



Parks & Recreation Commission
AGENDA FOR FEBRUARY 28, 2024
NORTH RIDGEVILLE SENIOR CENTER
7:30 PM

- I. CALL TO ORDER
- II. PLEDGE OF ALLEGIANCE
- III. ROLL CALL
- IV. FINALIZATION OF AGENDA
- V. APPROVAL OF MINUTES
- VI. LOBBY
- VII. REPORTS
 - A. COUNCIL LIAISON'S REPORT
 - B. SCHOOL BOARD LIAISON'S REPORT
 - C. FINANCIAL REPORT
 - D. DIRECTORS REPORT
 - E. RECREATION SUPERVISOR REPORT
 - F. GROUNDS MAINTENANCE REPORT
- VIII. OLD BUSINESS
- IX. NEW BUSINESS
- X. ADJOURNMENT

Parks & Recreation Commission
MINUTES OF REGULAR MEETING: JANUARY 24, 2024



The Parks and Recreation Commission Meeting was called to order by Vice Chairman Keriann Roach at 7:30p.m.

ROLL CALL:

Jeff Grigsby, Jill Timoteo, Georgia Awig, Keriann Roach and Parks and Recreation Director Kevin Fougousse.

Excused Absence: Douglas Hayes

FINALIZATION OF AGENDA:

Motion by Roach, 2nd by Timoteo for approval of Agenda.

4 – Yes, 0 – No

ELECTION OF OFFICERS:

Board Member Jeff Grigsby nominated Douglas Hayes for Chairman, with a 2nd by Timoteo.

4–Yes, 0–No

Douglas Hayes will serve as Chairman for 1 year.

Board Member Keriann Roach nominated Jill Timoteo for Vice-Chairman, with a 2nd by Grigsby

4–Yes, 0–No,

Jill Timoteo will serve as Vice-Chairman for 1 year

APPROVAL OF MINUTES:

Approval of minutes for our regularly scheduled commission meeting that was held on Wednesday, December 6, 2023.

Motion by Awig, 2nd by Roach for approval of minutes from our commission meeting that was held on Wednesday, December 6, 2023.

4-Yes, 0-No

LOBBY:

No report.

REPORTS:

COUNCIL LIAISONS REPORT:

Councilwoman Georgia Awig mentioned that soon the new police department will be completed. Once completed they will do renovations in the current police department that will house the engineering and building departments. There is a monthly newsletter now. City is currently working on a new website that will come out hopefully in the 1st quarter of this year. Coffee and Conversation with the Mayor is February 12.

SCHOOL BOARD LIAISONS REPORT:

Jeff Grigsby reported that the school district/panel chose TDA to be the architect for the new high school/transportation facility. There were tours done again at Willoughby South and also Eastlake North. Separately they did a tour of the transportation facility in Strongsville. Liberty Schools received a grant last year to install doors on the facility. This year they got funding to build permanent partitions at Liberty that have insulation and provide a stronger sound barrier for teaching. Liberty will also add 8 trailers to the school to accommodate growth in the school. The next meeting will be February 6th.

FINANCIAL REPORT:

Parks and Recreation Director Kevin Fougrousse discussed the revenues and expenses from 2023. Trust Fund revenue in November of 2023 was \$22,241.90 and in December of 2023 was 20,175.18. Trust Fund unencumbered balance at the end of 2023 was \$314,614.26. The Park and Recreation Improvement Fund revenue in November of 2023 was \$1,453.34 and in December of 2023 it was \$2,204.73. The Park and Recreation Improvement Fund unencumbered balance at the end of 2023 was \$281,051.26. Our General Fund expenses in November 2023 were \$67,660.90 and in December of 2023 were \$58,340.71. Trust Fund expenses in November 2023 were \$23,252.08 and in December of 2023 expenses were 15,803.20.

DIRECTORS REPORT:

Parks and Recreation Director Kevin Fougrousse announced that the City is moving forward with the TLCI Planning Grant. NOACA and the City hired Envision Group to oversee the project. The Steering Committee will have held their first meeting on Thursday, January 18 with Envision Group. We are excited to finally start this project after a 2-year wait.

RECREATION SUPERVISOR REPORT:

NR Youth Lacrosse Program is open to kids from 3rd-8th grade. We currently have 10 in Bantam (3rd & 4th Grade), 14 in Youth (5th & 6th Grade) and 09 in Middle School (7th & 8th Grade). NRHS Lacrosse Program is a club team and currently has 04 pre-registered. Our Junior Golf Lessons runs January 16-February 20 and have 08 kids registered. Our Daddy-Daughter Dance will be held on Saturday, February 3 from 7:00-9:00PM at the NRAC Cafetorium. Daddy-Daughter Dance is full with 155 couples. All Levels Yoga started on January 4 and the class has 14 pre-registered. Ashtanga Yoga started January 9th and has 06 enrolled. Restorative Yoga started on January 9 and runs through February 27. The program has 08 enrolled. Restorative Sound Bath was held on January 22 and we had 22 enrolled.

GROUND MAINTENANCE REPORT:

Marc Allen reported that they are installing 2 furnaces at the service garage. Will be getting a quote for a new mini-split to install at the Community Cabin in South Central Park. We lost Zach Merkosky a long-time employee with the City. He accepted a new job with the City of Lakewood. Been helping the Police Department assemble chairs, tables, etc. for the new Police Station.

Parks & Recreation Commission
MINUTES OF REGULAR MEETING: JANUARY 24, 2024



OLD BUSINESS:

NEW BUSINESS:

Keriann Roach asked about the status of Olde Town Hall. Marc Allen mentioned a meeting was being set-up to get an update. Electrical upgrades were being done and completed.

ADJOURNMENT: Meeting adjourned at 7:49PM

TRUST FUND REVENUE (275):

| Month | 2023 Fiscal Year | 2024 Fiscal Year | Difference + / - | Percentage +/- |
|---------|------------------|------------------|------------------|----------------|
| January | \$30,428.79 | \$42,795.43 | (+) \$12,366.64 | (+) 40.64% |

Unencumbered balance through January 2023: \$213,892.37

PARK AND RECREATION IMPROVEMENT FUND REVENUE (280):

| Month | 2023 Fiscal Year | 2024 Fiscal Year | Difference + / - | Percentage +/- |
|---------|------------------|------------------|------------------|----------------|
| January | \$6,899.28 | \$4,633.44 | (-) \$2,265.84 | (-) 32.84% |

Unencumbered balance through January 2023: \$281,051.26

GENERAL FUND EXPENSES (185):

| Month | 2023 Fiscal Year | 2024 Fiscal Year |
|---------|------------------|------------------|
| January | \$75,028.40 | \$41,971.64 |

TRUST FUND EXPENSES (275):

| Month | 2023 Fiscal Year | 2024 Fiscal Year |
|---------|------------------|------------------|
| January | \$22,798.28 | \$15,911.56 |

DIRECTORS REPORT:

Root Road Park Parking Lot Project:

Do the initial cost of the Parking Lot at Root Road Park we initiated a conversation with Brent Anderson at Rafter to revise the plans with the potential for a lower price tag. We received revised plans on the week of February 12 and are currently waiting for the updated estimate. I have provided the revised plans to the commission.

South Central Park Playground Project:

We have finished the RFP for the South-Central Park Playground Project. We are looking to advertise within the next couple of weeks for the project. The Department hired GPD Group to help construct the RFP and put together the criteria architecture behind the design build.

PROGRAM REPORT:

Program Name: Baseball Hitting Clinic

Instructor: Mike Byrne

Date: March 3 – March 24

Current Enrollment:

6-8 yr. olds: 09

9-11 yr. olds: 10

12-14 yr. olds: 01

Program Description:

These hitting clinics are designed to improve one's skills while participating in a number of drills/exercises geared towards enhancing the player's performance. These drills will be done under the supervision of Mike Byrne. Mike is a youth baseball coach with over 10 years of experience running hitting clinics and coaching high school and travel programs.

Program Name: Jr. Browns Flag Football – K-2nd Grade

Date: April - May

Current Enrollment: 72

Program Description:

Our flag football league partners with the Cleveland Browns and NFL Flag. All teams will receive an official NFL team-branded jersey and flag belts. Teams will compete in a 6-week league with North Olmsted Parks and Recreation, Fairview Park Recreation and Avon Lake. Teams will practice during the week with games being played on Saturdays.

Program Name: Jr. Browns Flag Football – 3rd & 4th / 5th & 6th Grade

Date: April - May

Current Enrollment:

3rd & 4th Grade: 27

5th & 6th Grade: 14

Program Description:

Our flag football league partners with the Cleveland Browns and NFL Flag. All teams will receive an official NFL team-branded jersey and flag belts. Teams will compete in a 6-week league with North Olmsted Parks and Recreation Fairview Park Recreation and Avon Lake. Teams will practice during the week with games being played on Saturdays.

Program Name: Jr. Browns Flag Football – 3rd & 4th / 5th & 6th Grade

Date: April - May

Current Enrollment:

3rd & 4th Grade: 27

5th & 6th Grade: 15

Program Description:

Our flag football league partners with the Cleveland Browns and NFL Flag. All teams will receive an official NFL team-branded jersey and flag belts. Teams will compete in a 6-week league with North Olmsted Parks and Recreation Fairview Park Recreation and Avon Lake. Teams will practice during the week with games being played on Saturdays.

Program Name: Gridiron Girls Youth Flag Football

Date: April - June

Current Enrollment:

1st & 2nd Grade: 05

3rd & 4th Grade: 02

5th & 6th Grade: 05

Program Description:

The Cleveland Browns are working throughout Northeast Ohio to promote girls flag football. The goal is to have the sport fully sanctioned as a high school sport by OHSAA in the near future. This youth league will hopefully generate interest for high schools to add the sport at their schools. We will partner with surrounding communities Berea, Avon Lake, Fairview, North Olmsted and Olmsted Falls. Teams will compete in a 6-week league. Teams will practice during the week (practice day/time chosen by coach) with games being played on Sundays.

Program Name: Little Rangers Instructional Basketball

Instructor: NRHS Girls Varsity Basketball Team & Coaching Staff

Date: April 10 – May 15

Current Enrollment:

Pre K-K: 33

1st& 2nd Grade: 03

Program Description:

NRHS Girls Varsity Head Coach Amy Esser along with her staff and HS players will lead the Little Rangers program this spring for students in grades Pre-K to 2nd Grade. Players will learn fundamental skills that include but are not limited to: dribbling, shooting, passing, and defensive principles. These will be instructional sessions that will include drill work and games to help improve their basketball skills. We ask that all players bring their own basketball. Jr. Size (25.5) for Pre K-K and youth size (27.5) for 1st and 2nd Grade.

Program Name: Daddy Daughter Dance, Theme Candyland

Date: February 3RD, 2024

Time: 7:00PM-9:00PM

Enrollment: 163 Couples

Program Description:

Dads came out to enjoy an evening all dressed up with their special little girl. Light refreshments were served, plenty of dancing was done and a photographer was present to capture the evening full of memories.

Program Name: Tots Yoga

Date: 02/21/2024

Time: 6:00-7:00PM

Enrollment: 5

Program Description:

Join Brandy Reichman for Tots Yoga. Children ages 3-6 will use story time to learn different yoga poses and strategies to help them develop body awareness, self-control, flexibility and strength. This program is designed to enhance their creativity, confidence and coordination through the duration of class. Child will receive the book used during class to take home. Minimal parental involvement encouraged.

Program Name: Spinning WED

Date: 03/06/2024 – 04/10/2024

Time: 6:00-7:30PM

Current Enrollment: 12 (Class is Full)

Program Description:

When in need of a challenging workout, innovative equipment, or a flat-out fun experience, look to Spinning and start enjoying the benefits of indoor cycling. This class is a great cardiovascular workout. Pedal through hill climbs, sprints, and many other challenging drills and exercises. An indoor cycling class set to exciting music tracks and choreographed to provide an excellent workout and improve cardiovascular conditioning. Each session is 6 weeks. Please bring a water bottle and towel.

City of North Ridgeville Revenue Report

Accounts: 101.150.000000 to 890.800.510601

As Of: 1/1/2024 to 1/31/2024

Include Inactive Accounts: No

| Account | Description | Budget | MTD Revenue | YTD Revenue | Uncollected | % Collected |
|----------------|----------------------------------|--------------|-------------|-----------------|--------------|-------------|
| 270 | CEMETERY | | | Target Percent: | 8.33% | |
| DEPT: 000 | | | | | | |
| 270.000.500531 | LOT SALES | \$15,000.00 | \$1,200.00 | \$1,200.00 | \$13,800.00 | 8.00% |
| 270.000.500532 | BURIALS | \$13,000.00 | \$825.00 | \$825.00 | \$12,175.00 | 6.35% |
| 270.000.500547 | CHARGES FOR SERVICES | \$5,500.00 | \$0.00 | \$0.00 | \$5,500.00 | 0.00% |
| 270.000.700110 | INTEREST INCOME | \$7,000.00 | \$814.42 | \$814.42 | \$6,185.58 | 11.63% |
| 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 | \$0.00 | \$0.00 | \$0.00 | N/A |
| | DEPT: 000 Totals: | \$43,500.00 | \$2,839.42 | \$2,839.42 | \$40,660.58 | 6.53% |
| 270 Total: | | \$43,500.00 | \$2,839.42 | \$2,839.42 | \$40,660.58 | 6.53% |
| 275 | PARK & RECREATION TRUST | | | Target Percent: | 8.33% | |
| 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 | \$0.00 | \$500.00 | 0.00% |
| 275.000.500547 | CHARGES FOR SERVICES | \$318,500.00 | \$42,071.50 | \$42,071.50 | \$276,428.50 | 13.21% |
| 275.000.500556 | CONCESSION SALES | \$10,000.00 | \$0.00 | \$0.00 | \$10,000.00 | 0.00% |
| 275.000.700110 | INTEREST INCOME | \$8,000.00 | \$723.93 | \$723.93 | \$7,276.07 | 9.05% |
| 275.000.800892 | OTHER REVENUE | \$0.00 | \$0.00 | \$0.00 | \$0.00 | N/A |
| | DEPT: 000 Totals: | \$337,000.00 | \$42,795.43 | \$42,795.43 | \$294,204.57 | 12.70% |
| 275 Total: | | \$337,000.00 | \$42,795.43 | \$42,795.43 | \$294,204.57 | 12.70% |
| 280 | PARK & RECREATION IMPROVEMENT | | | Target Percent: | 8.33% | |
| 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 | \$34,000.00 | \$4,000.00 | \$4,000.00 | \$30,000.00 | 11.76% |
| 280.000.700110 | INTEREST INCOME | \$5,600.00 | \$633.44 | \$633.44 | \$4,966.56 | 11.31% |
| 280.000.800892 | OTHER REVENUE | \$0.00 | \$0.00 | \$0.00 | \$0.00 | N/A |
| | DEPT: 000 Totals: | \$39,600.00 | \$4,633.44 | \$4,633.44 | \$34,966.56 | 11.70% |
| 280 Total: | | \$39,600.00 | \$4,633.44 | \$4,633.44 | \$34,966.56 | 11.70% |
| 890 | TRUST MISCELLANEOUS | | | Target Percent: | 8.33% | |
| DEPT: 000 | | | | | | |
| 890.000.630601 | PR MEMORIAL TREE PROGRAM | \$1,000.00 | \$0.00 | \$0.00 | \$1,000.00 | 0.00% |
| | DEPT: 000 Totals: | \$1,000.00 | \$0.00 | \$0.00 | \$1,000.00 | 0.00% |
| 890 Total: | | \$1,000.00 | \$0.00 | \$0.00 | \$1,000.00 | 0.00% |

Revenue Report
As Of: 1/1/2024 to 1/31/2024

| Account | Description | Budget | MTD Revenue | YTD Revenue | Uncollected | % Collected |
|-----------------|-------------|--------------|-------------|-------------|--------------|-------------|
| Grand Total: | | \$421,100.00 | \$50,268.29 | \$50,268.29 | \$370,831.71 | 11.94% |
| Target Percent: | | | | | | 8.33% |

City of North Ridgeville

Statement of Cash Position with MTD Totals

From: 1/1/2024 to 1/31/2024

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 | \$331,644.48 | \$42,795.43 | \$42,795.43 | \$15,911.56 | \$15,911.56 | \$358,528.35 | \$144,635.98 | \$213,892.37 |
| 280 | PARK & RECREATION IMPROVEMENT | \$284,709.33 | \$4,633.44 | \$4,633.44 | \$0.00 | \$0.00 | \$289,342.77 | \$0.00 | \$289,342.77 |
| Grand Total: | | \$616,353.81 | \$47,428.87 | \$47,428.87 | \$15,911.56 | \$15,911.56 | \$647,871.12 | \$144,635.98 | \$503,235.14 |

City of North Ridgeville Expense Report

Accounts: 101.185.100101 to 101.185.417024

Account Access Group: N/A

As Of: 1/1/2024 to 1/31/2024

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: | 8.33% | |
| PARK & RECREATION | | | | | | | | |
| 101.185.100101 | WAGES-SUPER | \$82,200.00 | \$6,030.01 | \$6,030.01 | \$76,169.99 | \$0.00 | \$76,169.99 | 7.34% |
| 101.185.100102 | WAGES-STAFF | \$97,300.00 | \$7,142.59 | \$7,142.59 | \$90,157.41 | \$0.00 | \$90,157.41 | 7.34% |
| 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 | \$2,100.00 | \$0.00 | \$0.00 | \$2,100.00 | \$0.00 | \$2,100.00 | 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 | \$71,600.00 | \$5,379.57 | \$5,379.57 | \$66,220.43 | \$3,150.00 | \$63,070.43 | 11.91% |
| 101.185.120127 | EMPLOYER HSA CONTRIBU | \$2,250.00 | \$2,250.00 | \$2,250.00 | \$0.00 | \$0.00 | \$0.00 | 100.00% |
| 101.185.120155 | RETIREMENT | \$29,450.00 | \$5,968.39 | \$5,968.39 | \$23,481.61 | \$0.00 | \$23,481.61 | 20.27% |
| 101.185.130100 | MEMBERSHIP/EDUCATION | \$2,500.00 | \$370.00 | \$370.00 | \$2,130.00 | \$0.00 | \$2,130.00 | 14.80% |
| 101.185.130120 | TRAVEL/TRANSPORTATION | \$1,500.00 | \$128.00 | \$128.00 | \$1,372.00 | \$339.20 | \$1,032.80 | 31.15% |
| 101.185.130130 | UNIFORMS | \$316.50 | \$28.60 | \$28.60 | \$287.90 | \$286.90 | \$1.00 | 99.68% |
| 101.185.130150 | PHYSICAL EXAMS | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | N/A |
| 101.185.210100 | OFFICE SUPPLIES | \$1,095.31 | \$8.50 | \$8.50 | \$1,086.81 | \$1,086.81 | \$0.00 | 100.00% |
| 101.185.215100 | OPERATING SUPPLIES | \$5,268.48 | \$37.84 | \$37.84 | \$5,230.64 | \$4,330.64 | \$900.00 | 82.92% |
| 101.185.215115 | JANITORIAL SUPPLIES | \$3,265.11 | \$0.00 | \$0.00 | \$3,265.11 | \$3,265.11 | \$0.00 | 100.00% |
| 101.185.215240 | FUEL | \$2,500.00 | \$37.38 | \$37.38 | \$2,462.62 | \$0.00 | \$2,462.62 | 1.50% |
| 101.185.215270 | SMALL TOOLS / EQUIPMEN | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | N/A |
| 101.185.310110 | ELECTRIC | \$44,473.43 | \$6,406.55 | \$6,406.55 | \$38,066.88 | \$36,066.88 | \$2,000.00 | 95.50% |
| 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 | \$1,710.23 | \$155.89 | \$155.89 | \$1,554.34 | \$1,554.34 | \$0.00 | 100.00% |
| 101.185.315110 | PHONE | \$870.00 | \$0.00 | \$0.00 | \$870.00 | \$840.00 | \$30.00 | 96.55% |
| 101.185.315120 | CELLULAR PHONE / DATA | \$3,123.02 | \$165.23 | \$165.23 | \$2,957.79 | \$357.79 | \$2,600.00 | 16.75% |
| 101.185.315130 | NETWORK / INTERNET / CA | \$0.30 | \$0.00 | \$0.00 | \$0.30 | \$0.30 | \$0.00 | 100.00% |
| 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 | \$500.00 | \$0.00 | \$0.00 | \$500.00 | \$250.00 | \$250.00 | 50.00% |
| 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 | \$3,000.00 | \$556.49 | \$556.49 | \$2,443.51 | \$0.00 | \$2,443.51 | 18.55% |
| 101.185.320420 | M&R BUILDINGS | \$5,100.00 | \$0.00 | \$0.00 | \$5,100.00 | \$4,661.00 | \$439.00 | 91.39% |

Expense Report
As Of: 1/1/2024 to 1/31/2024

| Account | Description | Budget | MTD Expense | YTD Expense | UnExp. Balance | Encumbrance | Unenc. Balance | % Used |
|----------------|---------------------------|---------------------|--------------------|--------------------|---------------------|---------------------|---------------------|---------------|
| 101.185.320500 | M&R LANDS & GROUNDS | \$73,932.56 | \$1,175.36 | \$1,175.36 | \$72,757.20 | \$23,877.20 | \$48,880.00 | 33.89% |
| 101.185.325100 | EQUIPMENT RENTAL | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | N/A |
| 101.185.330100 | PROFESSIONAL SERVICE | \$12,830.69 | \$988.31 | \$988.31 | \$11,842.38 | \$10,218.38 | \$1,624.00 | 87.34% |
| 101.185.340100 | INSURANCE | \$5,000.00 | \$0.00 | \$0.00 | \$5,000.00 | \$0.00 | \$5,000.00 | 0.00% |
| 101.185.350455 | CUSTODIAL | \$50,295.48 | \$4,002.86 | \$4,002.86 | \$46,292.62 | \$46,064.62 | \$228.00 | 99.55% |
| 101.185.350800 | IT LICENSES & SUPPORT | \$200.00 | \$0.00 | \$0.00 | \$200.00 | \$179.99 | \$20.01 | 90.00% |
| 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 | \$4,191.61 | \$1,140.07 | \$1,140.07 | \$3,051.54 | \$3,051.54 | \$0.00 | 100.00% |
| 101.185.400050 | EQUIPMENT OUTLAY | \$6,000.00 | \$0.00 | \$0.00 | \$6,000.00 | \$5,846.49 | \$153.51 | 97.44% |
| 101.185.417024 | VICTORY PARK PAVING | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | N/A |
| | PARK & RECREATION Totals: | <u>\$516,072.72</u> | <u>\$41,971.64</u> | <u>\$41,971.64</u> | <u>\$474,101.08</u> | <u>\$145,427.19</u> | <u>\$328,673.89</u> | <u>36.31%</u> |
| 101 Total: | | \$516,072.72 | \$41,971.64 | \$41,971.64 | \$474,101.08 | \$145,427.19 | \$328,673.89 | 36.31% |
| Grand Total: | | \$516,072.72 | \$41,971.64 | \$41,971.64 | \$474,101.08 | \$145,427.19 | \$328,673.89 | 36.31% |

Target Percent: 8.33%

City of North Ridgeville Expense Report

Accounts: 275.380.100102 to 275.380.510050

Account Access Group: N/A

As Of: 1/1/2024 to 1/31/2024

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: | 8.33% | |
| 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 | \$65,700.00 | \$852.83 | \$852.83 | \$64,847.17 | \$0.00 | \$64,847.17 | 1.30% |
| 275.380.120125 | EMPLOYEE BENEFITS | \$2,300.00 | \$100.92 | \$100.92 | \$2,199.08 | \$1,160.00 | \$1,039.08 | 54.82% |
| 275.380.120155 | RETIREMENT | \$9,200.00 | \$79.81 | \$79.81 | \$9,120.19 | \$0.00 | \$9,120.19 | 0.87% |
| 275.380.210100 | OFFICE SUPPLIES | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | N/A |
| 275.380.215100 | OPERATING SUPPLIES | \$8,000.00 | \$0.00 | \$0.00 | \$8,000.00 | \$0.00 | \$8,000.00 | 0.00% |
| 275.380.215201 | BB-SUPP/EXP | \$21,000.00 | \$0.00 | \$0.00 | \$21,000.00 | \$3,000.00 | \$18,000.00 | 14.29% |
| 275.380.215204 | COM ED-SUPP/EXP | \$15,897.02 | \$0.00 | \$0.00 | \$15,897.02 | \$4,464.52 | \$11,432.50 | 28.08% |
| 275.380.215208 | SPECIAL EVENTS | \$47,006.26 | \$0.00 | \$0.00 | \$47,006.26 | \$7,356.26 | \$39,650.00 | 15.65% |
| 275.380.215212 | SPORTS-SUPP/EXP | \$41,242.45 | \$900.00 | \$900.00 | \$40,342.45 | \$15,325.45 | \$25,017.00 | 39.34% |
| 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 | \$11,500.00 | \$0.00 | \$0.00 | \$11,500.00 | \$10,000.00 | \$1,500.00 | 86.96% |
| 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 | \$399.00 | \$1.00 | 99.75% |
| 275.380.315120 | CELLULAR PHONE / DATA | \$1,766.45 | \$122.09 | \$122.09 | \$1,644.36 | \$1,584.36 | \$60.00 | 96.60% |
| 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 | \$2,680.82 | \$430.82 | \$430.82 | \$2,250.00 | \$2,250.00 | \$0.00 | 100.00% |
| 275.380.325200 | FACILITY RENTAL | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | N/A |
| 275.380.330100 | PROFESSIONAL SERVICES | \$26,483.73 | \$14.42 | \$14.42 | \$26,469.31 | \$19,569.31 | \$6,900.00 | 73.95% |
| 275.380.330130 | ENGINEERING SERVICES | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | N/A |
| 275.380.350112 | MERCHANT SERVICE FEES | \$8,000.00 | \$524.67 | \$524.67 | \$7,475.33 | \$0.00 | \$7,475.33 | 6.56% |
| 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 | \$35,427.92 | \$1,925.00 | \$1,925.00 | \$33,502.92 | \$14,720.00 | \$18,782.92 | 46.98% |
| 275.380.350212 | SPORTS-CONTRACT SVCS | \$34,000.00 | \$10,800.00 | \$10,800.00 | \$23,200.00 | \$5,500.00 | \$17,700.00 | 47.94% |
| 275.380.350216 | CLINICS-CONTRACT SVCS | \$12,000.00 | \$0.00 | \$0.00 | \$12,000.00 | \$10,000.00 | \$2,000.00 | 83.33% |
| 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 | \$4,300.00 | \$0.00 | \$0.00 | \$4,300.00 | \$3,900.00 | \$400.00 | 90.70% |
| 275.380.350807 | OTHER - SFTWR EXP | \$2,052.00 | \$161.00 | \$161.00 | \$1,891.00 | \$1,871.00 | \$20.00 | 99.03% |
| 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 | \$48,500.00 | \$0.00 | \$0.00 | \$48,500.00 | \$32,786.08 | \$15,713.92 | 67.60% |
| 275.380.415304 | SD ACCESSIBLE WALKWAY | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | N/A |

