
 21. WEEKLY INSPECTION AND MAINTENANCE SHALL BE PROVIDED FOR ALL EROSION AND SEDIMENT CONTROL DEVICES.
 22. ON-SITE & OFFSITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BMPS. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP.
 23. THE CONTRACTOR SHALL NOT CAUSE STORM WATER BACKUP IN THE STREET RIGHT-OF-WAY OR STORM SEWERS DUE TO EROSION CONTROL BMPS EMPLOYED DURING CONSTRUCTION.
 24. NO APPARENT WELLS, STREAMS, BODIES OF WATER, OR WETLANDS OBSERVED UNLESS SHOWN HEREON, 200ft. BOUNDARY NOT TO SCALE.
 25. IT IS NOT ANTICIPATED THAT THIS PLAN WILL REQUIRE FUEL OR FLAMMABLE LIQUIDS STORAGE ON SITE. HOWEVER, IF CONTRACTOR MEANS & METHODS REQUIRE FUEL STORAGE IT SHALL BE PROVIDED IN THE AREA INDICATED ON THIS PLAN.

POST CONSTRUCTION STORM WATER MANAGEMENT MAINTENANCE REQUIREMENTS

1. THIS SITE SHALL REQUIRE A COMPREHENSIVE STORMWATER MANAGEMENT PLAN (CSM PLAN) AND AN INSPECTION AND MAINTENANCE AGREEMENT.
2. IT SHALL BE THE RESPONSIBILITY OF THE OWNER THE PARCEL, TO PERFORM THE NECESSARY MAINTENANCE AND REPAIR TO THE STORM WATER MANAGEMENT FACILITY TO INSURE IT IS PROPERLY FUNCTIONING.
3. THE STORMWATER MANAGEMENT SYSTEM SHALL BE INSPECTED FOR DAMAGE AND INSURE PROPER FLOW. **SEE COMPREHENSIVE STORMWATER MANAGEMENT PLAN & INSPECTION & MAINTENANCE AGREEMENT.**
4. WRITTEN RECORDS SHALL BE KEPT AND SUBMITTED TO THE CITY OF NORTH RIDGEVILLE FOR A MINIMUM OF THREE YEARS (OR AS OUTLINED IN THE CSM PLAN & INSPECTION & MAINTENANCE AGREEMENT) AFTER THE TERMINATION OF CONSTRUCTION ACTIVITIES. ITEMS THAT SHALL BE INCLUDED, BUT NOT LIMITED TO:
 - A. NAME OF THE CERTIFIED PROFESSIONAL STORMWATER QUALITY (C.P.S.W.Q) PERSON(S) PERFORMING THE INSPECTION;
 - B. DATE AND WEATHER CONDITIONS OF THE INSPECTION;
 - C. CONDITION OF THE EMBANKMENT AND OUTLET STRUCTURE;
 - D. NOTE ANY REPAIRS THAT ARE MADE.

SEQUENCE OF CONSTRUCTION:

1. A MANDATORY PRE-CONSTRUCTION MEETING WITH APPROPRIATE CITY OF NORTH RIDGEVILLE REPRESENTATIVES.
2. STAKEOUT LIMITS OF DISTURBANCE.
3. INSTALL TEMPORARY PROTECTION ON ANY EXISTING CATCH BASINS. PREPARE CONSTRUCTION ENTRANCE.
4. INSTALL SILT FENCE (OR SILT SOCK) WHERE INDICATED ON THE PLANS.
5. VERIFY EXISTING CONDITION ITEMS, BEGIN SITE CLEARING & DEMOLITION. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE CITY AND/OR COUNTY CONSERVATION DISTRICT OF THE LOCATION OF ANY AND ALL EROSION AND SEDIMENTATION CONTROL MEASURES IMPLEMENTED AT ANY BORROW OR SPOIL SITE OF IMPORT/EXPORT MATERIAL.
6. BEGIN MASS EARTH MOVING OPERATIONS. INSURE THAT OUTLET STRUCTURE IS OUTFITTED WITH TEMPORARY SKIMMER DEVICE.
7. MAINTAIN TEMPORARY DRAINAGE SWALES AS REQUIRED TO ENSURE THAT RUNOFF IS DIRECTED TOWARDS STORM WATER MANAGEMENT POND.
8. CONTRACTOR TO ENSURE THAT ALL ROADWAYS ARE CLEAR OF DEBRIS, MUD AND GRAVEL. CONTRACTOR SHALL REMOVE SUCH AS REQUIRED.
9. TEMPORARY STABILIZE AREAS OF DISTURBANCE (AS NEEDED).
10. INSTALL UTILITIES, PROTECT AS NEEDED WITH SILT FENCE AND/OR SILT SOCK. STABILIZE ALL UTILITY TRENCHES AT THE END OF EACH WORKDAY BY MEANS OF GRAVEL BACKFILL TO SURFACE, RE-PAVING, OR MULCHING.

1. EXCAVATE AND INSTALL BASE FOR PARKING.
2. INSTALL PAVEMENT.
3. REPLACE TOPSOIL, FINE GRADE AND SEED AREAS AS REQUIRED.
4. STABILIZE ALL DISTURBED AREAS WITH PERMANENT SEED AND MULCHING OR CROWNVECH SEEDING IMMEDIATELY UPON REACHING FINAL GRADE.
5. COMPLETE SITE WORK. FINAL LANDSCAPING AND CLEAN UP.
6. RESEED AND REDRESS ANY AREAS THAT MAY REQUIRE ATTENTION IMMEDIATELY. NOTE THAN LAWN AREAS WILL NOT BE DEEMED STABLE UNTIL A UNIFORM SEVENTY (70%) PERCENT SHALL BE CONSIDERED TO BE IN PLACE AND FUNCTIONAL WHEN THE REQUIRED UNIFORM RATE OF COVERAGE (70%) IS OBTAINED.
7. UPON COMPLETION AND PERMANENT SITE STABILIZATION, REMOVE ALL TEMPORARY SEDIMENT CONTROL DEVICE(S) (INLET PROTECTION & SILT FENCE). ENSURE THAT ANY REQUIRED PERMANENT EROSION CONTROL DEVICES ARE INSTALLED IF CALLED FOR ON THE PLANS.
8. REMOVE CONSTRUCTION SEDIMENT FROM BASIN AND PROVIDE AS-BUILT OF SITE FOR REFERENCE IN THE COMPREHENSIVE STORM WATER MANAGEMENT PLAN.
9. IF FOR ANY REASON THE PROJECT IS SUSPENDED, THE CONTRACTOR SHALL INSURE THAT ALL INSTALLED EROSION MEASURES ARE FUNCTIONING AND PROPERLY MAINTAINED DURING THE PERIOD. ALL BARE SOILS ARE TO BE SEEDED AND MULCHED WITH THE TEMPORARY SEED MIXTURE.
20. CONTRACTOR SHALL SELF INSPECT THE STORM WATER POLLUTION DURING CONSTRUCTION ACTIVITIES AND PROVIDE THE APPROPRIATE JURISDICTIONAL ENTITY WITH WEEKLY REPORTS.

BASIS OF BEARINGS

BASIS OF BEARING IS ASSUMED AND IS USED TO DESCRIBE ANGLES ONLY. A PORTION OF THE WESTERLY LINE OF RIDGEFIELD HOMES INC. SUBDIVISION No. 2 AS RECORDED IN PLAT VOLUME 57, PAGE 70 OF THE LORAIN COUNTY PLAT RECORDS AND IS ASSUMED TO BE NORTH 01° 38' 05" EAST AS SHOWN HEREON.

THIS SURVEY IS BASED UPON A FIELD SURVEY PERFORMED BY RAFTER A., LTD IN APRIL OF 2023.

UNDERGROUND UTILITIES NOTE:

THE SIZE & LOCATION, BOTH HORIZONTAL AND VERTICAL, OF THE UNDERGROUND UTILITIES SHOWN HEREON, HAVE BEEN OBTAINED BY A SEARCH OF AVAILABLE RECORDS. VERIFICATION BY FIELD OBSERVATION HAS BEEN CONDUCTED WHERE PRACTICAL. HOWEVER, RAFTER A., LTD DOES NOT GUARANTEE THE COMPLETENESS NOR ACCURACY THEREOF.

SWP3 AMENDMENT LOG

AMENDMENT NUMBER	DESCRIPTION OF AMENDMENT	AMENDMENT PREPARED BY	DATE

SWP3 CORRECTIVE ACTIONS LOG

INSPECTOR NAME INSPECTION DATE	DESCRIPTION OF CORRECTIVE ACTION NEEDED	CORRECTIVE ACTION TAKEN	DATE ACTION TAKEN

SWP3 GRADING AND STABILIZATION ACTIVITIES LOG

DATE OF ACTIVITY INITIATED	DATE ACTIVITY CEASED	DESCRIPTION OF ACTIVITY	DATE STABILIZATION MEASURE INITIATED	DESCRIPTION OF STABILIZATION MEASURE & LOCATION

CONTRACTOR & SUBCONTRACTOR SIGNATURE LIST

PRIOR TO BEGINNING CONSTRUCTION THE ANY/ALL CONTRACTORS AND/OR SUBCONTRACTORS THAT WILL PROVIDE SERVICES FOR IMPROVEMENT OF THE SITE AS SHOWN ON THE PLAN SET SHALL SIGN BELOW:

I (WE) UNDERSTAND OUR ROLE AND RESPONSIBILITY IN COMPLYING WITH THE STORM WATER POLLUTION PREVENTION PLAN.

COMPANY NAME & REPRESENTATIVE	TITLE	SIGNATURE	DATE

UNDERGROUND UTILITIES

Contact Two Working Days Before You Dig



OHIO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

A228701141-00A; A228701159-00A;
A228701221-00A; A228701207-00A

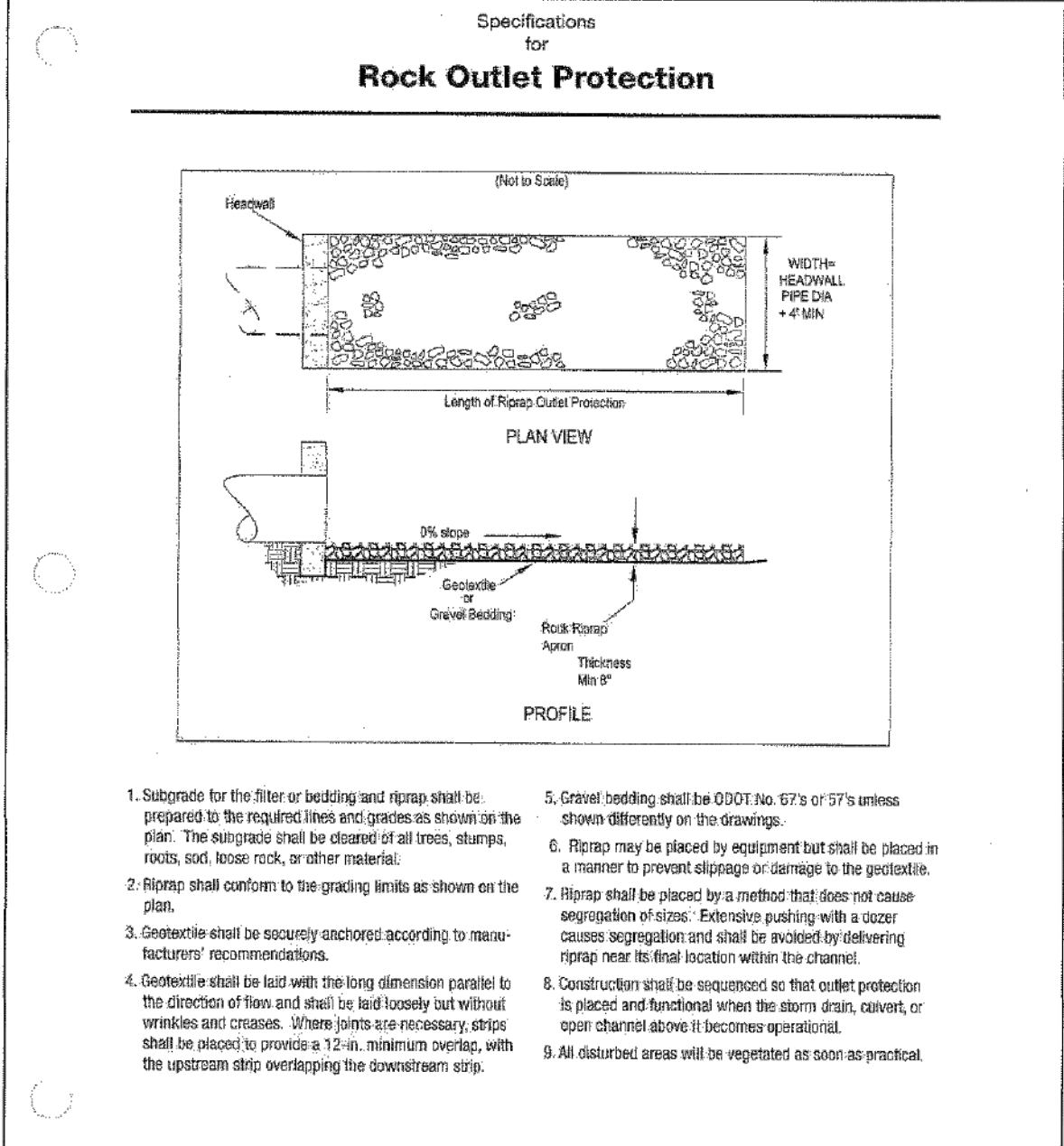
REV.	BY	DATE	DESCRIPTION
1	BDA	11-10-2023	ISSUE FOR CLIENT REVIEW
2	BDA	02-16-2024	ISSUE FOR CITY REVIEW
3	BDA	02-19-2024	ISSUE FOR CITY REVIEW



RAFTER A, LTD
LAND SURVEYING • ENGINEERING • TESTING
42653 Oberlin-Elyria Road, Oberlin, Ohio 44074
440-707-4014 • www.raftera.com • info@raftera.com

CITY OF NORTH RIDGEVILLE PARKS & RECREATION DEPARTMENT 7327 AVON BELDEN ROAD NORTH RIDGEVILLE, OHIO 44089	CITY OF NORTH RIDGEVILLE PARKS DEPARTMENT ROOT ROAD PARK PAVEMENT & SITE IMPROVEMENTS CONSTRUCTION STORM WATER POLLUTION PREVENTION NOTES & DETAILS 8949 ROOT ROAD, NORTH RIDGEVILLE, OHIO 44080
--	--

DRAWN BY: BDA	CHECKED BY: RAF
RAF JOB No: 3128-23	SHEET: C5.2



- Subgrade for the filter or bedding and riprap shall be prepared to the required lines and grades as shown on the plan. The subgrade shall be cleared of all trees, stumps, roots, sod, loose rock, or other material.
- Riprap shall conform to the grading limits as shown on the plan.
- Geotextile shall be securely anchored according to manufacturers' recommendations.
- Geotextile shall be laid with the long dimension parallel to the direction of flow and shall be laid loosely and without wrinkles and creases. Where joints are necessary, joints shall be placed to provide a 12-in. minimum overlap, with the upstream strip overlapping the downstream strip.
- Gravel bedding shall be ODOT No. 67's or 57's unless shown otherwise on the drawings.
- Riprap may be placed by equipment but shall be placed in a manner to prevent slippage or damage to the geotextile.
- Riprap shall be placed by a method that does not cause migration of fines. Excavator pushing with a tractor causes segregation and shall be avoided following riprap near its final location within the channel.
- Construction shall be sequenced so that outlet protection is placed and functional when the storm drain, culvert, or pipe channel above it becomes operational.
- All disturbed areas will be vegetated as soon as practical.

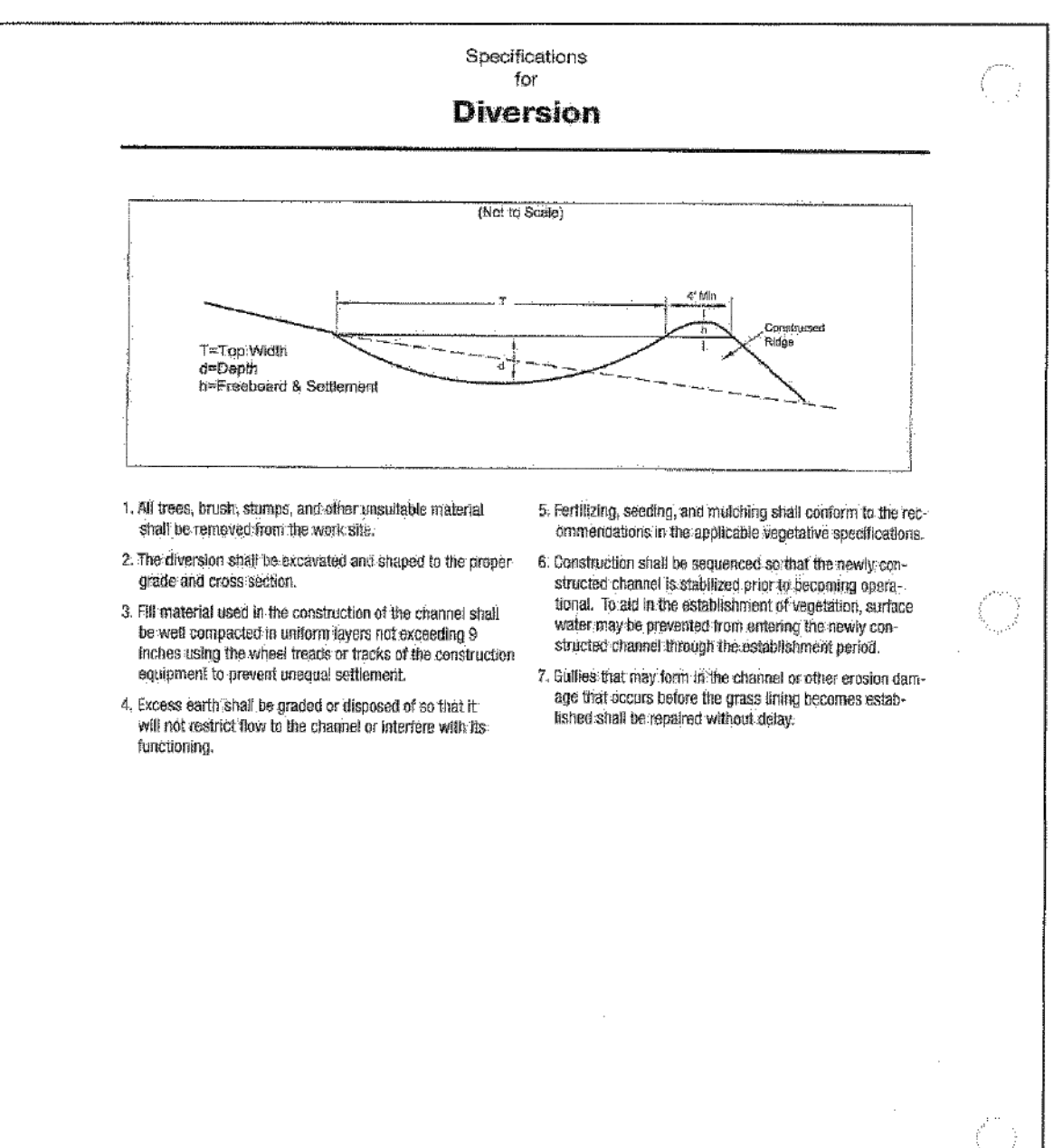
INFORMATION OBTAINED FROM THE 2006 EDITION OF THE STATE OF OHIO'S "RAINWATER AND LAND DEVELOPMENT MANUAL".

REV. NO. DATE BY DESCRIPTION
 CITY OF NORTH RIDGEVILLE, OHIO
 DEPARTMENT OF ENGINEERING

ROCK OUTLET PROTECTION

SCALE: NOT TO SCALE
 DATE: 10/01/08 | DRWN BY: JAB/TJB | SWP-7

Larry Sifflich
 CITY OF NORTH RIDGEVILLE, ENGINEER



- All trees, brush, stumps, and other unsuitable material shall be removed from the work site.
- The diversion shall be excavated and shaped to the proper grade and cross section.
- All material used in the construction of the channel shall be well compacted in uniform layers not exceeding 6 inches using the wheel tracks or tracks of the construction equipment to prevent unequal settlement.
- Excess earth shall be graded or disposed of so that it will not erode flow to the channel or interfere with its functioning.
- Fertilizing, seeding, and mulching shall conform to the recommendations in the applicable vegetative specifications.
- Construction shall be sequenced so that the newly constructed channel is stabilized prior to becoming operational. To aid in the establishment of vegetation, surface water may be prevented from entering the newly constructed channel through the establishment period.
- Grasses that may form in the channel or other erosion damage that occurs before the grass lining becomes established shall be repaired without delay.

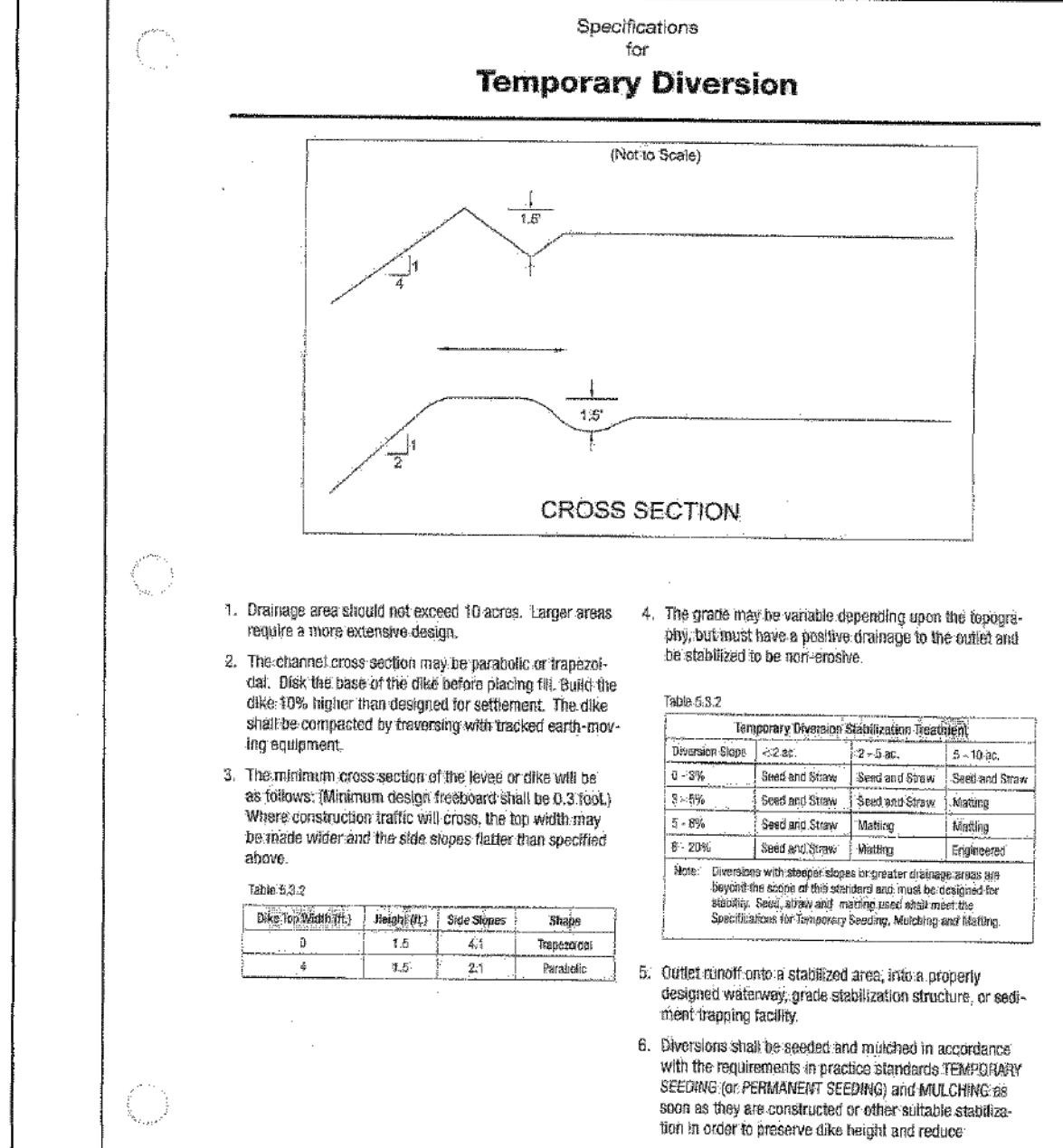
INFORMATION OBTAINED FROM THE 2006 EDITION OF THE STATE OF OHIO'S "RAINWATER AND LAND DEVELOPMENT MANUAL".

REV. NO. DATE BY DESCRIPTION
 CITY OF NORTH RIDGEVILLE, OHIO
 DEPARTMENT OF ENGINEERING

DIVERSION

SCALE: NOT TO SCALE
 DATE: 10/01/08 | DRWN BY: JAB/TJB | SWP-8

Larry Sifflich
 CITY OF NORTH RIDGEVILLE, ENGINEER



- Drainage area should not exceed 10 acres. Larger areas require a more extensive design.
- The channel cross section may be parabolic or trapezoidal. The base of the dike before placing fill shall be 10% higher than designed for settlement. The dike shall be compacted by heavy machinery with tracked earth-compacting equipment.
- The minimum cross section of the levee or dike will be as follows: Minimum design freeboard shall be 0.2 foot. Where construction traffic will cross, the top width may be made wider and the side slopes flatter than specified above.
- The grade may be variable depending upon the topography, but must have a positive drainage to the outlet and be stabilized to be non-erode.
- Outlet runoff onto a stabilized area, into a properly designed roadway, grade stabilization structure, or sediment trapping facility.
- Diversion shall be seeded and mulched in accordance with the requirements in practice standards TEMP/DIVY SEEDING (or PERMANENT SEEDING) and MULCHING as soon as they are constructed or other suitable establishment in order to preserve dike height and reduce erosion.

Table 5.5.2
 Dike Top Width (ft) | Height (ft) | Side Slopes | Shape
 2 | 1.5 | 4:1 | Trapezoidal
 4 | 1.5 | 2:1 | Parabolic

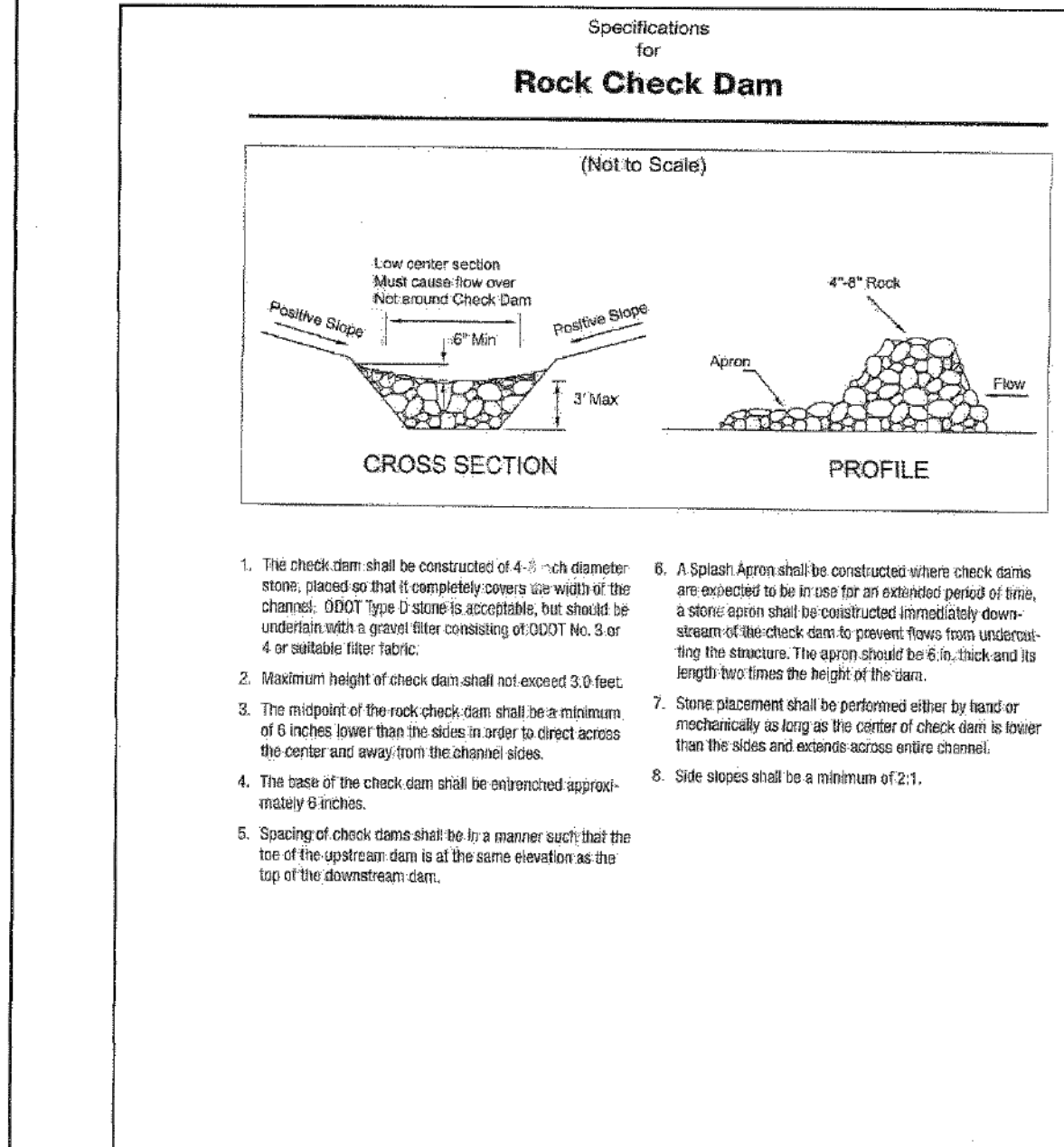
INFORMATION OBTAINED FROM THE 2006 EDITION OF THE STATE OF OHIO'S "RAINWATER AND LAND DEVELOPMENT MANUAL".

REV. NO. DATE BY DESCRIPTION
 CITY OF NORTH RIDGEVILLE, OHIO
 DEPARTMENT OF ENGINEERING

TEMPORARY DIVERSION

SCALE: NOT TO SCALE
 DATE: 10/01/08 | DRWN BY: JAB/TJB | SWP-9

Larry Sifflich
 CITY OF NORTH RIDGEVILLE, ENGINEER



- The check dam shall be constructed of 4-10 inch diameter stone, placed so that it completely covers the width of the channel. ODOT Type 3 stone is acceptable, but should be underlain with a gravel filter consisting of ODOT No. 5 or 4 or suitable filter fabric.
- Maximum height of check dam shall not exceed 3.0 feet.
- The midpoint of the rock check dam shall be a minimum of 6 inches lower than the sides in order to direct across the center and away from the channel sides.
- The base of the check dam shall be reinforced approximately 6 inches.
- Spacing of check dams shall be for a manner such that the top of the upstream dam is at the same elevation as the top of the downstream dam.
- A Splash Apron shall be constructed where check dams are erected to be in use for an extended period of time. A splash apron shall be constructed immediately downstream of the check dam to prevent flow from undercutting the structure. The apron should be 6 in. thick and its length two times the height of the dam.
- Stone placement shall be performed either by hand or mechanically as long as the center of check dam is lower than the sides and extends across entire channel.
- Side slopes shall be a minimum of 2:1.

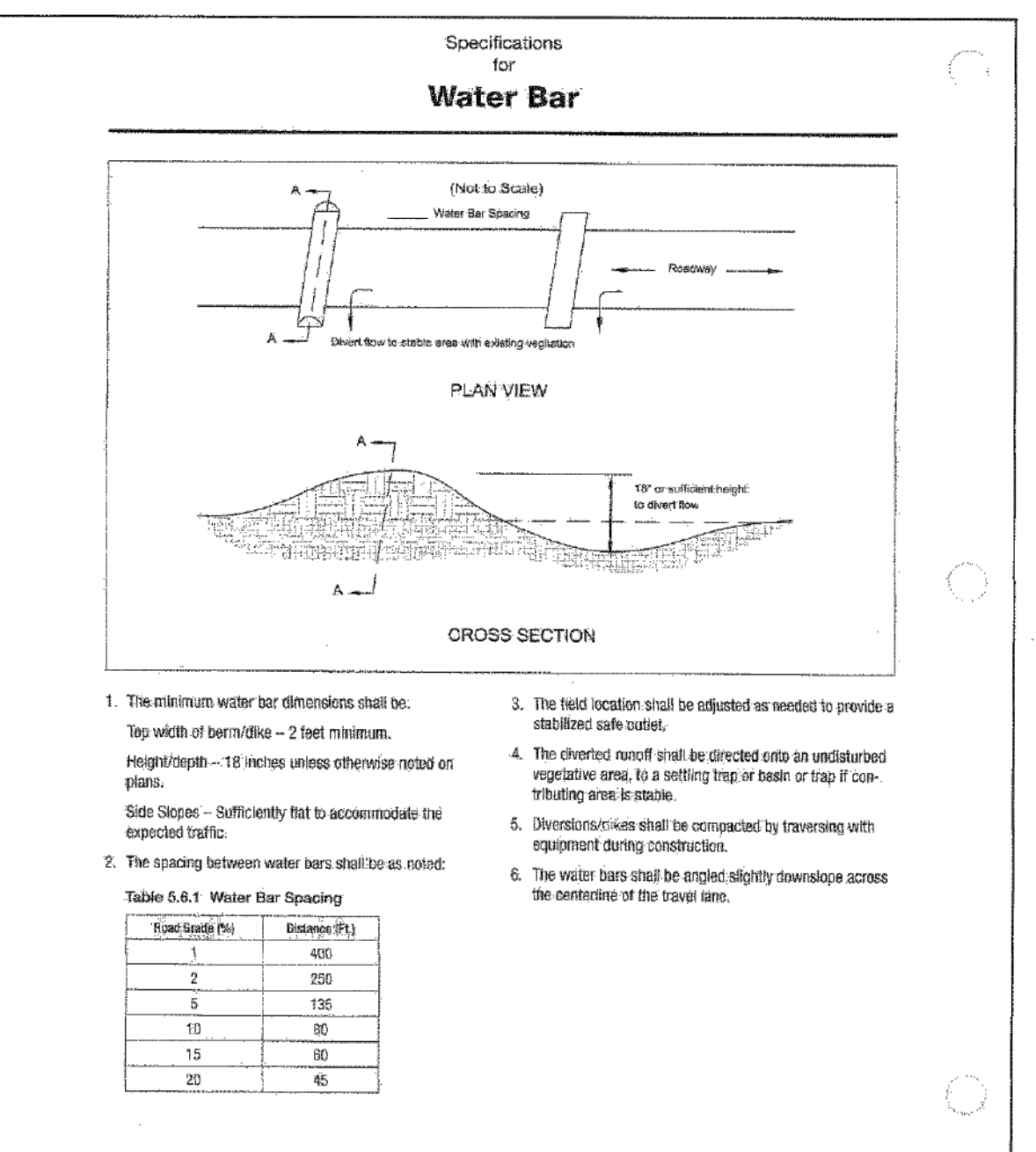
INFORMATION OBTAINED FROM THE 2006 EDITION OF THE STATE OF OHIO'S "RAINWATER AND LAND DEVELOPMENT MANUAL".

REV. NO. DATE BY DESCRIPTION
 CITY OF NORTH RIDGEVILLE, OHIO
 DEPARTMENT OF ENGINEERING

ROCK CHECK DAM

SCALE: NOT TO SCALE
 DATE: 10/01/08 | DRWN BY: JAB/TJB | SWP-10

Larry Sifflich
 CITY OF NORTH RIDGEVILLE, ENGINEER



- The minimum water bar dimensions shall be: Top width of berm/dike - 2 feet minimum. Height/dike - 18 inches unless otherwise noted on plans. Spacing - Sufficiently that to accommodate the expected traffic.
- The spacing between water bars shall be as noted.
- The field location shall be adjusted as needed to provide a stabilized safe outlet.
- The checked runoff shall be directed onto an undisturbed vegetative area, to a settling trap or basin or trap if contributing area is small.
- Diversion/slopes shall be compacted by traversing with equipment during construction.
- The water bars shall be angled slightly downslope across the centerline of the travel lane.

Table 5.6.1 Water Bar Spacing
 Flow Depth (ft) | Spacing (ft)
 1 | 400
 2 | 200
 3 | 130
 10 | 80
 15 | 80
 20 | 45

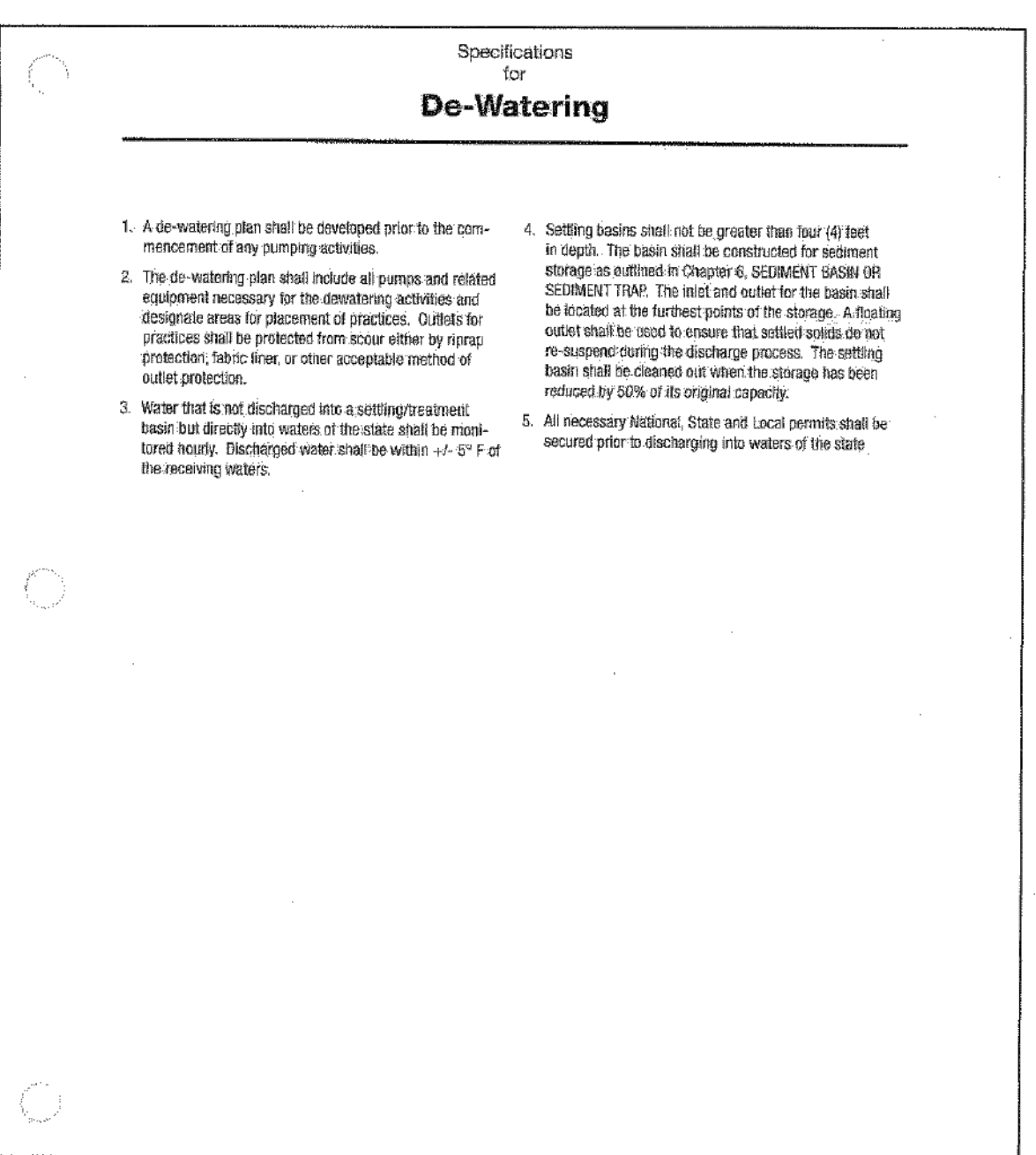
INFORMATION OBTAINED FROM THE 2006 EDITION OF THE STATE OF OHIO'S "RAINWATER AND LAND DEVELOPMENT MANUAL".

REV. NO. DATE BY DESCRIPTION
 CITY OF NORTH RIDGEVILLE, OHIO
 DEPARTMENT OF ENGINEERING

WATER BAR

SCALE: NOT TO SCALE
 DATE: 10/01/08 | DRWN BY: JAB/TJB | SWP-14

Larry Sifflich
 CITY OF NORTH RIDGEVILLE, ENGINEER



- A de-watering plan shall be developed prior to the commencement of any pumping activities.
- The de-watering plan shall include all pumps and related equipment necessary for the de-watering activities and designate areas for placement of practices. Outlets for practices shall be protected from scour either by riprap protection, fabric liner, or other acceptable method of outlet protection.
- Water that is not discharged into a settling/treatment basin but directly into waters of the state shall be monitored hourly. Discharged water shall be within +/- 0.1 F of the receiving waters.
- Settling basins shall not be greater than four (4) feet in depth. The basin shall be constructed for sediment storage as outlined in Chapter 6, SEDIMENT BASIN OR SEDIMENT TRAP. The inlet and outlet for the basin shall be located at the furthest points of the storage. A floating outlet shall be used to ensure that sediment does not re-suspend during the discharge process. The settling basin shall be cleaned out when the storage has been reduced by 50% of its original capacity.
- All necessary National, State and Local permits shall be secured prior to discharging into waters of the state.

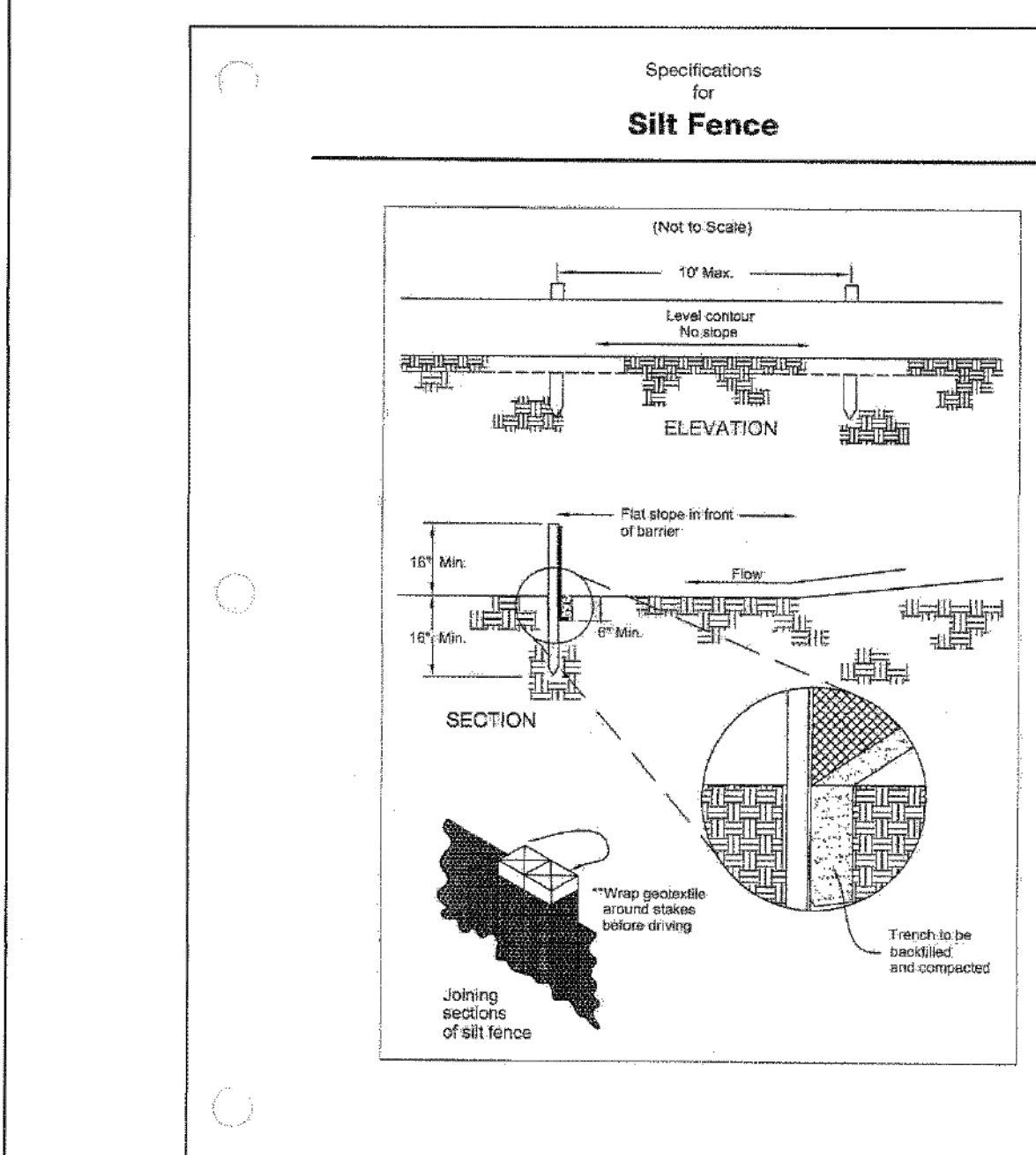
INFORMATION OBTAINED FROM THE 2006 EDITION OF THE STATE OF OHIO'S "RAINWATER AND LAND DEVELOPMENT MANUAL".

REV. NO. DATE BY DESCRIPTION
 CITY OF NORTH RIDGEVILLE, OHIO
 DEPARTMENT OF ENGINEERING

DE-WATERING

SCALE: NOT TO SCALE
 DATE: 10/01/08 | DRWN BY: JAB/TJB | SWP-15

Larry Sifflich
 CITY OF NORTH RIDGEVILLE, ENGINEER



- Silt fence shall be constructed before upstream land disturbance begins.
- 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 that may carry small concentrated flows to the silt fence are dissipated along its length.
- Grass of the silt fence shall be brought up slightly so that water ponded by the silt fence will be prevented from flowing around the ends.
- Silt fence shall be placed on the flattest area available.
- Where possible, vegetation shall be preserved for 5 feet or as much as possible upstage from the silt fence. If vegetation is removed, it shall be reestablished within 7 days from the installation of the silt fence.
- The height of the silt fence shall be a minimum of 16 inches above the original ground surface.
- The silt fence shall be placed in an excavated or silted trench cut a minimum of 6 inches deep. The trench shall be made with a trencher, cable laying machine, slicing machine, or other suitable device that will ensure an adequately uniform trench depth.
- The silt fence shall be placed with the stakes on the downstage side of the geotextile. A minimum of 8 inches of geotextile must be below the ground surface. Excess material shall lay on the bottom of the 6-inch deep trench. The trench shall be backfilled and compacted on both sides of the fabric.
- Silt fence fabric - See chart below.
- Seams between sections of silt fence shall be spliced together only at a support post with a minimum 5-in. overlap prior to driving into the ground. (See details).
- Maintenance - Silt fence shall allow water to pass only as diffuse flow through the geotextile. If runoff overtops the silt fence, flows under the fabric or around the fabric ends, or in any other way allows a concentrated flow discharge, one of the following shall be performed, as appropriate: 1) the layout of the silt fence shall be changed; 2) accumulated sediment shall be removed; or 3) other practices shall be installed.

Table 6.3.2 Minimum criteria for Silt Fence Fabric (ODOT 2002)

FABRIC PROPERTIES	VALUES	TEST METHOD
Minimum Tensile Strength	120 lbs (53.0 N)	ASTM D 4832
Minimum Elongation at 60 lbs	50%	ASTM D 4832
Minimum Tensile Strength	50 lbs (22.0 N)	ASTM D 4832
Minimum Tear Strength	40 lbs (17.8 N)	ASTM D 4832
Aperture Opening Size	≤ 0.84 mm	ASTM D 4751
Minimum Permeability	1X10 ⁻² sec ⁻¹	ASTM D 4491
UV Exposure Strength Retention	70%	ASTM G 4365

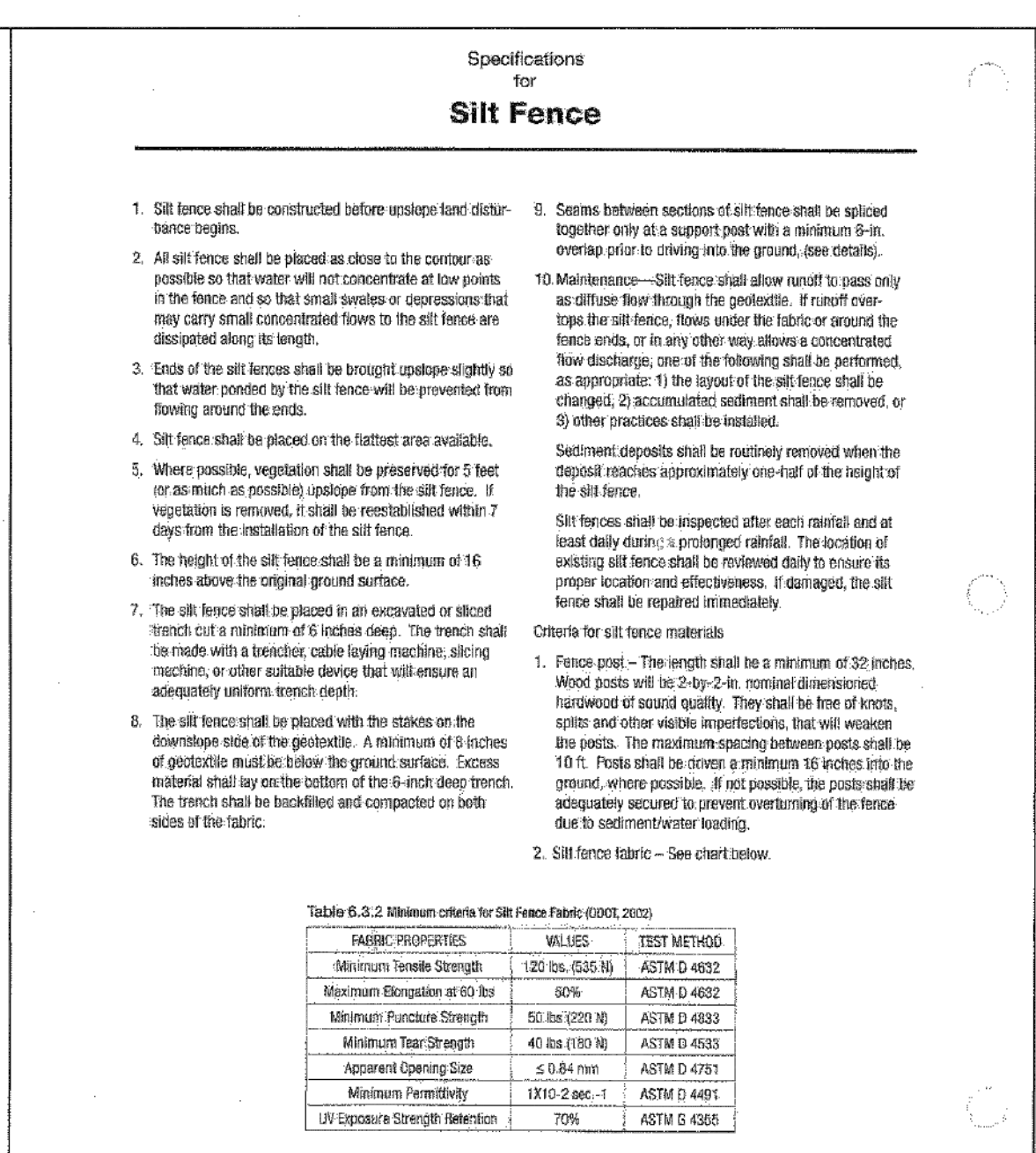
INFORMATION OBTAINED FROM THE 2006 EDITION OF THE STATE OF OHIO'S "RAINWATER AND LAND DEVELOPMENT MANUAL".

REV. NO. DATE BY DESCRIPTION
 CITY OF NORTH RIDGEVILLE, OHIO
 DEPARTMENT OF ENGINEERING

SILT FENCE

SCALE: NOT TO SCALE
 DATE: 10/01/08 | DRWN BY: JAB/TJB | SWP-18

Larry Sifflich
 CITY OF NORTH RIDGEVILLE, ENGINEER



INFORMATION OBTAINED FROM THE 2006 EDITION OF THE STATE OF OHIO'S "RAINWATER AND LAND DEVELOPMENT MANUAL".