Expense Report
As Of: 1/1/2024 to 1/31/2024

| Account | Description | Budget | MTD Expense | YTD Expense | UnExp. Balance | Encumbrance | Unenc. Balance | % Used |
|---------------------------------|-------------|--------------|-------------|-------------|----------------|--------------|----------------|--------|
| 275.380.510050 | REFUNDS | \$1,000.00 | \$0.00 | \$0.00 | \$1,000.00 | \$0.00 | \$1,000.00 | 0.00% |
| PARK & RECREATION TRUST Totals: | | \$409,706.65 | \$15,911.56 | \$15,911.56 | \$393,795.09 | \$144,635.98 | \$249,159.11 | 39.19% |
| 275 Total: | | \$409,706.65 | \$15,911.56 | \$15,911.56 | \$393,795.09 | \$144,635.98 | \$249,159.11 | 39.19% |
| Grand Total: | | \$409,706.65 | \$15,911.56 | \$15,911.56 | \$393,795.09 | \$144,635.98 | \$249,159.11 | 39.19% |
| Target Percent: | | | | | | | 8.33% | |

CITY OF NORTH RIDGEVILLE PARKS DEPARTMENT
ROOT ROAD PARK PAVEMENT
& SITE IMPROVEMENTS
8949 ROOT ROAD, NORTH RIDGEVILLE, OHIO 44039

LEGEND OF LINETYPES

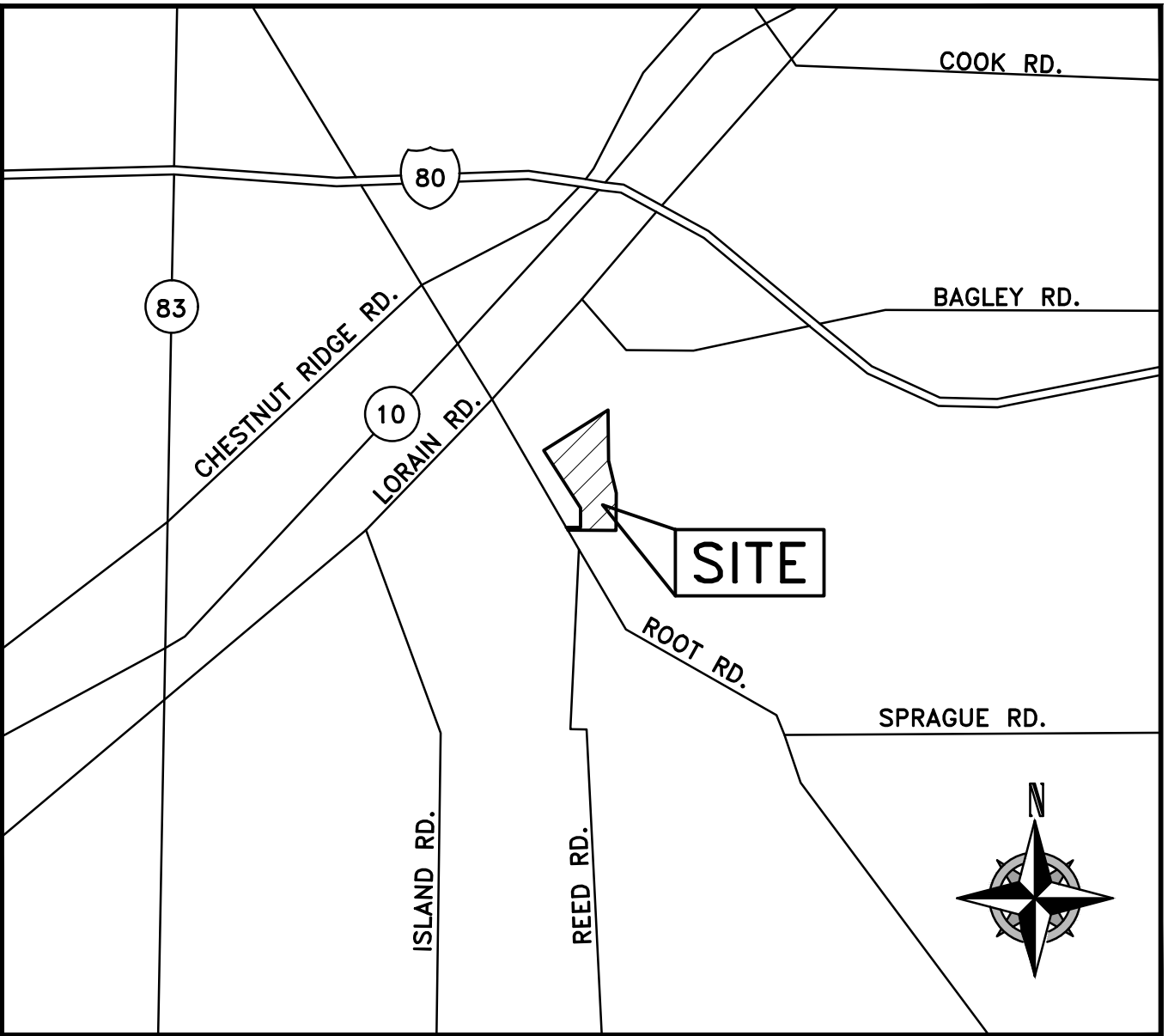
| | |
|---------------|--------------------------|
| --- | CENTERLINE |
| --- | EX. PAVEMENT |
| --- | DITCH/CREEK/SWALE |
| --- | EX. SETBACK LINES |
| ---- | EX. MINOR CONTOUR |
| ----- | EX. MAJOR CONTOUR |
| ---STM--- | EX. STORM |
| ---SAN--- | EX. SANITARY |
| ---W--- | EX. WATER |
| ---G--- | EX. GAS |
| ---OHV--- | EX. OVERHEAD UTILITIES |
| ---T--- | EX. TELEPHONE |
| ---E--- | EX. U.G. ELECTRIC |
| ---000--- | PROP. MINOR CONTOUR |
| -----000----- | PROP. MAJOR CONTOUR |
| ---STM--- | PROP. STORM |
| ---SAN--- | PROP. SANITARY |
| ---W--- | PROP. WATER |
| ---G--- | PROP. GAS |
| ---OHV--- | 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 PINPIPE FOUND |
| ⊙ | AS INDICATED |
| ⊙ | IRON PINPIPE 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, P.E., P.S. DATE
OHIO ENGINEER - 61668
OHIO SURVEYOR - 8285

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

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

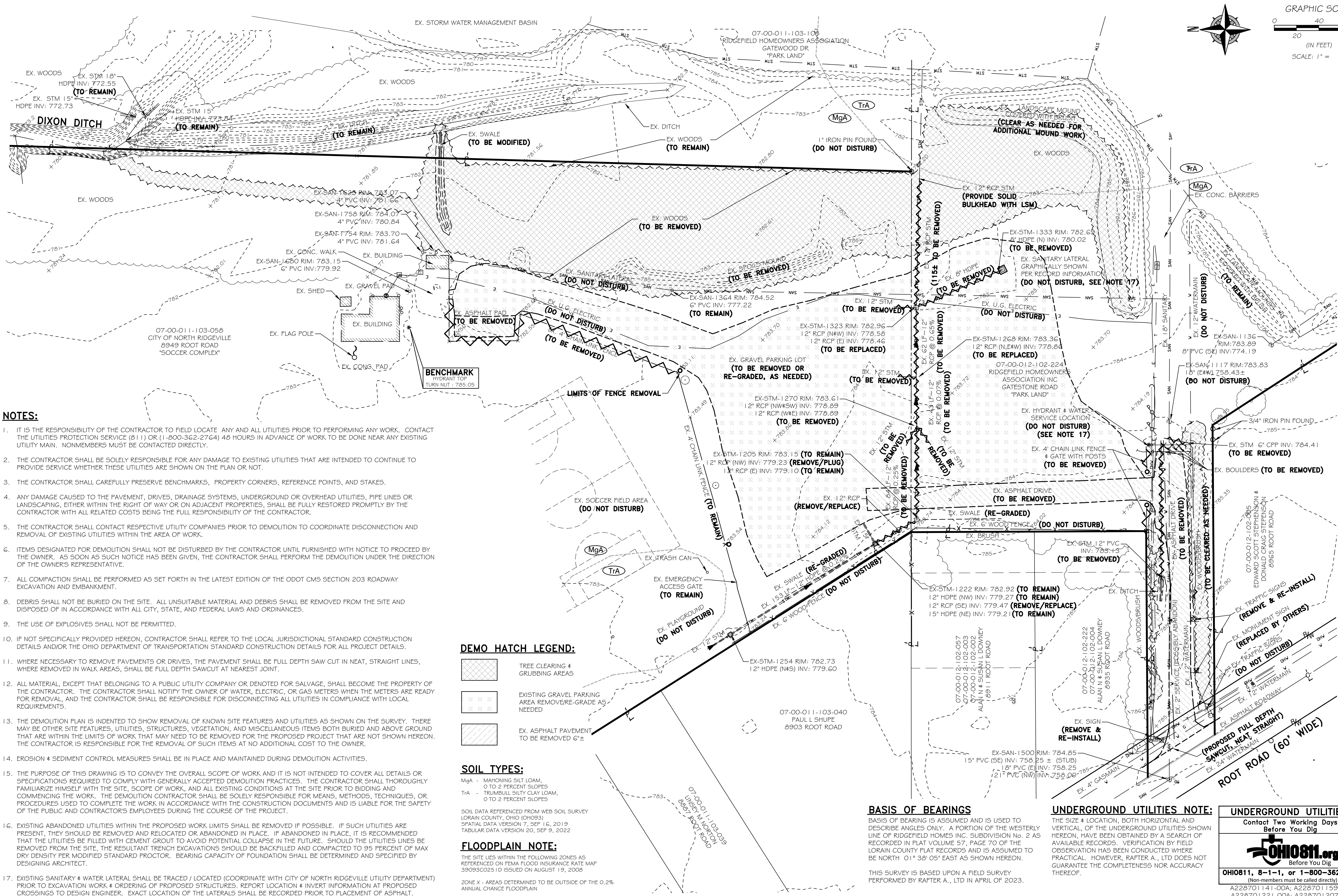
CITY OF NORTH RIDGEVILLE
PARKS DEPARTMENT
ROOT ROAD PARK PAVEMENT
& SITE IMPROVEMENTS

TITLE SHEET

8949 ROOT ROAD, NORTH RIDGEVILLE, OHIO 44090

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 SAWCUT 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 INDENTED 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 CONTRACTORS' 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:

- | | |
|--|--|
| | TREE CLEARING & GRUBBING AREAS |
| | EXISTING GRAVEL PARKING AREA REMOVE/RE-GRADE AS NEEDED |
| | EX. ASPHALT PAVEMENT TO BE REMOVED 6\"/> |

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

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

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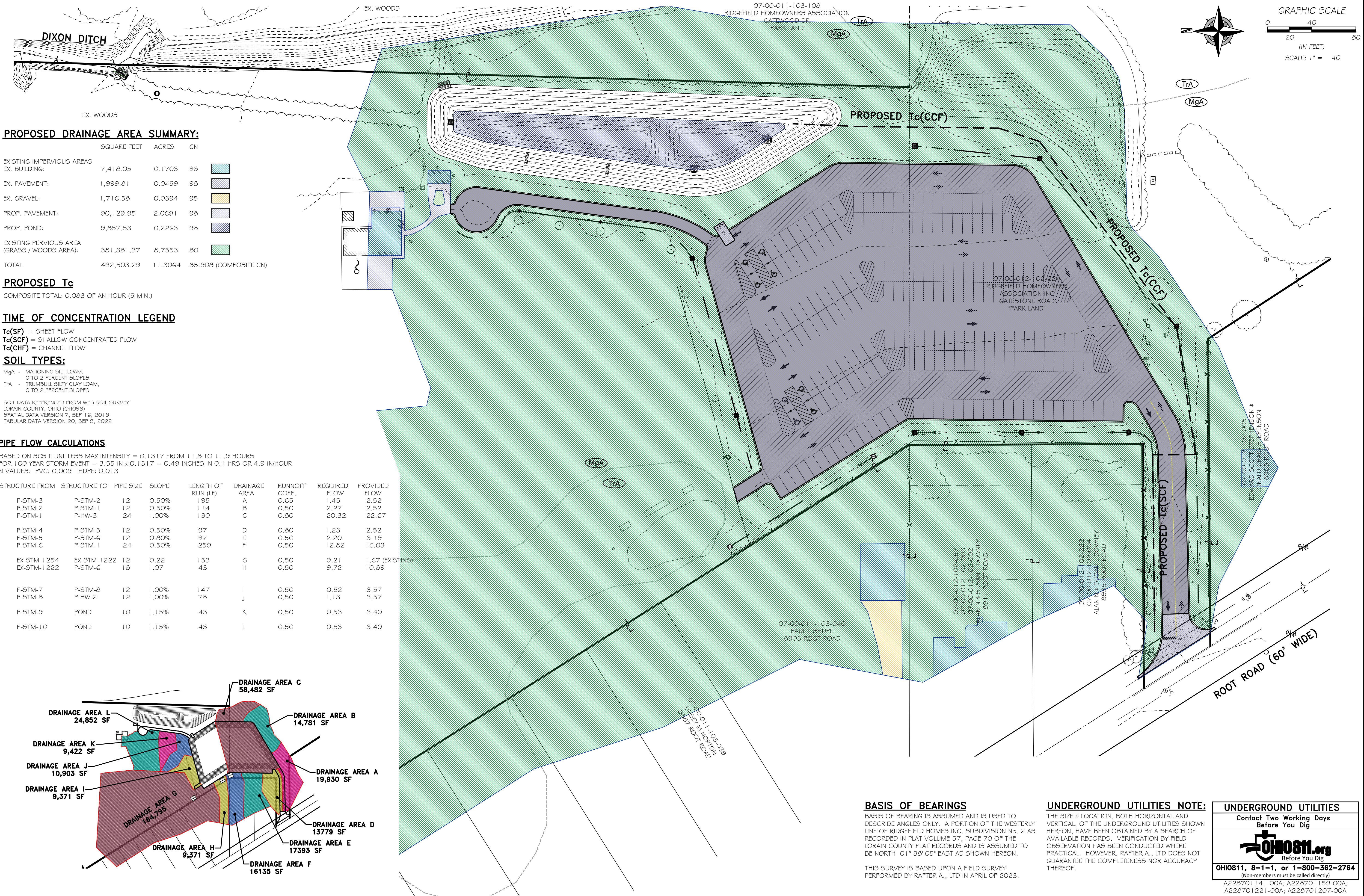
CITY OF NORTH RIDGEVILLE
PARKS & RECREATION DEPARTMENT
7327 AVON BELDEN ROAD
NORTH RIDGEVILLE, OHIO 44039

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

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

SHEET: C1.0





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 | 11.3064 | 85.908 (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:

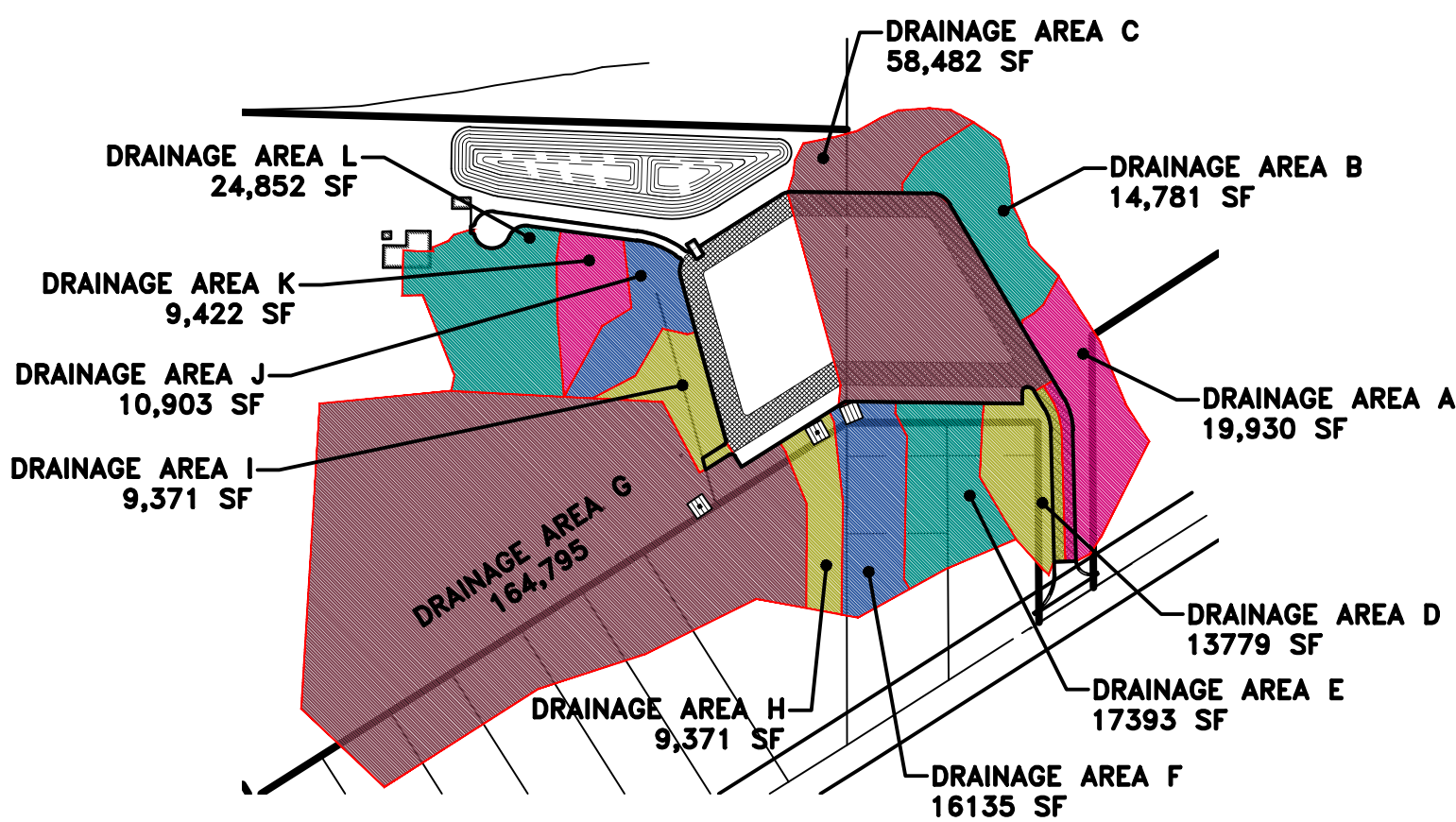
MgA - MAHONING SILT LOAM,
0 TO 2 PERCENT SLOPES
TrA - TRUMBULL SILTY CLAY LOAM,
0 TO 2 PERCENT SLOPES

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: PVC: 0.009 HOPE: 0.013

| STRUCTURE FROM | STRUCTURE TO | PIPE SIZE | SLOPE | LENGTH OF RUN (LF) | DRAINAGE AREA | RUNOFF COEFF. | 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 |



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UNDERGROUND UTILITIES

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OHIO811, 8-1-1, or 1-800-362-2764

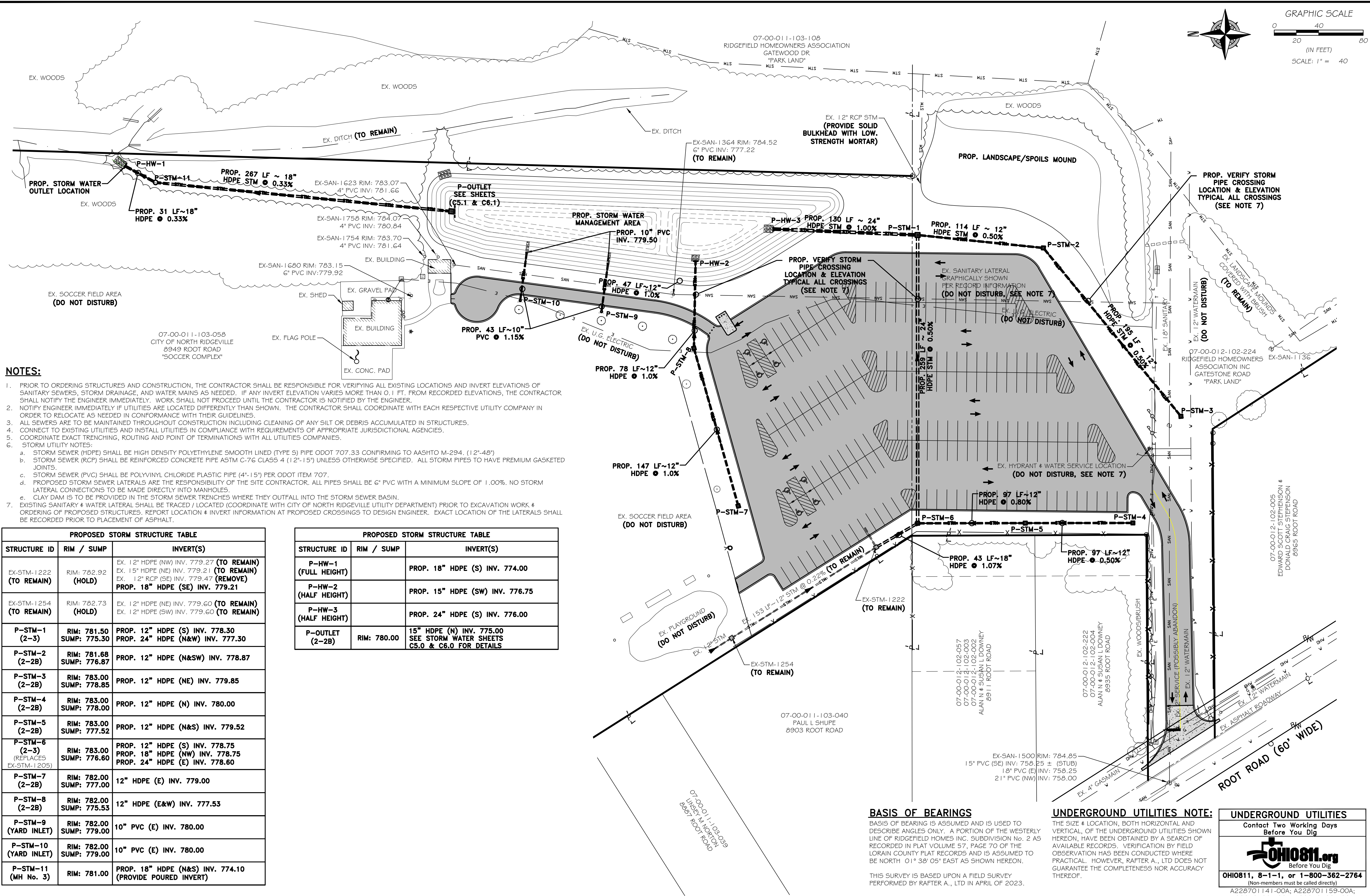
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440-707-4014 • www.raftera.com • info@raftera.com

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
PROPOSED DRAINAGE AREA
8949 ROOT ROAD, NORTH RIDGEVILLE, OHIO 44080

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



MATCHLINE SEE SHEET C4.2

The figure is a detailed grading plan for a park area. It features several key elements:

- Topography:** Contour lines are drawn at 2-foot intervals, ranging from 782.00 to 786.00 feet.
- Proposed Swales:** Two main swales are shown. One runs horizontally across the lower left, labeled "PROP. SWALE (F/L 784.15)". Another runs vertically through the center-right, labeled "PROP. SWALE (F/L 783.20)".
- Landscape Spoils Mound:** A large, irregularly shaped mound is located on the right side, labeled "PROP. LANDSCAPE SPOILS MOUND".
- Survey Points:** Numerous points are marked with crosses and labels, including H.P. (783.75), L.P. (783.00), F/L (783.30), and many others indicating specific elevations and locations.
- Roads:** Root Road (60' wide) is shown along the bottom edge. Other roads include 07-00-011-103-040 Paul L Shupe 8903 Root Road, 07-00-012-102-057 Alan N & Susan L Downey 8911 Root Road, 07-00-012-102-222 Alan N & Susan L Downey 8935 Root Road, and 07-00-012-102-005 Edward Scott Stephenson & Donald Craig Stephenson 8965 Root Road.
- Other Features:** EX. WOODS/BUSH, EX. CONC. BARRIERS, and EX. GRASS ARE also indicated.