REV. NO. DATE BY DESCRIPTION
 CITY OF NORTH RIDGEVILLE, OHIO
 DEPARTMENT OF ENGINEERING

SILT FENCE

SCALE: NOT TO SCALE
 DATE: 10/01/08 | DRWN BY: JAB/TJB | SWP-18

Larry Sifflich
 CITY OF NORTH RIDGEVILLE, ENGINEER

REV.	BY	DATE	DESCRIPTION
1	BDA	11-10-2023	ISSUE FOR CLIENT REVIEW
2	BDA	02-16-2024	ISSUE FOR CITY REVIEW
3	BDA	02-19-2024	ISSUE FOR CITY REVIEW

RAFTER A, LTD
 LAND SURVEYING • ENGINEERING • TESTING
 42653 Oberlin-Elyria Road, Oberlin, Ohio 44074
 440-707-4014 • www.raftera.com • info@raftera.com

CITY OF NORTH RIDGEVILLE
 PARKS & RECREATION DEPARTMENT
 7327 AVON BELDEN ROAD
 NORTH RIDGEVILLE, OHIO 44099

CITY OF NORTH RIDGEVILLE
 PARKS DEPARTMENT
 ROOT ROAD PARK PAVEMENT
 & SITE IMPROVEMENTS
 CONSTRUCTION STORM WATER POLLUTION
 PREVENTION NOTES & DETAILS
 8949 ROOT ROAD, NORTH RIDGEVILLE, OHIO 44090

DRAWN BY: BDA
 CHECKED BY: RAF
 RAF JOB NO: 3128-23

SHEET: C5.3

Specifications for Excavated Drop Inlet Sediment Protection

- The excavated trap should be sized to provide a minimum storage capacity calculated at the rate of 1.35 cubic yards for one (1) acre of drainage area. A trap should be no less than one (1) foot, nor more than two (2) feet deep measured from the top of the inlet structure. Side slopes should not be steeper than 2:1.
- The slopes of the trap may vary to fit the drainage area and terrain.
- Where the area receives concentrated flows, such as in a highway median, provide the trap with a slope having a 2:1 ratio of length to width, with the length oriented in the direction of the flow.
- Sediment should be removed and the trap restored to the original depth when the sediment has accumulated to 40% the design depth of the trap. Removed sediment should be spread in a suitable area and stabilized so it will not erode.
- During final grading, the inlet should be protected with geotextile stone sheet piling. Once final grading is achieved, sod or a suitable temporary erosion control measure shall be implemented to protect the area until permanent vegetation is established.

INFORMATION OBTAINED FROM THE 2006 EDITION OF THE STATE OF OHIO'S "RAINWATER AND LAND DEVELOPMENT MANUAL".

REV. No.	DATE	BY	DESCRIPTION

CITY OF NORTH RIDGEVILLE, OHIO
DEPARTMENT OF ENGINEERING

EXCAVATED DROP INLET SEDIMENT PROTECTION

SCALE: NOT TO SCALE
DATE: 10/01/08
DRAWN BY: JAB/TEB
SWP-19

Larry Sufferlin
CITY OF NORTH RIDGEVILLE, ENGINEER

Specifications for Geotextile-Stone Inlet Protection

- Inlet protection shall be constructed either before topsoil level disturbance begins or before the inlet becomes functional.
- Geotextile and/or wire materials shall be placed over the top of the storm sewer and approximately six (6) inches of 2-inch or smaller clean aggregate placed on top. Extra support for geotextile is provided by placing hardware
- Maintenance must be performed regularly, especially after storm events. When digging of the stone or geotextile occurs, the material must be removed and replaced.
- stone or wire mesh across the inlet cover. The wire should be no larger than 1/2" mesh and should extend on each 12 inches across the top and sides of the inlet cover.

INFORMATION OBTAINED FROM THE 2006 EDITION OF THE STATE OF OHIO'S "RAINWATER AND LAND DEVELOPMENT MANUAL".

REV. No.	DATE	BY	DESCRIPTION

CITY OF NORTH RIDGEVILLE, OHIO
DEPARTMENT OF ENGINEERING

GEOTEXTILE-STONE INLET PROTECTION

SCALE: NOT TO SCALE
DATE: 10/01/08
DRAWN BY: JAB/TEB
SWP-20

Larry Sufferlin
CITY OF NORTH RIDGEVILLE, ENGINEER

Specifications for Block and Gravel Drop Inlet Filter

- Place 4-inch by 8-inch by 12-inch concrete blocks lengthwise on their sides in a single row around the perimeter of the inlet, with the ends of adjacent blocks abutting. The height of the barrier can be varied, depending upon the design needs, by stacking combinations of the same size blocks. The barrier of blocks should be at least 12-inches high but no greater than 24-inches high.
- Wire mesh should be placed over the outside vertical face (webbing) of the concrete blocks to prevent stones from being washed through the block cores. Hardware cloth or comparable wire mesh with 1/2-inch openings should be used.
- Two-inch stone should be piled against the wire to the top of the block barrier, 48 stones below.
- If the stone filter becomes clogged with sediment, so that it no longer adequately performs its function, fill stone away from the blocks, clean and/or replace.

INFORMATION OBTAINED FROM THE 2006 EDITION OF THE STATE OF OHIO'S "RAINWATER AND LAND DEVELOPMENT MANUAL".

REV. No.	DATE	BY	DESCRIPTION

CITY OF NORTH RIDGEVILLE, OHIO
DEPARTMENT OF ENGINEERING

BLOCK AND GRAVEL DROP INLET FILTER

SCALE: NOT TO SCALE
DATE: 10/01/08
DRAWN BY: JAB/TEB
SWP-23

Larry Sufferlin
CITY OF NORTH RIDGEVILLE, ENGINEER

Specifications for Filter Berm

- Materials - Compost used for filter berms 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 1/4" to 3/8".
- Installation - Filter berms will be placed on a level line across slopes, generally parallel to the base of the slope or other affected areas. On slopes approaching 2:1, additional berms shall be provided at the top and as needed mid-slope.
- Maintenance - Inspect filter berms after each significant rain, maintaining the berms in a functional condition at all times. Remove sediments collected at the base of the filter berms when they reach 1/3 of the exposed height of the practice. Where the filter berm deteriorates or fails it will be repaired or replaced with a more effective alternative.
- Removal - Filter berms no longer needed will be dispersed on site in a manner that will facilitate seeding or in runoff channels.

INFORMATION OBTAINED FROM THE 2006 EDITION OF THE STATE OF OHIO'S "RAINWATER AND LAND DEVELOPMENT MANUAL".

REV. No.	DATE	BY	DESCRIPTION

CITY OF NORTH RIDGEVILLE, OHIO
DEPARTMENT OF ENGINEERING

FILTER BERM

SCALE: NOT TO SCALE
DATE: 10/01/08
DRAWN BY: JAB/TEB
SWP-24

Larry Sufferlin
CITY OF NORTH RIDGEVILLE, ENGINEER

Specifications for Filter Sock

- 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".
- Filter Socks shall be 5 or 5 mil continuous, tubular, HDPE 3/8" knitted mesh netting material, filled with compost meeting the above specifications for compost products.
- Filter socks will be placed on a level line across slopes, generally parallel to the base of the slope or other affected areas. On slopes approaching 2:1, additional socks shall be provided at the top and as needed mid-slope.
- 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.
- Filter Socks are not to be used in concentrated flow situations or in runoff channels.
- Maintenance - Routinely inspect filter socks after each significant rain, maintaining filter socks in a functional condition at all times.
- Remove sediments collected at the base of the filter socks when they reach 1/3 of the exposed height of the practice.
- Where the filter sock deteriorates or fails, it will be repaired or replaced with a more effective alternative.
- Removal - Filter socks will be dispersed on site when no longer required in such a way as to facilitate seed not obstruct seedlings.

INFORMATION OBTAINED FROM THE 2006 EDITION OF THE STATE OF OHIO'S "RAINWATER AND LAND DEVELOPMENT MANUAL".

REV. No.	DATE	BY	DESCRIPTION

CITY OF NORTH RIDGEVILLE, OHIO
DEPARTMENT OF ENGINEERING

FILTER SOCK

SCALE: NOT TO SCALE
DATE: 10/01/08
DRAWN BY: JAB/TEB
SWP-25

Larry Sufferlin
CITY OF NORTH RIDGEVILLE, ENGINEER

Specifications for Tree and Natural Area Preservation

- Tree and natural area preservation shall be fenced prior to beginning clearing operations.
- Fence materials shall be metal fence posts with two strands of high tensile wire, plastic fence or spool fence.
- Signage shall clearly identify the tree and natural preservation area, and state that no clearing or equipment is allowed within it.
- Fence shall be placed as shown on plans and beyond the drip line or canopy of trees to be protected.
- If any clearing is done around specimen trees it shall be done by cutting at ground level with hand held tools and shall not be grubbed or pulled out. No clearing shall be done in buffer strips or other preserved forest areas.
- If any clearing is done around specimen trees it shall be done by cutting at ground level with hand held tools and shall not be grubbed or pulled out. No clearing shall be done in buffer strips or other preserved forest areas.
- No filling or stockpiling of materials shall occur within the tree protection area, including deposition of sediment.

INFORMATION OBTAINED FROM THE 2006 EDITION OF THE STATE OF OHIO'S "RAINWATER AND LAND DEVELOPMENT MANUAL".

REV. No.	DATE	BY	DESCRIPTION

CITY OF NORTH RIDGEVILLE, OHIO
DEPARTMENT OF ENGINEERING

TREE AND NATURAL AREA PRESERVATION

SCALE: NOT TO SCALE
DATE: 10/01/08
DRAWN BY: JAB/TEB
SWP-26

Larry Sufferlin
CITY OF NORTH RIDGEVILLE, ENGINEER

Specifications for Construction Entrance

- Stone Size - LOGS # 2 (1.5-2.5 inch stone) shall be used, or recycled concrete equivalent.
- Length - The Construction entrance shall be as long as required to stabilize high traffic roads but not less than 70 ft. (exception apply 30 ft. minimum to single residence lots).
- Thickness - The stone layer shall be at least 6 inches thick for light duty entrances or at least 10 inches for heavy duty use.
- Width - The entrance shall be at least 14 feet wide, but not less than the full width of points where ingress or egress occurs.
- Geotextile - A geotextile shall be laid over the entire area prior to placing stone. It shall be composed of strong non-woven polymeric fibers and meet the following specifications:

Geotextile Specifications for Construction Entrance	
Minimum Tensile Strength	200 lbs.
Minimum Puncture Strength	50 psi
Minimum Tear Strength	50 lbs.
Minimum Burst Strength	200 psi.
Minimum Elongation	25%
Equivalent Opening Size	EQS < 0.8 mm.
Permeability	1 x 10 ⁻³ cm/sec.

- Timing - The construction entrance shall be installed as soon as is practicable before major grading activities.
- Drivert - A pipe or culvert shall be constructed under the entrance if needed to prevent surface water from flowing across the entrance or to prevent runoff from being directed onto the paved surface.
- Water Bar - A water bar shall be constructed as part of the construction entrance if needed to prevent surface runoff from flowing the length of the construction entrance and out onto paved surfaces.
- Maintenance - Top dressing of additional stone shall be applied as conditions demand. Mud spillover, droppings, washed or tracked onto public roads, or any surface where runoff is not checked by sediment controls, shall be removed immediately. Removal shall be accomplished by scraping or sweeping.
- Construction entrances shall not be relied upon to remove mud from vehicles and prevent off-site tracking. Vehicles that enter and leave the construction-site shall be restricted from muddy areas.
- Removal - The entrance shall remain in place until the disturbed area is stabilized or replaced with a permanent roadway or entrance.

INFORMATION OBTAINED FROM THE 2006 EDITION OF THE STATE OF OHIO'S "RAINWATER AND LAND DEVELOPMENT MANUAL".

REV. No.	DATE	BY	DESCRIPTION

CITY OF NORTH RIDGEVILLE, OHIO
DEPARTMENT OF ENGINEERING

CONSTRUCTION ENTRANCE

SCALE: NOT TO SCALE
DATE: 10/01/08
DRAWN BY: JAB/TEB
SWP-27

Larry Sufferlin
CITY OF NORTH RIDGEVILLE, ENGINEER

Specifications for Construction Entrance

- Materials - Compost used for filter berms 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 1/4" to 3/8".
- Installation - Filter berms will be placed on a level line across slopes, generally parallel to the base of the slope or other affected areas. On slopes approaching 2:1, additional berms shall be provided at the top and as needed mid-slope.
- Maintenance - Inspect filter berms after each significant rain, maintaining the berms in a functional condition at all times. Remove sediments collected at the base of the filter berms when they reach 1/3 of the exposed height of the practice. Where the filter berm deteriorates or fails it will be repaired or replaced with a more effective alternative.
- Removal - Filter berms no longer needed will be dispersed on site in a manner that will facilitate seeding or in runoff channels.

INFORMATION OBTAINED FROM THE 2006 EDITION OF THE STATE OF OHIO'S "RAINWATER AND LAND DEVELOPMENT MANUAL".

REV. No.	DATE	BY	DESCRIPTION

CITY OF NORTH RIDGEVILLE, OHIO
DEPARTMENT OF ENGINEERING

CONSTRUCTION ENTRANCE

SCALE: NOT TO SCALE
DATE: 10/01/08
DRAWN BY: JAB/TEB
SWP-27

Larry Sufferlin
CITY OF NORTH RIDGEVILLE, ENGINEER

RAFTER A, LTD
LAND SURVEYING - ENGINEERING - TESTING
42653 Oberlin-Elyria Road, Oberlin, Ohio 44074
440-707-4014 - www.raftera.com - info@raftera.com

CITY OF NORTH RIDGEVILLE
PARKS & RECREATION DEPARTMENT
7327 AVON BELDEN ROAD
NORTH RIDGEVILLE, OHIO 44099

CITY OF NORTH RIDGEVILLE
PARKS DEPARTMENT
ROOT ROAD PARK PAVEMENT
& SITE IMPROVEMENTS
CONSTRUCTION STORM WATER POLLUTION
PREVENTION NOTES & DETAILS
8949 ROOT ROAD, NORTH RIDGEVILLE, OHIO 44090

DRAWN BY: BDA
CHECKED BY: RAF
RAF JOB No: 3128-23

REV.	BY	DATE	DESCRIPTION
1	BDA	11-10-2023	ISSUE FOR CLIENT REVIEW
2	BDA	02-16-2024	ISSUE FOR CITY REVIEW
3	BDA	02-19-2024	ISSUE FOR CITY REVIEW

Specifications
for
Geotextile - Stone Inlet Protection

INFORMATION OBTAINED FROM THE 2006 EDITION OF THE STATE OF OHIO'S "RAINWATER AND LAND DEVELOPMENT MANUAL".

REV. NO.	DATE	BY	DESCRIPTION

CITY OF NORTH RIDGEVILLE, OHIO
DEPARTMENT OF ENGINEERING

GEOTEXTILE-STONE INLET PROTECTION

SCALE: NOT TO SCALE
DATE: 10/01/08 | DRAWN BY: JAB/TEB | SWP-21

Laury Siffel
CITY OF NORTH RIDGEVILLE, ENGINEER

Specifications
for
Geotextile-Stone Inlet Protection for Curb Inlets

- Inlet protection shall be constructed either before upslope land disturbance begins or before the wet becomes functional.
- Construct a wooden frame of 2-by-4-in. construction-grade lumber. The end spacers shall be a minimum of 1 ft. beyond both ends of the throat opening. The anchors shall be nailed to 2-by-4-in. stakes driven on the opposite side of the curb.
- The wire mesh shall be of sufficient strength to support heavy soil stones. It shall be a continuous piece with a minimum width of 30 in. and 4 ft. longer than the throat length of the inlet, 2 ft. on each side.
- (6-month) cloth shall have an equivalent opening size (6-10) of 20-40 stones and be resistant to sunlight. It shall be at least the same size as the wire mesh.
- The wire mesh and geotextile cloth shall be formed to the concrete gutter and against the face of the curb on both sides of the inlet and securely fastened to the 2-by-4-in. frame.
- Two-inch stones shall be placed over the wire mesh and geotextile in such a manner as to prevent water from entering the inlet or around the geotextile cloth.
- This type of protection must be inspected frequently and the above and/or geotextile replaced when clogged with sediment.

NOTE:
NOT TO BE USED DURING SNOW PLOWING SEASON.

INFORMATION OBTAINED FROM THE 2006 EDITION OF THE STATE OF OHIO'S "RAINWATER AND LAND DEVELOPMENT MANUAL".

REV. NO.	DATE	BY	DESCRIPTION

CITY OF NORTH RIDGEVILLE, OHIO
DEPARTMENT OF ENGINEERING

GEOTEXTILE-STONE INLET PROTECTION FOR CURB INLETS

SCALE: NOT TO SCALE
DATE: 10/01/08 | DRAWN BY: JAB/TEB | SWP-22

Laury Siffel
CITY OF NORTH RIDGEVILLE, ENGINEER

Concrete Washout Areas

Installation:

- Concrete wash water shall not be allowed to flow to streams, ditches, storm drains, or any other water conveyance and washout pits shall be situated a minimum of fifty (50) feet from them.
- Field tile or other subsurface drainage structures within 10 ft. of the sump shall be cut and plugged.
- Ensure a stable path is provided for concrete trucks to reach the washout area.
- A highly visible sign that reads "Concrete Washout Area" shall be erected adjacent to the washout pit.
- Surface runoff generated from uplope areas shall be diverted away from below-grade washout pits so as not to flow into them.
- A single centralized washout area may be utilized for multiple sublots.

Maintenance:

- The washout pit must be inspected frequently to ensure the liner is intact.
- Once 75% of the original volume of the washout pit is filled or if the liner is torn, the material must be removed and properly disposed of once it is completely hardened. Once the hardened concrete is removed, the liner must be replaced (if torn). A new pit must be constructed if the original structure is no longer suitable.

Removal:

- Once the washout pit is no longer needed, ensure all washout material has completely hardened, then remove and properly dispose of all materials. If straw bales were used, they can be spread as mulch.
- Prefabricated containers specifically designed for concrete washout collection may be used subject to prior approval by the Community Engineer. Follow the manufacturer's suggestions for installation, maintenance and removal procedures.

Sizing of Concrete Washout Pits

Below-grade (3-ft depth)			Above-grade (2-ft depth)		
# of concrete trucks expected to be washed out on site*	Width (ft)	Length (ft)	# of concrete trucks expected to be washed out on site*	Width (ft)	Length (ft)
2-3	3	3	2	3	3
4-5	4	4	3-4	4	4
6-7	5	5	5-6	5	5
8-10	6	6	7-8	6	6
11-14	7	7	9-11	7	7
			12-15	8	8

*For small projects using a maximum of only one truckload of concrete or utilizing on-site mixing, rinsing of equipment may take place on the lot without a pit, provided it can be done a minimum of fifty (50) feet away from any water conveyances.

CONCRETE WASHOUT

SCALE: NOT TO SCALE
DATE: 10/01/08 | DRAWN BY: JAB/TEB | SWP-33

Laury Siffel
CITY OF NORTH RIDGEVILLE, ENGINEER

REV. 1	DATE: 11-10-2023	BY: BDA	DESCRIPTION: ISSUE FOR CLIENT REVIEW
2	DATE: 02-16-2024	BY: BDA	DESCRIPTION: ISSUE FOR CITY REVIEW
3	DATE: 02-19-2024	BY: BDA	DESCRIPTION: ISSUE FOR CITY REVIEW

CONCRETE WASHOUT

SCALE: NOT TO SCALE
DATE: 10/01/08 | DRAWN BY: JAB/TEB | SWP-33

Laury Siffel
CITY OF NORTH RIDGEVILLE, ENGINEER

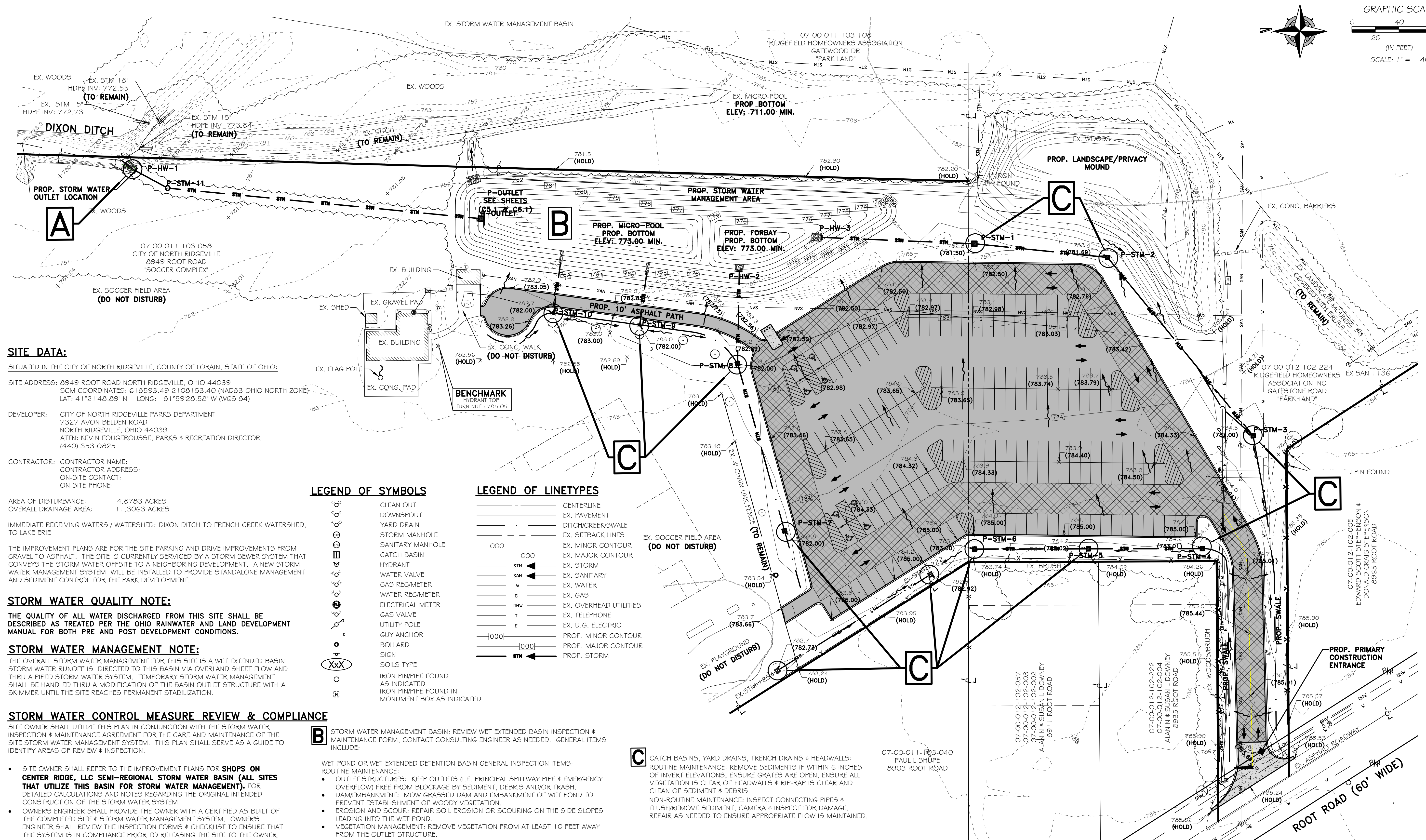
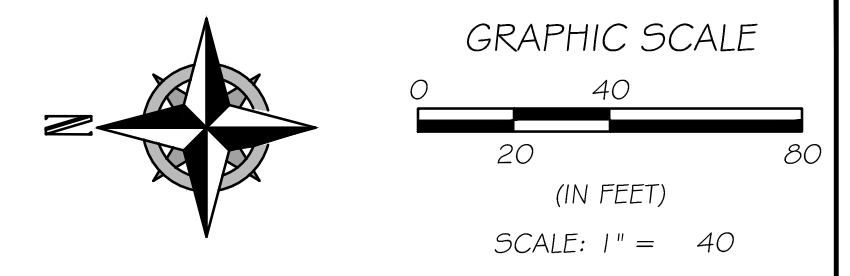
RAFTER A, LTD
LAND SURVEYING • ENGINEERING • TESTING
42663 Oberlin-Elyria Road, Oberlin, Ohio 44074
440-707-4014 • www.raftera.com • info@raftera.com

CITY OF NORTH RIDGEVILLE
PARKS & RECREATION DEPARTMENT
7327 AVON BELDEN ROAD
NORTH RIDGEVILLE, OHIO 44089

CITY OF NORTH RIDGEVILLE
PARKS DEPARTMENT
ROOT ROAD PARK PAVEMENT
& SITE IMPROVEMENTS
CONSTRUCTION STORM WATER POLLUTION
PREVENTION NOTES & DETAILS
8949 ROOT ROAD, NORTH RIDGEVILLE, OHIO 44080

DRAWN BY: BDA
CHECKED BY: RAF
RAF JOB No: 3128-23

SHEET: **C5.5**



SITE DATA:
 SITUATED IN THE CITY OF NORTH RIDGEVILLE, COUNTY OF LORAIN, STATE OF OHIO:
 SITE ADDRESS: 8949 ROOT ROAD NORTH RIDGEVILLE, OHIO 44039
 SCM COORDINATES: 618593.49 2108153.40 (NAD83 OHIO NORTH ZONE)
 LAT: 41°21'48.89" N LONG: 81°59'28.58" W (WGS 84)
 DEVELOPER: CITY OF NORTH RIDGEVILLE PARKS DEPARTMENT
 7327 AVON BELDEN ROAD
 NORTH RIDGEVILLE, OHIO 44039
 ATTN: KEVIN FOUGEROUSSE, PARKS & RECREATION DIRECTOR
 (440) 353-0825
 CONTRACTOR: CONTRACTOR NAME:
 CONTRACTOR ADDRESS:
 ON-SITE CONTACT:
 ON-SITE PHONE:

AREA OF DISTURBANCE: 4.8783 ACRES
 OVERALL DRAINAGE AREA: 11.3063 ACRES
 IMMEDIATE RECEIVING WATERS / WATERSHED: DIXON DITCH TO FRENCH CREEK WATERSHED, TO LAKE ERIE
 THE IMPROVEMENT PLANS ARE FOR THE SITE PARKING AND DRIVE IMPROVEMENTS FROM GRAVEL TO ASPHALT. THE SITE IS CURRENTLY SERVICED BY A STORM SEWER SYSTEM THAT CONVEYS THE STORM WATER OFFSITE TO A NEIGHBORING DEVELOPMENT. A NEW STORM WATER MANAGEMENT SYSTEM WILL BE INSTALLED TO PROVIDE STANDALONE MANAGEMENT AND SEDIMENT CONTROL FOR THE PARK DEVELOPMENT.