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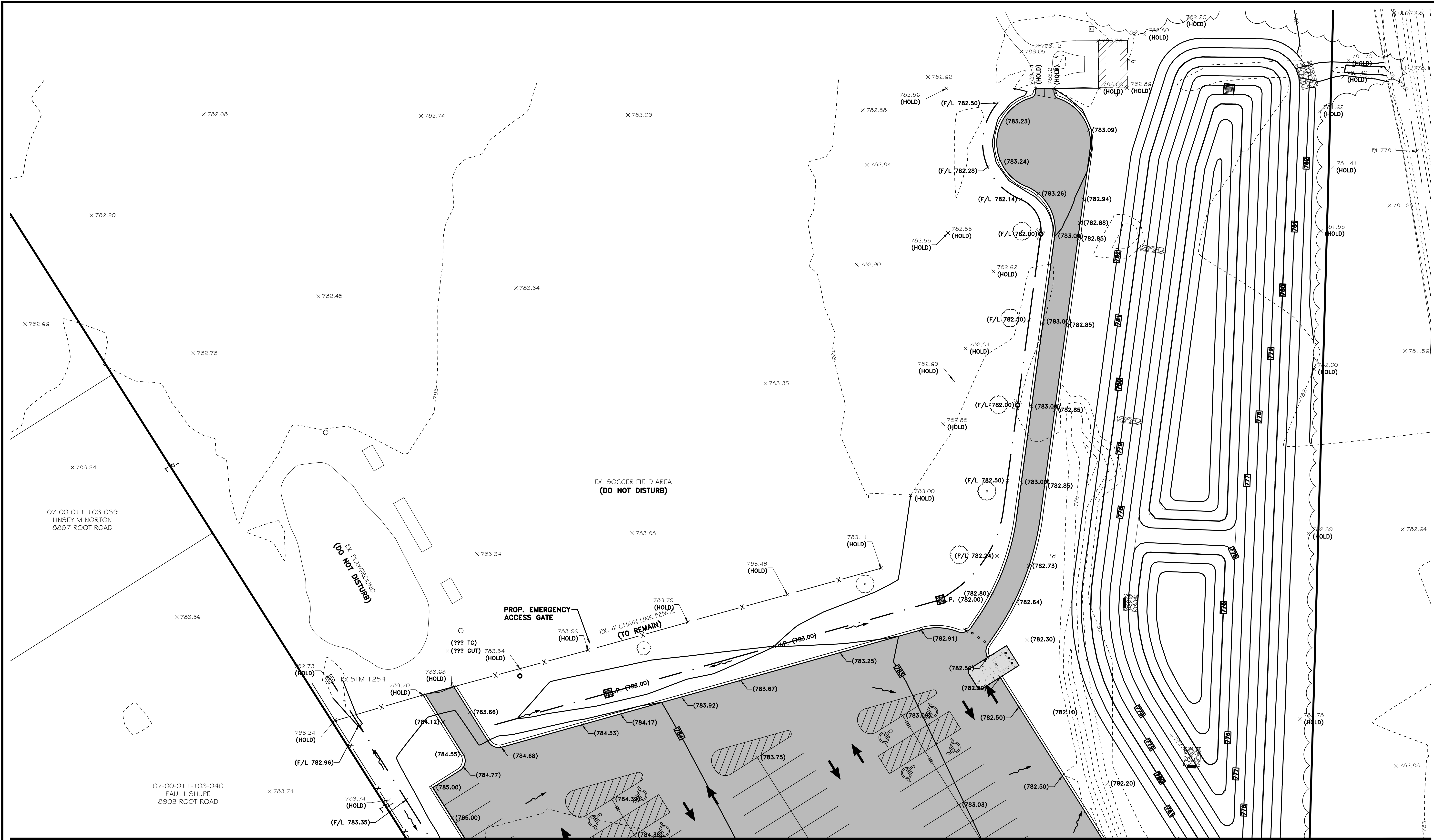
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CITY OF NORTH RIDGEVILLE PARKS DEPARTMENT ROOT ROAD PARK PAVEMENT & SITE IMPROVEMENTS ENLARGED GRADING PLAN

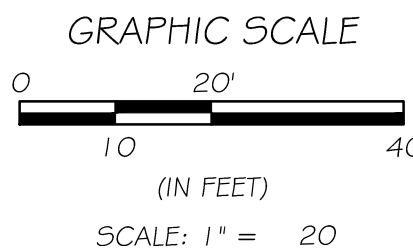
DRAWN BY: BDA
CHECKED BY: RAF
RAF JOB NO: 3128-23

SHEET: C4.1

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|--------------------|---|--|--|--|------|-----|------------|-------------------------|
| SHEET: C4.1 | DRAWN BY: BDA CHECKED BY: RAF RAF JOB NO: 3128-23 | CITY OF NORTH RIDGEVILLE PARKS DEPARTMENT ROOT ROAD PARK PAVEMENT & SITE IMPROVEMENTS ENLARGED GRADING PLAN |  CITY OF NORTH RIDGEVILLE PARKS & RECREATION DEPARTMENT 7327 AVON BELDEN ROAD NORTH RIDGEVILLE, OHIO 44039 | RAFTER A, LTD LAND SURVEYING • ENGINEERING • TESTING 42653 Oberlin-Elvira Road, Oberlin, Ohio 44074 440-707-4014 • www.raftera.com • info@raftera.com | REV. | BY | DATE | DESCRIPTION |
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MATCHLINE SEE SHEET C4.1



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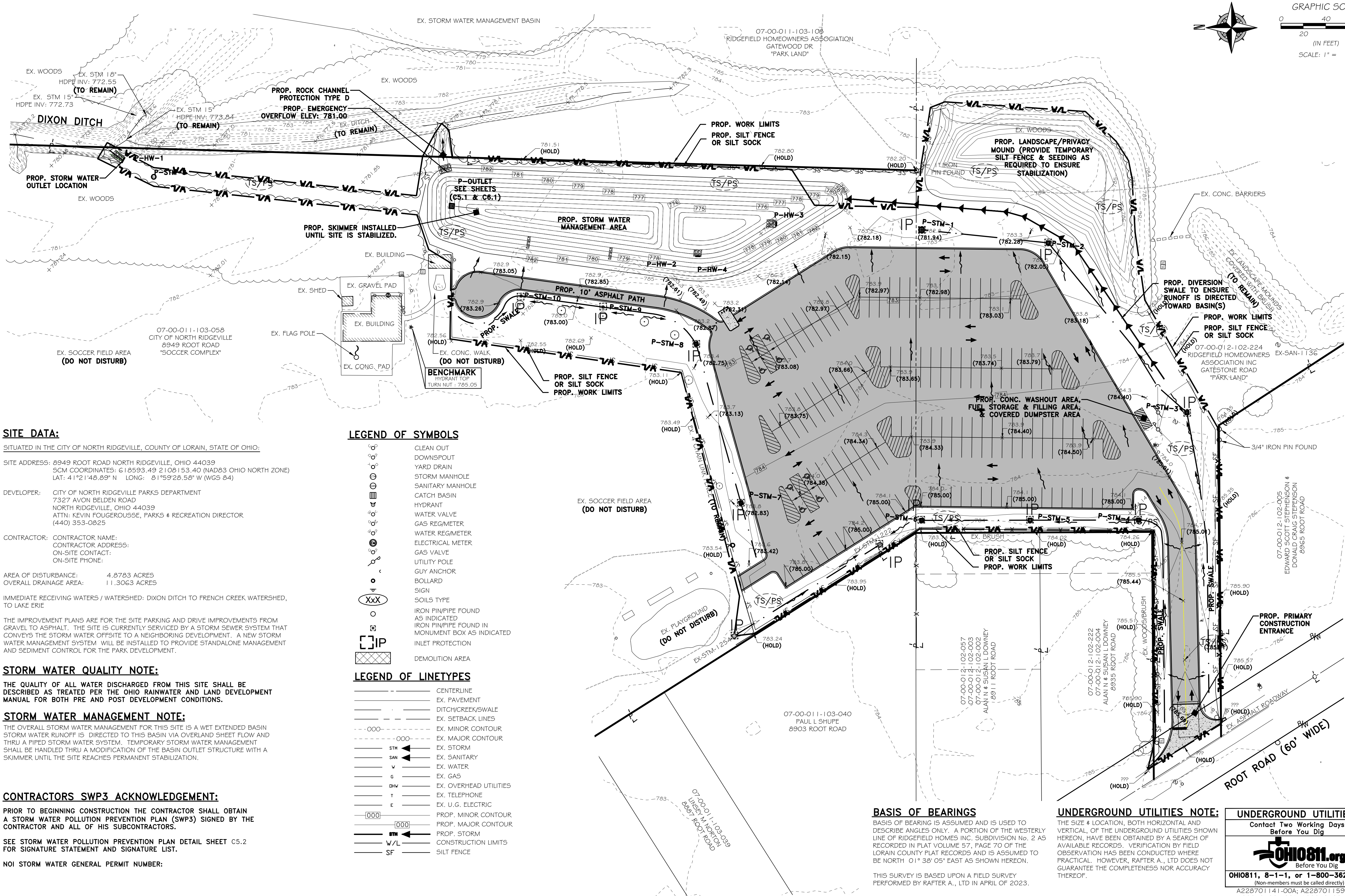
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PARKS DEPARTMENT
ROOT ROAD PARK PAVEMENT
& SITE IMPROVEMENTS
ENLARGED GRADING PLAN
8949 ROOT ROAD, NORTH RIDGEVILLE, OHIO 44080

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

SHEET: **C4.2**



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.

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:

| 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 |
| | CONSTRUCTION LIMITS |
| | SILT FENCE |

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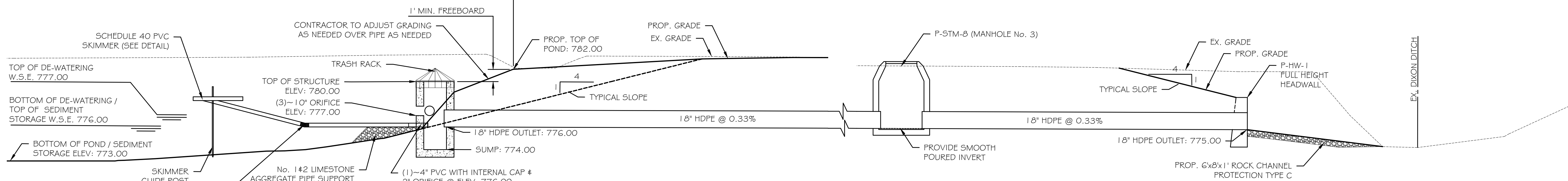
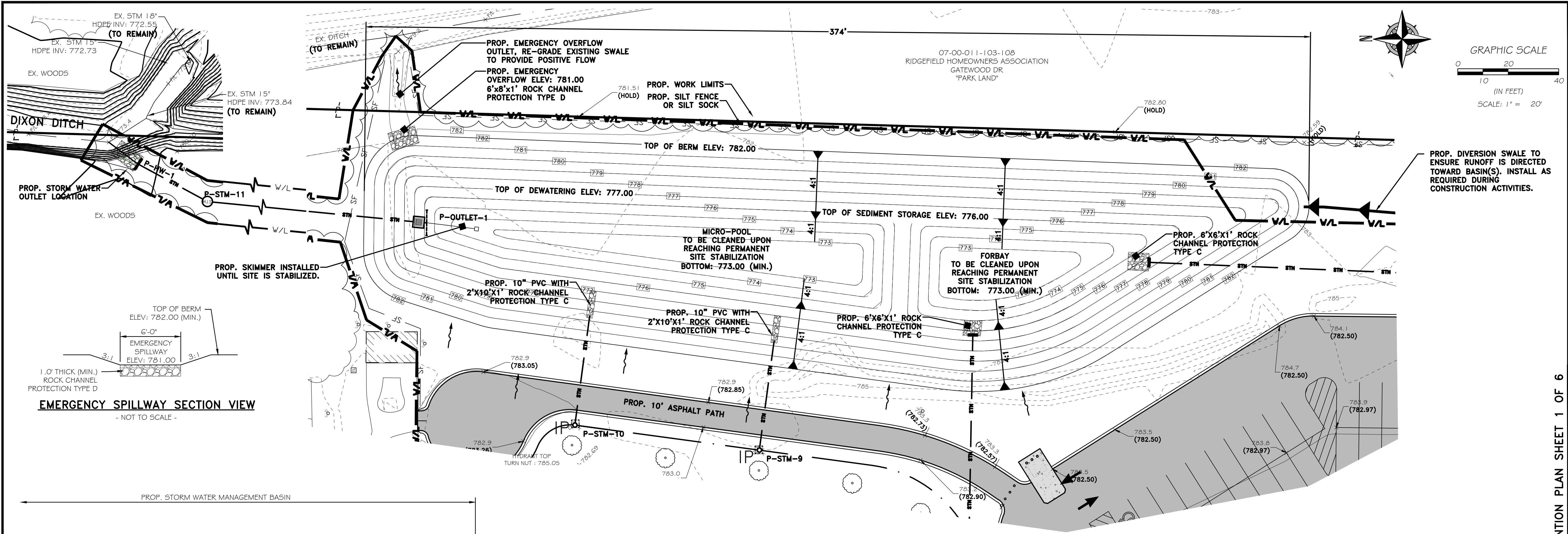
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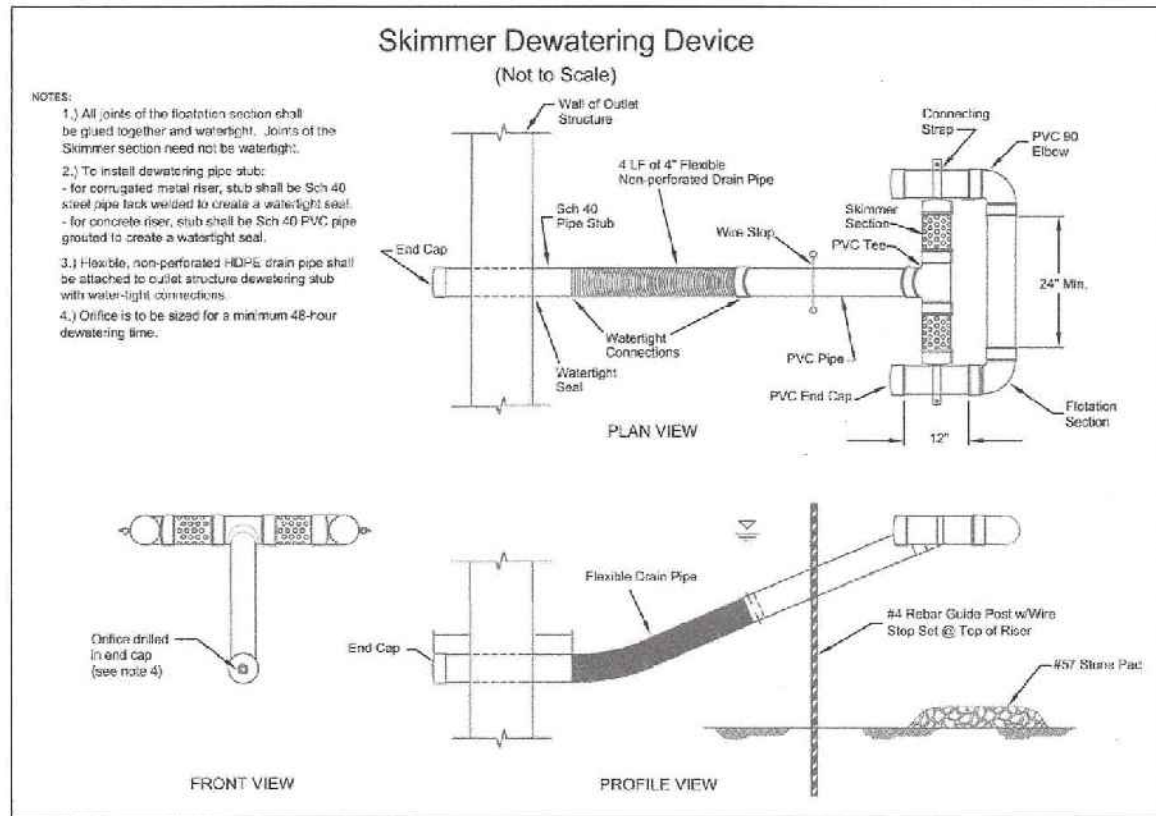
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| SHEET: C5.0 | | | | 9849 ROOT ROAD, NORTH RIDGEVILLE, OHIO 44039 | | | |



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



TO BE UTILIZED FOR GENERAL SKIMMER CONSTRUCTION.
TYPICAL SKIMMER DETAIL

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 = 17,254.71 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 = 11190.41 CU. FT. (ELEVATION 776.00 TO 777.00)

PROVIDED SEDIMENT STORAGE TABLE

| SEDIMENT AREA | VOLUME | ELEVATION |
|---------------|-------------------|------------------|
| FORBAY A | 6,288.70 CU. FT. | 699.00 TO 701.00 |
| MICRO POOL | 10,966.01 CU. FT. | 699.00 TO 701.00 |
| TOTAL | 17,254.71 CU. FT. | (0.1145 AC-FT) |

PROVIDED DEWATERING TABLE

| VOLUME | ELEVATION |
|------------------|------------------|
| 11190.41 CU. FT. | 776.00 TO 777.00 |

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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 (1-800-262-9378). 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 3745-1-9). 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 THAT 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 RECEPTACLE 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.

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.
11.

EXCAVATE AND INSTALL BASE FOR BUILDING AREAS AND PARKING.
12.

INSTALL CURB & PAVEMENT.
13.

REPLACE TOPSOIL, FINE GRADE AND SEED AREAS AS REQUIRED.
14.

STABILIZE ALL DISTURBED AREAS WITH PERMANENT SEED AND MULCHING OR CROWNVECH SEEDING IMMEDIATELY UPON REACHING FINAL GRADE.
15.

COMPLETE SITE WORK. FINAL LANDSCAPING AND CLEAN UP.
16.

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.
17.

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.
18.

REMOVE CONSTRUCTION SEDIMENT FROM BASIN AND PROVIDE AS-BUILT OF SITE FOR REFERENCE IN THE COMPREHENSIVE STORM WATER MANAGEMENT PLAN.
19.

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.

SWP3 AMENDMENT LOG

| AMENDMENT NUMBER | DESCRIPTION OF AMENDMENT | AMENDMENT PREPARED BY | DATE |
|------------------|--------------------------|-----------------------|------|
| | | | |
| | | | |
| | | | |
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SWP3 CORRECTIVE ACTIONS LOG

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

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


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 44039

CONSTRUCTION STORM WATER POLLUTION
PREVENTION NOTES & DETAILS
8949 ROOT ROAD, NORTH RIDGEVILLE, OHIO 44090

REV. 1

BY BDA

DATE 11-10-2023

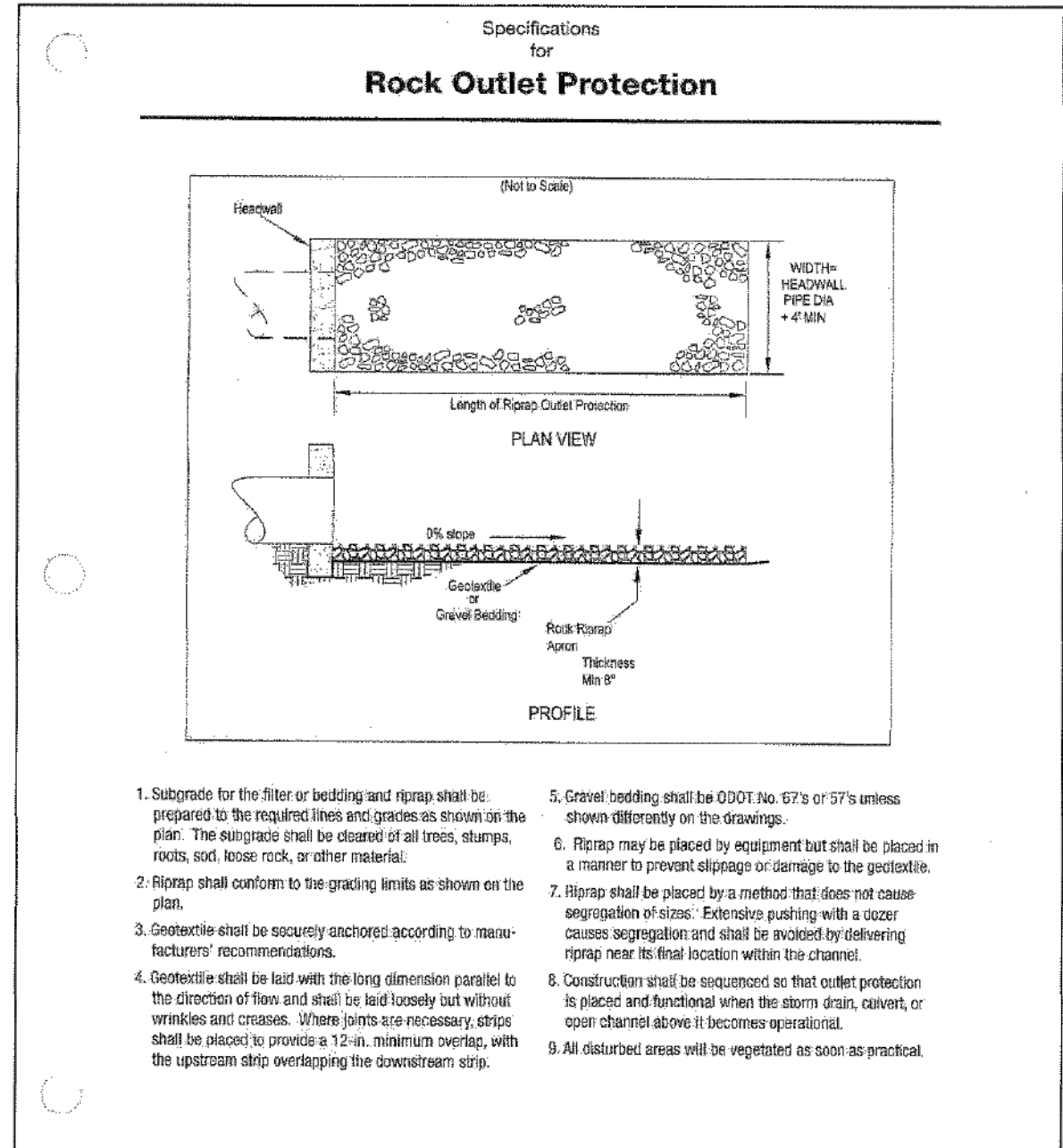
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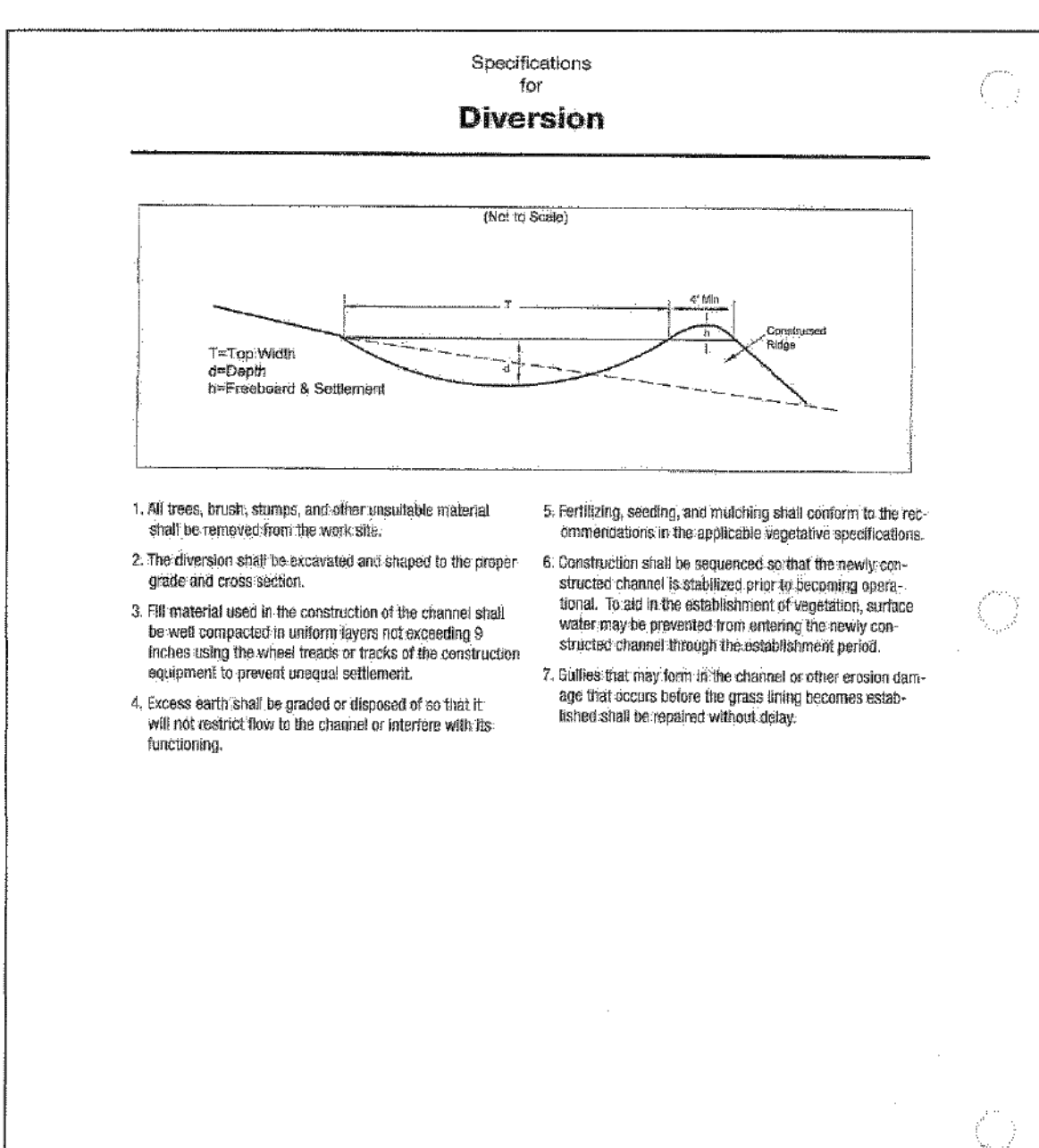
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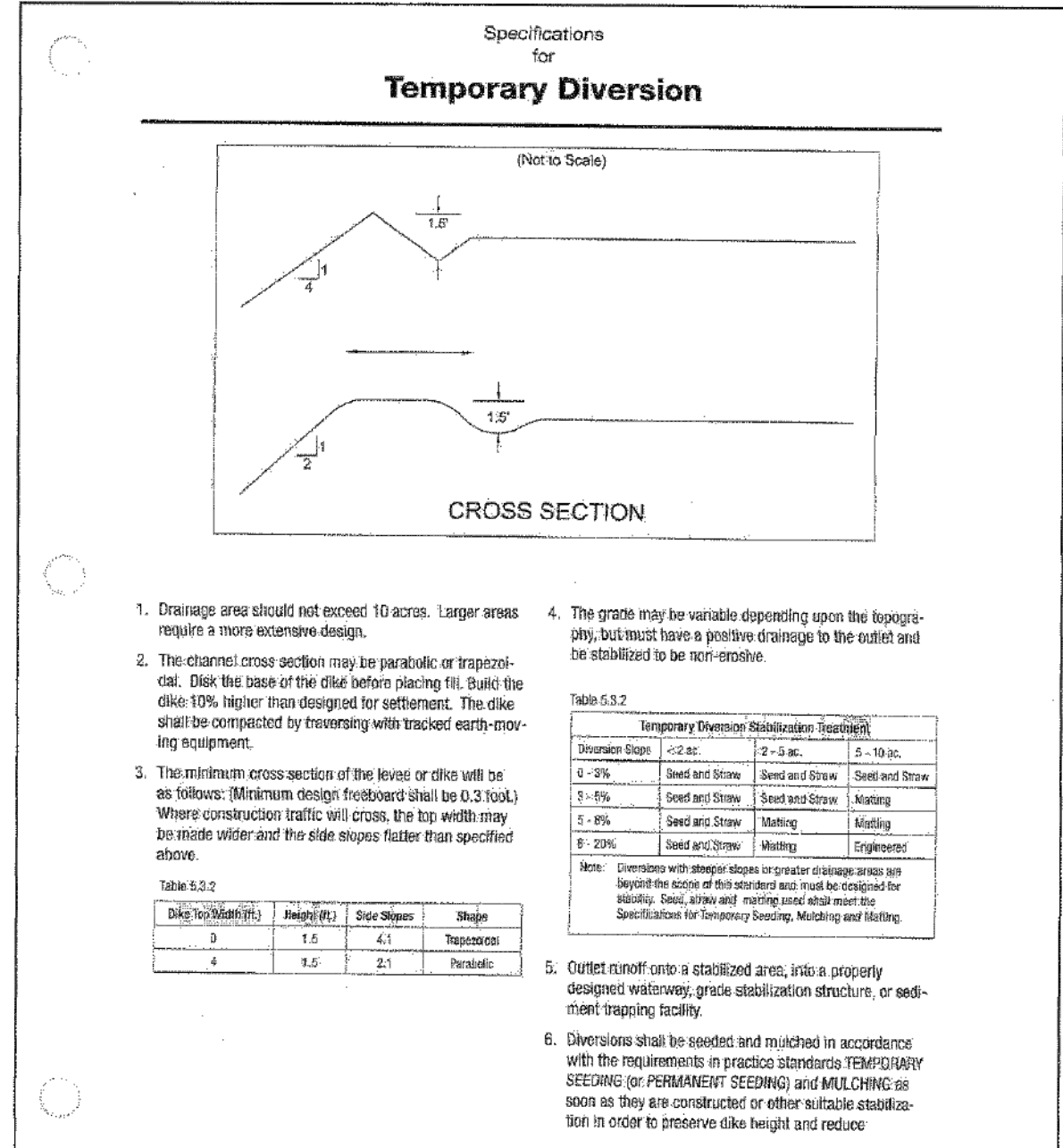
INFORMATION OBTAINED FROM THE 2006 EDITION OF THE STATE OF OHIO'S "RAINWATER AND LAND DEVELOPMENT MANUAL".

| REV. NO. | DATE | BY | DESCRIPTION |
|---|----------|---------|-------------------------|
| 1 | 10/01/08 | JAB/TJB | ISSUE FOR CLIENT REVIEW |
| CITY OF NORTH RIDGEVILLE, OHIO DEPARTMENT OF ENGINEERING | | | |
| ROCK OUTLET PROTECTION | | | |
| SCALE: NOT TO SCALE | | | |
| DATE: 10/01/08 DRAWN BY: JAB/TJB SWP-7 | | | |