STORM WATER QUALITY NOTE:
 THE QUALITY OF ALL WATER DISCHARGED FROM THIS SITE SHALL BE DESCRIBED AS TREATED PER THE OHIO RAINWATER AND LAND DEVELOPMENT MANUAL FOR BOTH PRE AND POST DEVELOPMENT CONDITIONS.

STORM WATER MANAGEMENT NOTE:
 THE OVERALL STORM WATER MANAGEMENT FOR THIS SITE IS A WET EXTENDED BASIN STORM WATER RUNOFF IS DIRECTED TO THIS BASIN VIA OVERLAND SHEET FLOW AND THRU A PIPED STORM WATER SYSTEM. TEMPORARY STORM WATER MANAGEMENT SHALL BE HANDLED THRU A MODIFICATION OF THE BASIN OUTLET STRUCTURE WITH A SKIMMER UNTIL THE SITE REACHES PERMANENT STABILIZATION.

STORM WATER CONTROL MEASURE REVIEW & COMPLIANCE
 SITE OWNER SHALL UTILIZE THIS PLAN IN CONJUNCTION WITH THE STORM WATER INSPECTION & MAINTENANCE AGREEMENT FOR THE CARE AND MAINTENANCE OF THE SITE STORM WATER MANAGEMENT SYSTEM. THIS PLAN SHALL SERVE AS A GUIDE TO IDENTIFY AREAS OF REVIEW & INSPECTION.

- SITE OWNER SHALL REFER TO THE IMPROVEMENT PLANS FOR **SHOPS ON CENTER RIDGE, LLC SEMI-REGIONAL STORM WATER BASIN (ALL SITES THAT UTILIZE THIS BASIN FOR STORM WATER MANAGEMENT)**. FOR DETAILED CALCULATIONS AND NOTES REGARDING THE ORIGINAL INTENDED CONSTRUCTION OF THE STORM WATER SYSTEM.
- OWNER'S ENGINEER SHALL PROVIDE THE OWNER WITH A CERTIFIED AS-BUILT OF THE COMPLETED SITE & STORM WATER MANAGEMENT SYSTEM. OWNER'S ENGINEER SHALL REVIEW THE INSPECTION FORMS & CHECKLIST TO ENSURE THAT THE SYSTEM IS IN COMPLIANCE PRIOR TO RELEASING THE SITE TO THE OWNER. DEFICIENCIES SHALL BE CORRECTED PRIOR TO OWNERSHIP ACCEPTANCE.
- THE OWNER SHALL MAINTAIN INSPECTION REPORTS. THE REPORTS SHALL INCLUDE THE FOLLOWING:

A P-OUTLET: CLEAR DEBRIS FROM STRUCTURE, CHECK ORIFICES, REMOVE SEDIMENTS IF WITHIN 6-INCHES OF LOWEST ORIFICE ELEVATION

LEGEND OF SYMBOLS

- CLEAN OUT
- DOWNSPOUT
- YARD DRAIN
- STORM MANHOLE
- SANITARY MANHOLE
- CATCH BASIN
- HYDRANT
- WATER VALVE
- GAS REG/METER
- WATER REG/METER
- ELECTRICAL METER
- GAS VALVE
- UTILITY POLE
- GUY ANCHOR
- BOLLARD
- SIGN
- SOILS TYPE
- IRON PIPE FOUND AS INDICATED
- IRON PIPE FOUND IN MONUMENT BOX AS INDICATED

LEGEND OF LINETYPES

- CENTERLINE
- EX. PAVEMENT
- DITCH/CREEK/SWALE
- EX. SETBACK LINES
- EX. MINOR CONTOUR
- EX. MAJOR CONTOUR
- EX. STORM
- EX. SANITARY
- EX. WATER
- EX. GAS
- EX. OVERHEAD UTILITIES
- EX. TELEPHONE
- EX. U.G. ELECTRIC
- PROP. MINOR CONTOUR
- PROP. MAJOR CONTOUR
- PROP. STORM

B STORM WATER MANAGEMENT BASIN: REVIEW WET EXTENDED BASIN INSPECTION & MAINTENANCE FORM, CONTACT CONSULTING ENGINEER AS NEEDED. GENERAL ITEMS INCLUDE:

- WET POND OR WET EXTENDED DETENTION BASIN GENERAL INSPECTION ITEMS: ROUTINE MAINTENANCE:
- OUTLET STRUCTURES: KEEP OUTLETS (I.E. PRINCIPAL SPILLWAY PIPE & EMERGENCY OVERFLOW) FREE FROM BLOCKAGE BY SEDIMENT, DEBRIS AND/OR TRASH.
 - DAM/EMBANKMENT: MOW GRASSSED DAM AND EMBANKMENT OF WET POND TO PREVENT ESTABLISHMENT OF WOODY VEGETATION.
 - EROSION AND SCOUR: REPAIR SOIL EROSION OR SCOURING ON THE SIDE SLOPES LEADING INTO THE WET POND.
 - VEGETATION MANAGEMENT: REMOVE VEGETATION FROM AT LEAST 10 FEET AWAY FROM THE OUTLET STRUCTURE.
 - SEDIMENT AND DEBRIS: REMOVE ACCUMULATED SEDIMENT, DEBRIS AND TRASH FROM THE WET POND AREA. REMOVE SEDIMENTS WHEN THE POOL VOLUME HAS BECOME SIGNIFICANTLY REDUCED OR THE POND BEGINS TO BECOME EUTROPHIC.
- NON-ROUTINE MAINTENANCE:
- EXCESSIVE SEDIMENT: REMOVE SEDIMENT ACCUMULATION FROM THE AREA PRIOR TO 25% OF THE PONDING STORAGE VOLUME BEING LOST WITHIN THE WET POND.
 - INVASIVE VEGETATION: TREAT AND REMOVE INVASIVE VEGETATION FROM PONDING AREA, SIDE SLOPES AND EMERGENCY SPILLWAY.
 - OUTLET STRUCTURE: REPAIR OR REPLACE DAMAGED OUTLET STRUCTURE.
 - EROSION PROTECTION: REPAIR OR REPLACE RIP-RAP, FILTER FABRIC AND/OR No. 4 LIMESTONE AT PIPE INLETS/PIPE OUTLETS.
 - DAM/EMBANKMENT AREAS: SEEK PROFESSIONAL CONSULTATION IF SEEPAGE, LEAKS OR EROSION IS DISCOVERED ON THE DAM OR EMBANKMENT OF THE WET POND.

C CATCH BASINS, YARD DRAINS, TRENCH DRAINS & HEADWALLS: ROUTINE MAINTENANCE: REMOVE SEDIMENTS IF WITHIN 6 INCHES OF INVERT ELEVATIONS, ENSURE GRATES ARE OPEN, ENSURE ALL VEGETATION IS CLEAR OF HEADWALLS & RIP-RAP IS CLEAR AND CLEAN OF SEDIMENT & DEBRIS. NON-ROUTINE MAINTENANCE: INSPECT CONNECTING PIPES & FLUSH/REMOVE SEDIMENT, CAMERA & INSPECT FOR DAMAGE, REPAIR AS NEEDED TO ENSURE APPROPRIATE FLOW IS MAINTAINED.

ON-SITE STORM WATER CONTROL MEASURES
SCM-1: STORMWATER BASIN
 SCM COORDINATES: N: 618554.08 E: 2108383.44 (NAD83 OHIO NORTH ZONE)
 LAT: N41°21'47.57" LONG: W81°59'25.24" (WGS 84)

BASIS OF BEARINGS
 BASIS OF BEARING IS ASSUMED AND IS USED TO DESCRIBE ANGLES ONLY. A PORTION OF THE WESTERLY LINE OF RIDGEFIELD HOMES INC. SUBDIVISION No. 2 AS RECORDED IN PLAT VOLUME 57, PAGE 70 OF THE LORAIN COUNTY PLAT RECORDS AND IS ASSUMED TO BE NORTH 01° 38' 05" EAST AS SHOWN HEREON.
 THIS SURVEY IS BASED UPON A FIELD SURVEY PERFORMED BY RAFTER A., LTD IN APRIL OF 2023.

UNDERGROUND UTILITIES NOTE:
 THE SIZE & LOCATION, BOTH HORIZONTAL AND VERTICAL, OF THE UNDERGROUND UTILITIES SHOWN HEREON, HAVE BEEN OBTAINED BY A SEARCH OF AVAILABLE RECORDS. VERIFICATION BY FIELD OBSERVATION HAS BEEN CONDUCTED WHERE PRACTICAL. HOWEVER, RAFTER A., LTD DOES NOT GUARANTEE THE COMPLETENESS NOR ACCURACY THEREOF.

UNDERGROUND UTILITIES
 Contact Two Working Days Before You Dig

 Before You Dig
 OHIO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)
 A228701141-00A; A228701159-00A;
 A228701221-00A; A228701207-00A

REV.	BY	DATE	DESCRIPTION
1	BDA	11-10-2023	ISSUE FOR CLIENT REVIEW
2	BDA	02-16-2024	ISSUE FOR CITY REVIEW
3	BDA	02-19-2024	ISSUE FOR CITY REVIEW

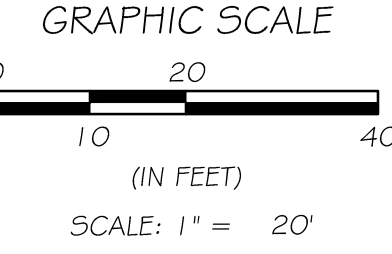
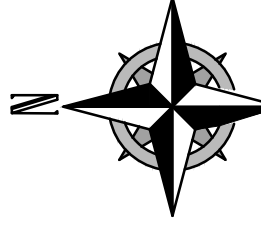
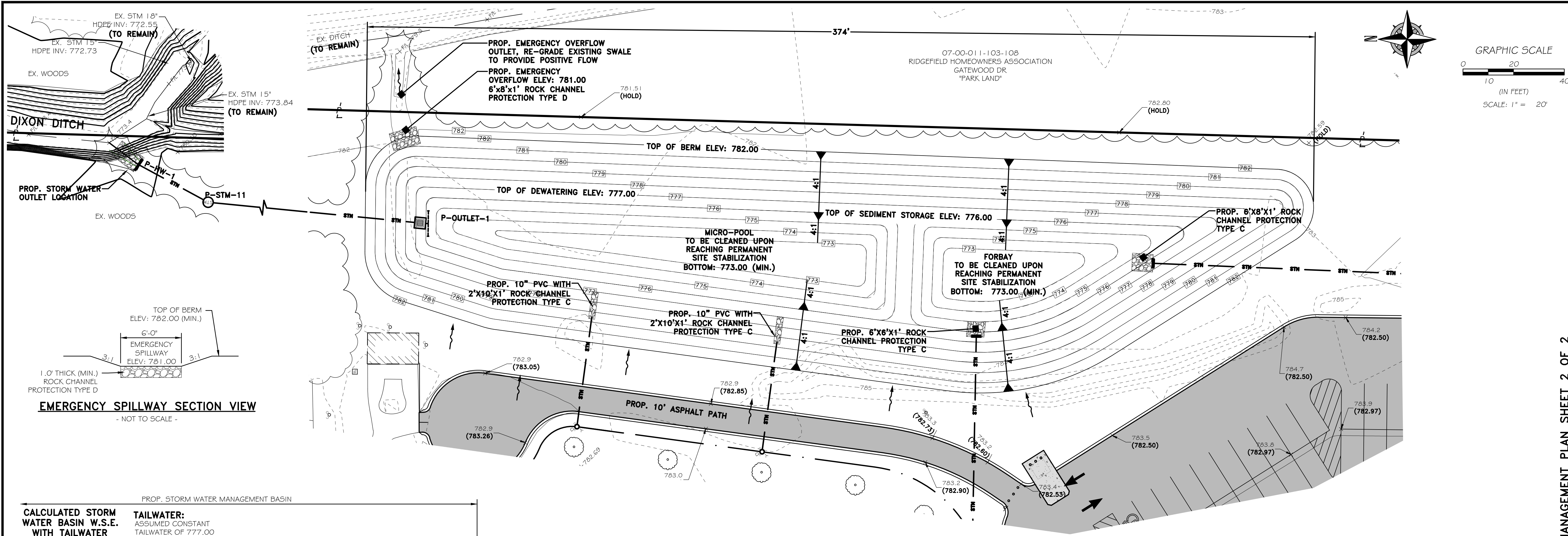
RAFTER A., LTD
 LAND SURVEYING • ENGINEERING • TESTING
 42663 Oberlin-Elyria Road, Oberlin, Ohio 44074
 440-707-4014 • www.raftera.com • info@raftera.com

CITY OF NORTH RIDGEVILLE
 PARKS & RECREATION DEPARTMENT
 7327 AVON BELDEN ROAD
 NORTH RIDGEVILLE, OHIO 44039

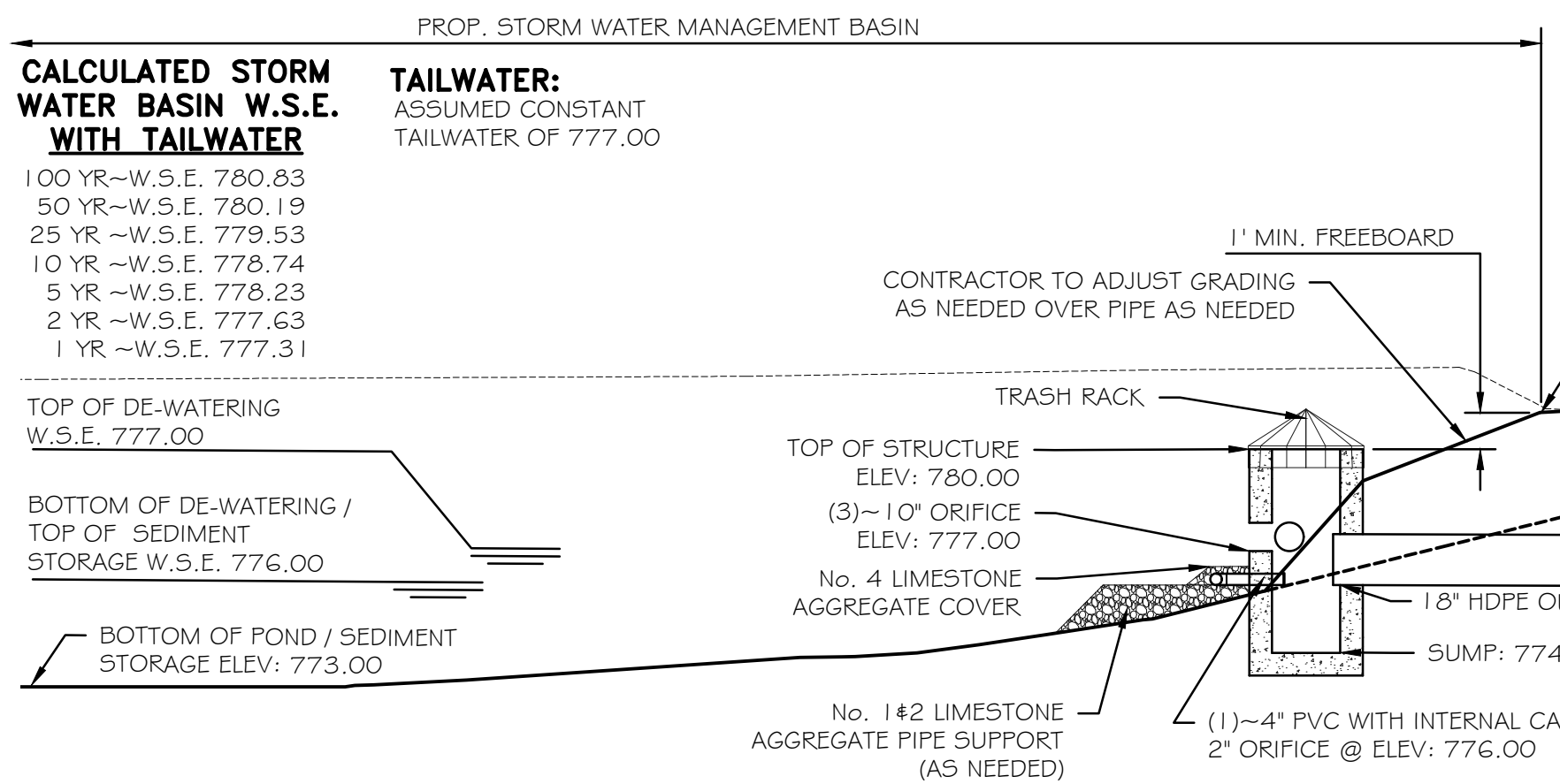
CITY OF NORTH RIDGEVILLE
 PARKS DEPARTMENT
 ROOT ROAD PARK PAVEMENT
 & SITE IMPROVEMENTS
 PERMANENT COMPREHENSIVE
 STORM WATER MANAGEMENT PLAN
 8949 ROOT ROAD, NORTH RIDGEVILLE, OHIO 44080

DRAWN BY: BDA
 CHECKED BY: RAF
 RAF JOB No: 3128-23

SHEET: **C6.0**



EMERGENCY SPILLWAY SECTION VIEW
- NOT TO SCALE -



P-OUTLET PERMANENT STORM WATER CONTROL SECTION VIEW
-NOT TO SCALE-

STORM WATER MANAGEMENT CALCULATIONS

STORM WATER DESIGN - CRITICAL STORM DETERMINATION
 1 YEAR PRE-DEVELOPED VOLUME = 0.6495 AC-FT - FROM BENTLEY POND PACK
 1 YEAR POST-DEVELOPED VOLUME = 0.6900 AC-FT - FROM BENTLEY POND PACK
 0.6900 AC-FT - 0.6495 AC-FT = 0.0405 AC-FT / 0.6495 AC-FT = 6.24% INCREASE IN RUNOFF VOLUME, THIS SHALL INDICATE DESIGNING FOR A 1 YEAR CRITICAL STORM. THEREFORE, THIS SITE SHALL NOT ALLOW A POST CONSTRUCTION FLOW EXCEEDING 6.58 CFS FOR STORM EVENTS UP TO AND INCLUDING THE 1 YEAR STORM EVENT.

STORM EVENT (CFS)	PRE-DEV. (CFS)	POST-DEV. (CFS)	TARGET (CFS)	ROUTED* (FEET)	MAX W.S.E.
1 YEAR (CRITICAL)	6.58	12.78	6.58	0.91	777.31
2 YEAR	10.00	18.98	10.00	3.12	777.63
5 YEAR	14.96	27.92	14.96	5.22	778.23
10 YEAR	19.05	35.28	19.05	6.19	778.74
25 YEAR	25.98	47.56	25.98	7.47	779.53
50 YEAR	32.50	58.90	32.50	8.90	780.19
100 YEAR	40.09	72.02	40.09	10.94	780.83

*(ROUTED WITH ASSUMED CONSTANT 777.00 TAILWATER)

PERMANENT WATER QUALITY VOLUME CALCULATIONS

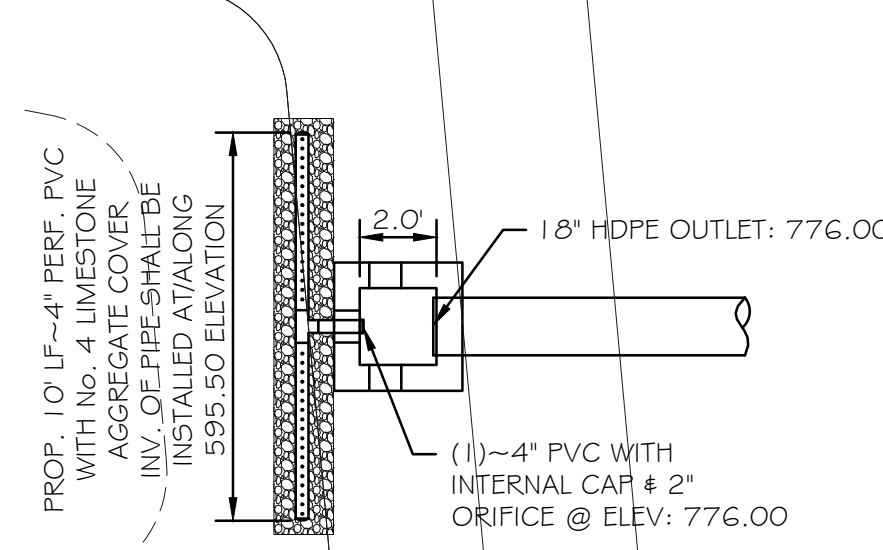
100% OF THE IMPERVIOUS DRAINAGE AREA IS BEING CONSIDERED AS PART OF THIS DESIGN:
 $R_v = 0.05 + 0.9(i)$
 WHERE
 $i =$ WATERSHED IMPERVIOUSNESS RATIO, PERCENT IMPERVIOUSNESS DIVIDED BY 100
 $i = 2.5989 / 11.3063 = 0.2299$
 $R_v = 0.05 + (0.9)(0.2299)$
 $R_v = 0.2569$
 $WQV_{DE-WATERING ZONE} = (R_v)(0.9)(DRAINAGE AREA) / 12$
 $WQV_{DE-WATERING ZONE} = (0.2569)(0.9)(11.3063) / 12 = 0.2178$ AC-FT (DE-WATERING ZONE) (9,487 CF)
 $WQV_{SEDIMENT STORAGE} REQUIRES 20\% MORE = 20\% \times WQV_{DE-WATERING ZONE}$
 $WQV_{SEDIMENT STORAGE} REQUIRES 20\% MORE = 0.20 \times 0.2178$ AC-FT = 0.0436 AC-FT (SEDIMENT STORAGE) (1,899 CF)
 OVERALL WQV = DE-WATERING ZONE + SEDIMENT STORAGE = 0.2614 AC-FT (11,387 CF)

PROVIDED SEDIMENT STORAGE TABLE

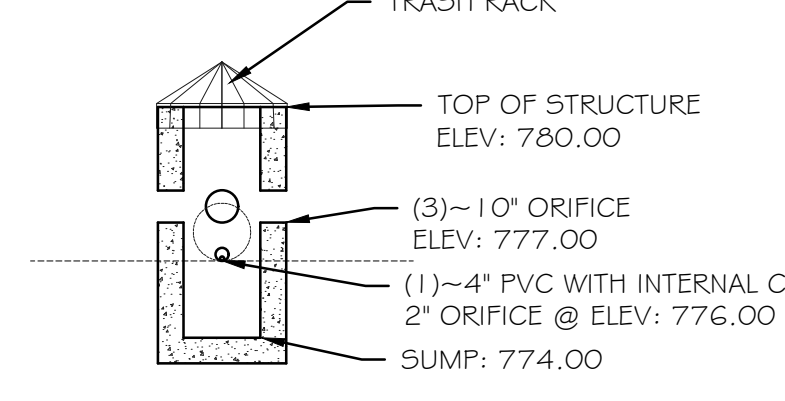
SEDIMENT AREA	VOLUME	ELEVATION
FORBAY	6,288.70 CU. FT.	773.00 TO 776.00
MICRO POOL	10,966.01 CU. FT.	773.00 TO 776.00
TOTAL	17,254.71 CU. FT. (0.3961 AC-FT) PROVIDED	1,899 FT. REQUIRED FROM CALCULATION ABOVE

PROVIDED DEWATERING TABLE

SEDIMENT AREA	VOLUME	ELEVATION
SEDIMENT BASIN	0.2569 AC-FT	776.00 TO 777.00
TOTAL	11,190.41 CU. FT. PROVIDED	9,487 CU. FT. REQUIRED FROM CALCULATION ABOVE



P-OUTLET PERMANENT STORM WATER CONTROL DETAIL
-NOT TO SCALE-



P-OUTLET PERMANENT STORM WATER CONTROL DETAIL
-NOT TO SCALE-

BASIS OF BEARINGS

BASIS OF BEARING IS ASSUMED AND IS USED TO DESCRIBE ANGLES ONLY. A PORTION OF THE WESTERLY LINE OF RIDGEFIELD HOMES INC. SUBDIVISION No. 2 AS RECORDED IN PLAT VOLUME 57, PAGE 70 OF THE LORAIN COUNTY PLAT RECORDS AND IS ASSUMED TO BE NORTH 01° 38' 05" EAST AS SHOWN HEREON.

THIS SURVEY IS BASED UPON A FIELD SURVEY PERFORMED BY RAFTER A., LTD IN APRIL OF 2023.

POND CONSTRUCTION NOTE:

CONTRACTOR SHALL VERIFY THAT THE SOIL AT THE POND LOCATION IS SUITABLE FOR POND CONSTRUCTION TO HOLD WATER. IT SHALL BE FREE OF DEBRIS AND FOREIGN MATERIALS. CONTRACTOR SHALL PROVIDE A CLAY LINER AND/OR A POND LINER AS NEEDED TO ENSURE SUITABLE STORAGE IS MAINTAINED.

UNDERGROUND UTILITIES NOTE:

THE SIZE & LOCATION, BOTH HORIZONTAL AND VERTICAL, OF THE UNDERGROUND UTILITIES SHOWN HEREON, HAVE BEEN OBTAINED BY A SEARCH OF AVAILABLE RECORDS. VERIFICATION BY FIELD OBSERVATION HAS BEEN CONDUCTED WHERE PRACTICAL. HOWEVER, RAFTER A., LTD DOES NOT GUARANTEE THE COMPLETENESS NOR ACCURACY THEREOF.