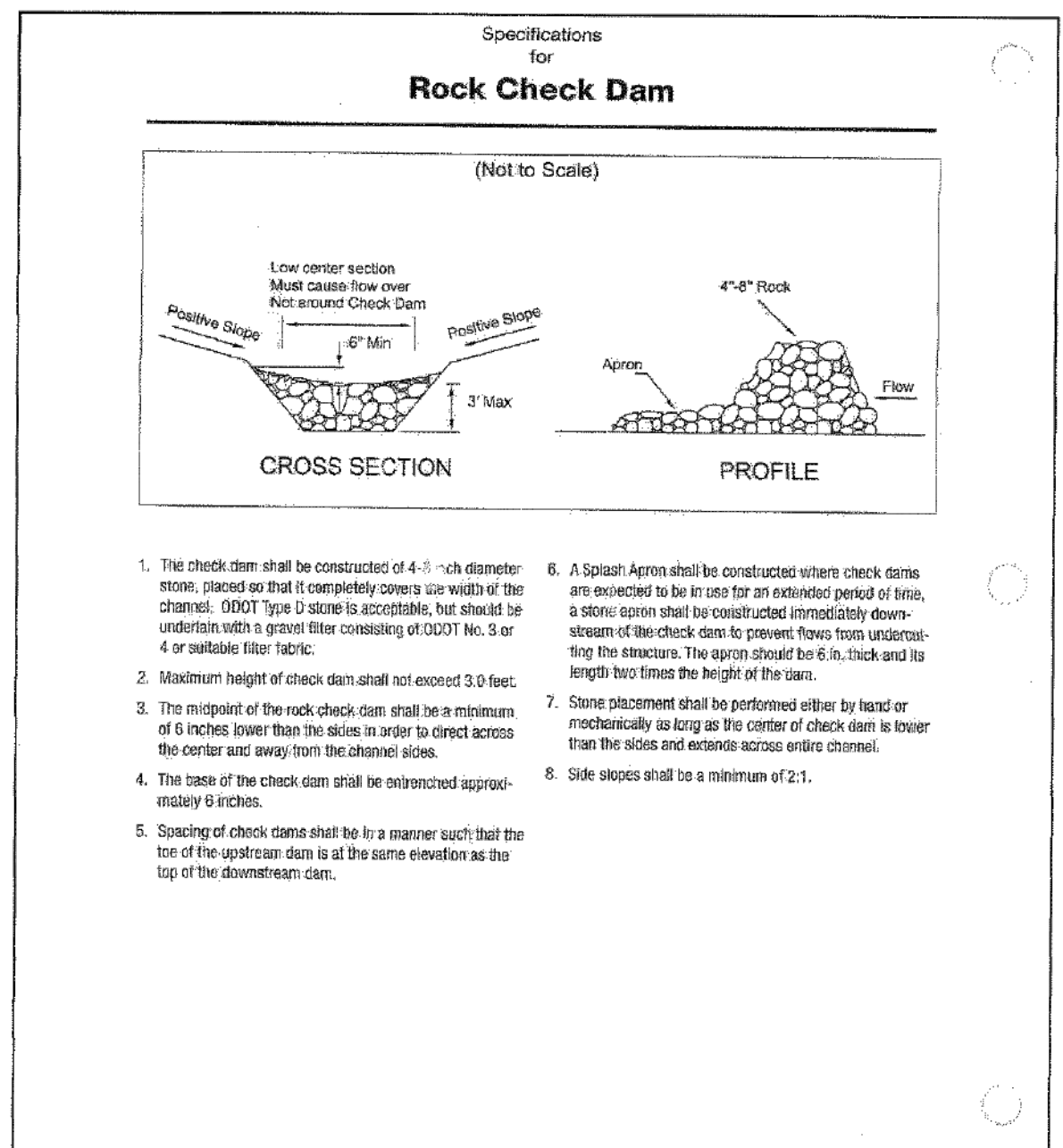
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| REV. NO. | DATE | BY | DESCRIPTION |
|---|----------|---------|-------------------------|
| 1 | 10/01/08 | JAB/TJB | ISSUE FOR CLIENT REVIEW |
| CITY OF NORTH RIDGEVILLE, OHIO DEPARTMENT OF ENGINEERING | | | |
| DIVERSION | | | |
| SCALE: NOT TO SCALE | | | |
| DATE: 10/01/08 DRAWN BY: JAB/TJB SWP-8 | | | |



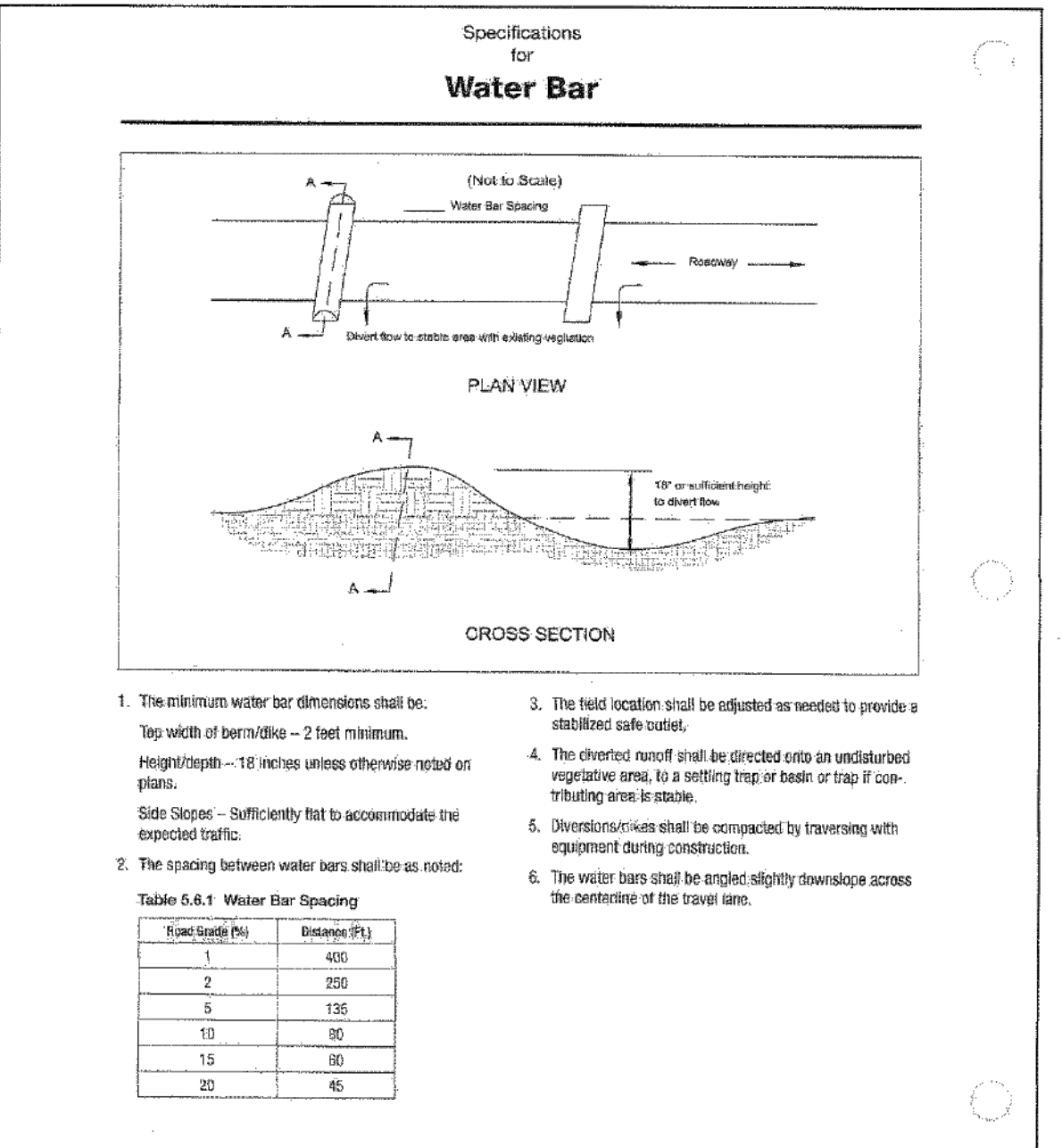
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| REV. NO. | DATE | BY | DESCRIPTION |
|---|----------|---------|-------------------------|
| 1 | 10/01/08 | JAB/TJB | ISSUE FOR CLIENT REVIEW |
| CITY OF NORTH RIDGEVILLE, OHIO DEPARTMENT OF ENGINEERING | | | |
| TEMPORARY DIVERSION | | | |
| SCALE: NOT TO SCALE | | | |
| DATE: 10/01/08 DRAWN BY: JAB/TJB SWP-9 | | | |



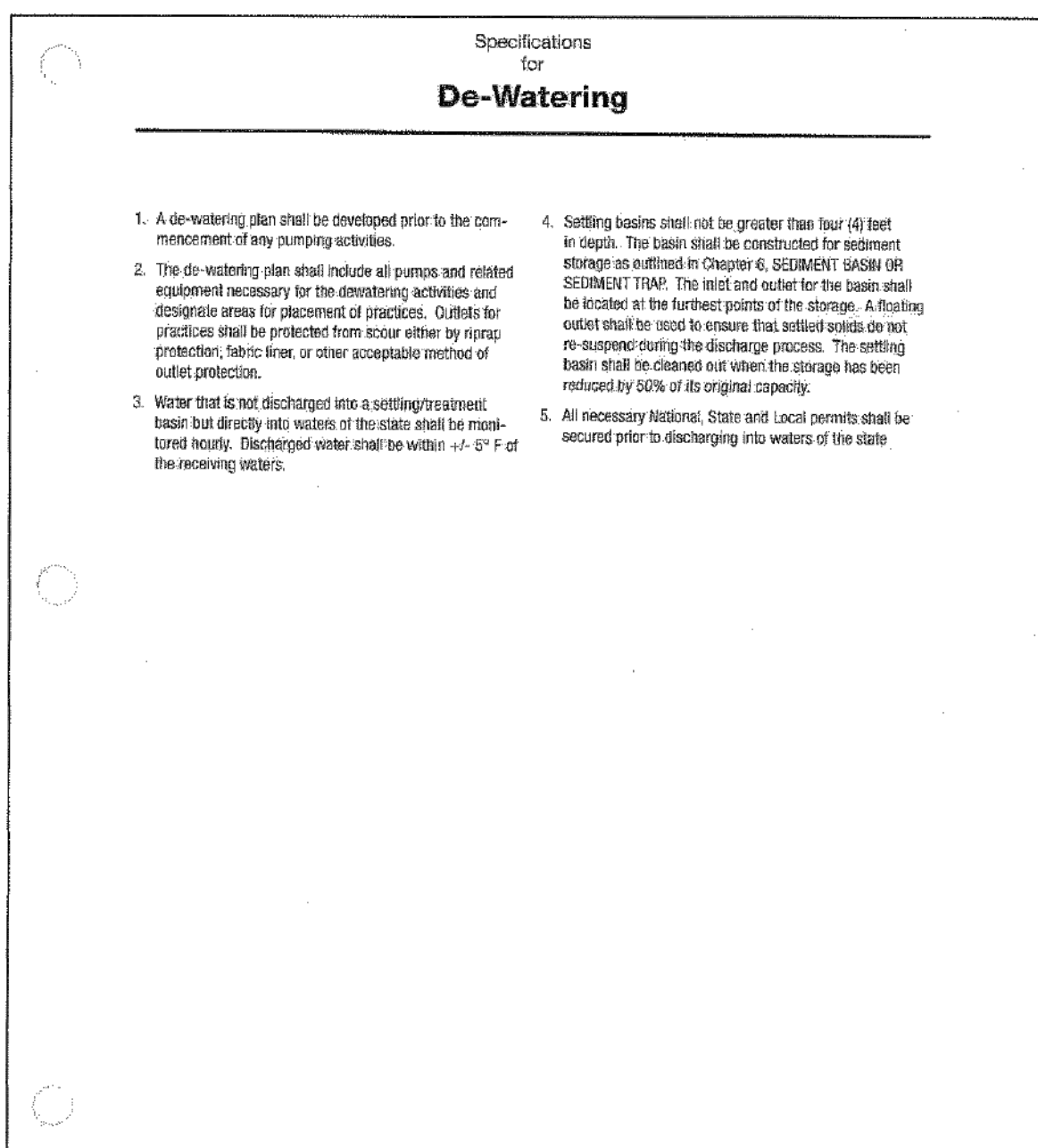
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| REV. NO. | DATE | BY | DESCRIPTION |
|---|----------|---------|-------------------------|
| 1 | 10/01/08 | JAB/TJB | ISSUE FOR CLIENT REVIEW |
| CITY OF NORTH RIDGEVILLE, OHIO DEPARTMENT OF ENGINEERING | | | |
| ROCK CHECK DAM | | | |
| SCALE: NOT TO SCALE | | | |
| DATE: 10/01/08 DRAWN BY: JAB/TJB SWP-10 | | | |



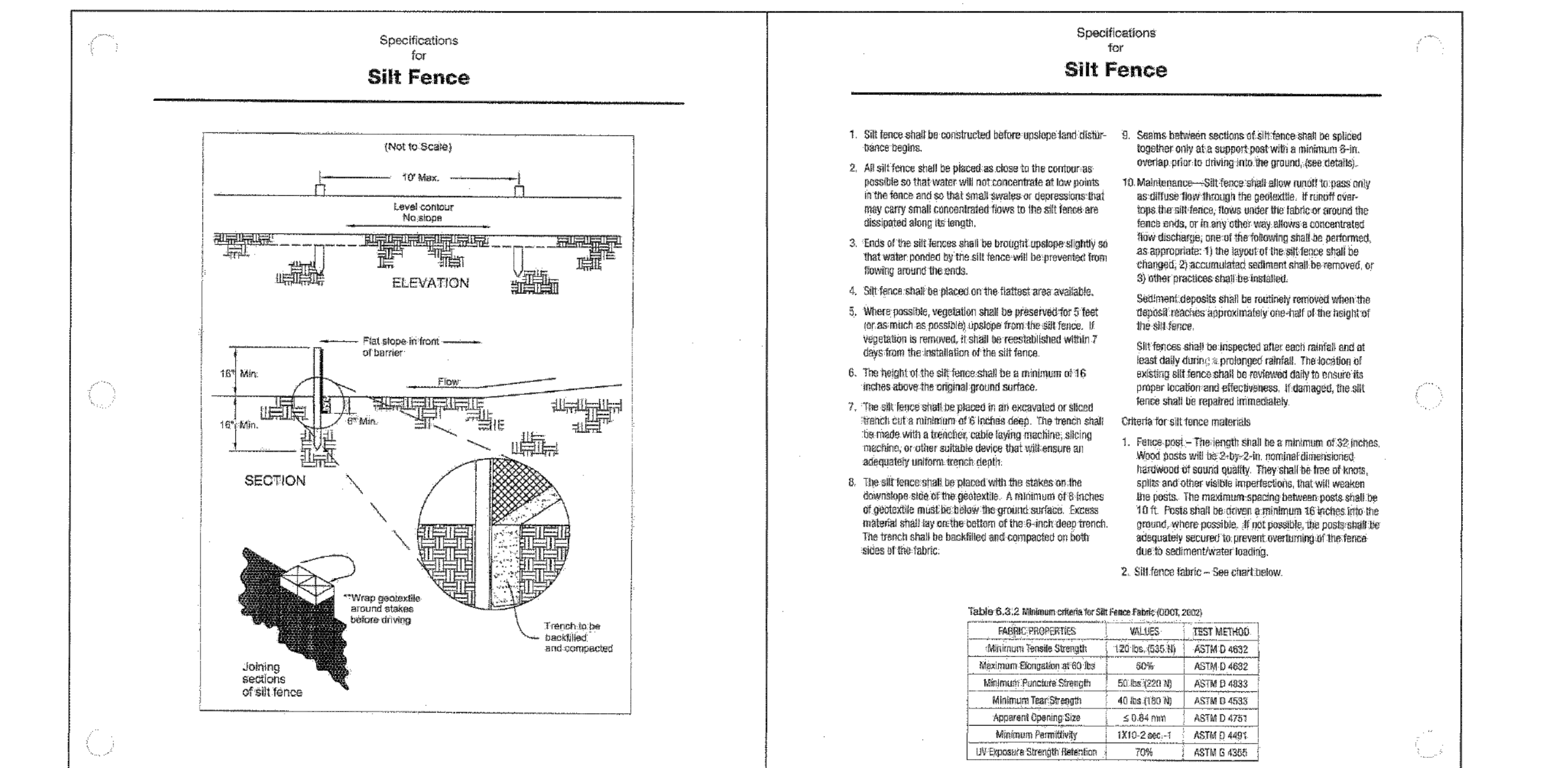
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| REV. NO. | DATE | BY | DESCRIPTION |
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| 1 | 10/01/08 | JAB/TJB | ISSUE FOR CLIENT REVIEW |
| CITY OF NORTH RIDGEVILLE, OHIO DEPARTMENT OF ENGINEERING | | | |
| WATER BAR | | | |
| SCALE: NOT TO SCALE | | | |
| DATE: 10/01/08 DRAWN BY: JAB/TJB SWP-14 | | | |



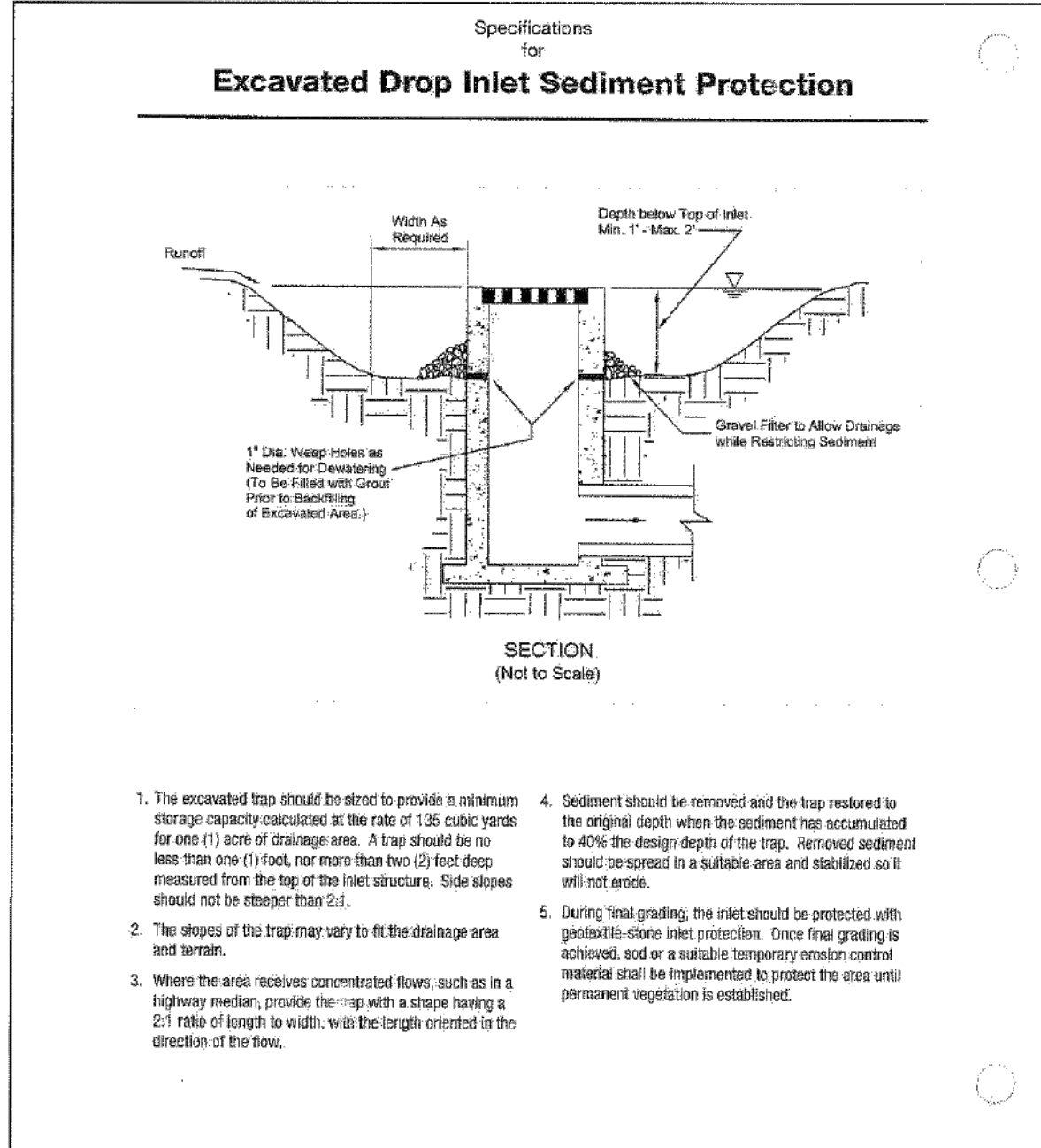
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| REV. NO. | DATE | BY | DESCRIPTION |
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| 1 | 10/01/08 | JAB/TJB | ISSUE FOR CLIENT REVIEW |
| CITY OF NORTH RIDGEVILLE, OHIO DEPARTMENT OF ENGINEERING | | | |
| DE-WATERING | | | |
| SCALE: NOT TO SCALE | | | |
| DATE: 10/01/08 DRAWN BY: JAB/TJB SWP-15 | | | |



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

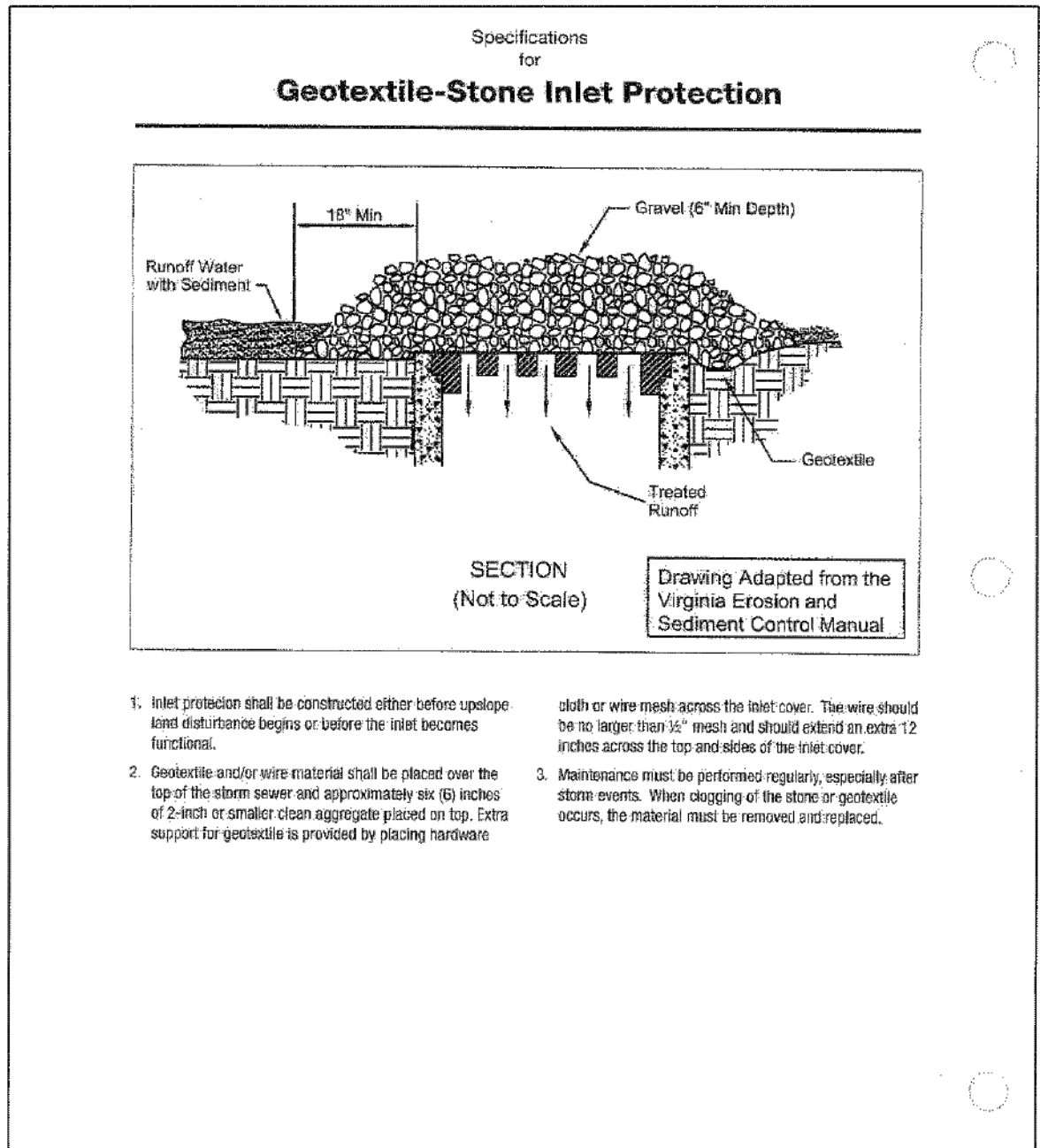
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| 1 | 10/01/08 | JAB/TJB | ISSUE FOR CLIENT REVIEW |
| CITY OF NORTH RIDGEVILLE, OHIO DEPARTMENT OF ENGINEERING | | | |
| SILT FENCE | | | |
| SCALE: NOT TO SCALE | | | |
| DATE: 10/01/08 DRAWN BY: JAB/TJB SWP-18 | | | |



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

| REV. No. | DATE | BY | DESCRIPTION |
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| | | | CITY OF NORTH RIDGEVILLE, OHIO DEPARTMENT OF ENGINEERING |
| | | | EXCAVATED DROP INLET SEDIMENT PROTECTION |
| | | | SCALE: NOT TO SCALE DATE: 10/01/08 DRAWN BY: JAB/TB |
| | | | SWP-19 |

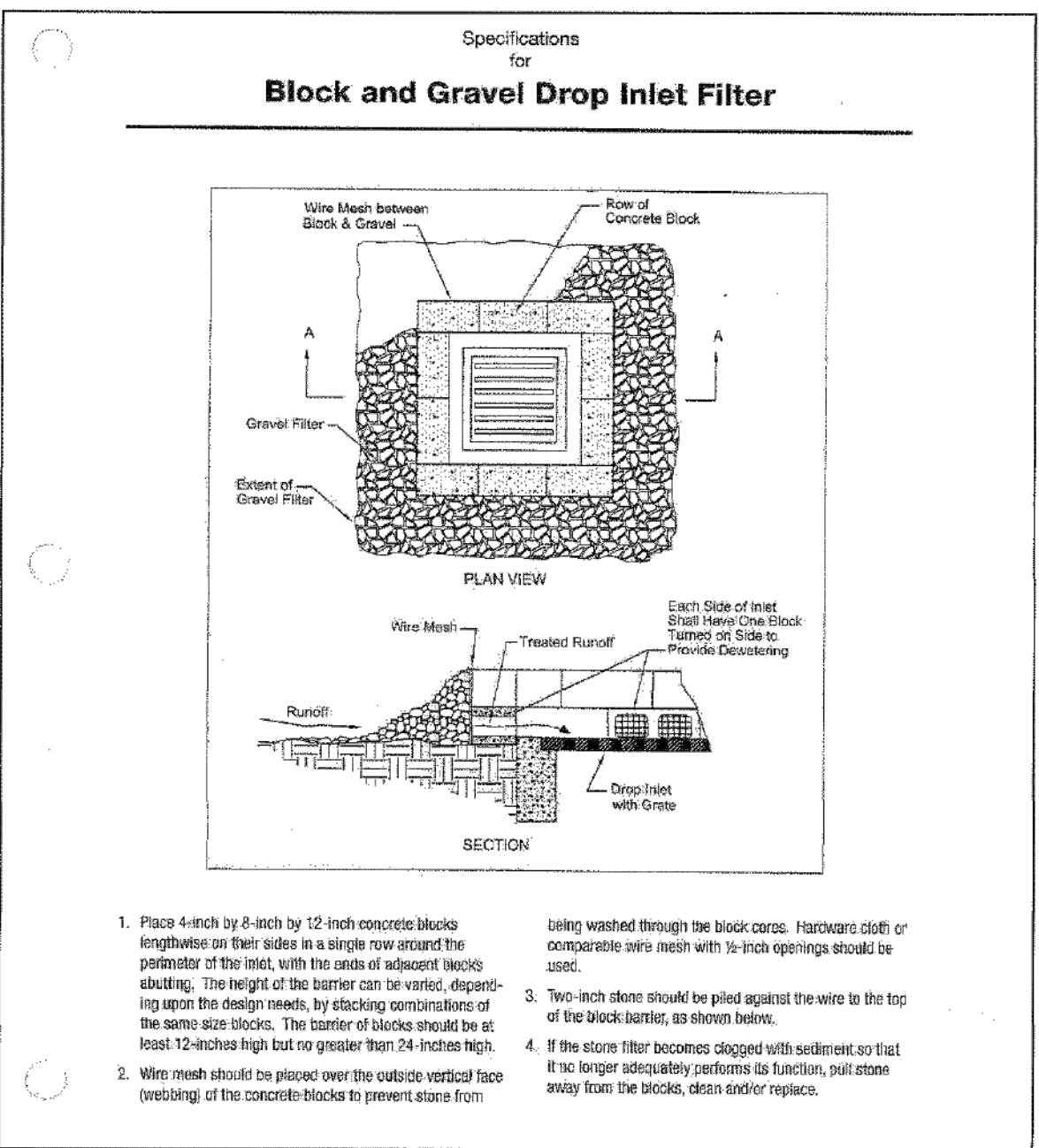
Larry Luffich
CITY OF NORTH RIDGEVILLE, ENGINEER



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

| REV. No. | DATE | BY | DESCRIPTION |
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| | | | CITY OF NORTH RIDGEVILLE, OHIO DEPARTMENT OF ENGINEERING |
| | | | GEOTEXTILE-STONE INLET PROTECTION |
| | | | SCALE: NOT TO SCALE DATE: 10/01/08 DRAWN BY: JAB/TB |
| | | | SWP-20 |

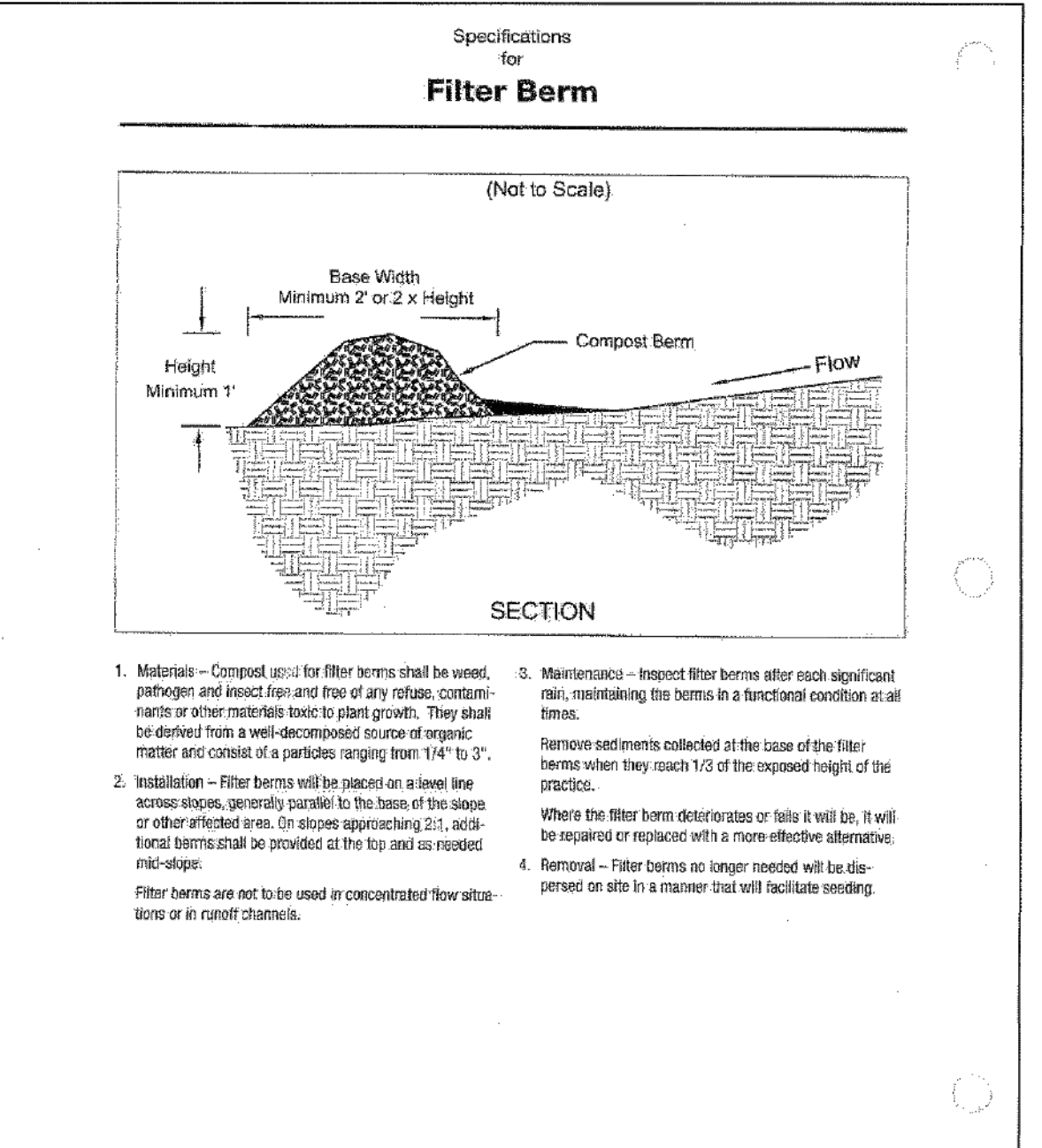
Larry Luffich
CITY OF NORTH RIDGEVILLE, ENGINEER



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 |
| | | | BLOCK AND GRAVEL DROP INLET FILTER |
| | | | SCALE: NOT TO SCALE DATE: 10/01/08 DRAWN BY: JAB/TB |
| | | | SWP-23 |

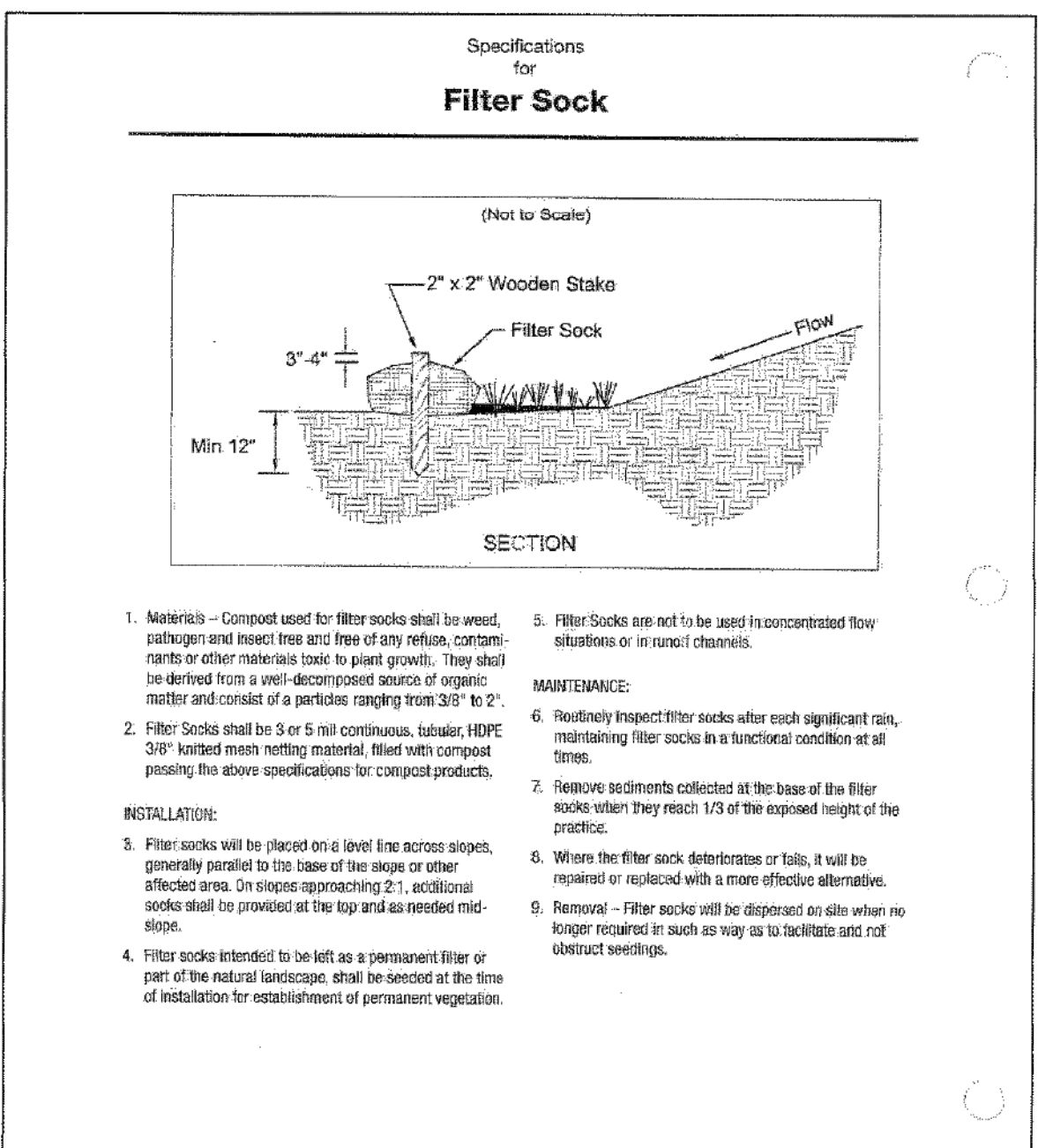
Larry Luffich
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INFORMATION OBTAINED FROM THE 2006 EDITION OF THE STATE OF OHIO'S "RAINWATER AND LAND DEVELOPMENT MANUAL".

| 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/TB |
| | | | SWP-24 |

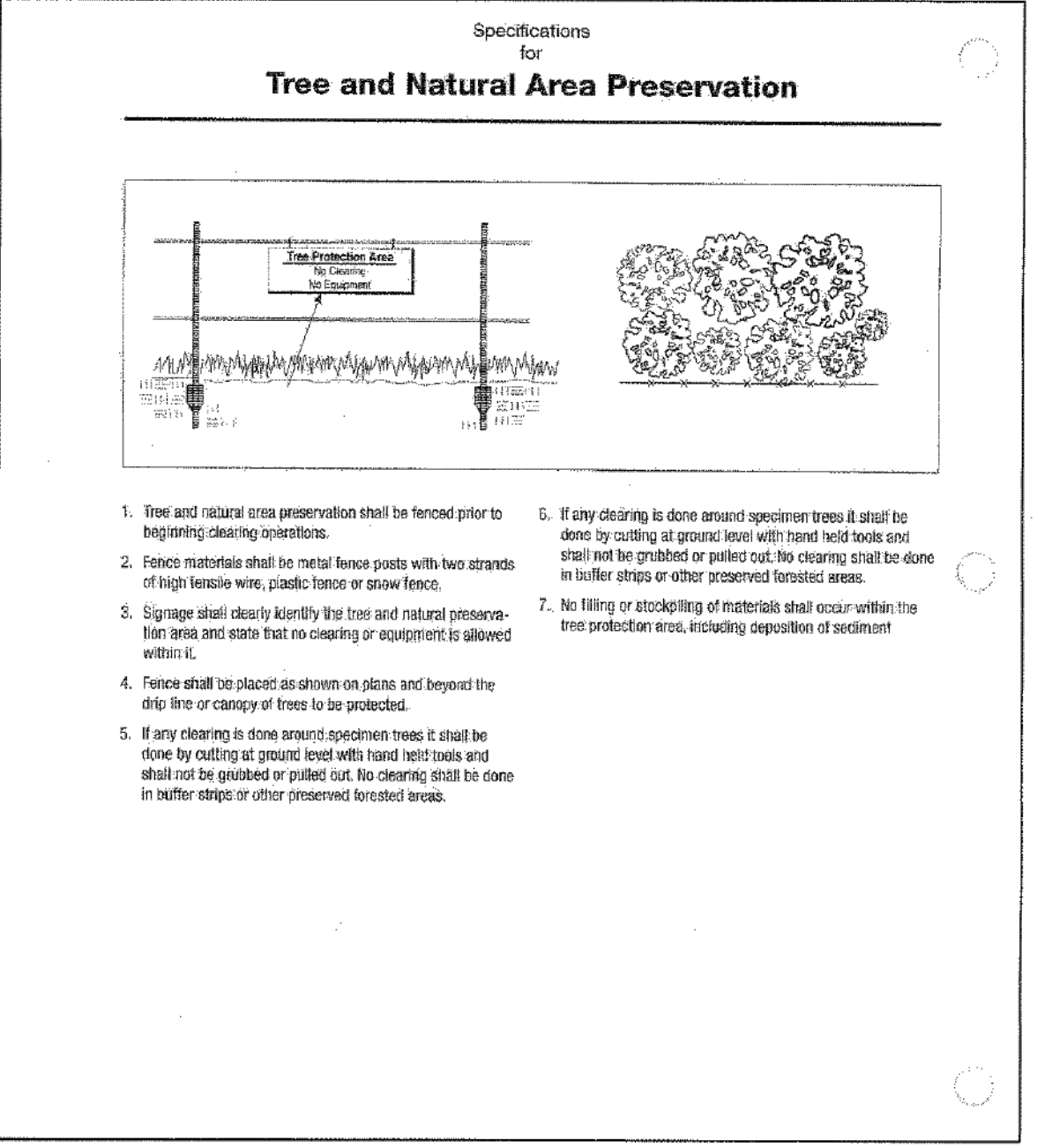
Larry Luffich
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| REV. No. | DATE | BY | DESCRIPTION |
|----------|------|----|---|
| | | | CITY OF NORTH RIDGEVILLE, OHIO DEPARTMENT OF ENGINEERING |
| | | | FILTER SOCK |
| | | | SCALE: NOT TO SCALE DATE: 10/01/08 DRAWN BY: JAB/TB |
| | | | SWP-25 |

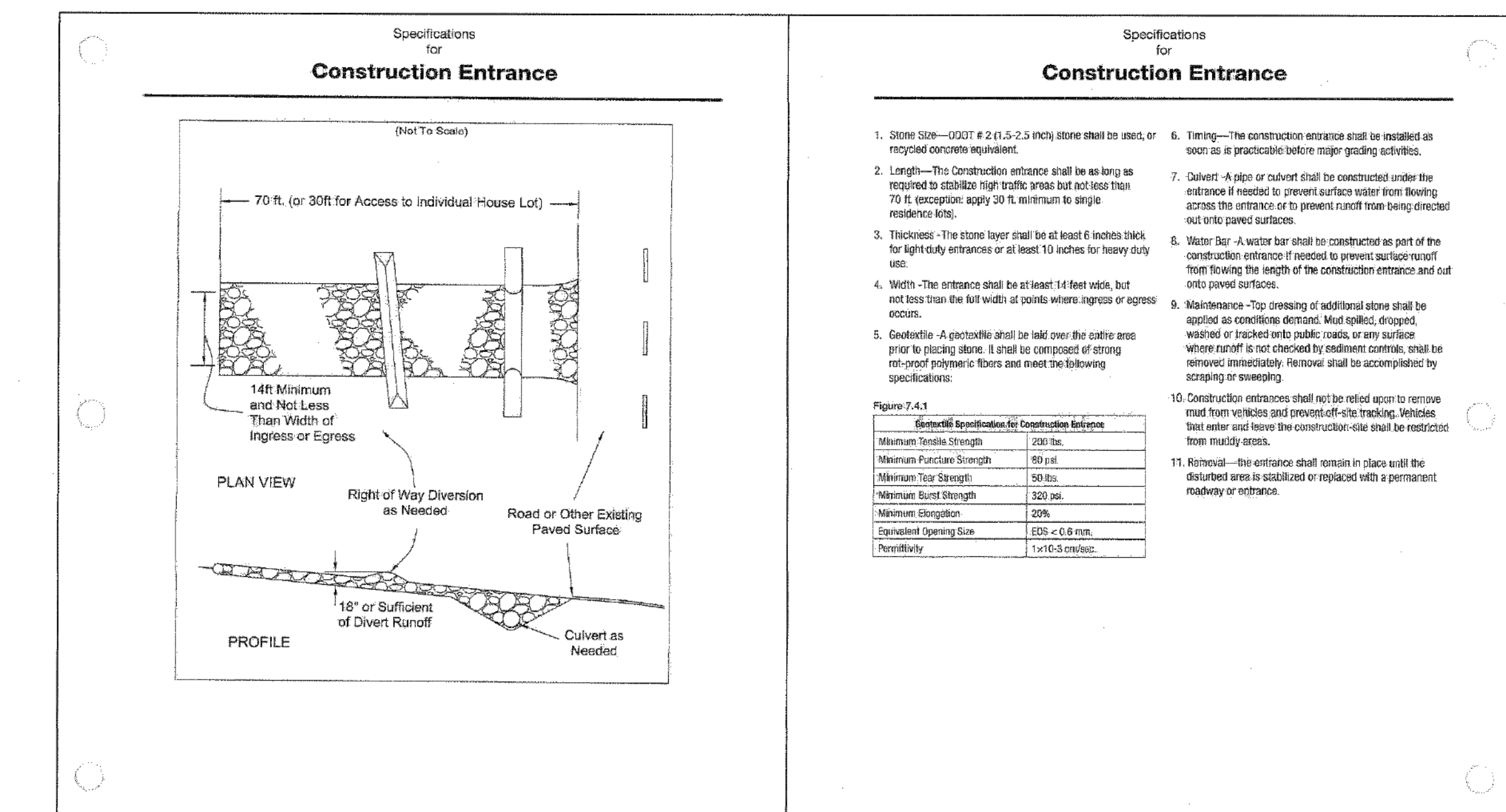
Larry Luffich
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INFORMATION OBTAINED FROM THE 2006 EDITION OF THE STATE OF OHIO'S "RAINWATER AND LAND DEVELOPMENT MANUAL".