UNDERGROUND UTILITIES
 Contact Two Working Days Before You Dig

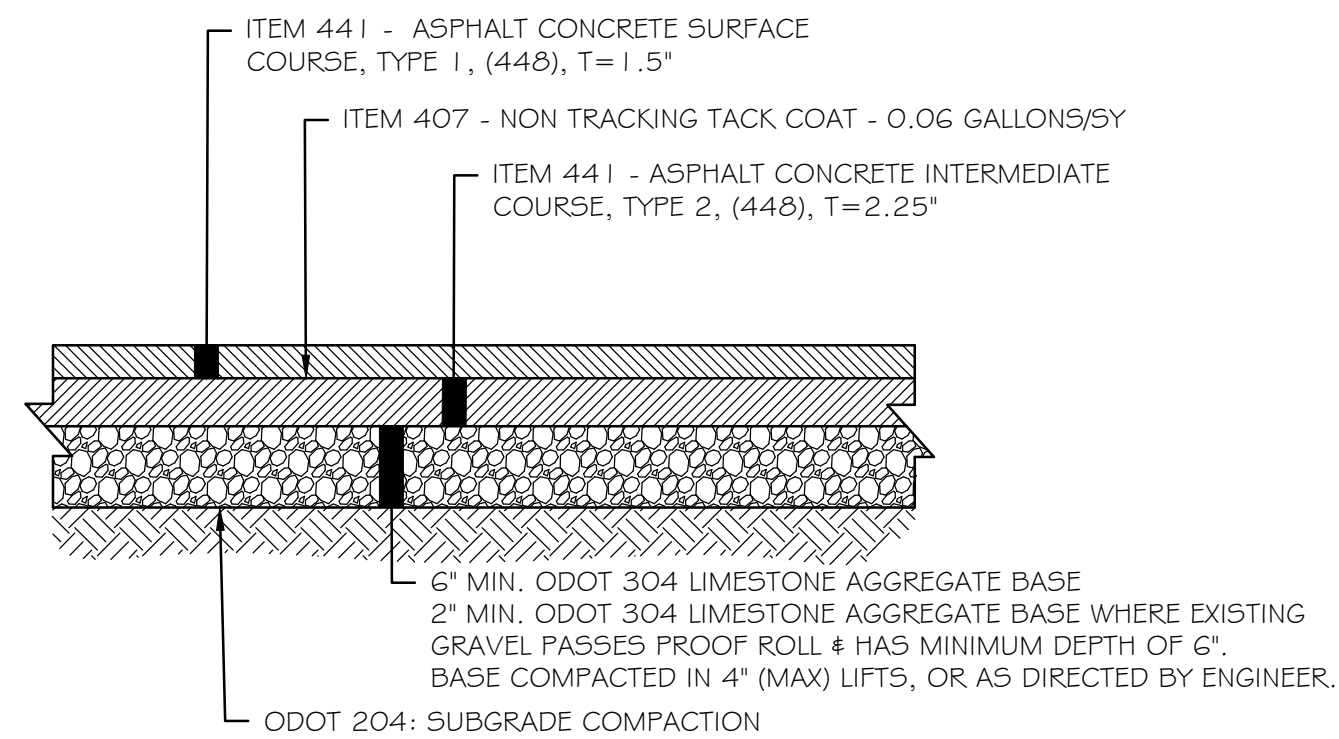
 Ohio811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)
 A228701141-00A; A228701159-00A; A228701221-00A; A228701207-00A

RAFTER A., LTD
 LAND SURVEYING • ENGINEERING • TESTING
 42653 Oberlin-Elyria Road, Oberlin, Ohio 44074
 440-707-4014 • www.raftera.com • info@raftera.com

CITY OF NORTH RIDGEVILLE
 PARKS & RECREATION DEPARTMENT
 7327 AVON BELDEN ROAD
 NORTH RIDGEVILLE, OHIO 44089

CITY OF NORTH RIDGEVILLE
 PARKS DEPARTMENT
 ROOT ROAD PARK PAVEMENT
 & SITE IMPROVEMENTS
PERMANENT COMPREHENSIVE STORM WATER MANAGEMENT BASIN DETAILS
 8949 ROOT ROAD, NORTH RIDGEVILLE, OHIO 44089

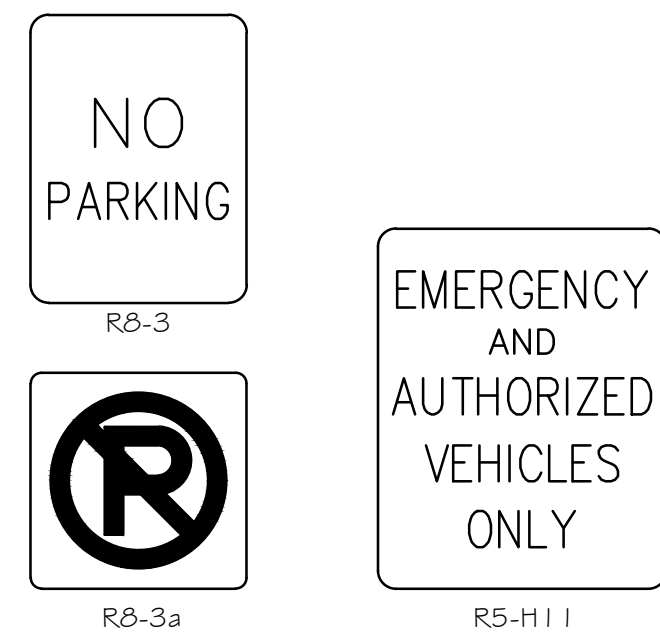
DRAWN BY: BDA
 CHECKED BY: RAF
 RAF JOB NO: 3128-23



PROPOSED STANDARD DUTY FULL DEPTH ASPHALT SECTION

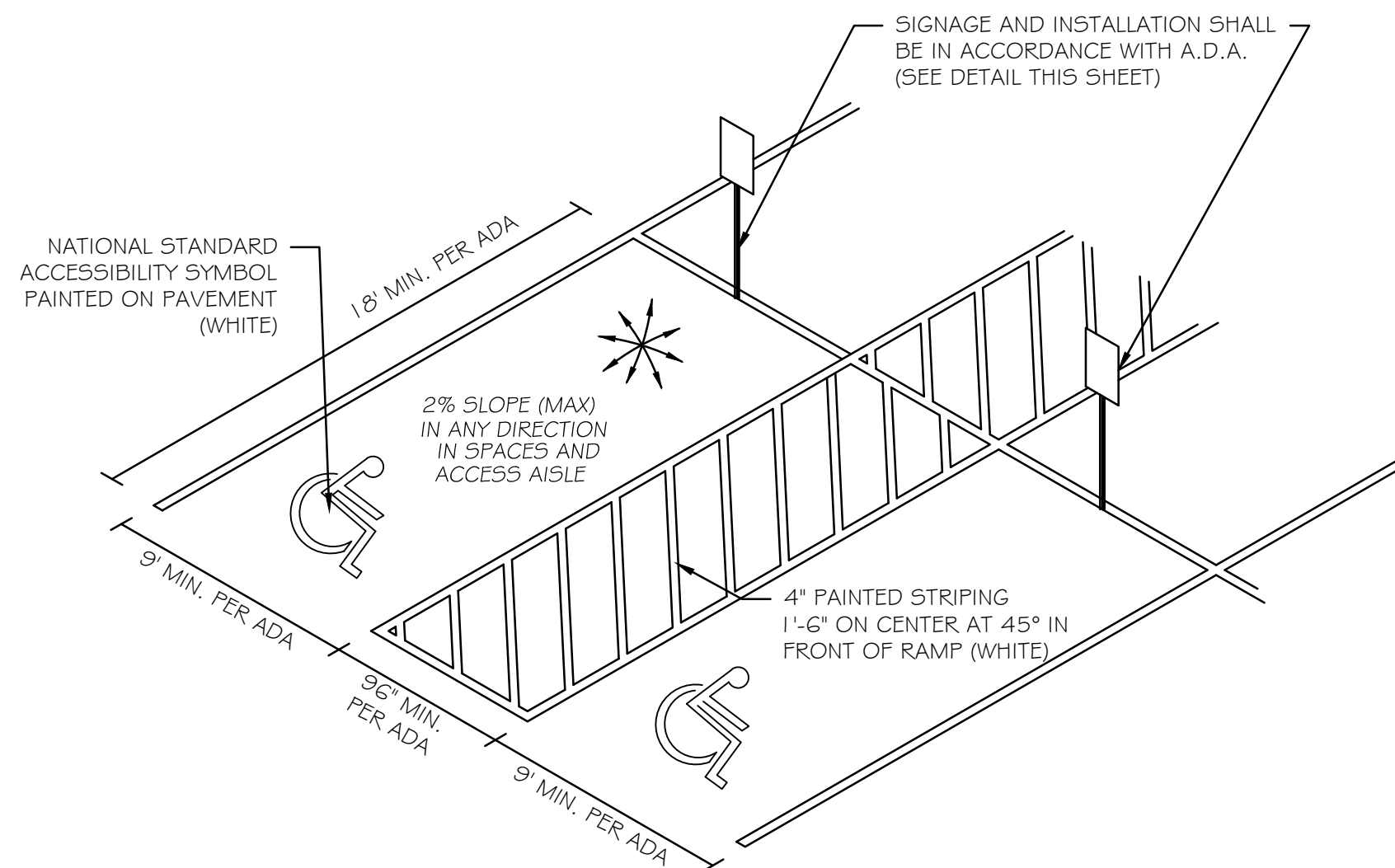
- NOT TO SCALE -

- CONTRACTOR SHALL PROOF ROLL SUBGRADE PRIOR TO PLACING STONE
- PROOF ROLL SHALL BE OBSERVED BY CITY APPROVED REPRESENTATIVE
- RECYCLED 304 LIMESTONE SHALL NOT BE PERMITTED



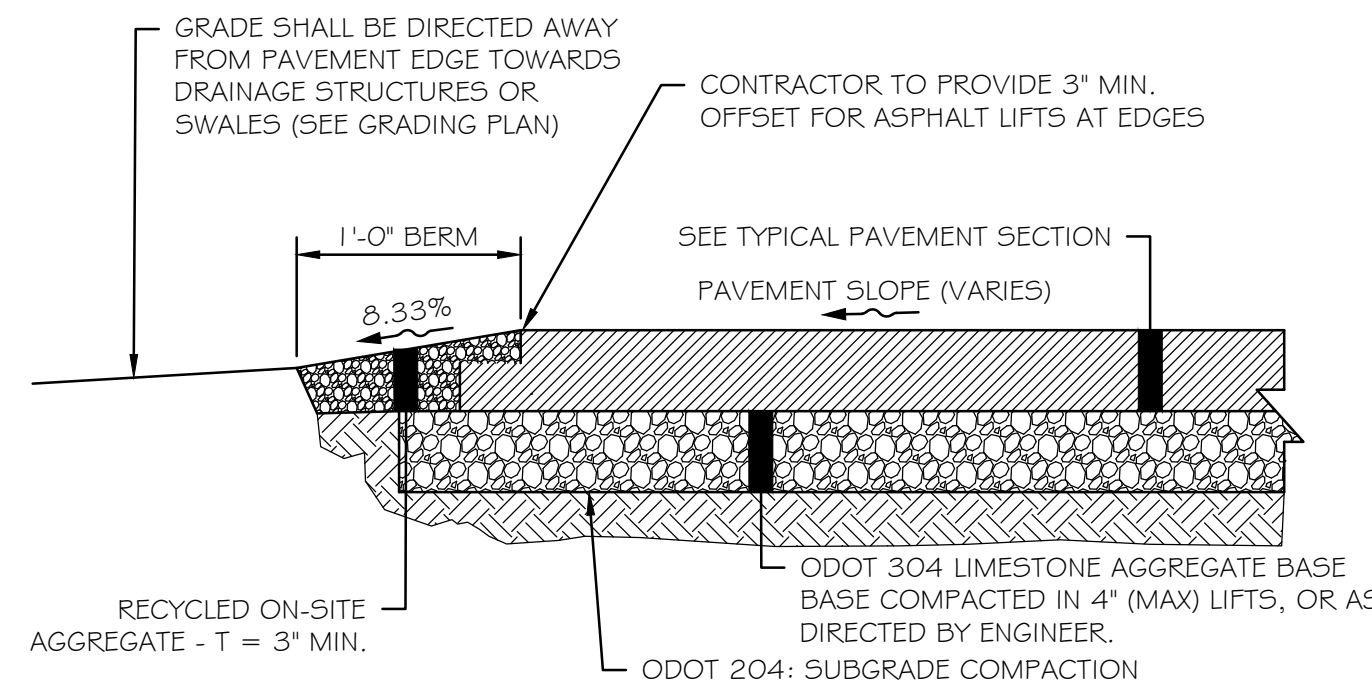
SIGN DETAILS & TYPES

- NOT TO SCALE -



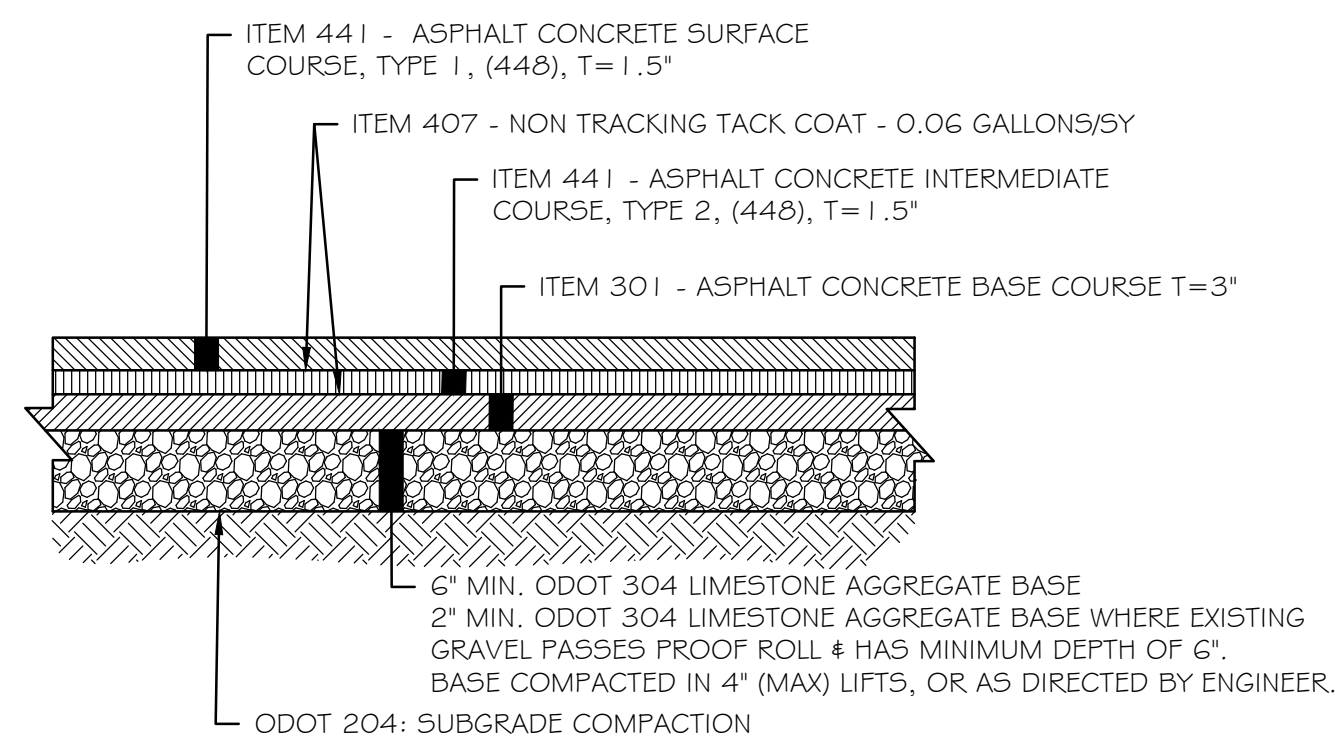
ACCESSIBLE PARKING DETAIL

- NOT TO SCALE -



PROPOSED BERM & EDGE OF PAVEMENT DETAIL

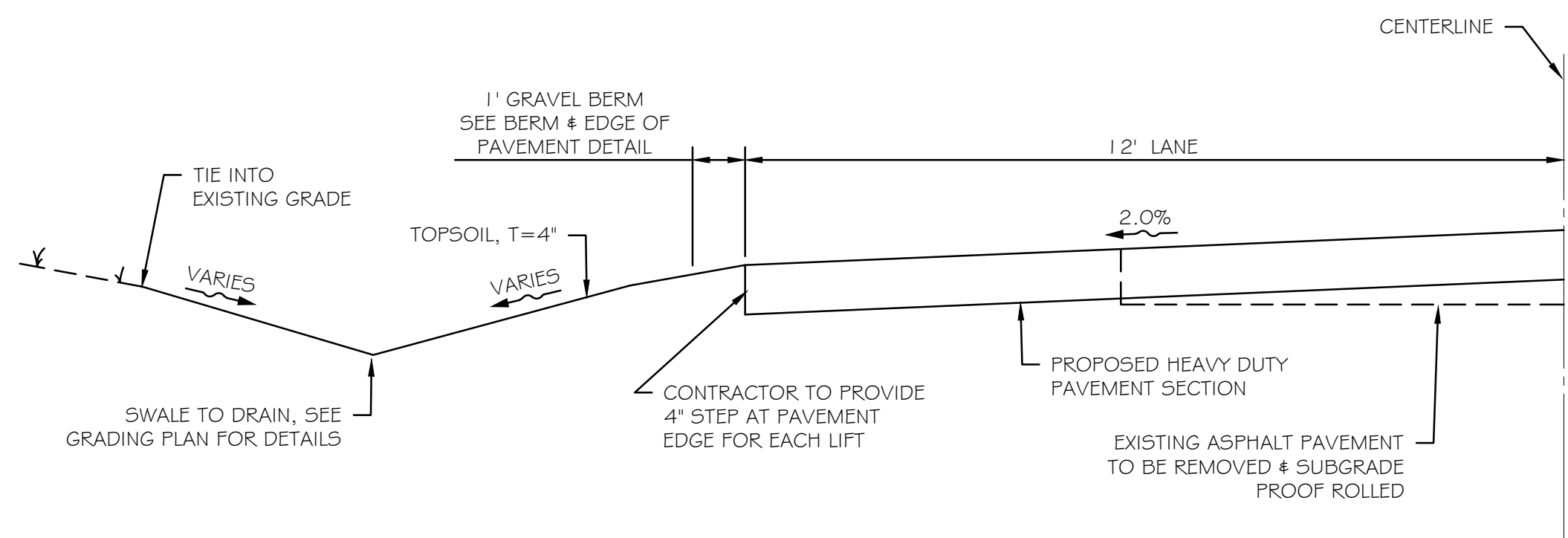
- NOT TO SCALE -



PROPOSED HEAVY DUTY FULL DEPTH ASPHALT SECTION

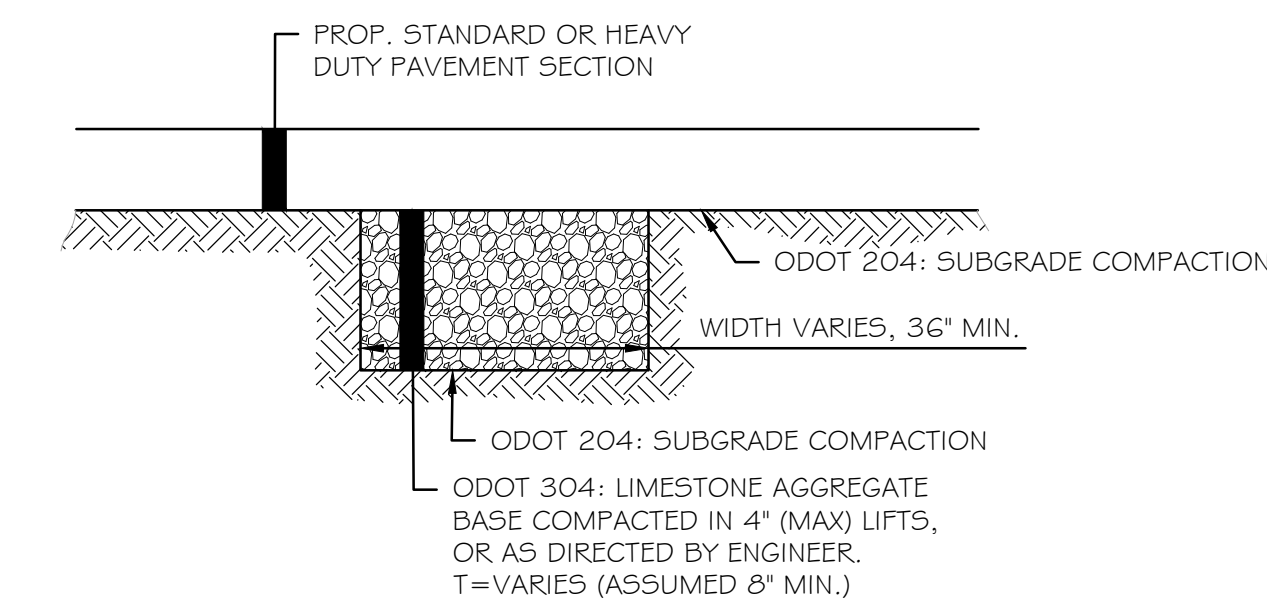
- NOT TO SCALE -

- CONTRACTOR SHALL PROOF ROLL SUBGRADE PRIOR TO PLACING STONE
- PROOF ROLL SHALL BE OBSERVED BY CITY APPROVED REPRESENTATIVE
- RECYCLED 304 LIMESTONE SHALL NOT BE PERMITTED



PROPOSED ENTRANCE DRIVE TYPICAL SECTION

- NOT TO SCALE -

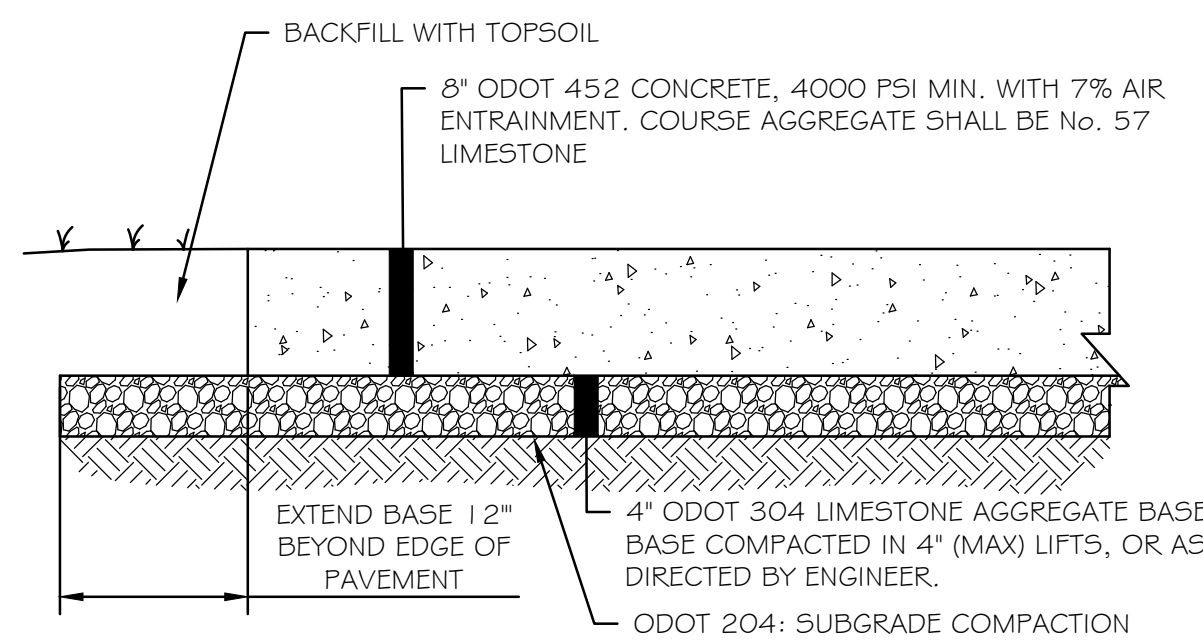


UNDERCUT SUBGRADE DETAIL

- NOT TO SCALE -

AREAS THAT DO NOT PASS PROOF ROLL AND ARE DETERMINED TO BE UNSUITABLE BY GEOTECHNICAL ENGINEER

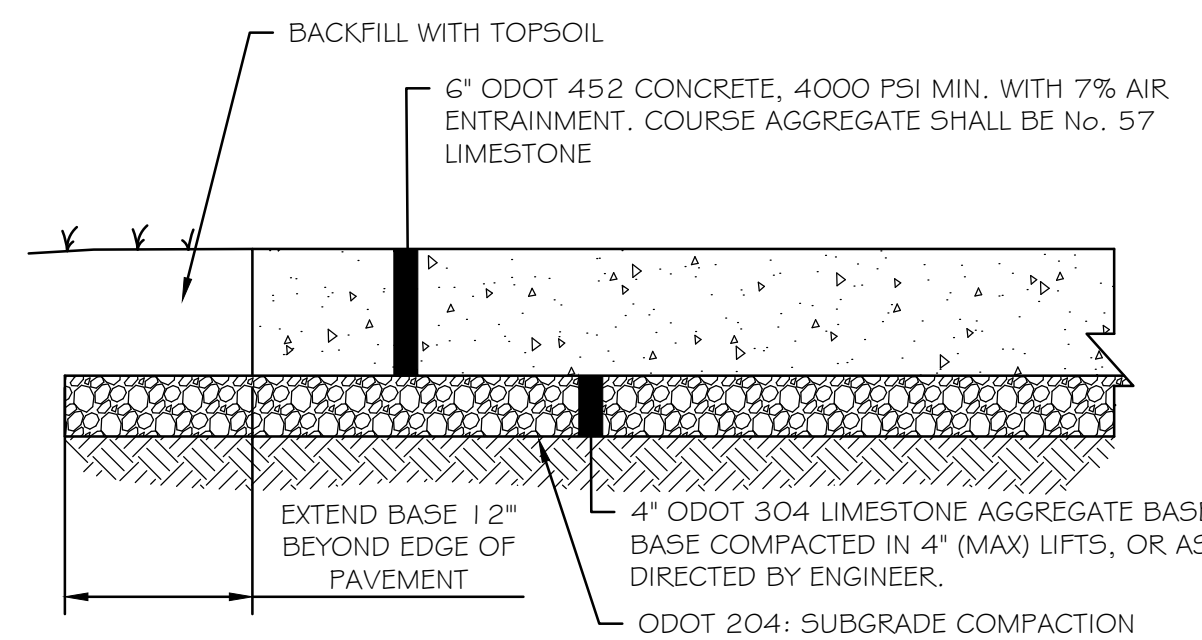
- RECYCLED 304 LIMESTONE SHALL NOT BE PERMITTED