| 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/TB |
| | | | SWP-26 |

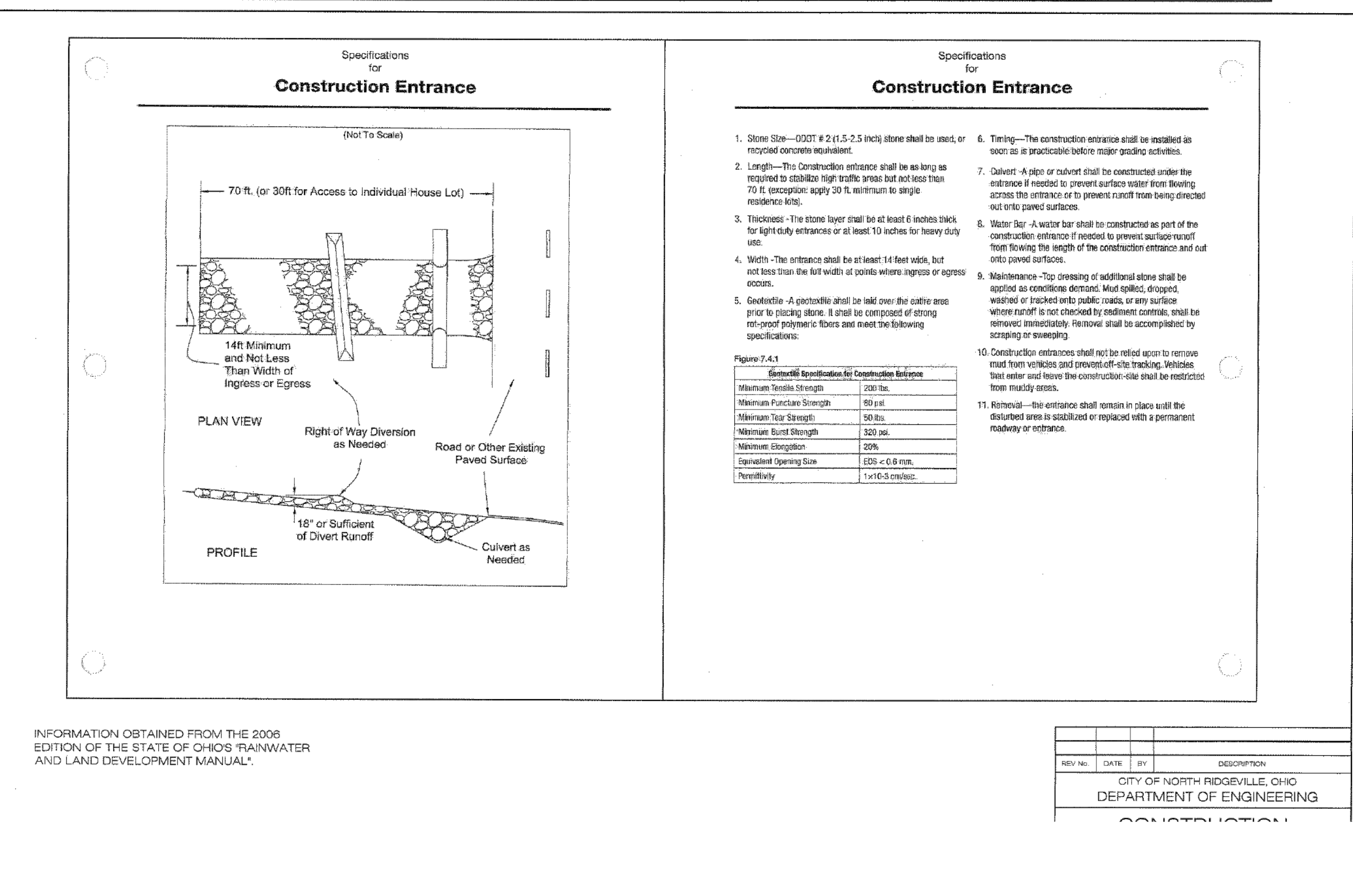
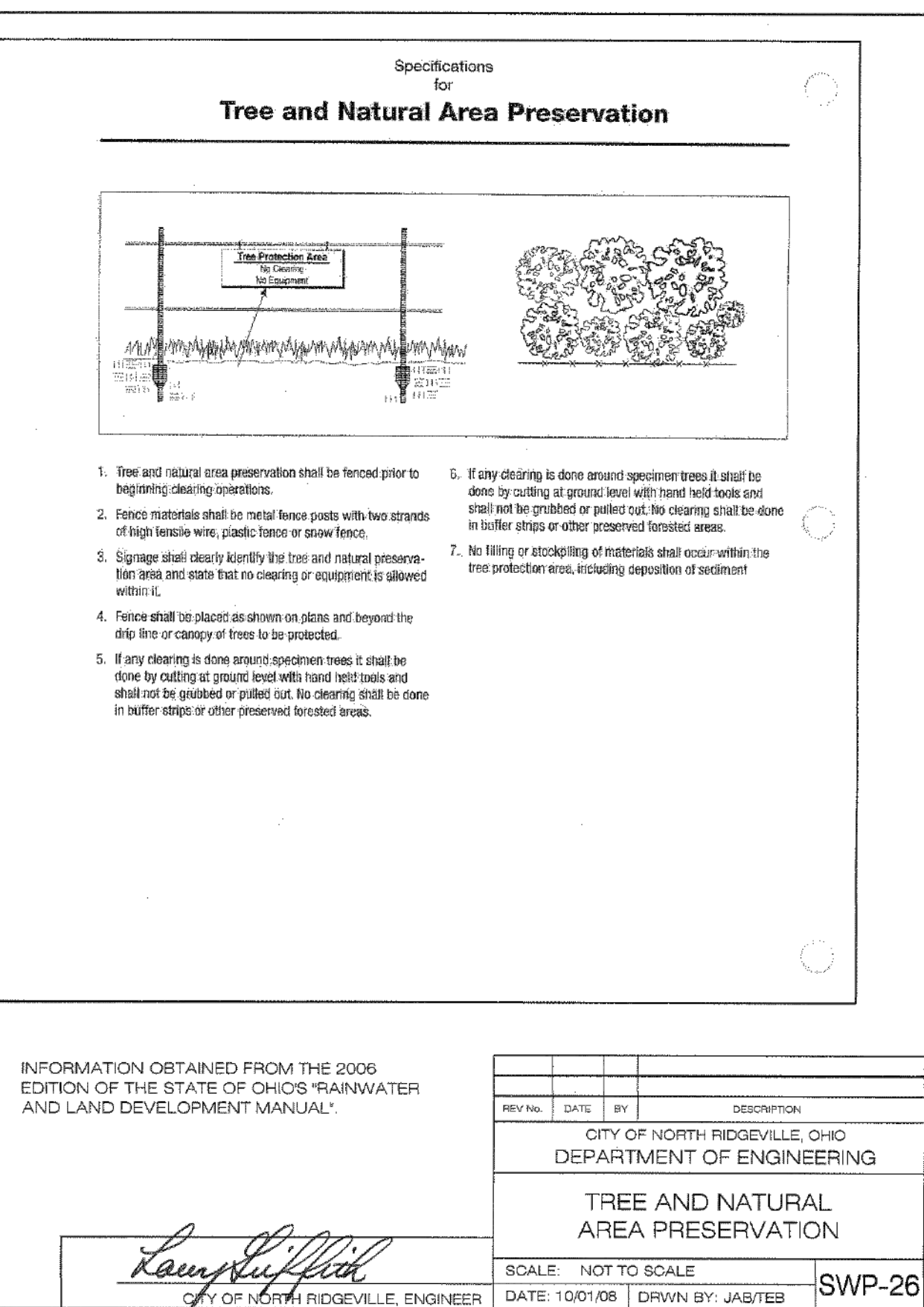
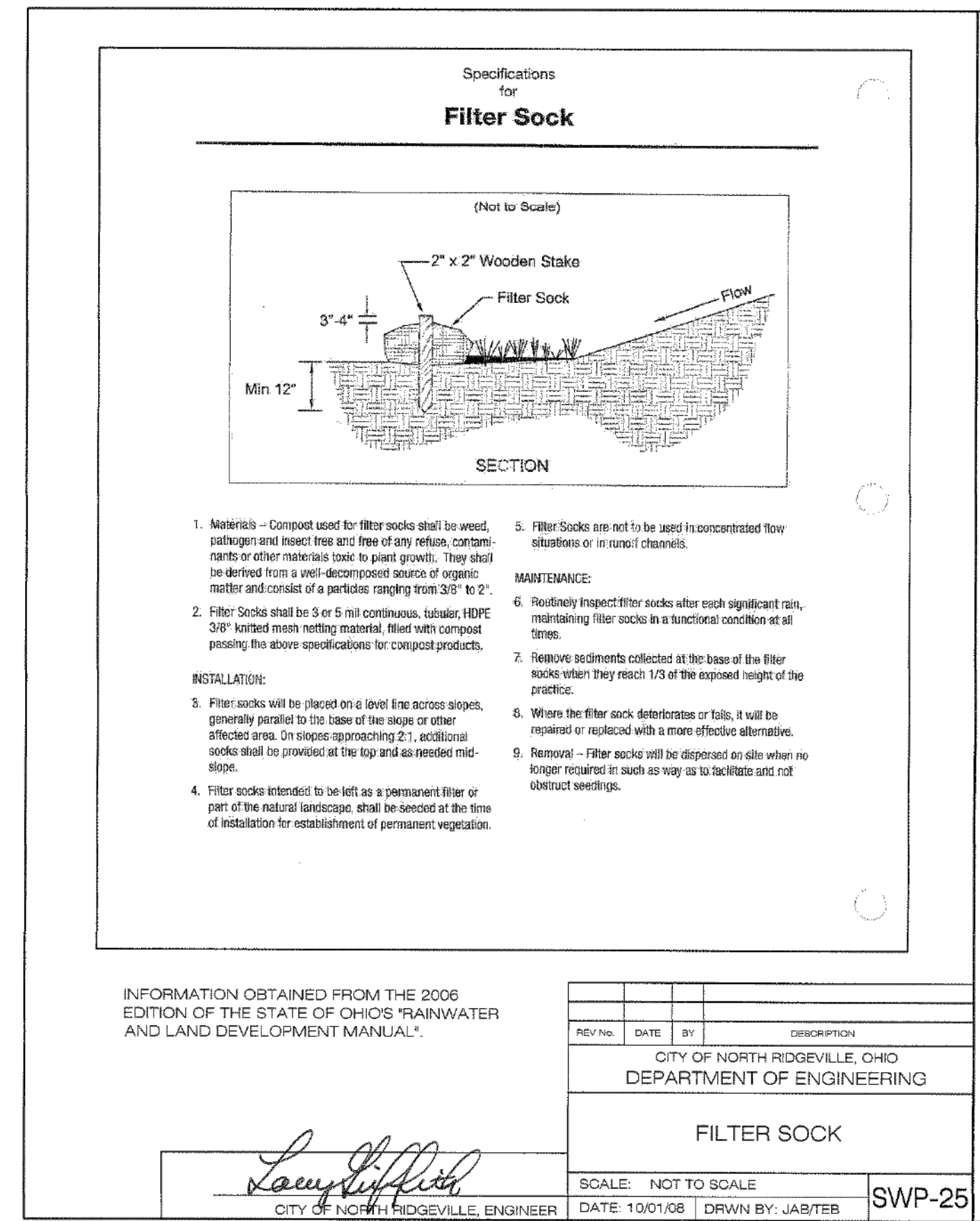
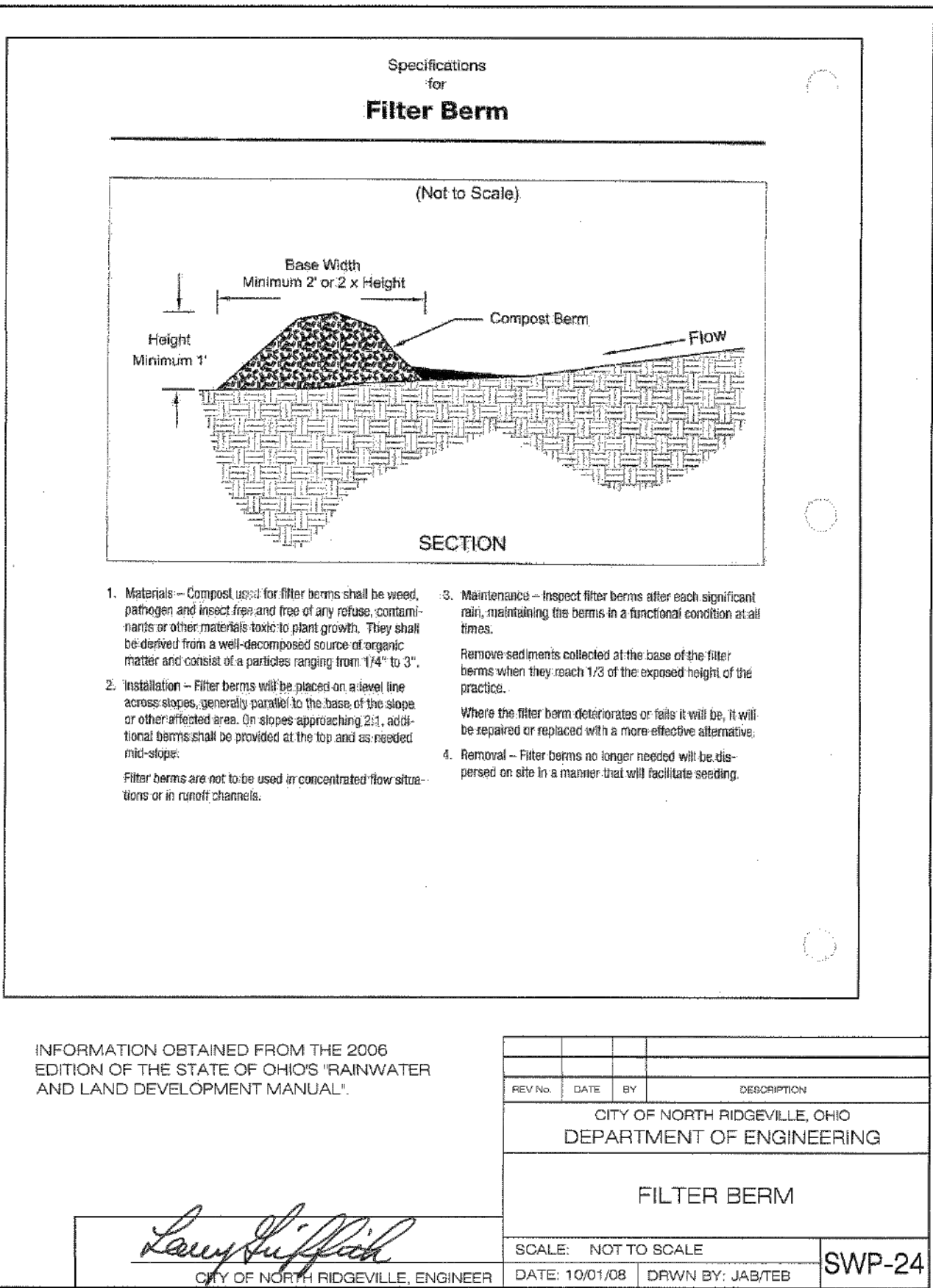
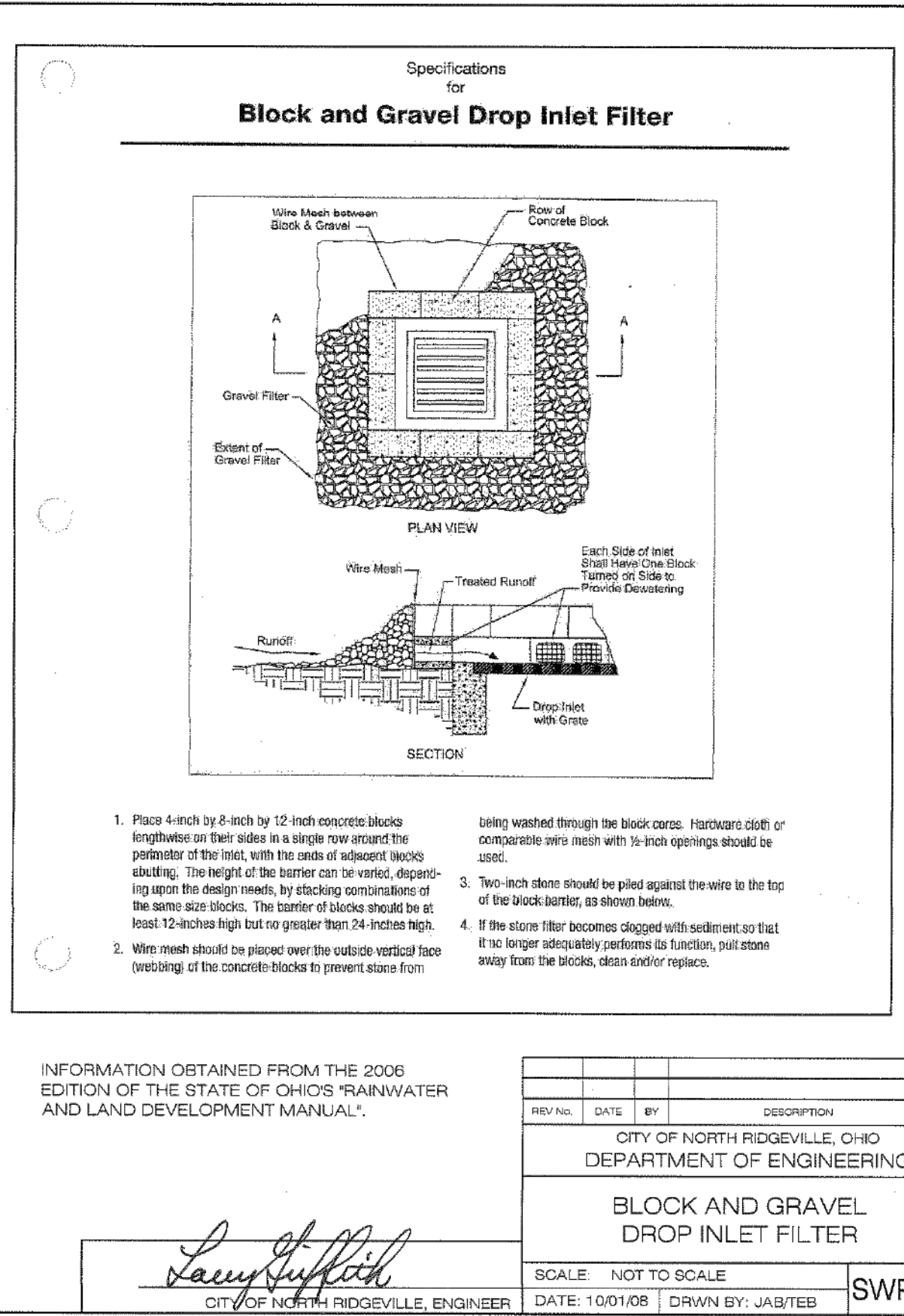
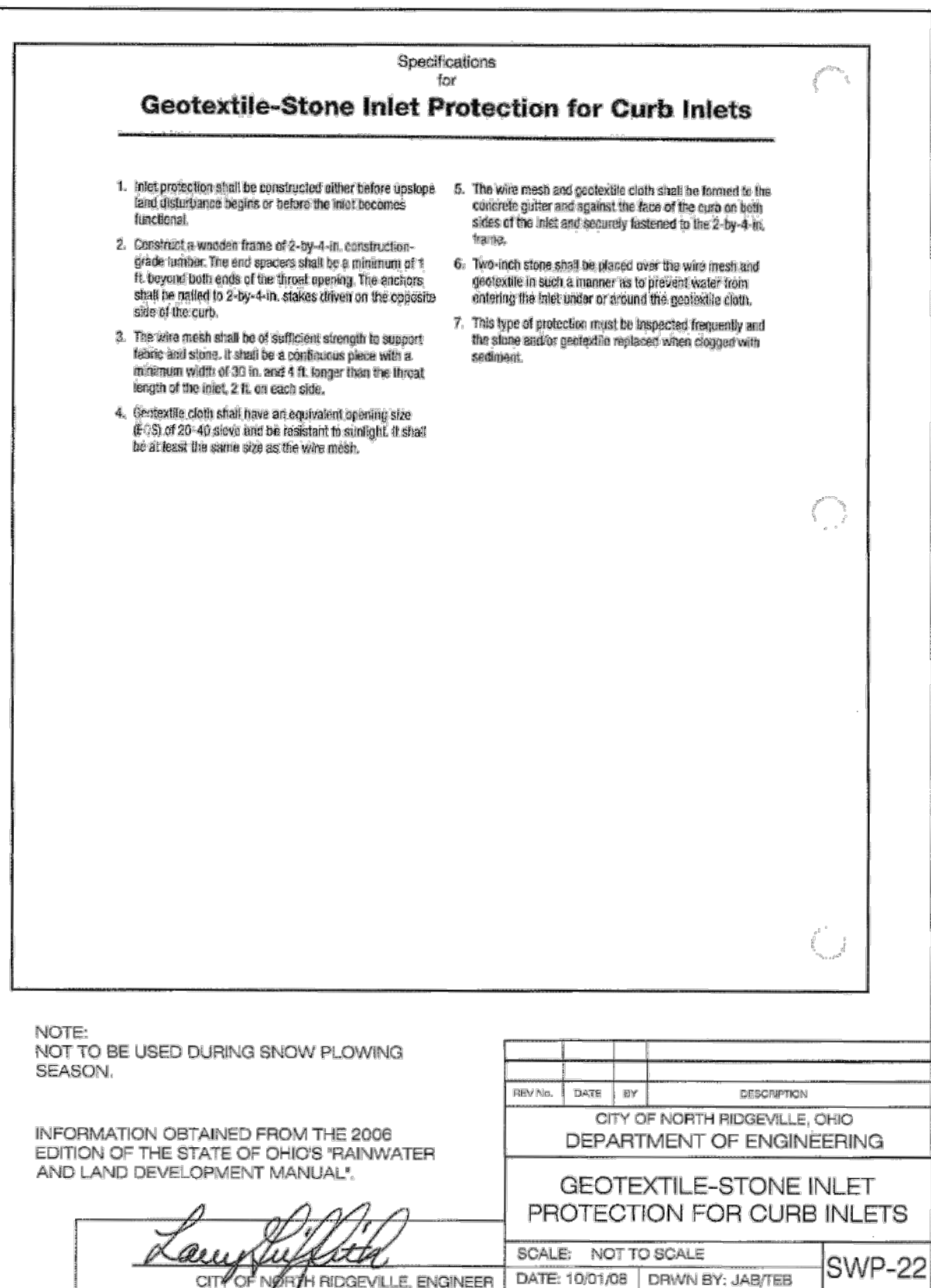
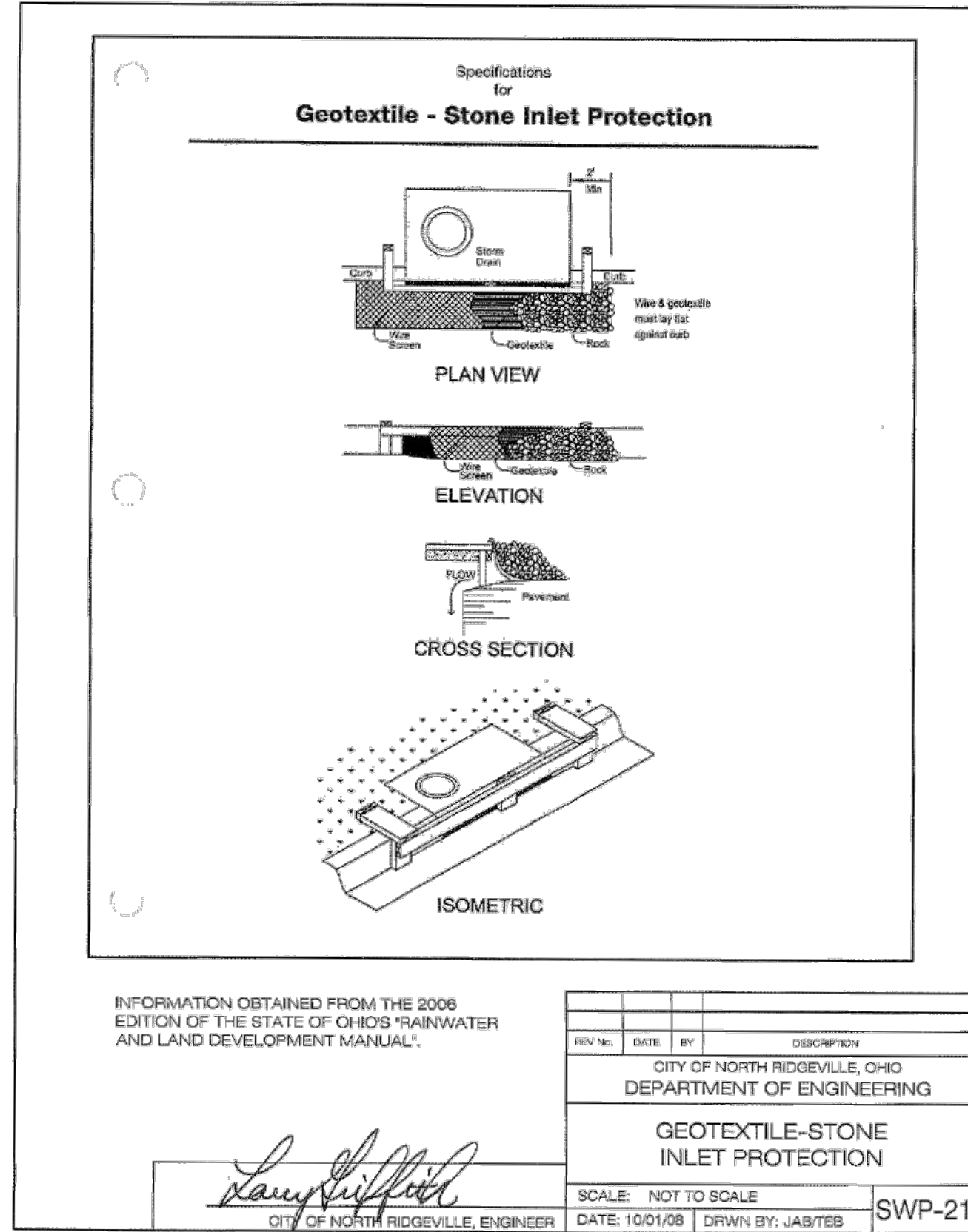
Larry Luffich
CITY OF NORTH RIDGEVILLE, ENGINEER



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 |
| | | | CONSTRUCTION ENTRANCE |
| | | | SCALE: NOT TO SCALE DATE: 10/01/08 DRAWN BY: JAB/TB |
| | | | SWP-27 |

Larry Luffich
CITY OF NORTH RIDGEVILLE, ENGINEER



Specifications for Dust Control

- Vegetative Cover and/or mulch - Apply temporary or permanent seeding and mulch to areas that will remain idle for over 70 days. Saving existing trees and large shrubs will also reduce soil and air movement across disturbed areas. See Temporary Seeding; Permanent Seeding; Mulching Practices; and Tree and Natural Area Protection practices.
- Watering - Sprinkling sites with water until the surface is wet before and during grading and repeat as needed, especially on haul roads and other heavy traffic routes. Watering shall be done at a rate that prevents dust but does not cause soil erosion. Wetting agents shall be utilized according to manufacturers instructions.
- Spray-On Adhesives - Apply adhesive according to the following table or manufacturers' instructions.

| Adhesive | Water (Percent Adhesive/Water) | Vehicle Type | Application Rate (Gals./Sq. Yd.) |
|---|--------------------------------|--------------|----------------------------------|
| Latex Emulsion | 12:5:1 | Flat | 235 |
| Road in Water Acrylic Emulsion (No-traffic) | 4:1 | Flat | 300 |
| Acrylic Emulsion (No-traffic) | 7:1 | Coverse | 400 |
| Acrylic Emulsion (Traffic) | 3.5:1 | Coverse | 300 |
- Strips - Graded roadways and other suitable areas will be stabilized using crushed stone or coarse gravel as soon as practicable after reaching an interim or final grade. Crushed stone or coarse gravel can be used as a permanent cover to provide control of soil erosion.
- Barriers - Existing windbreak vegetation shall be marked and preserved. Snow fencing or other suitable barrier may be placed perpendicular to prevailing air currents at intervals of about 15 times the barrier height to control air currents and blowing soil.
- Calcium Chloride - This chemical may be applied by mechanical spreader or by hand, at a rate of 100 to 150 lbs. per acre at a rate that keeps the surface moist but not so high as to cause water pollution or plant damage. Application rates should be strictly in accordance with supplier's specified rates.
- Operation and Maintenance - When Temporary Dust Control measures are used, repetitive treatment should be applied as needed to accomplish control.
 - Street Cleaning - Pavement areas that have accumulated sediment from construction should be cleaned daily, or as needed, utilizing a street sweeper or broom-type end-loader or scraper.

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

| | |
|---|--|
| | |
| CITY OF NORTH RIDGEVILLE, OHIO DEPARTMENT OF ENGINEERING | |

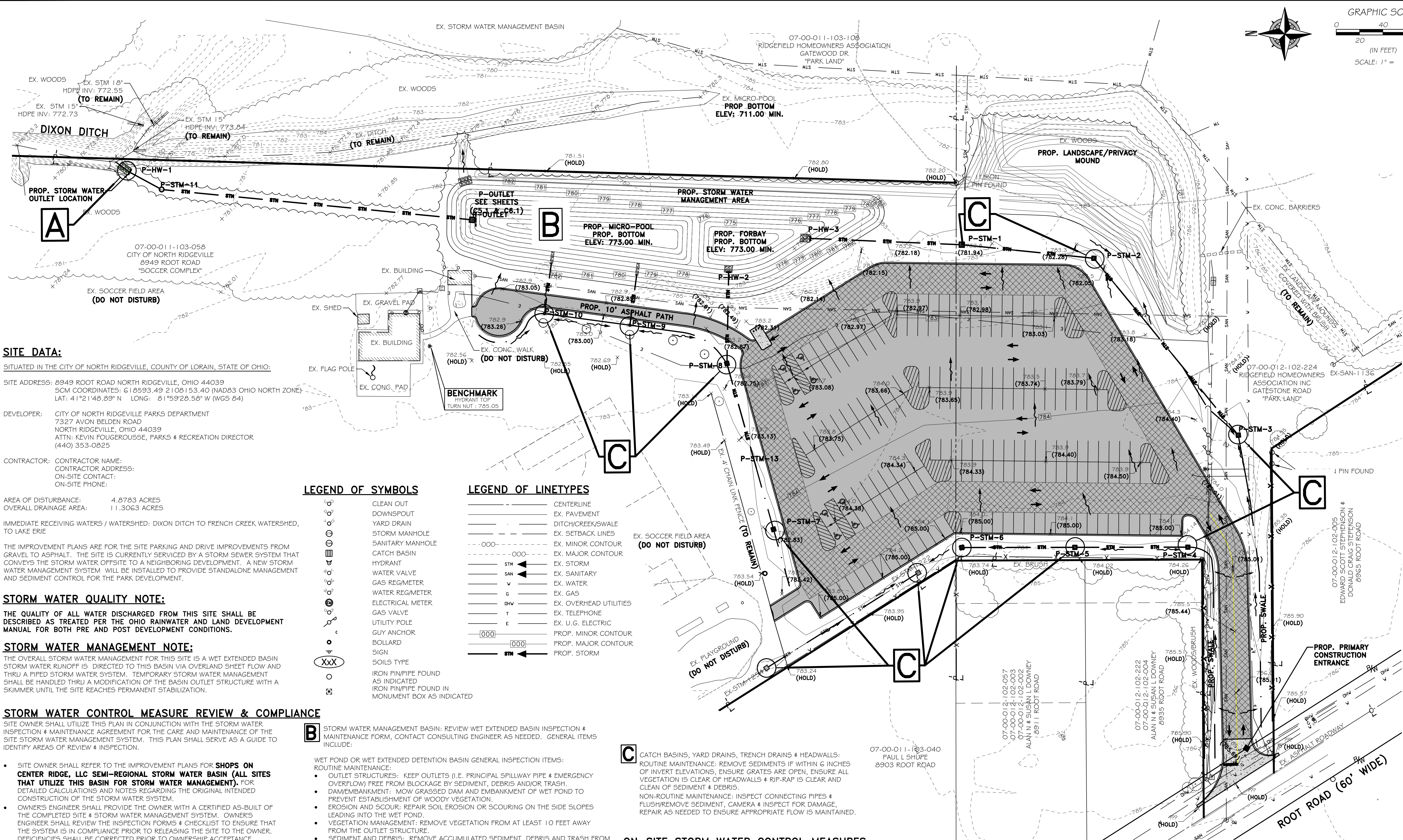
DUST CONTROL

SCALE: NOT TO SCALE

DATE: 10/01/06 DRAWN BY: JAR/TEB

SWP-29

REV. 11/22/16 OCTOBER 1, 2008



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 PIN/PIPE FOUND AS INDICATED
 - IRON PIN/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.

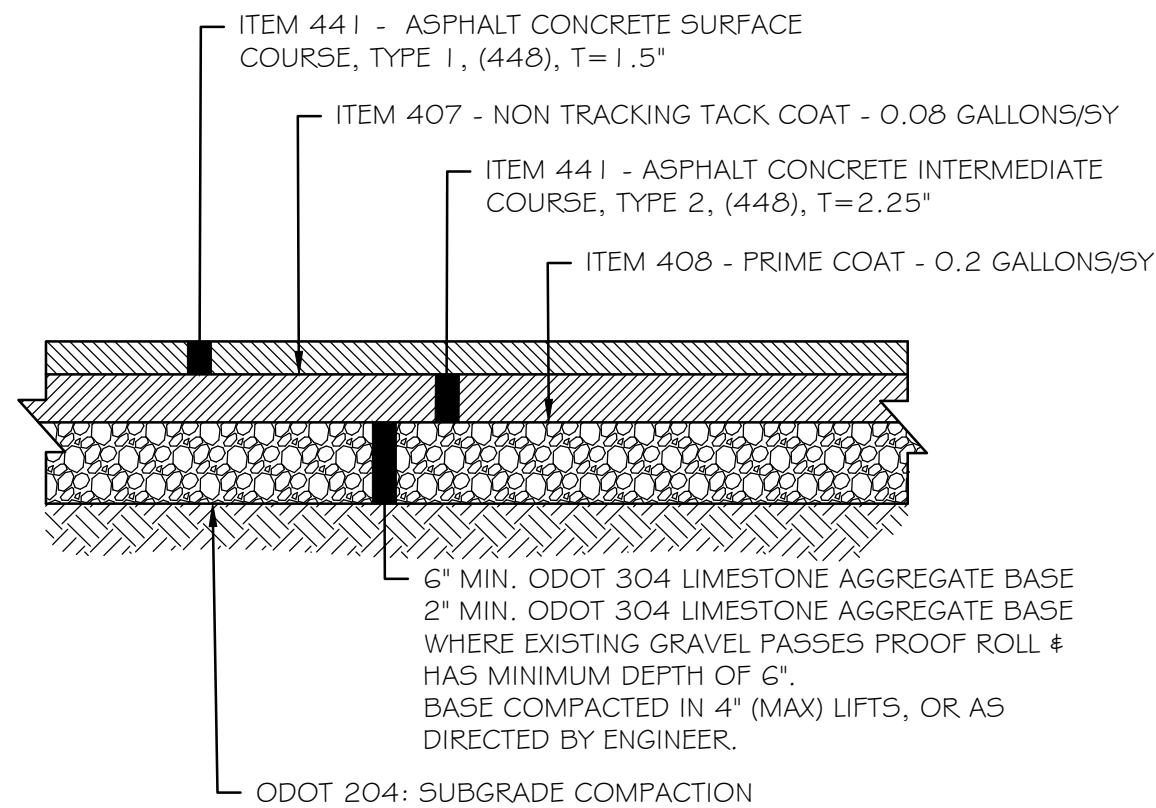
ON-SITE STORM WATER CONTROL MEASURES
SCM-1: STORMWATER BASIN
SCM COORDINATES: N: 618554.08 E: 2108383.44 (NAD83 OHIO NORTH ZONE)
LAT: N41°21'47.57" LONG: W81°59'25.24" (WGS 84)

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
OHIO811.org
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

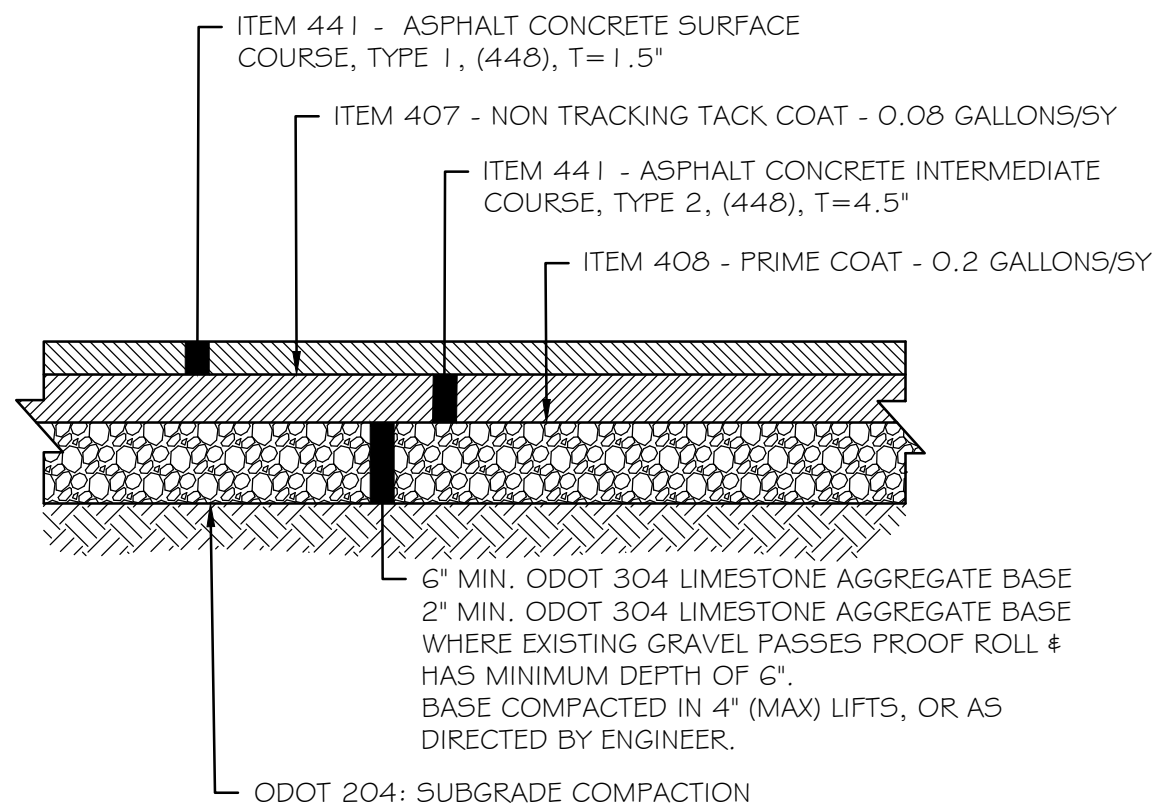
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|--|-----|------------|-------------------------|
| REV. | BY | DATE | DESCRIPTION |
| 1 | BDA | 11-10-2023 | ISSUE FOR CLIENT REVIEW |
| RAFTER A., LTD LAND SURVEYING • ENGINEERING • TESTING 42653 Oberlin-Elyria Road, Oberlin, Ohio 44074 440-707-4014 • www.raftera.com • info@raftera.com | | | |
| CITY OF NORTH RIDGEVILLE PARKS & RECREATION DEPARTMENT 7327 AVON BELDEN ROAD NORTH RIDGEVILLE, OHIO 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 |



PROPOSED STANDARD DUTY FULL DEPTH ASPHALT SECTION

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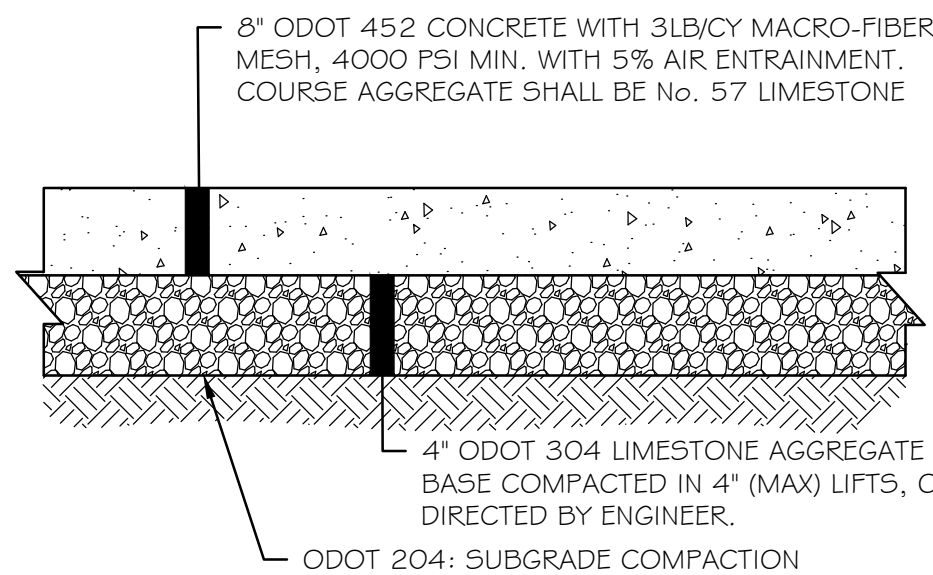
- CONTRACTOR SHALL PROOF ROLL SUBGRADE PRIOR TO PLACING STONE
- PROOF ROLL SHALL BE OBSERVED BY CITY APPROVED REPRESENTATIVE
- RECYCLED 304 LIMESTONE SHALL NOT BE PERMITTED



PROPOSED HEAVY DUTY FULL DEPTH ASPHALT SECTION

- NOT TO SCALE -

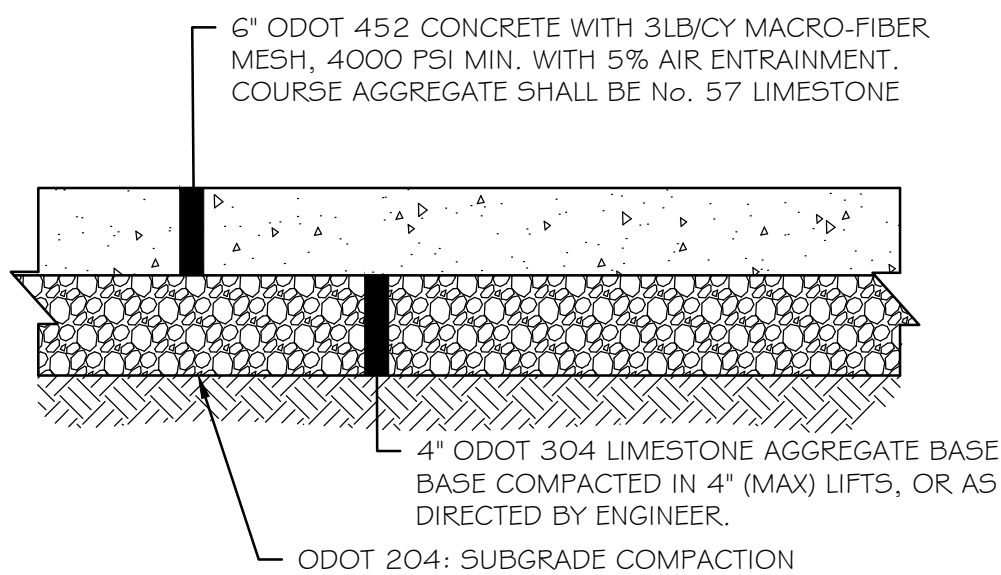
- CONTRACTOR SHALL PROOF ROLL SUBGRADE PRIOR TO PLACING STONE
- PROOF ROLL SHALL BE OBSERVED BY CITY APPROVED REPRESENTATIVE
- RECYCLED 304 LIMESTONE SHALL NOT BE PERMITTED



PROPOSED CONCRETE SECTION DRIVE APRON

- NOT TO SCALE -

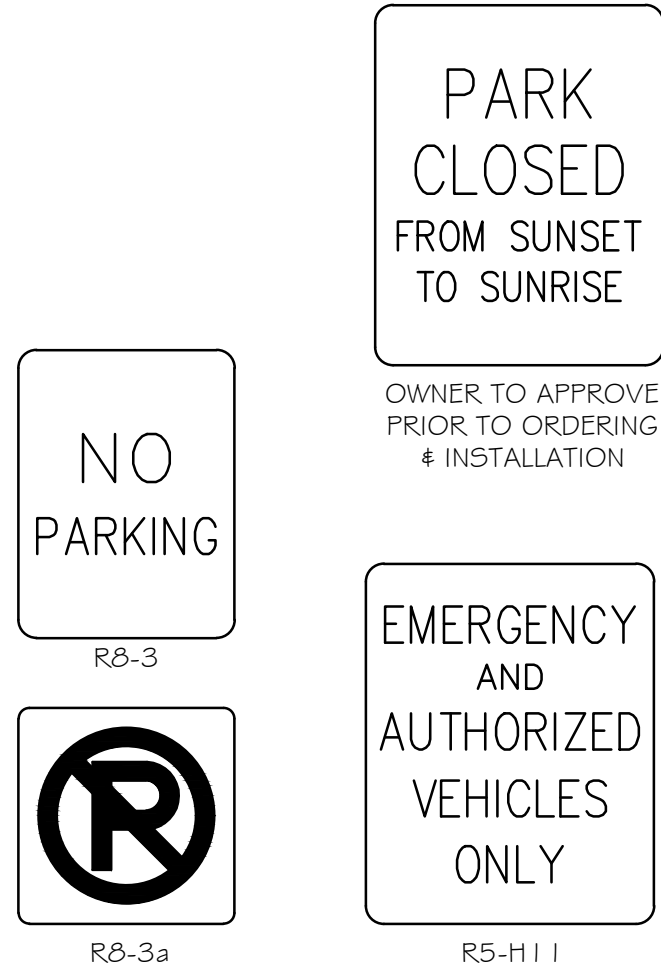
OR AS APPROVED BY GEOTECHNICAL ENGINEER



PROPOSED CONCRETE SECTION DUMPSTER PAD

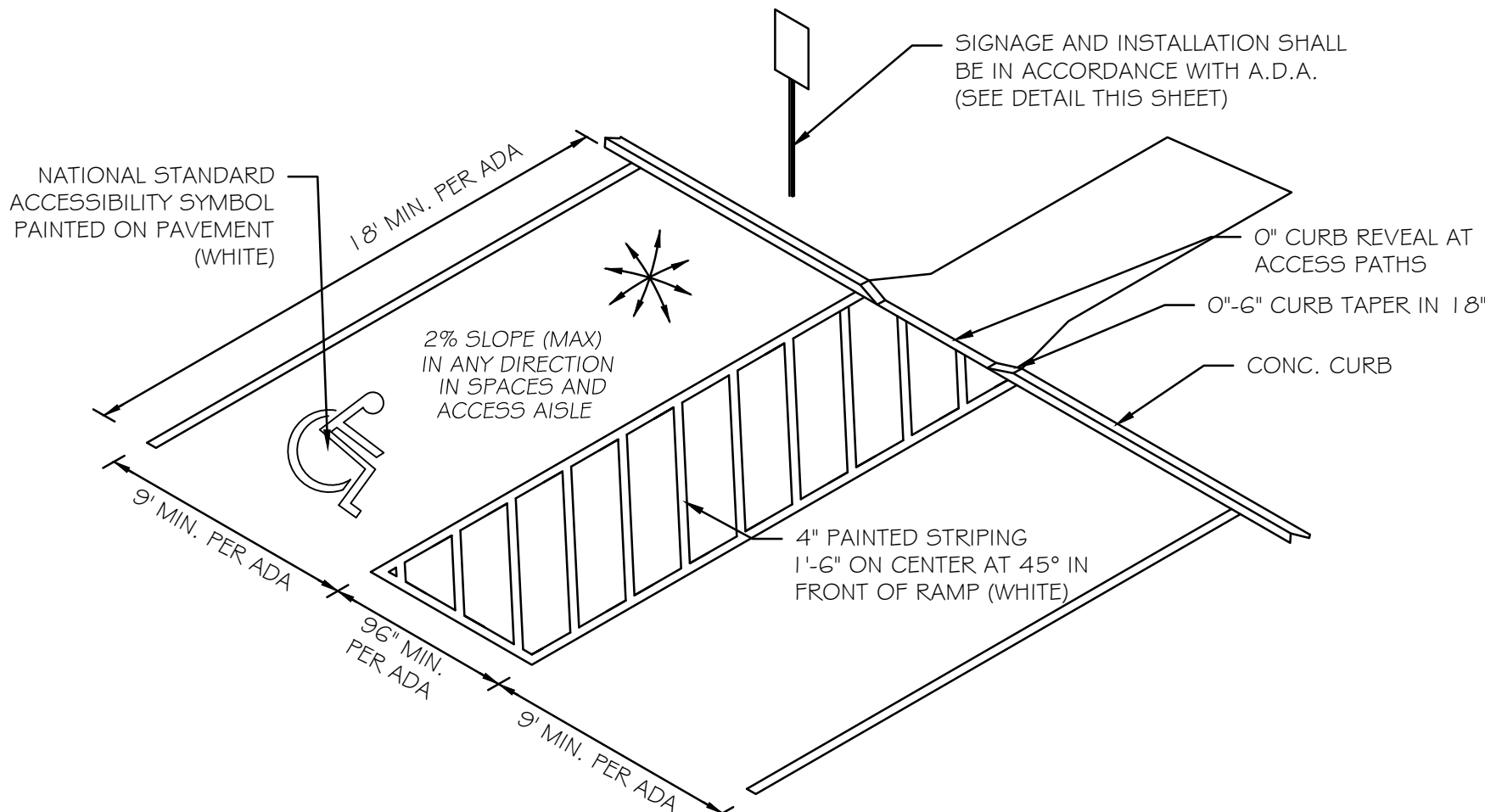
- NOT TO SCALE -

OR AS APPROVED BY GEOTECHNICAL ENGINEER



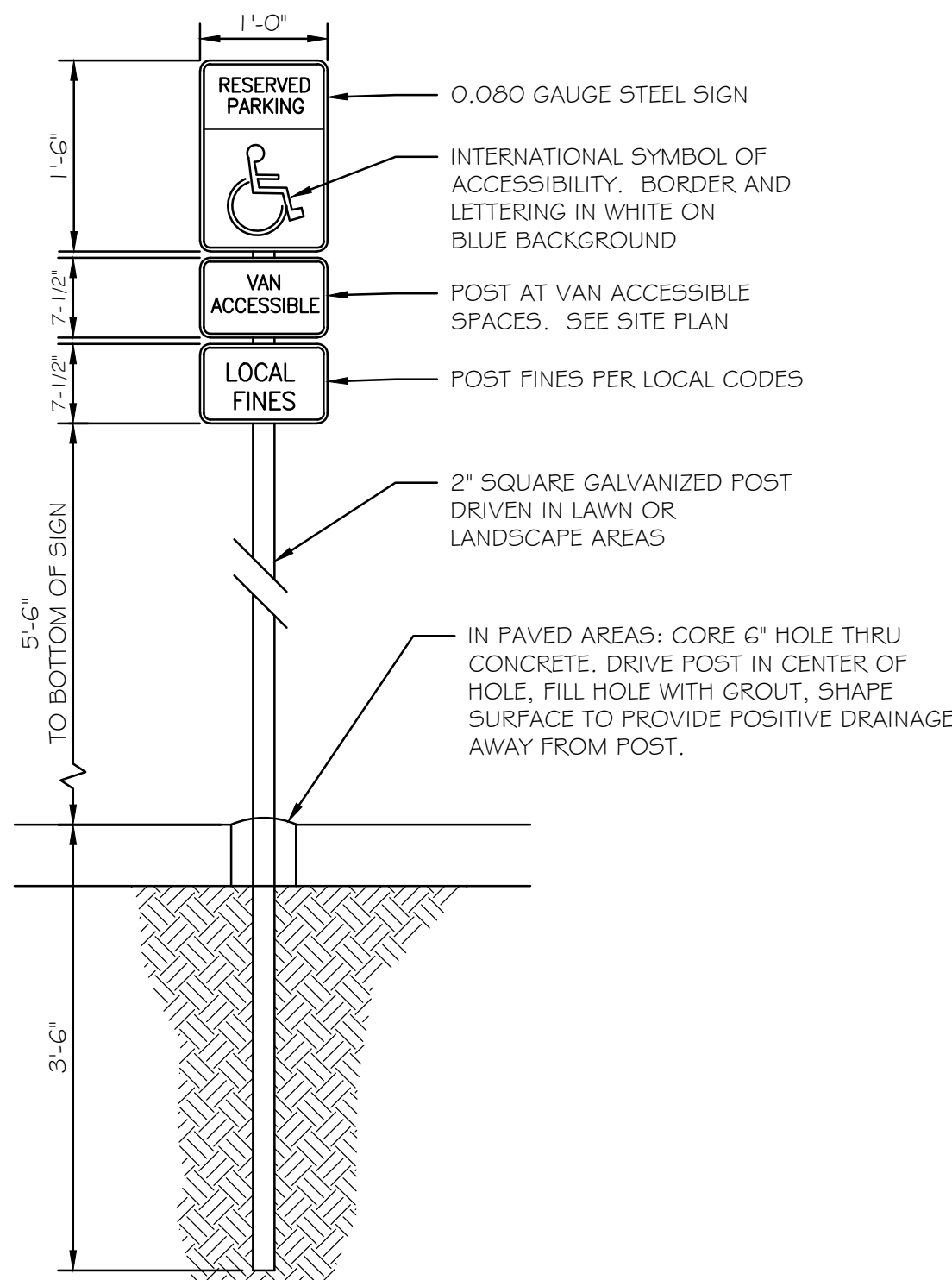
SIGN DETAILS & TYPES

- NOT TO SCALE -



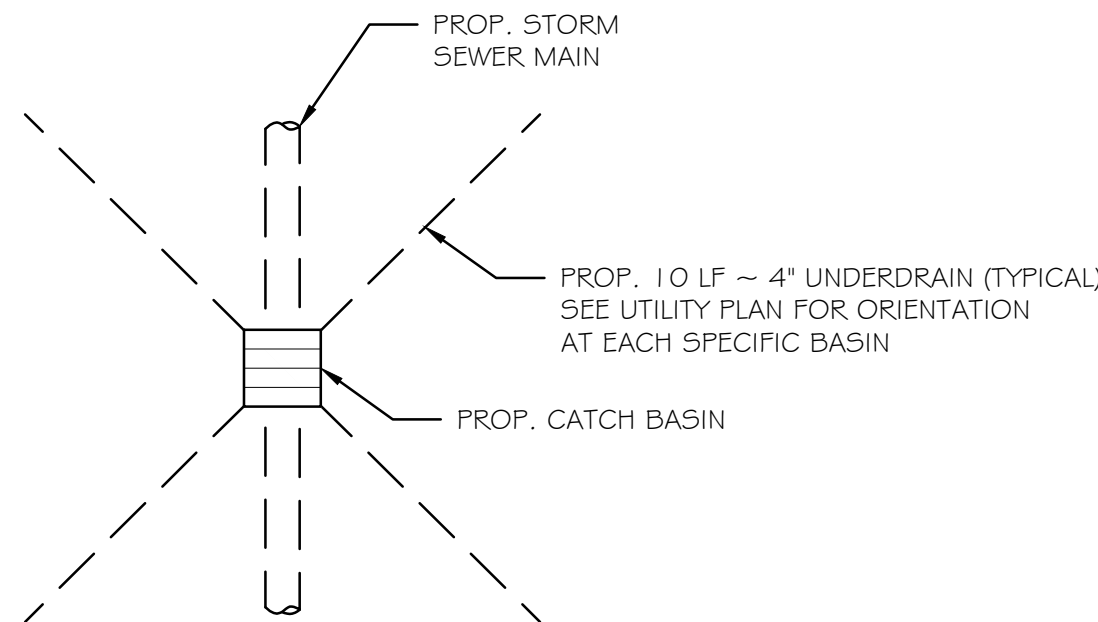
ACCESSIBLE PARKING DETAIL

- NOT TO SCALE -



HANDICAP PARKING SIGN POST DETAIL

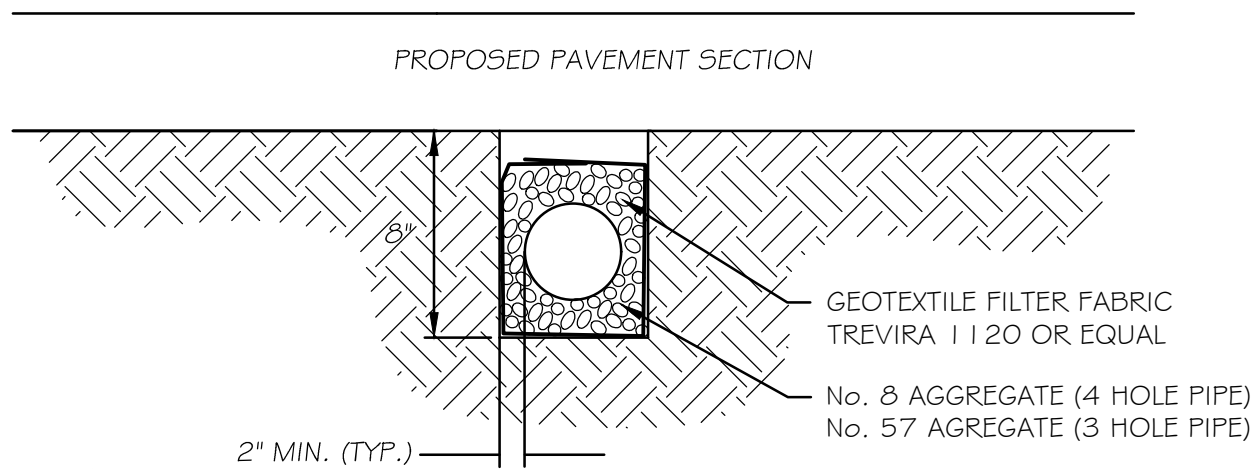
- NOT TO SCALE -



UNDERDRAIN DETAIL

- NOT TO SCALE -

THE 4" DIAMETER PERFORATED PIPE (PERFORATIONS DOWN, PVC ASTM 3034, SDR 35, O.D.O.T. 707.41 OR EQUAL) WILL CONNECT INTO THE DESIGNATED CATCH BASIN (WITH INVERTS 1'8" BELOW TOP OF GRATE) - 10' LENGTHS. THE PERFORATED PIPE SHALL BE PROTECTED FROM HEAVY TRAFFIC AFTER INSTALLATION PRIOR TO PLACEMENT OF PROPOSED PAVING.