PROPOSED CONCRETE SECTION DRIVE APRON

- NOT TO SCALE -

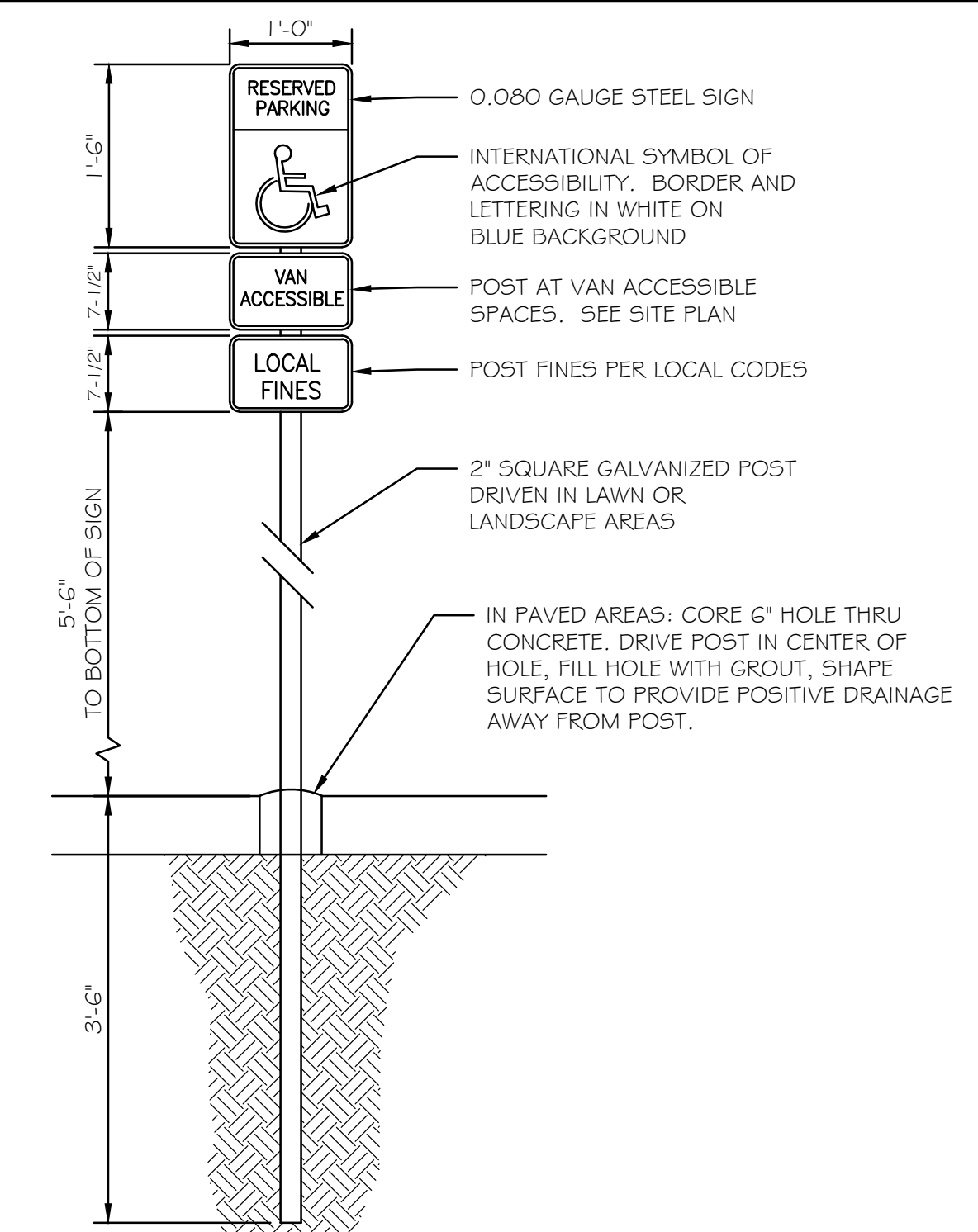
OR AS APPROVED BY GEOTECHNICAL ENGINEER



PROPOSED CONCRETE SECTION DUMPSTER PAD

- NOT TO SCALE -

OR AS APPROVED BY GEOTECHNICAL ENGINEER



HANDICAP PARKING SIGN POST DETAIL

- NOT TO SCALE -

REV.	BY	DATE	DESCRIPTION
1	BDA	11-10-2023	ISSUE FOR CLIENT REVIEW
2	BDA	02-16-2024	ISSUE FOR CITY REVIEW
3	BDA	02-19-2024	ISSUE FOR CITY REVIEW
4	MSF	06-28-2025	REVISED PAVEMENT SECTION DETAILS

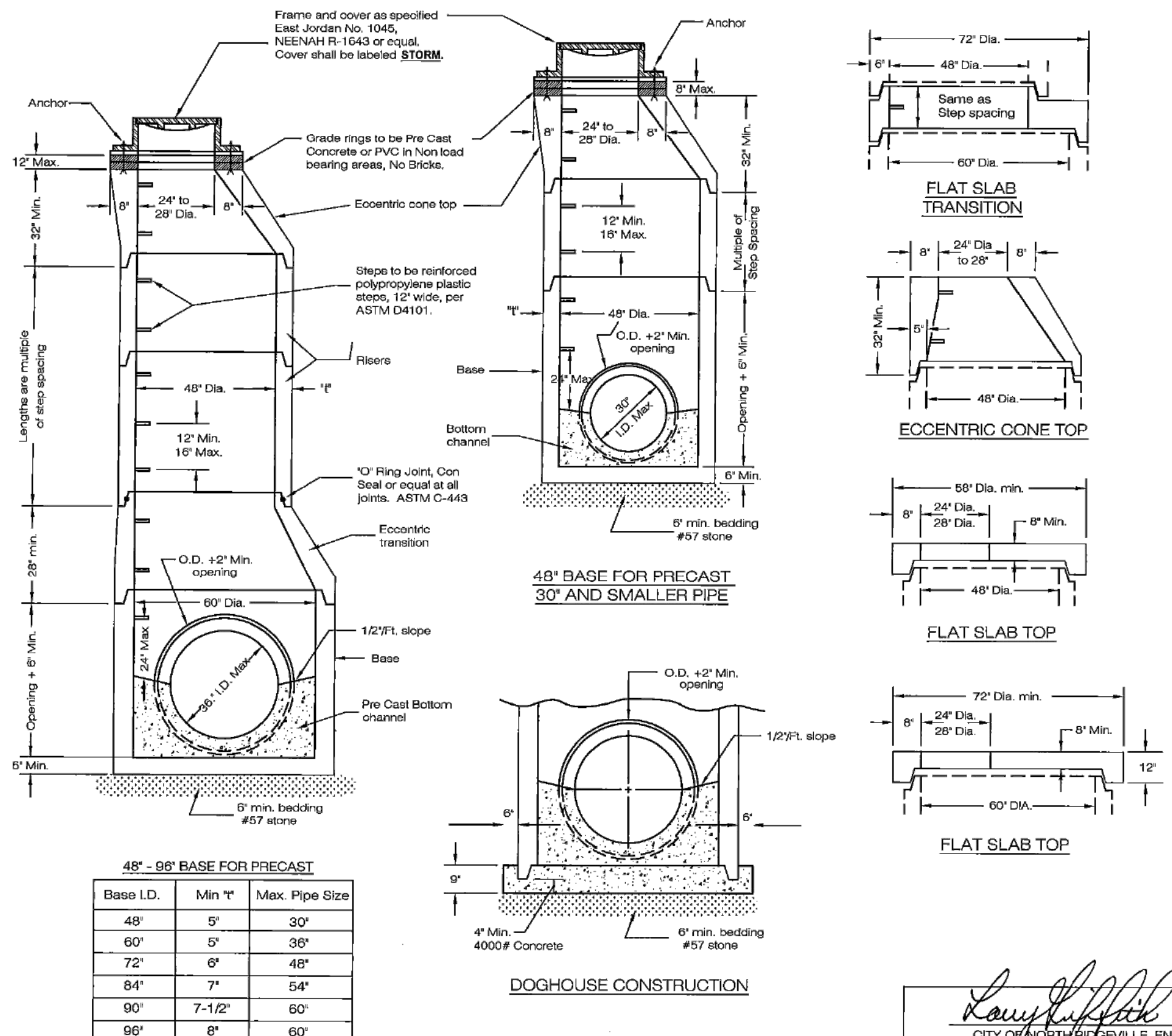
RAFTER A, LTD
 LAND SURVEYING • ENGINEERING • TESTING
 42653 Oberlin-Elyria Road, Oberlin, Ohio 44074
 440-707-4014 • www.raftera.com • info@raftera.com

CITY OF NORTH RIDGEVILLE
 PARKS & RECREATION DEPARTMENT
 7327 AVON BELDEN ROAD
 NORTH RIDGEVILLE, OHIO 44099

CITY OF NORTH RIDGEVILLE
 PARKS DEPARTMENT
 ROOT ROAD PARK PAVEMENT
 & SITE IMPROVEMENTS
MISCELLANEOUS DETAILS
 8949 ROOT ROAD, NORTH RIDGEVILLE, OHIO 44090

DRAWN BY: BDA
 CHECKED BY: RAF
 RAF JOB No: 3128-23

SHEET: **C7.0**



NOTES

Sections of the precast manhole shall be cast and assembled with either all tongue or all groove ends up. Lift holes may be provided in each section for handling.

TOP AND TRANSITION (or reducer) Sections may be either eccentric cone, or flat slab.

BASES for manholes are shown with monolithic floor and riser which may be cast in one or two operations. A permissible alternate is to cast and ship the floor and barrel separately. Openings for inlet and outlet pipe shall be provided, either when the unit is cast or later, to meet project requirements. Bottom channels may be formed of concrete precast in the base or by field construction. Bases may also be poured in place. All inlets and outlets are to be identified.

OPENINGS IN RISER SECTIONS for 18" and smaller inlet pipes shall be precast.

MATERIALS for bases and other precast sections, including reinforcement not specified herein, shall comply with the specifications.

LANDING PLATFORMS, as shown on the Landing Details shall be installed in manholes that are over 28 feet deep to the invert with maximum vertical spacing of 20 feet.

PRECAST MANHOLE shall conform to the requirements of ASTM C-478. Concrete shall be 4000# P.S.I.

SEAL lift holes with approved concrete plugs and bit.

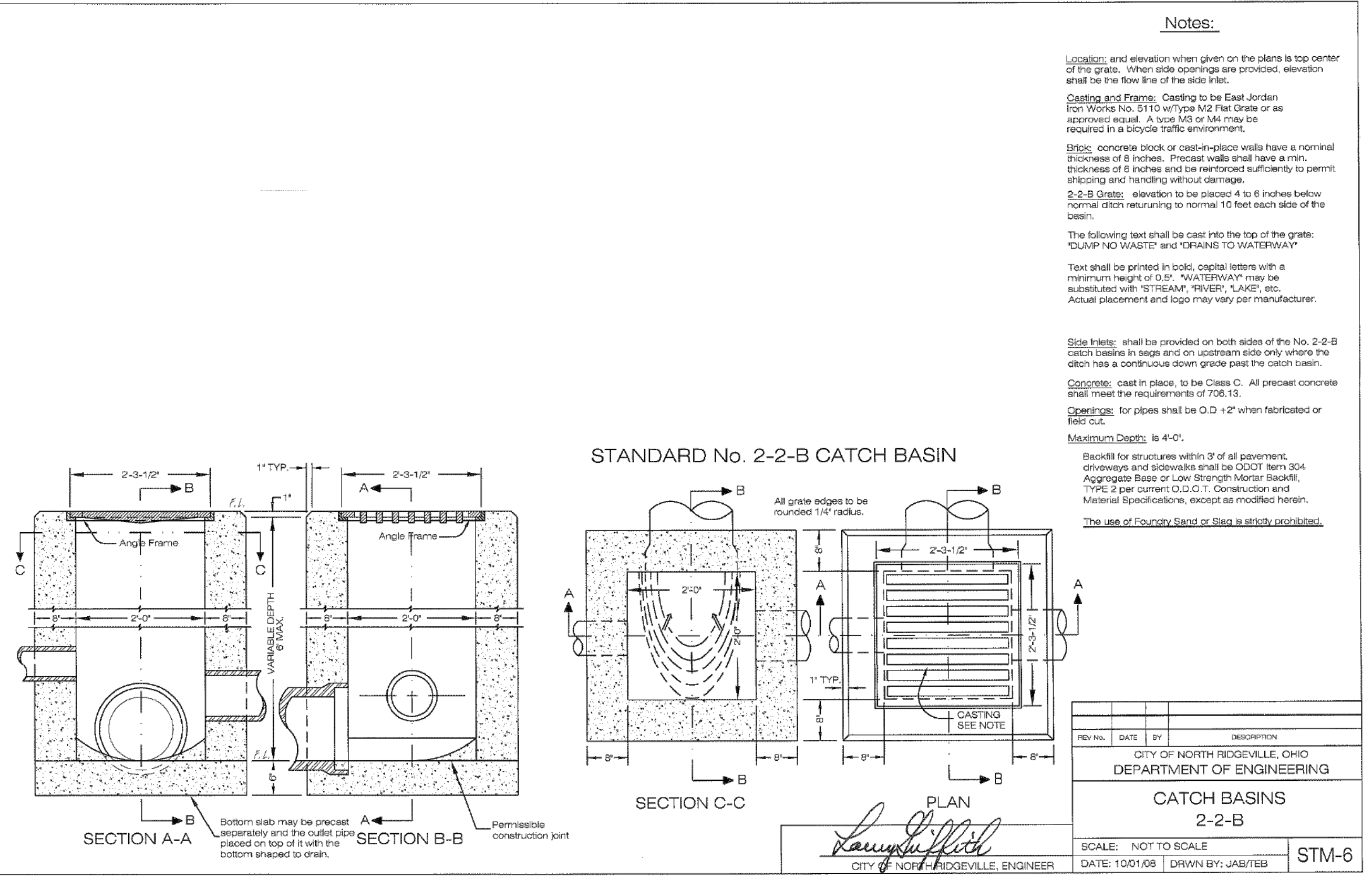
ANCHORS 1/2" dia. Allbrad with washers and hex nut (Min. 4). Lead anchor secured into the eccentric cone top.

CASTINGS for manholes shall be cleaned and painted in field with one coat of asphalt varnish or coal tar pitch paint.

REV. NO.	DATE	BY	DESCRIPTION
1	10/01/08	JAB/TEB	MANHOLE STEP SPECIFICATION

CITY OF NORTH RIDGEVILLE, OHIO
DEPARTMENT OF ENGINEERING
PRECAST CONCRETE MANHOLE

SCALE: NOT TO SCALE
DATE: 10/01/08 | DRWN BY: JAB/TEB | STM-1



NOTES

Location and elevation when given on the plans is top center of the grate. When side openings are provided, elevation shall be the flow line of the side inlet.

CASTING AND FRAME: Casting to be East Jordan Iron Works No. 5110 w/Type M2 Flat Grate or as approved equal. A type M3 or M4 may be required in a bicycle traffic environment.

BRICK: concrete block or cast-in-place walls have a nominal thickness of 8 inches. Precast walls shall have a min. thickness of 6 inches and be reinforced sufficiently to permit shipping and handling without damage.

2-2-B Grate: elevation to be placed 4 to 6 inches below normal ditch returning to normal 10 feet each side of the basin.

The following text shall be cast into the top of the grate: **DUMP NO WASTE** and **DRAINS TO WATERWAY**.

Text shall be printed in bold, capital letters with a minimum height of 0.5". "WATERWAY" may be substituted with "STREAM", "RIVER", "LAKE", etc. Actual placement and logo may vary per manufacturer.

Side Inlets: shall be provided on both sides of the No. 2-2-B catch basins in sag and on upstream side only where the ditch has a continuous down grade past the catch basin.

Concrete: cast in place, to be Class C. All precast concrete shall meet the requirements of 708.13.

Openings: for pipes shall be O.D. +2" when fabricated or field cut.

Maximum Depth: is 4'-0".

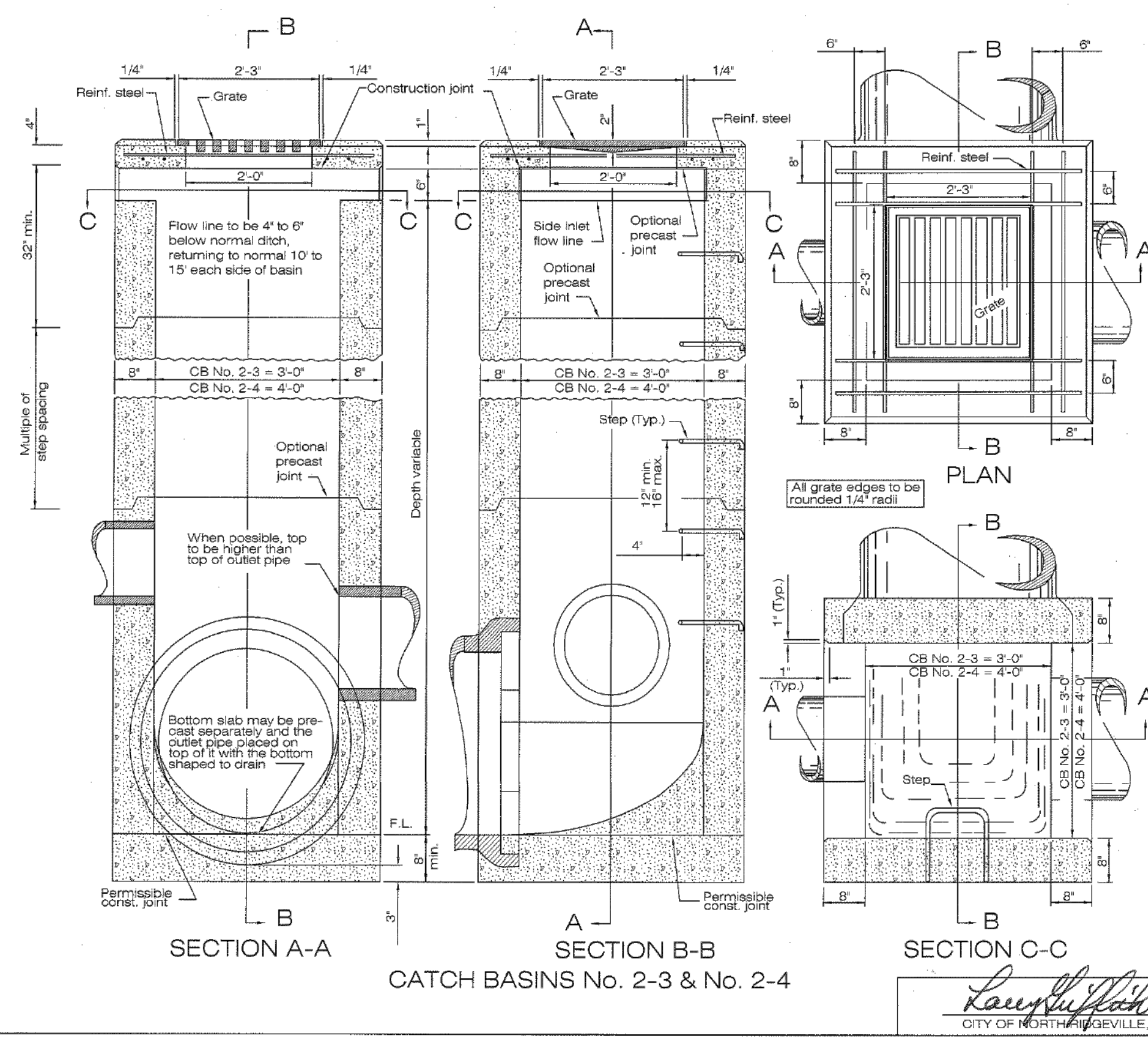
Backfill for structures within 3' of all pavement, driveways and sidewalks shall be ODOT Item 304 Aggregate Base or Low Strength Mortar Backfill, TYPE 2 per current O.D.C.T. Construction and Material Specifications, except as modified herein.

The use of Foundry Sand or Slag is strictly prohibited.

REV. NO.	DATE	BY	DESCRIPTION
1	10/01/08	JAB/TEB	CATCH BASIN
2	02-16-2024	BDA	ISSUE FOR CLIENT REVIEW
3	02-19-2024	BDA	ISSUE FOR CITY REVIEW

CITY OF NORTH RIDGEVILLE, OHIO
DEPARTMENT OF ENGINEERING
CATCH BASIN 2-2-B

SCALE: NOT TO SCALE
DATE: 10/01/08 | DRWN BY: JAB/TEB | STM-6



GRATE: See details on STM-4. If necessary, bicycle safe grates shall be specified in the plans. Bicycle safe grates shall be Neenah No. R-4858-C or East Jordan No. 5110 Type M3 or approved equals.

As of January 1, 2003, the following text shall be cast into the top of the grate: **"DUMP NO WASTE" and "DRAINS TO WATERWAY"**.

Text shall be printed in bold, capital letters with a minimum height of 0.5". "WATERWAY" may be substituted with "STREAM", "RIVER", "LAKE", etc. Actual placement and logo may vary per manufacturer.

WALLS: Brick or cast-in-place walls shall have a nominal thickness of 8". Precast walls shall have a minimum thickness of 6" and be reinforced sufficiently to permit shipping and handling without damage. Precast tops shall be brick.

STEPS: Steps shall be provided where the depth exceeds 6' and shall meet the requirements of SCD MH-1-1.

CONCRETE: Cast-in-place concrete is to be Class C. All precast concrete shall meet the requirements of ODS 708.13 and be marked with the catch basin number.

REINFORCEMENT: Reinforcing in the top is to be #4 bars spaced at 6" center to center. For Catch Basin No. 2-3 use eight bars and for Catch Basin No. 2-4 use twelve bars.

INLETS OVER 12 FEET IN DEPTH: Shall be precast or cast-in-place concrete, reinforced with #4 bars on 12" centers both vertically and horizontally with 2" clearance from inside wall face.

PRECAST BASE: If a precast base is used, it shall be set deep enough so that the top can be placed on the base to provide the grate elevation specified in the plans. Layers of brick shall not be used to adjust the top elevation.

LOCATION AND ELEVATION: When given on the plans, the location and the elevation are at the top center of the grate. Whenever openings are provided, the elevation shall be at the flow line of the side inlet.

MINIMUM DEPTH: The minimum depth of CB No. 2-3 and CB 2-4 shall be the outside diameter (O.D.) of the outlet pipe plus 7".

OPENINGS: Pipe Openings shall be the O.D. of the pipe being supplied plus 2" when precast or field cut. Fill any voids per OMS 601.

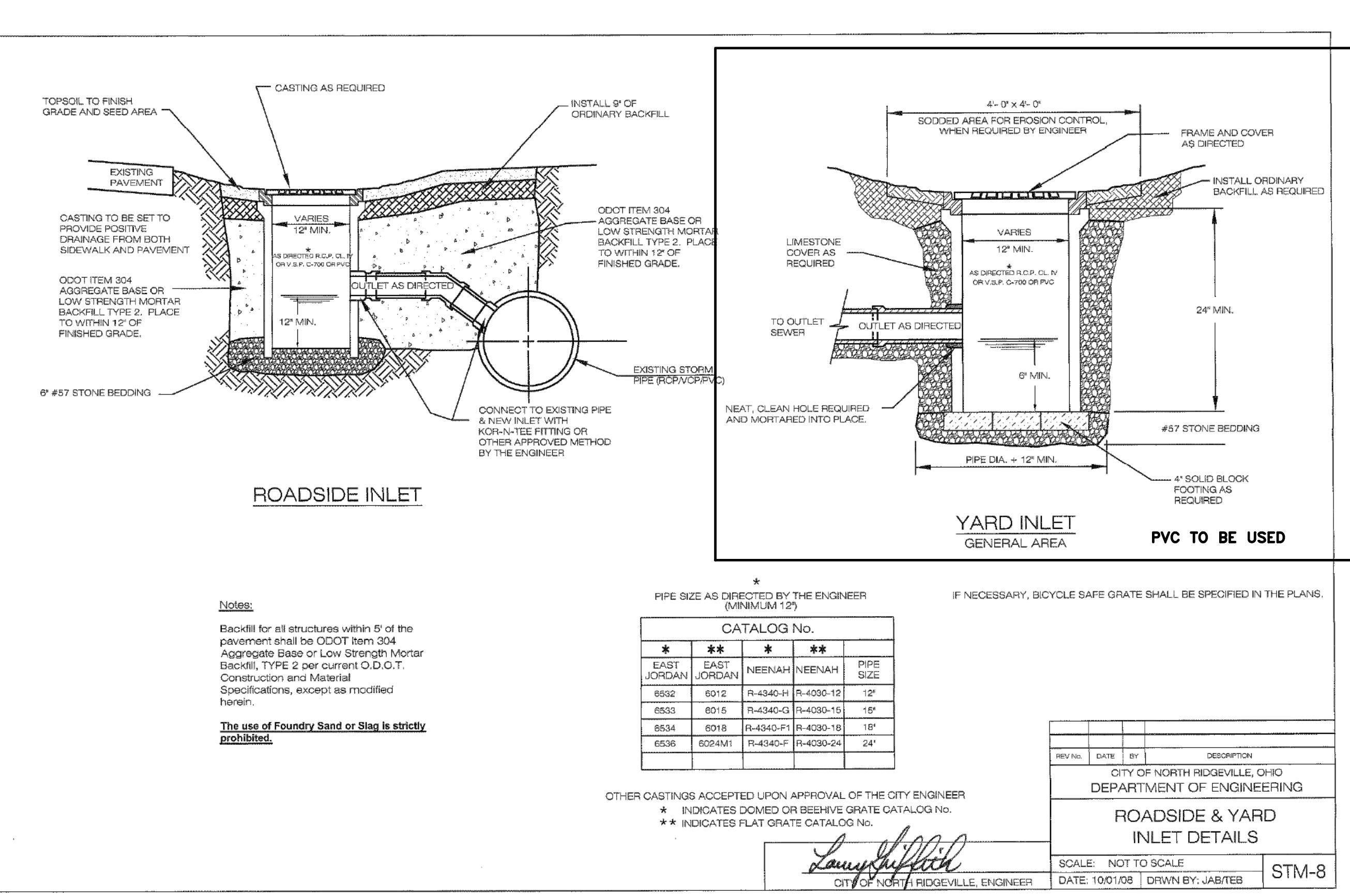
SIDE INLETS: Inlets shall be provided on both sides of the No. 2-3 and 2-4 catch basin in sag and on upstream side only where the ditch has a continuous down grade past the catch basin. Caston basins with side inlets shall not be used within the Clear Zone.

CATCH BASIN	OUTLET PIPE SIZE
2-3	12" to 36"
2-4	36" to 42"

REV. NO.	DATE	BY	DESCRIPTION
1	10/01/08	JAB/TEB	CATCH BASIN

CITY OF NORTH RIDGEVILLE, OHIO
DEPARTMENT OF ENGINEERING
CATCH BASIN 2-3 AND 2-4

SCALE: NOT TO SCALE
DATE: 10/01/08 | DRWN BY: JAB/TEB | STM-7



NOTES

Backfill for all structures within 3' of the pavement shall be ODOT Item 304 Aggregate Base or Low Strength Mortar Backfill, TYPE 2 per current O.D.C.T. Construction and Material Specifications, except as modified herein.

The use of Foundry Sand or Slag is strictly prohibited.

Other castings accepted upon approval of the City Engineer

* INDICATES DOWMED OR BEEHIVE GRATE CATALOG NO.
** INDICATES FLAT GRATE CATALOG NO.

REV. NO.	DATE	BY	DESCRIPTION
1	10/01/08	JAB/TEB	ROADSIDE & YARD INLET DETAILS

CITY OF NORTH RIDGEVILLE, OHIO
DEPARTMENT OF ENGINEERING
ROADSIDE & YARD INLET DETAILS

SCALE: NOT TO SCALE
DATE: 10/01/08 | DRWN BY: JAB/TEB | STM-8

RAFTER A, LTD
LAND SURVEYING - ENGINEERING - TESTING
42653 Oberlin-Elyria Road, Oberlin, Ohio 44074
440-707-4014 - www.raftera.com - info@raftera.com

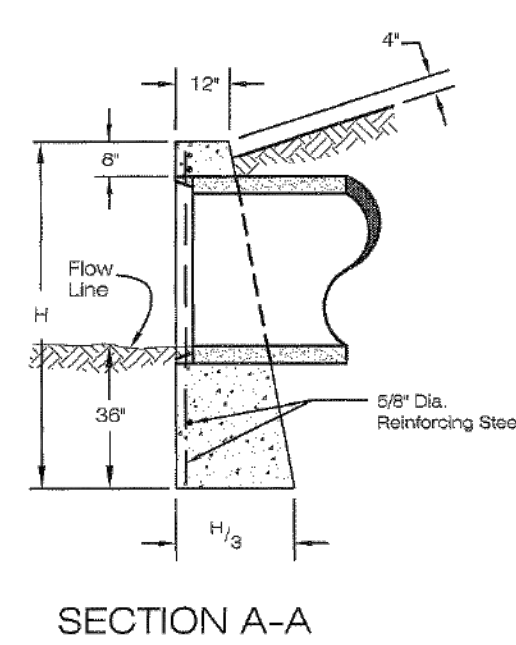
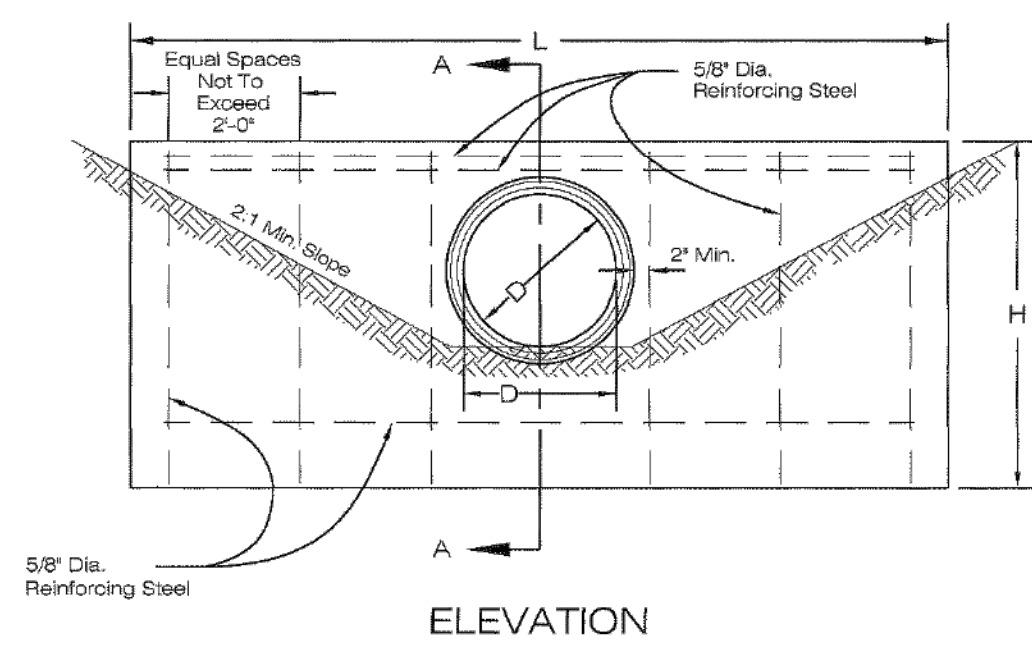
CITY OF NORTH RIDGEVILLE
PARKS & RECREATION DEPARTMENT
7327 AVON BELDEN ROAD
NORTH RIDGEVILLE, OHIO 44099

CITY OF NORTH RIDGEVILLE
PARKS DEPARTMENT
ROOT ROAD PARK PAVEMENT
& SITE IMPROVEMENTS
MISCELLANEOUS DETAILS

8949 ROOT ROAD, NORTH RIDGEVILLE, OHIO 44090

DRAWN BY: BDA
CHECKED BY: RAF
RAF JOB NO: 3128-23

SHEET: C7.1



DIMENSIONS			QUANTITIES ONE HEADWALL	
DIAMETER	H	L	CONCRETE CU. YDS.	REINFORCING STEEL LBS.
15"	5'-2"	7'-0"	1.7	41
18"	5'-5"	8'-4"	2.2	57
21"	5'-8"	9'-8"	2.8	62
24"	5'-11"	11'-0"	3.3	69
30"	6'-5"	13'-8"	4.7	92
36"	7'-0"	16'-4"	6.5	105

NOTES

No. 1 headwall, where required, will be provided for nonskewed culverts having a diameter or rise of 36" or less. Concrete shall be class "C". Reinforcing steel bars shall be 5/8" round. Dimension and quantities are shown for circular sections only. It will be necessary to determine dimensions for the No. 1 headwall required for other pipe shapes in accordance with the equations listed on this drawing. Full height headwalls are required for all pipes. Chamfer all exposed corners 3/4 of an inch. Foundation: Where the soil borings indicate a bearing capacity of less than 2000 pounds per square foot, it will be necessary to increase the width of the base. For headwall outlet protection, see STM-13.

All cast in place headwalls shall have a cement wash.

L CIRCULAR SECTIONS = 6D + 4t
 L ELLIPTICAL OR PIPE ARCH = 4R + 4t + S
 H CIRCULAR SECTIONS = D + t = 4t'
 H ELLIPTICAL OR PIPE ARCH = R + t = 4t'
 D = DIAMETER OF PIPE
 R = RISE OF PIPE
 S = SPAN OF PIPE
 t = THICKNESS OF BARREL
 L = LENGTH OF HEADWALL
 H = HEIGHT OF HEADWALL

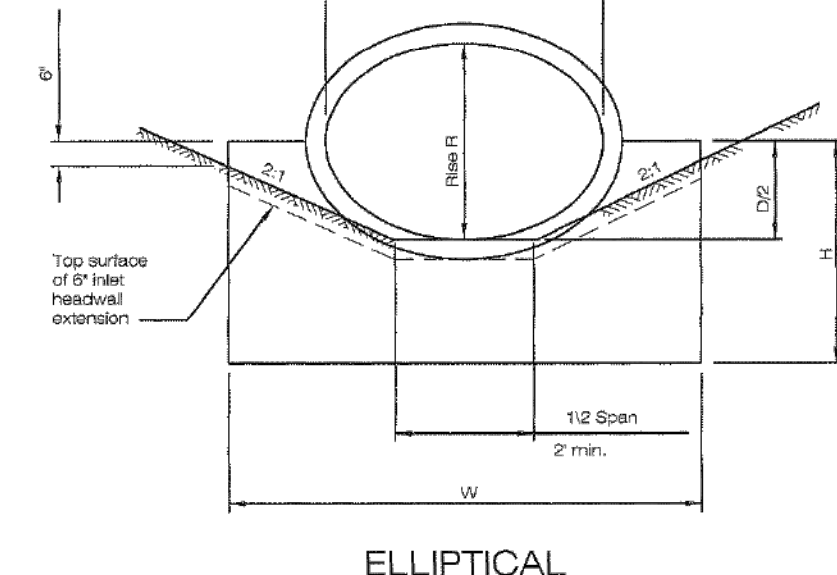
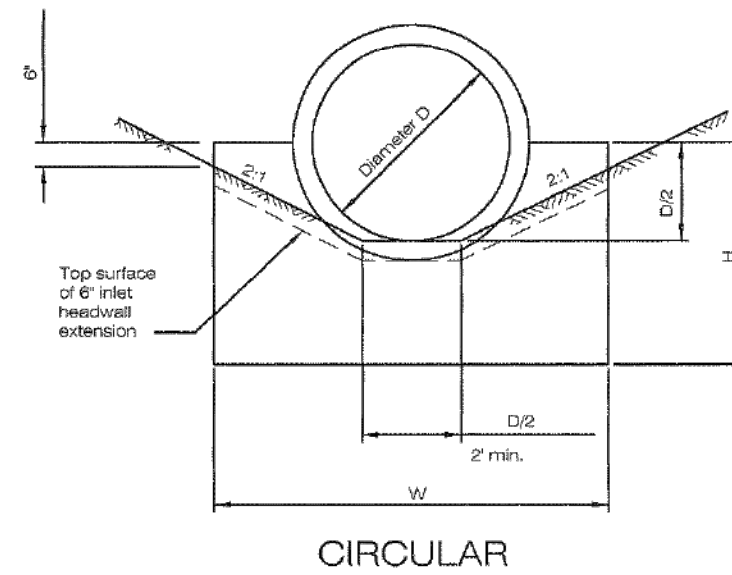
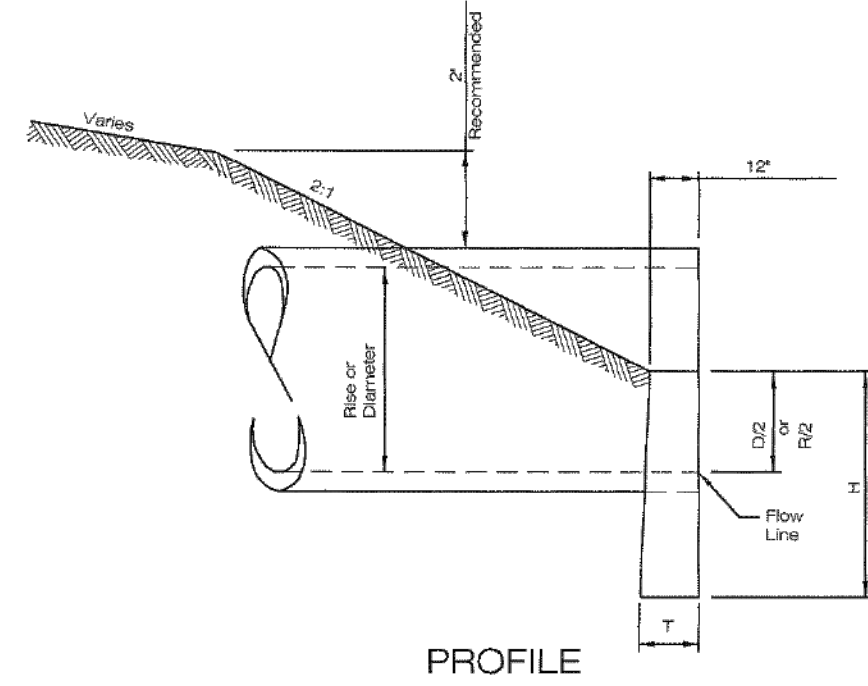
Laury Sullivan
 CITY OF NORTH RIDGEVILLE, ENGINEER

REV. NO.	DATE	BY	DESCRIPTION
1			

CITY OF NORTH RIDGEVILLE, OHIO
 DEPARTMENT OF ENGINEERING

STANDARD No. 1 HEADWALL

SCALE: NOT TO SCALE DATE: 10/01/08 | DRAWN BY: JAB/TEB | **STM-10**



C.I.P. HEADWALL FOR CONCRETE PIPE										
CIRCULAR					ELLIPTICAL					
D	W	H	T	Conc. cu. yds.	Span	Rise	W	H	T	Conc. cu. yds.
12"	2'-0"	3'-0"	12"	0.20	22"	1'-6"	3'-0"	3'-0"	12"	0.26
18"	2'-0"	3'-0"	12"	0.28	30"	1'-6"	3'-0"	3'-0"	12"	0.38
24"	2'-0"	3'-0"	12"	0.41	36"	1'-6"	3'-0"	3'-0"	12"	0.53
30"	2'-0"	3'-0"	12"	0.57	50"	1'-6"	3'-0"	3'-0"	12"	0.81
36"	2'-0"	3'-0"	12"	0.83	48"	1'-6"	3'-0"	3'-0"	12"	1.11
42"	2'-0"	3'-0"	12"	1.19	48"	1'-6"	3'-0"	3'-0"	12"	1.51
48"	2'-0"	3'-0"	12"	1.66	48"	1'-6"	3'-0"	3'-0"	12"	2.02
54"	2'-0"	3'-0"	12"	2.24	48"	1'-6"	3'-0"	3'-0"	12"	2.65
60"	2'-0"	3'-0"	12"	2.94	48"	1'-6"	3'-0"	3'-0"	12"	3.41
66"	2'-0"	3'-0"	12"	3.76	48"	1'-6"	3'-0"	3'-0"	12"	4.31
72"	2'-0"	3'-0"	12"	4.71	48"	1'-6"	3'-0"	3'-0"	12"	5.36
78"	2'-0"	3'-0"	12"	5.80	48"	1'-6"	3'-0"	3'-0"	12"	6.57
84"	2'-0"	3'-0"	12"	7.03	48"	1'-6"	3'-0"	3'-0"	12"	7.94
90"	2'-0"	3'-0"	12"	8.41	48"	1'-6"	3'-0"	3'-0"	12"	9.48
96"	2'-0"	3'-0"	12"	9.94	48"	1'-6"	3'-0"	3'-0"	12"	11.19
102"	2'-0"	3'-0"	12"	11.62	48"	1'-6"	3'-0"	3'-0"	12"	13.07
108"	2'-0"	3'-0"	12"	13.46	48"	1'-6"	3'-0"	3'-0"	12"	15.12
114"	2'-0"	3'-0"	12"	15.46	48"	1'-6"	3'-0"	3'-0"	12"	17.35
120"	2'-0"	3'-0"	12"	17.63	48"	1'-6"	3'-0"	3'-0"	12"	19.77
126"	2'-0"	3'-0"	12"	19.97	48"	1'-6"	3'-0"	3'-0"	12"	22.38
132"	2'-0"	3'-0"	12"	22.49	48"	1'-6"	3'-0"	3'-0"	12"	25.18
138"	2'-0"	3'-0"	12"	25.19	48"	1'-6"	3'-0"	3'-0"	12"	28.17
144"	2'-0"	3'-0"	12"	28.08	48"	1'-6"	3'-0"	3'-0"	12"	31.35

GENERAL: This drawing is for cast in place half-height concrete headwalls. When furnishing precast half-height headwalls, submit shop drawings for approval prior to manufacture. Precast half-height headwalls are only approved for round conduits with a maximum conduit diameter of 78".
 CONCRETE: Concrete for headwalls shall be Class C.
 For headwall outlet protection, see STM-13.

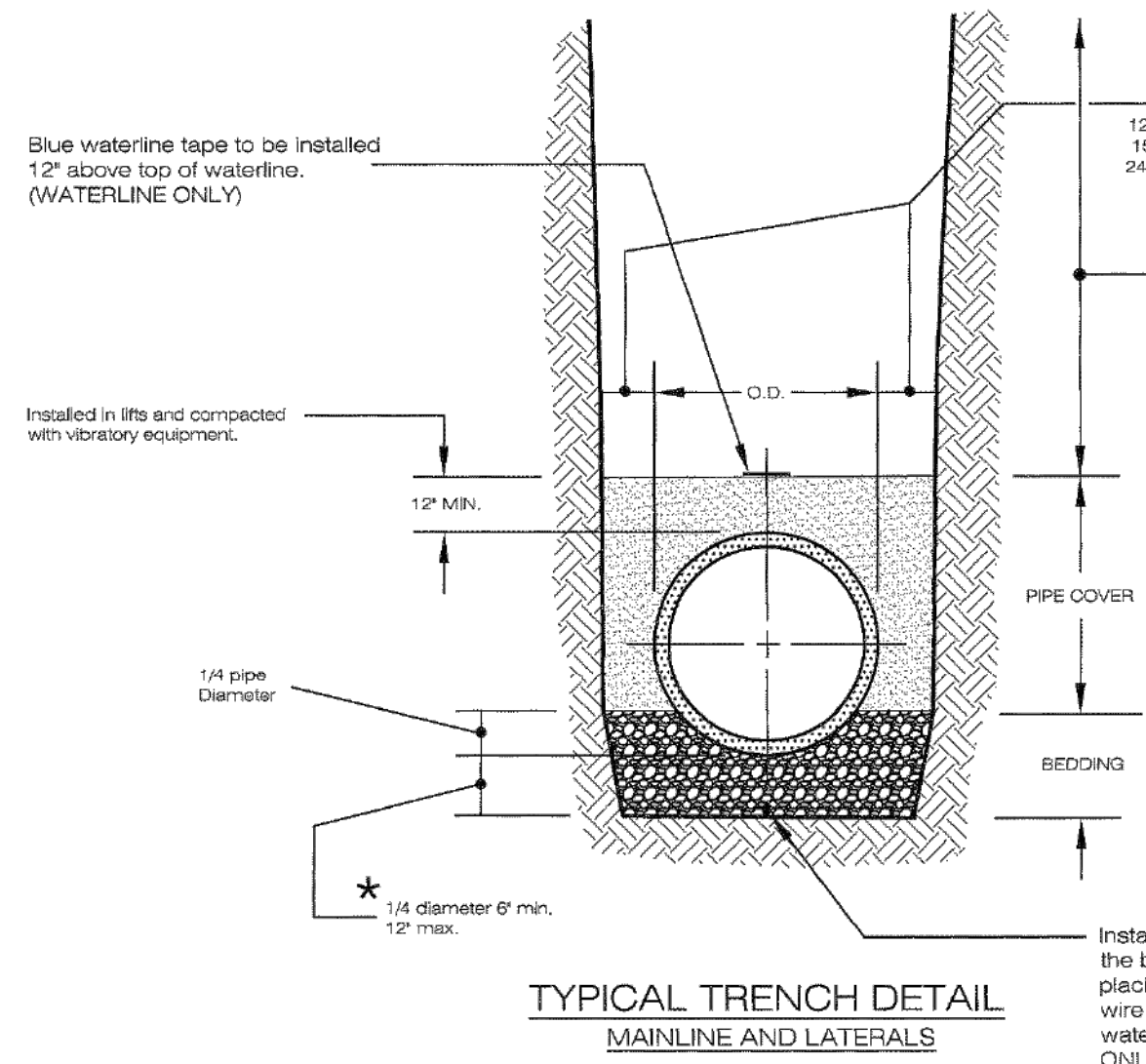
Laury Sullivan
 CITY OF NORTH RIDGEVILLE, ENGINEER

REV. NO.	DATE	BY	DESCRIPTION
1			
2			
3			

CITY OF NORTH RIDGEVILLE, OHIO
 DEPARTMENT OF ENGINEERING

STANDARD No. 3 HEADWALL

SCALE: NOT TO SCALE DATE: 10/01/08 | DRAWN BY: JAB/TEB | **STM-12**



Premium backfill shall be used under all existing or proposed pavements including, driveways, sidewalks and service walks. Premium shall extend 3' beyond edge of all roadway pavement (existing or proposed). The use of L.S.M. For backfill may be required and will be determined by the City Engineer.

Low Strength Mortar Backfill
 When the use of flowable fill is directed by the Engineer within the limits of the pavement, the material used shall be Low Strength Mortar Backfill, Type 2 per current O.D.O.T. Construction and Material Specifications, except as modified herein.
The use of Foundry Sand or Slag is strictly prohibited.

Notes:
 * Lateral connections to have a minimum bedding depth of 6" coarse aggregate.
 A clay dam shall be installed as directed by the City of North Ridgeville inspector for all sanitary and storm connections.

All Material substitutions must be approved by the City Engineer.

Premium backfill shall consist of course interlocking aggregate O.D.O.T #304 or Low Strength Mortar backfill, Type 2.
 Pipe cover shall consist of course interlocking aggregate no. 57, #6 and #8 (lateral connections only).
 Bedding shall consist of course interlocking aggregate No. 57, or 5 for 60" or smaller diameter pipe, for 66" or larger diameter pipe No. 4, #57 and #8 aggregate may also be used.

Laury Sullivan
 CITY OF NORTH RIDGEVILLE, ENGINEER

REV. NO.	DATE	BY	DESCRIPTION
1			

CITY OF NORTH RIDGEVILLE, OHIO
 DEPARTMENT OF ENGINEERING

TRENCH DETAIL

SCALE: NOT TO SCALE DATE: 10/01/08 | DRAWN BY: JAB/TEB | **MIS-1**

REV.	DATE	BY	DESCRIPTION
1	11-10-2023	BDA	ISSUE FOR CLIENT REVIEW
2	02-16-2024	BDA	ISSUE FOR CITY REVIEW
3	02-19-2024	BDA	ISSUE FOR CITY REVIEW

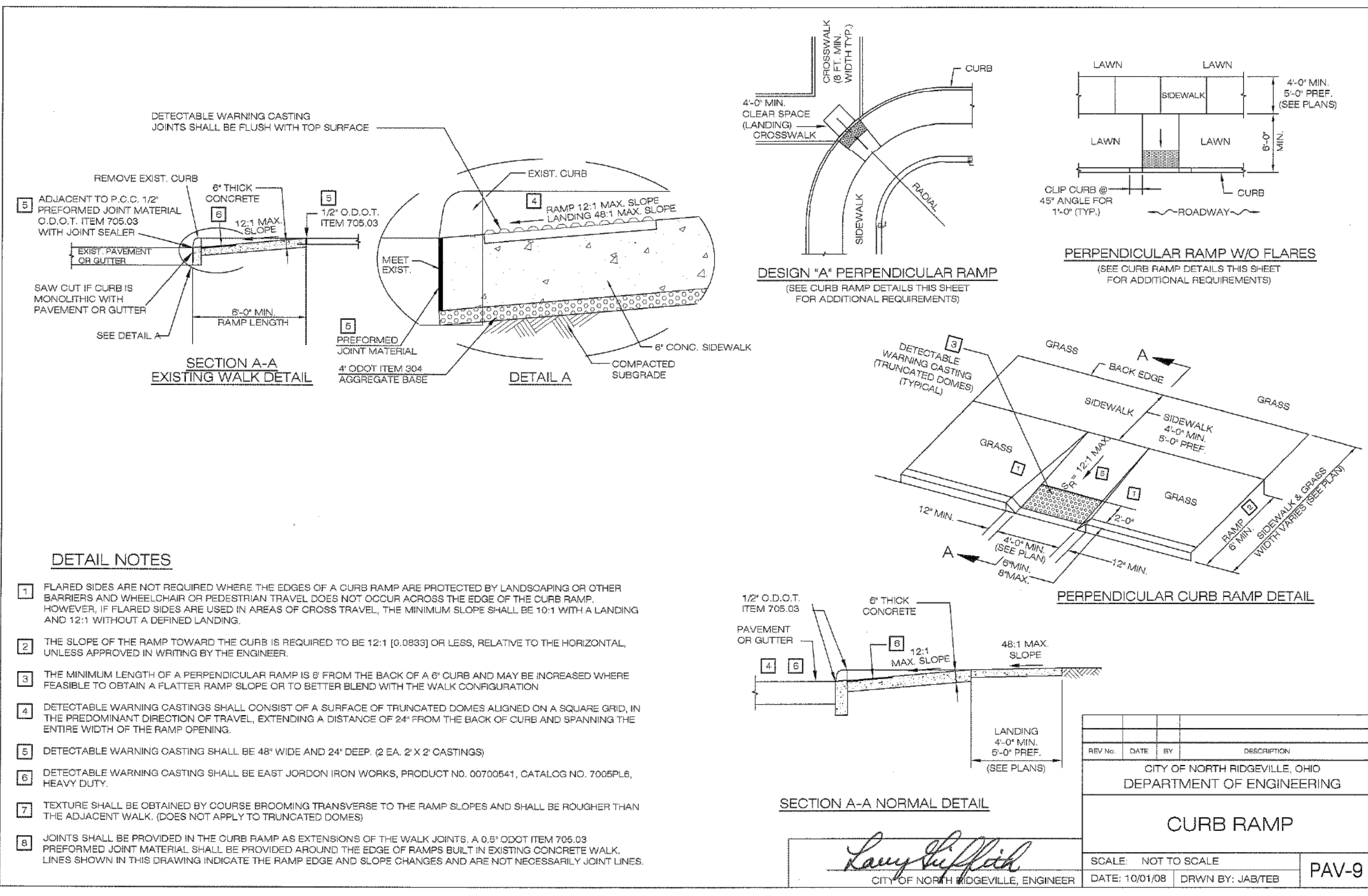
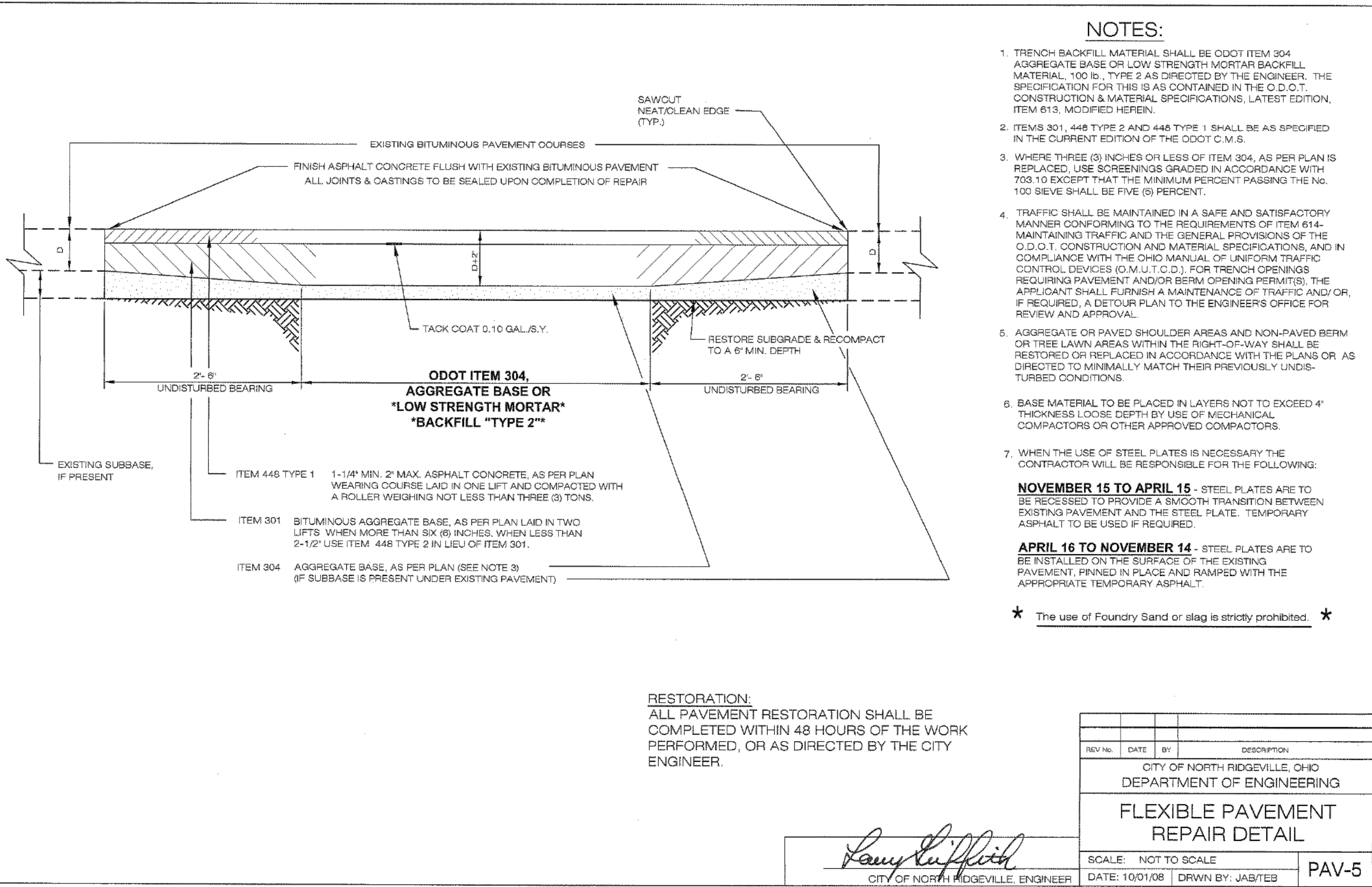
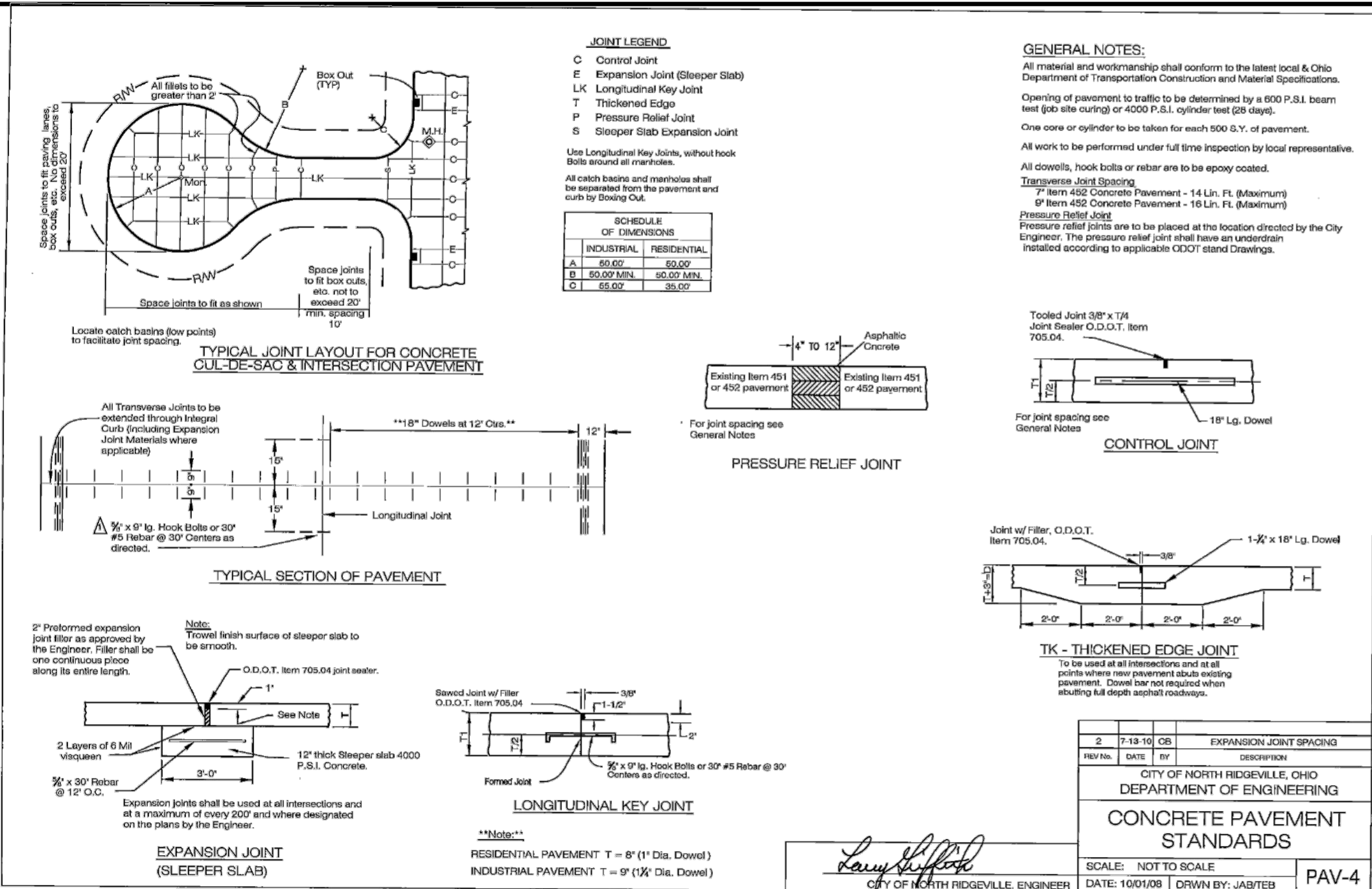
RAFTER A, LTD
 LAND SURVEYING - ENGINEERING - TESTING
 42653 Oberlin-Elyria Road, Oberlin, Ohio 44074
 440-707-4014 • www.raftera.com • info@raftera.com

CITY OF NORTH RIDGEVILLE
 PARKS & RECREATION DEPARTMENT
 7327 AVON BELDEN ROAD
 NORTH RIDGEVILLE, OHIO 44089

CITY OF NORTH RIDGEVILLE
 PARKS DEPARTMENT
 ROOT ROAD PARK PAVEMENT
 & SITE IMPROVEMENTS
MISCELLANEOUS DETAILS
 8949 ROOT ROAD, NORTH RIDGEVILLE, OHIO 44089

DRAWN BY: BDA
 CHECKED BY: RAF
 RAF JOB No: 3128-23

SHEET: **C7.2**



RAFTER A, LTD
 LAND SURVEYING - ENGINEERING - TESTING
 42653 Oberlin-Elyria Road, Oberlin, Ohio 44074
 440-707-4014 • www.raftera.com • info@raftera.com

CITY OF NORTH RIDGEVILLE
 PARKS & RECREATION DEPARTMENT
 7327 AVON BELDEN ROAD
 NORTH RIDGEVILLE, OHIO 44099

CITY OF NORTH RIDGEVILLE
 PARKS DEPARTMENT
 ROOT ROAD PARK PAVEMENT
 & SITE IMPROVEMENTS
MISCELLANEOUS DETAILS
 8949 ROOT ROAD, NORTH RIDGEVILLE, OHIO 44090

DRAWN BY: BDA
 CHECKED BY: RAF
 RAF JOB No: 3128-23

SHEET: **C7.3**

City of North Ridgeville Revenue Report

Accounts: 101.150.000000 to 890.800.510601

As Of: 1/1/2025 to 8/31/2025

Account Access Group: N/A

Include Inactive Accounts: No

Account	Description	Budget	MTD Revenue	YTD Revenue	Uncollected	% Collected
270 CEMETERY				Target Percent:	66.67%	
DEPT: 000						
270.000.500531	LOT SALES	\$17,000.00	\$1,650.00	\$7,550.00	\$9,450.00	44.41%
270.000.500532	BURIALS	\$15,000.00	\$1,125.00	\$8,025.00	\$6,975.00	53.50%
270.000.500547	CHARGES FOR SERVICES	\$5,500.00	\$200.00	\$3,925.00	\$1,575.00	71.36%
270.000.700110	INTEREST INCOME	\$9,000.00	\$922.88	\$8,263.92	\$736.08	91.82%
270.000.800300	REIMBURSEMENT STATE BURIAL, INDI	\$3,000.00	\$0.00	\$0.00	\$3,000.00	0.00%
270.000.800892	OTHER REVENUE	\$0.00	\$0.14	\$10.84	(\$10.84)	N/A
	DEPT: 000 Totals:	\$49,500.00	\$3,898.02	\$27,774.76	\$21,725.24	56.11%
270 Total:		\$49,500.00	\$3,898.02	\$27,774.76	\$21,725.24	56.11%
275 PARK & RECREATION TRUST				Target Percent:	66.67%	
DEPT: 000						
275.000.000000	PARK & REC TRUST FUND	\$0.00	\$0.00	\$0.00	\$0.00	N/A
275.000.400110	GRANT PROCEEDS	\$500.00	\$0.00	\$500.00	\$0.00	100.00%
275.000.500547	CHARGES FOR SERVICES	\$352,000.00	\$17,511.07	\$327,667.11	\$24,332.89	93.09%
275.000.500556	CONCESSION SALES	\$16,000.00	\$0.00	\$8,183.75	\$7,816.25	51.15%
275.000.700110	INTEREST INCOME	\$8,000.00	\$897.25	\$8,752.47	(\$752.47)	109.41%
275.000.800821	MERCHANT CONVENIENCE FEES	\$0.00	\$0.00	\$5,894.93	(\$5,894.93)	N/A
275.000.800892	OTHER REVENUE	\$0.00	\$107.95	\$711.77	(\$711.77)	N/A
	DEPT: 000 Totals:	\$376,500.00	\$18,516.27	\$351,710.03	\$24,789.97	93.42%
275 Total:		\$376,500.00	\$18,516.27	\$351,710.03	\$24,789.97	93.42%
280 PARK & RECREATION IMPROVEMENT				Target Percent:	66.67%	
DEPT: 000						
280.000.000000	PARK & REC IMP FUND	\$0.00	\$0.00	\$0.00	\$0.00	N/A
280.000.422130	P & R TRAIL GRANT PROCEEDS	\$0.00	\$0.00	\$0.00	\$0.00	N/A
280.000.620250	BUILDING FEES	\$35,000.00	\$1,000.00	\$14,000.00	\$21,000.00	40.00%
280.000.700110	INTEREST INCOME	\$7,000.00	\$538.34	\$5,695.22	\$1,304.78	81.36%
280.000.800892	OTHER REVENUE	\$0.00	\$0.00	\$0.00	\$0.00	N/A
	DEPT: 000 Totals:	\$42,000.00	\$1,538.34	\$19,695.22	\$22,304.78	46.89%
280 Total:		\$42,000.00	\$1,538.34	\$19,695.22	\$22,304.78	46.89%
890 TRUST MISCELLANEOUS				Target Percent:	66.67%	
DEPT: 000						
890.000.630601	PR MEMORIAL TREE PROGRAM	\$0.00	\$0.00	\$0.00	\$0.00	N/A
	DEPT: 000 Totals:	\$0.00	\$0.00	\$0.00	\$0.00	N/A

Revenue Report
As Of: 1/1/2025 to 8/31/2025

Account	Description	Budget	MTD Revenue	YTD Revenue	Uncollected	% Collected
890 Total:		\$0.00	\$0.00	\$0.00	\$0.00	N/A
Grand Total:		\$468,000.00	\$23,952.63	\$399,180.01	\$68,819.99	85.29%
					Target Percent:	66.67%

City of North Ridgeville Statement of Cash Position with MTD Totals

From: 1/1/2025 to 8/31/2025

Funds: 275 to 280

Include Inactive Accounts: No

Page Break on Fund: No

Fund	Description	Beginning Balance	Net Revenue MTD	Net Revenue YTD	Net Expenses MTD	Net Expenses YTD	Unexpended Balance	Encumbrance YTD	Ending Balance
275	PARK & RECREATION TRUST	\$324,938.27	\$18,516.27	\$351,710.03	\$31,820.35	\$309,520.09	\$367,128.21	\$83,815.83	\$283,312.38
280	PARK & RECREATION IMPROVEMENT	\$273,272.02	\$1,538.34	\$19,695.22	\$0.00	\$68,750.00	\$224,217.24	\$0.00	\$224,217.24
Grand Total:		<u>\$598,210.29</u>	<u>\$20,054.61</u>	<u>\$371,405.25</u>	<u>\$31,820.35</u>	<u>\$378,270.09</u>	<u>\$591,345.45</u>	<u>\$83,815.83</u>	<u>\$507,529.62</u>

City of North Ridgeville Expense Report

Accounts: 101.185.100101 to 101.185.417024

Account Access Group: N/A

As Of: 1/1/2025 to 8/31/2025

Include Inactive Accounts: No

Include Pre-Encumbrances: No

Account	Description	Budget	MTD Expense	YTD Expense	UnExp. Balance	Encumbrance	Unenc. Balance	% Used
101	GENERAL					Target Percent:	66.67%	
PARK & RECREATION								
101.185.100101	WAGES-SUPER	\$86,300.00	\$9,661.50	\$57,856.43	\$28,443.57	\$0.00	\$28,443.57	67.04%
101.185.100102	WAGES-STAFF	\$117,650.00	\$14,142.89	\$84,270.84	\$33,379.16	\$0.00	\$33,379.16	71.63%
101.185.100111	INCENTIVE PAY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	N/A
101.185.100117	RETIREE/SEPARATION	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	N/A
101.185.100120	OVERTIME	\$500.00	\$0.00	\$0.00	\$500.00	\$0.00	\$500.00	0.00%
101.185.100127	CT CASH OUT	\$2,500.00	\$0.00	\$0.00	\$2,500.00	\$0.00	\$2,500.00	0.00%
101.185.100128	COMP ABSENCES	\$500.00	\$0.00	\$0.00	\$500.00	\$0.00	\$500.00	0.00%
101.185.100130	LONGEVITY	\$2,300.00	\$0.00	\$0.00	\$2,300.00	\$0.00	\$2,300.00	0.00%
101.185.100190	OTHER COMP	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	N/A
101.185.120125	EMPLOYEE BENEFITS	\$59,900.00	\$4,503.17	\$38,323.88	\$21,576.12	\$815.91	\$20,760.21	65.34%
101.185.120127	EMPLOYER HSA CONTRIBU	\$3,500.00	\$0.00	\$3,500.00	\$0.00	\$0.00	\$0.00	100.00%
101.185.120155	RETIREMENT	\$33,000.00	\$2,479.38	\$20,936.28	\$12,063.72	\$0.00	\$12,063.72	63.44%
101.185.130100	MEMBERSHIP/EDUCATION	\$2,000.00	\$0.00	\$505.00	\$1,495.00	\$935.00	\$560.00	72.00%
101.185.130120	TRAVEL/TRANSPORTATION	\$1,500.00	\$0.00	\$285.33	\$1,214.67	\$432.67	\$782.00	47.87%
101.185.130130	UNIFORMS	\$380.00	\$0.00	\$349.00	\$31.00	\$26.00	\$5.00	98.68%
101.185.130150	PHYSICAL EXAMS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	N/A
101.185.210100	OFFICE SUPPLIES	\$1,098.45	\$0.00	\$862.44	\$236.01	\$236.01	\$0.00	100.00%
101.185.215100	OPERATING SUPPLIES	\$5,100.00	\$0.00	\$4,682.20	\$417.80	\$417.80	\$0.00	100.00%
101.185.215115	JANITORIAL SUPPLIES	\$4,037.35	\$24.90	\$1,457.05	\$2,580.30	\$2,580.30	\$0.00	100.00%
101.185.215240	FUEL	\$550.00	\$83.65	\$396.25	\$153.75	\$0.00	\$153.75	72.05%
101.185.215270	SMALL TOOLS / EQUIPMEN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	N/A
101.185.310110	ELECTRIC	\$48,400.00	\$2,847.95	\$31,533.59	\$16,866.41	\$10,466.41	\$6,400.00	86.78%
101.185.310120	WATER / SEWER	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	N/A
101.185.310130	NATURAL GAS / OIL	\$1,500.00	\$0.00	\$989.07	\$510.93	\$510.93	\$0.00	100.00%
101.185.315110	PHONE	\$885.84	\$52.80	\$422.40	\$463.44	\$447.04	\$16.40	98.15%
101.185.315120	CELLULAR PHONE / DATA	\$2,222.79	\$0.00	\$982.32	\$1,240.47	\$616.47	\$624.00	71.93%
101.185.315130	NETWORK / INTERNET / CA	\$973.61	\$76.61	\$612.88	\$360.73	\$355.05	\$5.68	99.42%
101.185.315140	ELECT. MEDIA/SUBSCRIPTI	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	N/A
101.185.315190	OTHER COMMUNICATIONS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	N/A
101.185.315200	ADVERTISING	\$647.13	\$0.00	\$147.13	\$500.00	\$500.00	\$0.00	100.00%
101.185.320110	M&R EQUIP CTY GARAGE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	N/A
101.185.320120	M&R EQUIPMENT - EXTERN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	N/A
101.185.320130	EQUIPMENT SRV PLANS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	N/A
101.185.320210	M&R VEHICLES-CTY GARA	\$2,000.00	\$0.00	\$893.44	\$1,106.56	\$0.00	\$1,106.56	44.67%
101.185.320420	M&R BUILDINGS	\$5,000.00	\$0.00	\$0.00	\$5,000.00	\$5,000.00	\$0.00	100.00%

Expense Report
As Of: 1/1/2025 to 8/31/2025

Account	Description	Budget	MTD Expense	YTD Expense	UnExp. Balance	Encumbrance	Unenc. Balance	% Used
101.185.320500	M&R LANDS & GROUNDS	\$71,137.36	\$4,330.47	\$36,733.84	\$34,403.52	\$18,381.91	\$16,021.61	77.48%
101.185.325100	EQUIPMENT RENTAL	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	N/A
101.185.330100	PROFESSIONAL SERVICE	\$48,734.95	\$1,272.73	\$24,401.73	\$24,333.22	\$9,489.38	\$14,843.84	69.54%
101.185.340100	INSURANCE	\$10,900.00	\$0.00	\$6,356.96	\$4,543.04	\$0.00	\$4,543.04	58.32%
101.185.350455	CUSTODIAL	\$50,593.75	\$4,131.75	\$32,953.25	\$17,640.50	\$17,412.50	\$228.00	99.55%
101.185.350800	IT LICENSES & SUPPORT	\$1,030.79	\$0.00	\$299.99	\$730.80	\$480.79	\$250.01	75.75%
101.185.360320	VEHICLE LEASE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	N/A
101.185.400030	EQUIPMENT LEASING	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	N/A
101.185.400031	MAINT/SVC AGREEMENTS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	N/A
101.185.400033	COPIERS/PRINTERS	\$5,007.82	\$55.87	\$2,412.28	\$2,595.54	\$1,474.38	\$1,121.16	77.61%
101.185.400050	EQUIPMENT OUTLAY	\$184,920.00	\$4,920.00	\$42,324.62	\$142,595.38	\$71,136.52	\$71,458.86	61.36%
101.185.417024	VICTORY PARK PAVING	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	N/A
	PARK & RECREATION Totals:	\$754,769.84	\$48,583.67	\$394,488.20	\$360,281.64	\$141,715.07	\$218,566.57	71.04%
101 Total:		\$754,769.84	\$48,583.67	\$394,488.20	\$360,281.64	\$141,715.07	\$218,566.57	71.04%
Grand Total:		\$754,769.84	\$48,583.67	\$394,488.20	\$360,281.64	\$141,715.07	\$218,566.57	71.04%

Target Percent: 66.67%

City of North Ridgeville Expense Report

Accounts: 275.380.100102 to 275.380.510050

Account Access Group: N/A

As Of: 1/1/2025 to 8/31/2025

Include Inactive Accounts: No

Include Pre-Encumbrances: No

Account	Description	Budget	MTD Expense	YTD Expense	UnExp. Balance	Encumbrance	Unenc. Balance	% Used
275	PARK & RECREATION TRUST					Target Percent:	66.67%	
PARK & RECREATION TRUST								
275.380.100102	WAGES-COMM EDUCATE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	N/A
275.380.100103	WAGES-SCP	\$73,300.00	\$15,569.72	\$53,006.46	\$20,293.54	\$0.00	\$20,293.54	72.31%
275.380.120125	EMPLOYEE BENEFITS	\$2,550.00	\$225.75	\$1,427.75	\$1,122.25	\$300.83	\$821.42	67.79%
275.380.120155	RETIREMENT	\$10,300.00	\$2,280.56	\$6,404.26	\$3,895.74	\$0.00	\$3,895.74	62.18%
275.380.210100	OFFICE SUPPLIES	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	N/A
275.380.215100	OPERATING SUPPLIES	\$8,200.00	\$0.00	\$8,181.68	\$18.32	\$0.00	\$18.32	99.78%
275.380.215201	BB-SUPP/EXP	\$23,000.00	\$0.00	\$19,610.63	\$3,389.37	\$463.37	\$2,926.00	87.28%
275.380.215204	COM ED-SUPP/EXP	\$15,686.65	\$464.72	\$8,410.69	\$7,275.96	\$4,796.20	\$2,479.76	84.19%
275.380.215208	SPECIAL EVENTS	\$53,047.87	\$0.00	\$18,768.19	\$34,279.68	\$19,129.18	\$15,150.50	71.44%
275.380.215212	SPORTS-SUPP/EXP	\$102,220.77	\$4,241.00	\$61,830.84	\$40,389.93	\$30,708.86	\$9,681.07	90.53%
275.380.215216	CLINICS-SUPP/EXP	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	N/A
275.380.215219	CONCESSIONS-SUPP/EXP	\$13,500.00	\$741.52	\$10,516.52	\$2,983.48	\$187.48	\$2,796.00	79.29%
275.380.215270	SMALL TOOLS / EQUIPMEN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	N/A
275.380.315110	PHONE	\$400.00	\$0.00	\$0.00	\$400.00	\$400.00	\$0.00	100.00%
275.380.315120	CELLULAR PHONE / DATA	\$1,902.72	\$0.00	\$821.76	\$1,080.96	\$540.96	\$540.00	71.62%
275.380.315130	NETWORK / INTERNET / CA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	N/A
275.380.315140	ELECT. MEDIA/SUBSCRIPTI	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	N/A
275.380.315190	OTHER COMMUNICATIONS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	N/A
275.380.315300	POSTAGE	\$500.00	\$0.00	\$0.00	\$500.00	\$0.00	\$500.00	0.00%
275.380.315403	BROCHURES ETC	\$2,686.96	\$0.00	\$436.96	\$2,250.00	\$0.00	\$2,250.00	16.26%
275.380.325200	FACILITY RENTAL	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	N/A
275.380.330100	PROFESSIONAL SERVICES	\$12,780.53	\$0.00	\$9,434.25	\$3,346.28	\$2,918.78	\$427.50	96.66%
275.380.350112	MERCHANT SERVICE FEES	\$793.18	\$85.73	\$828.91	(\$35.73)	\$0.00	(\$35.73)	104.50%
275.380.350113	CONVENIENCE FEES	\$8,706.82	\$0.00	\$6,710.33	\$1,996.49	\$0.00	\$1,996.49	77.07%
275.380.350201	BB-CONTRACT SVC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	N/A
275.380.350204	COM ED-CONTRACT SVCS	\$40,137.91	\$3,466.35	\$29,379.15	\$10,758.76	\$4,205.76	\$6,553.00	83.67%
275.380.350212	SPORTS-CONTRACT SVCS	\$50,000.00	\$4,745.00	\$39,498.69	\$10,501.31	\$1,957.81	\$8,543.50	82.91%
275.380.350216	CLINICS-CONTRACT SVCS	\$12,000.00	\$0.00	\$5,741.40	\$6,258.60	\$6,258.60	\$0.00	100.00%
275.380.350219	CONCESSIONS-CONTRACT	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	N/A
275.380.350800	IT LICENSES & SUPPORT	\$4,100.00	\$0.00	\$4,095.00	\$5.00	\$0.00	\$5.00	99.88%
275.380.350807	OTHER - SFTWR EXP	\$2,934.00	\$0.00	\$1,716.00	\$1,218.00	\$1,198.00	\$20.00	99.32%
275.380.400030	EQUIPMENT LEASING	\$10,750.00	\$0.00	\$0.00	\$10,750.00	\$10,750.00	\$0.00	100.00%
275.380.400031	MAINT/SVC AGREEMENTS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	N/A
275.380.400050	EQUIPMENT OUTLAY	\$26,700.00	\$0.00	\$22,700.62	\$3,999.38	\$0.00	\$3,999.38	85.02%
275.380.415304	SD ACCESSIBLE WALKWAY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	N/A

Expense Report
As Of: 1/1/2025 to 8/31/2025

Account	Description	Budget	MTD Expense	YTD Expense	UnExp. Balance	Encumbrance	Unenc. Balance	% Used
275.380.510050	REFUNDS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	N/A
	PARK & RECREATION TRUST Totals:	<u>\$476,197.41</u>	<u>\$31,820.35</u>	<u>\$309,520.09</u>	<u>\$166,677.32</u>	<u>\$83,815.83</u>	<u>\$82,861.49</u>	<u>82.60%</u>
275 Total:		\$476,197.41	\$31,820.35	\$309,520.09	\$166,677.32	\$83,815.83	\$82,861.49	82.60%
Grand Total:		\$476,197.41	\$31,820.35	\$309,520.09	\$166,677.32	\$83,815.83	\$82,861.49	82.60%
						Target Percent:	66.67%	