TYPICAL 4" UNDERDRAIN DETAIL AT STORM STRUCTURES

- NOT TO SCALE -

| REV. | BY | DATE | DESCRIPTION |
|------|-----|------------|-------------------------|
| 1 | BDA | 11-10-2023 | ISSUE FOR CLIENT REVIEW |
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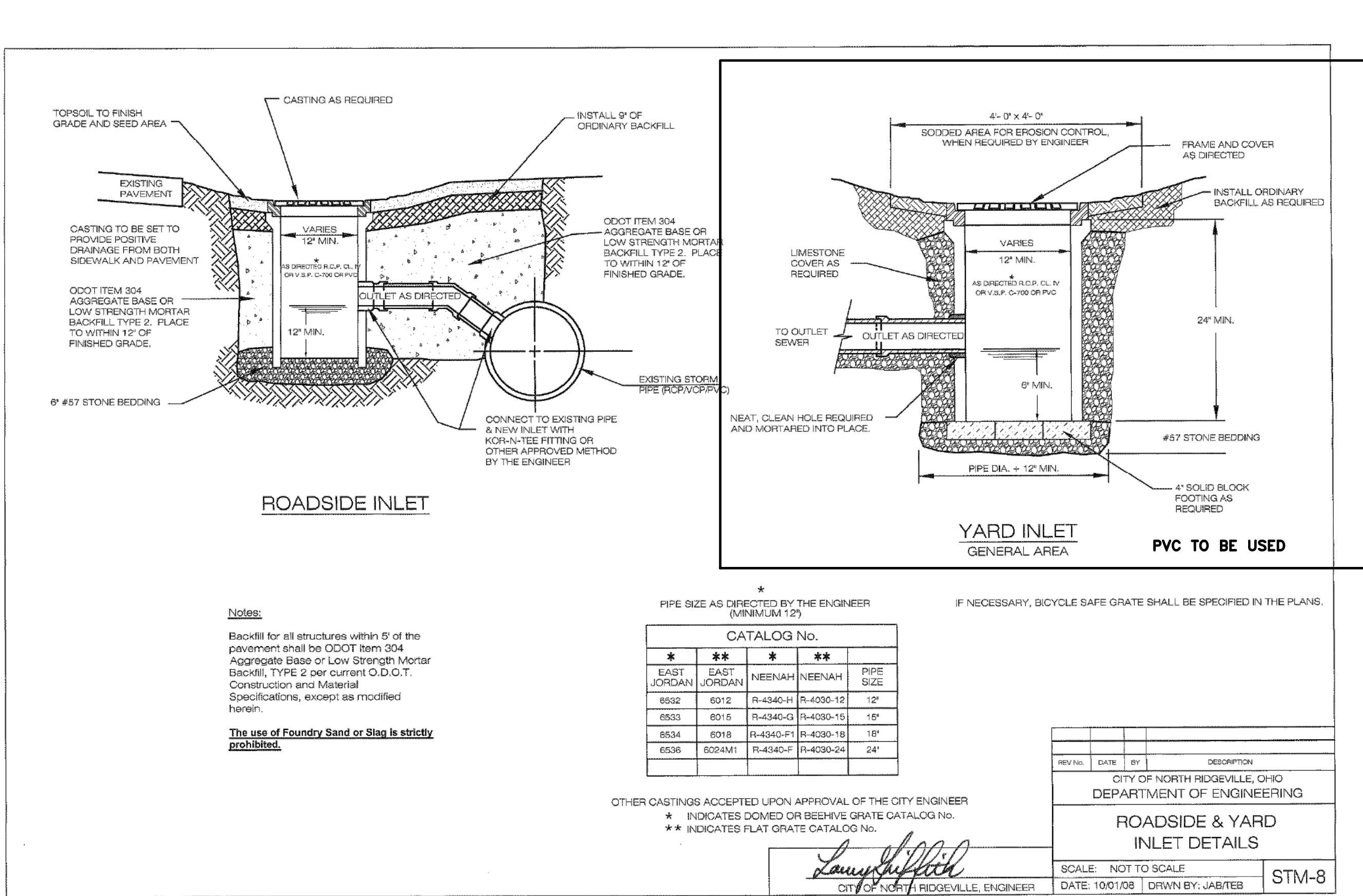
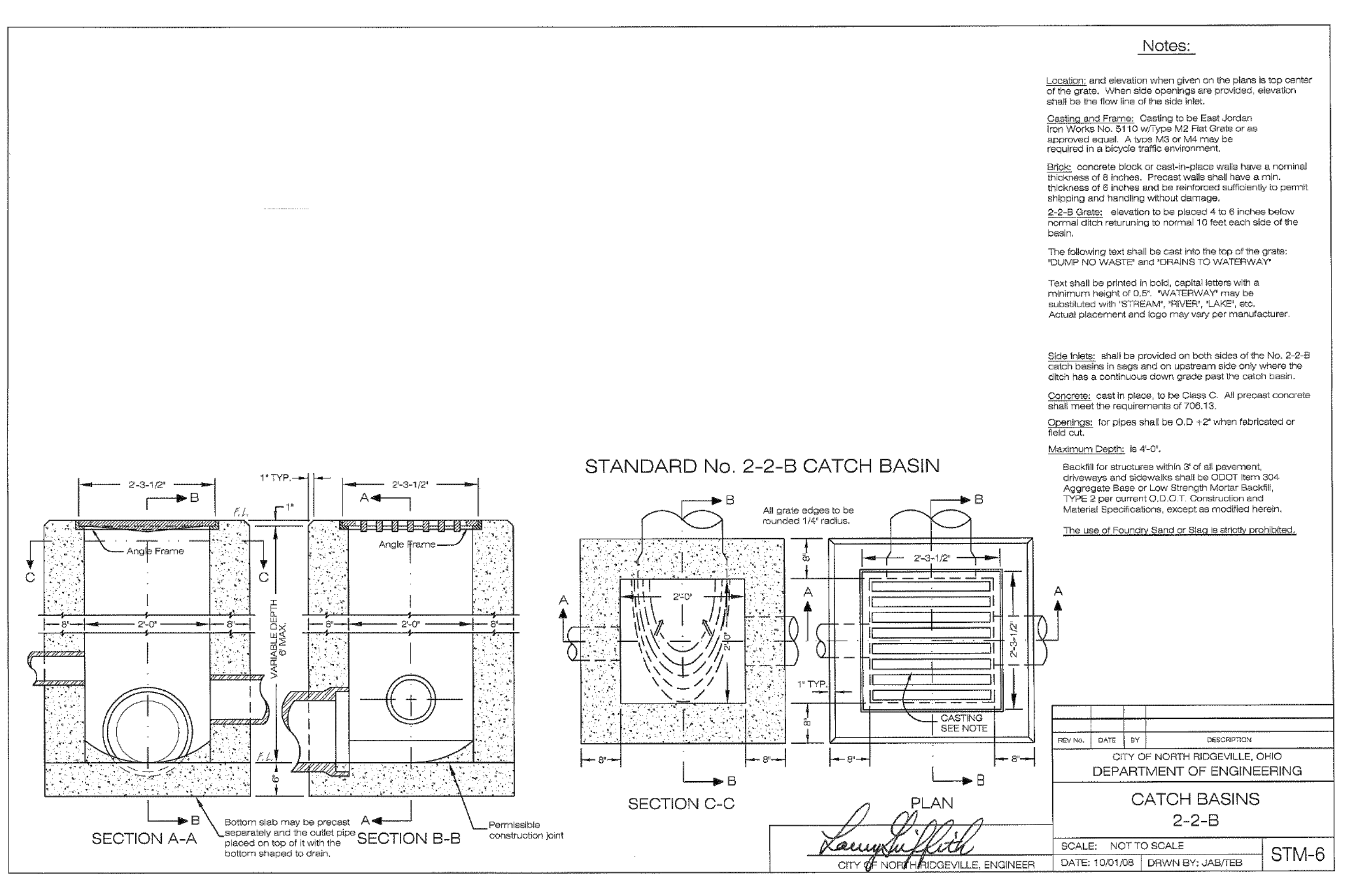
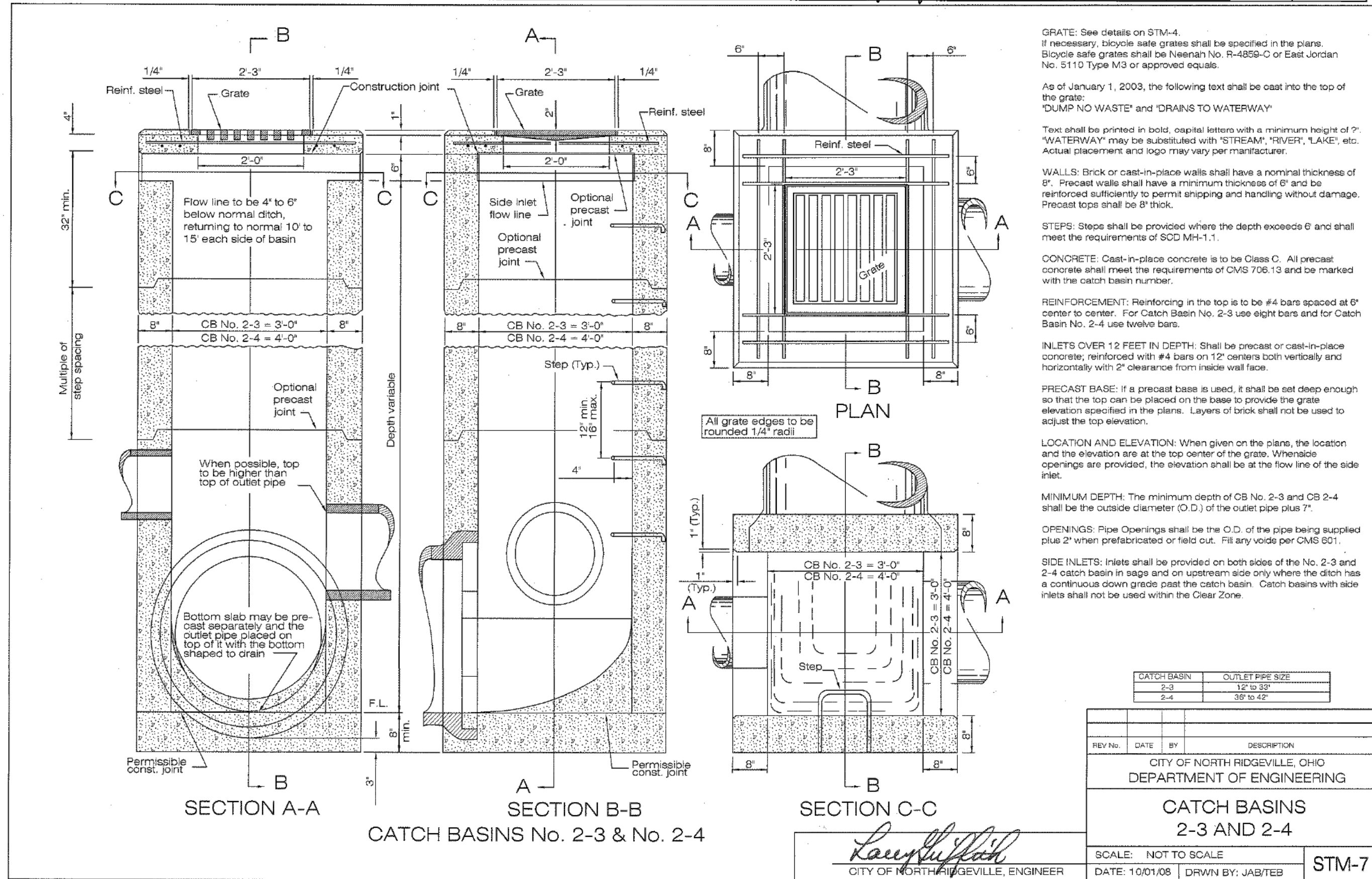
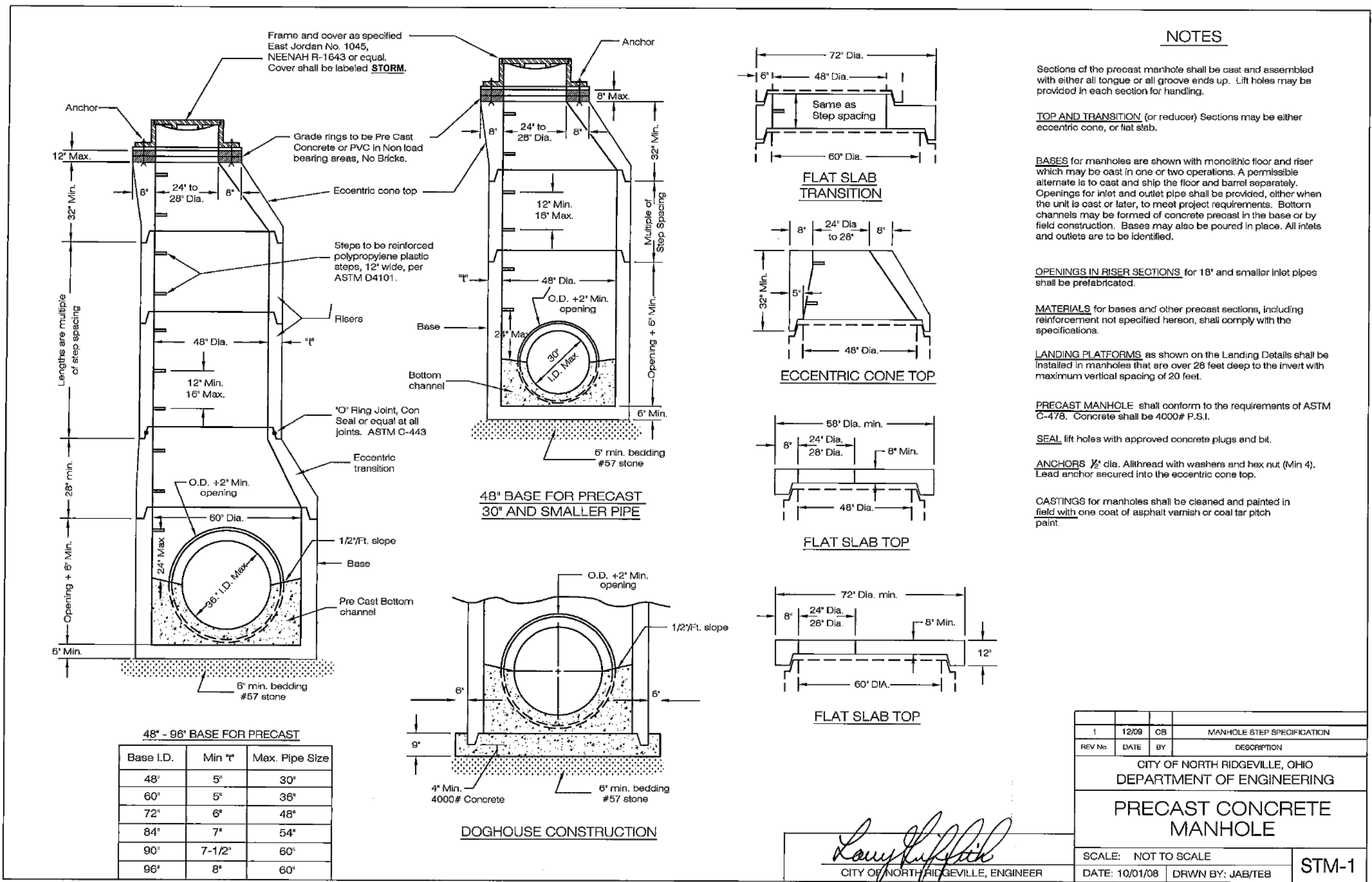
CITY OF NORTH RIDGEVILLE
PARKS & RECREATION DEPARTMENT
7327 AVON BELDEN ROAD
NORTH RIDGEVILLE, OHIO 44039

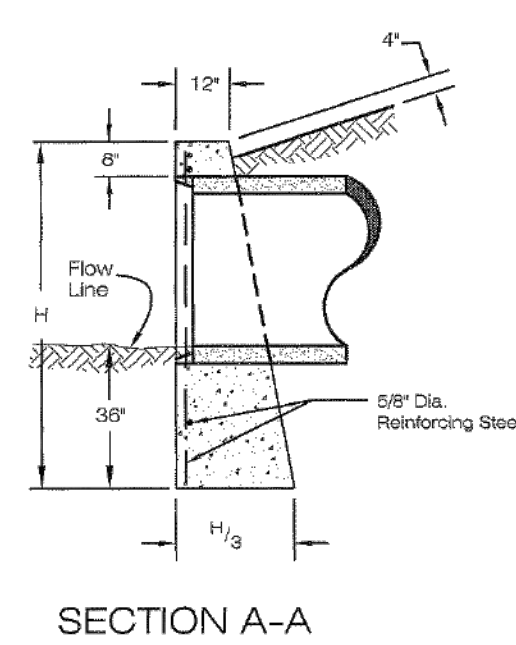
CITY OF NORTH RIDGEVILLE
PARKS DEPARTMENT
ROOT ROAD PARK PAVEMENT
& SITE IMPROVEMENTS
MISCELLANEOUS DETAILS

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

SHEET: **C7.0**

8949 ROOT ROAD, NORTH RIDGEVILLE, OHIO 44090





| 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'-5" | 2.8 | 62 |
| 24" | 5'-11" | 11'-0" | 3.3 | 59 |
| 30" | 6'-5" | 13'-8" | 4.7 | 92 |
| 36" | 7'-0" | 16'-4" | 6.5 | 105 |

No. 1 headwall, where required, will be provided for nonsewered outfalls having a diameter or slope 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 slopes.

Chamber 4/8 exposed corners 3/4 of an inch.

Foundation: Where the soil borings indicate a bearing capacity of less than 2800 pounds per square foot, it will be necessary to increase the width of the base.

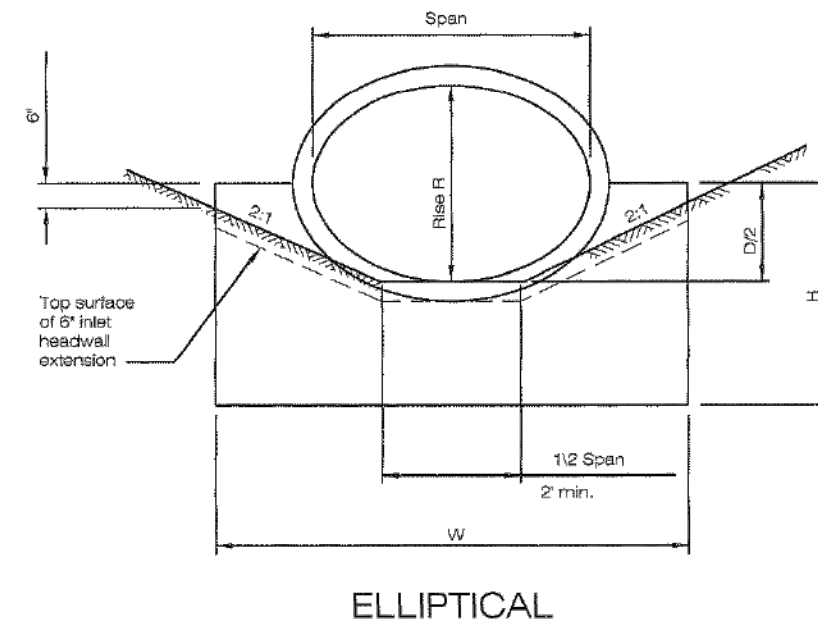
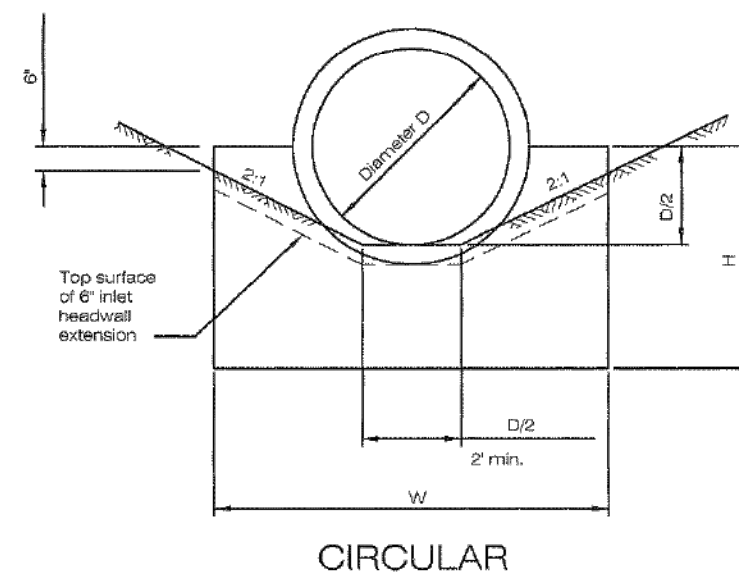
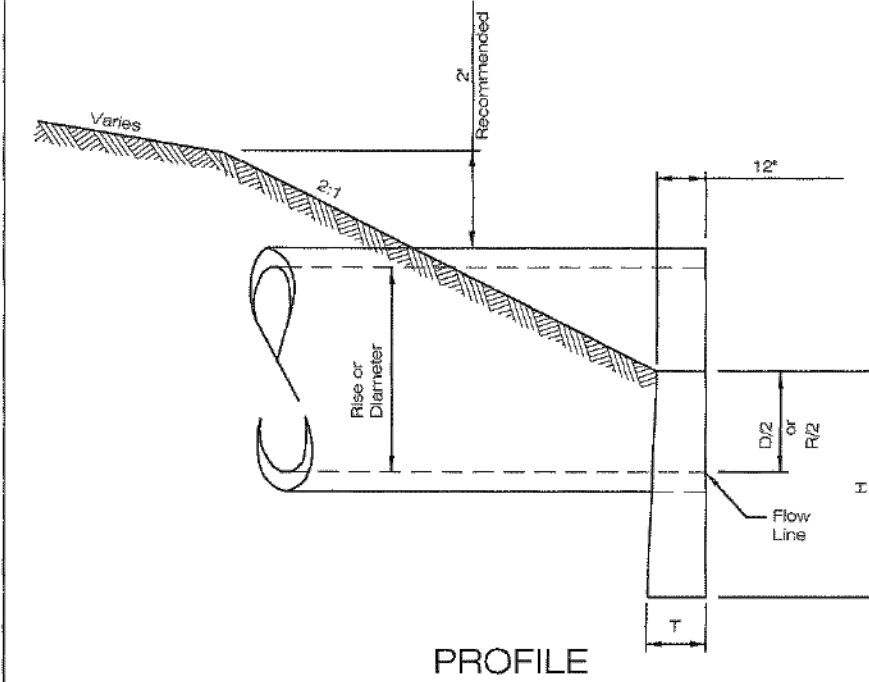
For headwall outlet protection, see STM-13.

L CIRCULAR SECTIONS = $5D + 4t$
 L ELLIPTICAL OR PIPE ARCH = $4R + 4t + S$
 H CIRCULAR SECTIONS = $D + t = 4d'$
 H ELLIPTICAL OR PIPE ARCH = $R + t = 4d'$

D = DIAMETER OF PIPE
 R = RISE OF PIPE
 S = SPAN OF PIPE
 t = THICKNESS OF BARREL
 L = LENGTH OF HEADWALL
 H = HEIGHT OF HEADWALL

All cast in place headwalls shall have a cement wash.

| | | | |
|--------------------------------|------------------|----|-------------|
| | | | |
| REV NO. | DATE | BY | DESCRIPTION |
| CITY OF NORTH RIDGEVILLE, OHIO | | | |
| DEPARTMENT OF ENGINEERING | | | |
| STANDARD | | | |
| No. 1 HEADWALL | | | |
| SCALE: NOT TO SCALE | | | STM-10 |
| DATE: 10/01/08 | DRAWN BY: JABTER | | |



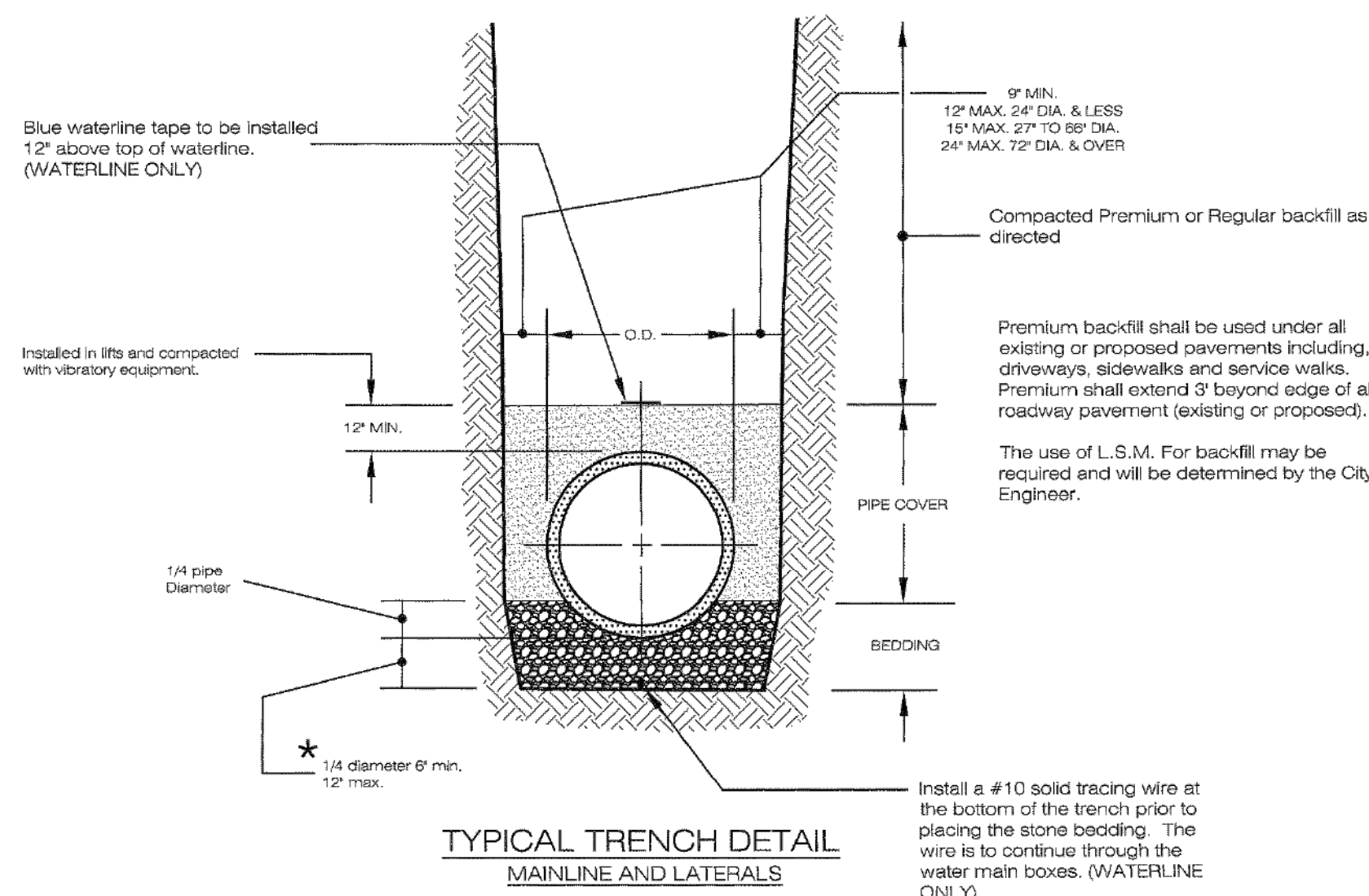
GENERAL: This drawing is for cast in place half-height concrete headwalls. When furnishing precast half-height headwalls, submit shop drawings for approval prior to manufacture. Precast half-height headwalls are only approved for round conduits with a maximum conduit diameter of 78".

CONCRETE: Concrete for headwalls shall be Class C.

For headwall outlet protection, see STM-13.

| C.I.P. HEADWALLS FOR CONCRETE PIPE | | | | | | | | | | | |
|------------------------------------|-------|-------|-----|------------|-------|------------|--------|-------|-----|------------|-------|
| CIRCULAR | | | | | | ELLIPTICAL | | | | | |
| D | W | H | T | Conc. vol. | Steel | Rise | W | H | T | Conc. vol. | Steel |
| 12" | 2-0" | 3-0" | 12" | 0.50 | 32 | 14 | 3-0" | 3-0" | 12" | 0.50 | 32 |
| 18" | 2-0" | 3-0" | 12" | 0.60 | 30 | 19 | 3-0" | 3-0" | 12" | 0.60 | 30 |
| 18" | 3-0" | 3-0" | 12" | 0.81 | 34 | 22 | 3-11" | 3-0" | 12" | 0.81 | 34 |
| 24" | 3-0" | 3-0" | 12" | 0.96 | 36 | 27 | 4-0" | 3-0" | 12" | 0.96 | 36 |
| 24" | 4-0" | 3-0" | 12" | 0.43 | 25 | 27 | 4-0" | 3-7" | 12" | 0.45 | 28 |
| 30" | 4-0" | 3-0" | 12" | 0.69 | 30 | 30 | 6-1" | 3-0" | 12" | 0.69 | 30 |
| 30" | 5-0" | 3-0" | 12" | 0.84 | 34 | 35 | 5-0" | 3-10" | 12" | 0.85 | 34 |
| 36" | 5-0" | 3-10" | 12" | 0.62 | 33 | 34 | 6-11" | 4-0" | 14" | 0.69 | 36 |
| 36" | 6-0" | 4-0" | 12" | 0.88 | 36 | 38 | 8-10" | 5-0" | 12" | 0.82 | 38 |
| 42" | 6-0" | 4-0" | 12" | 0.96 | 38 | 42 | 9-0" | 5-0" | 12" | 0.94 | 38 |
| 42" | 7-0" | 5-0" | 12" | 0.84 | 36 | 48 | 9-10" | 6-0" | 19" | 0.84 | 42 |
| 48" | 6-0" | 4-0" | 14" | 1.08 | 43 | 53 | 10-4" | 5-0" | 19" | 1.03 | 48 |
| 48" | 7-0" | 5-0" | 14" | 0.96 | 40 | 58 | 11-0" | 6-0" | 20" | 0.96 | 50 |
| 60" | 10-0" | 5-0" | 16" | 1.93 | 89 | 63 | 12-7" | 6-7" | 20" | 1.83 | 66 |
| 60" | 11-0" | 6-0" | 16" | 1.68 | 82 | 68 | 13-0" | 7-0" | 20" | 1.68 | 70 |
| 72" | 13-0" | 6-0" | 18" | 2.57 | 113 | 77 | 14-0" | 6-0" | 22" | 2.34 | 84 |
| 72" | 14-0" | 6-0" | 20" | 3.77 | 121 | 77 | 15-11" | 6-0" | 22" | 3.19 | 84 |
| 84" | 16-0" | 6-0" | 20" | 4.51 | 138 | 87 | 16-0" | 6-0" | 22" | 3.94 | 96 |
| 90" | 16-0" | 5-0" | 22" | 4.51 | 138 | 87 | 15-2" | 6-0" | 24" | 4.84 | 96 |
| 90" | 18-0" | 7-0" | 24" | 6.31 | 143 | 95 | 16-0" | 6-10" | 20" | 5.12 | 102 |
| 102" | 18-0" | 6-0" | 24" | 6.31 | 143 | 95 | 17-0" | 6-0" | 24" | 6.02 | 102 |
| 102" | 20-0" | 7-0" | 26" | 6.78 | 160 | 106 | 22-7" | 7-0" | 26" | 6.60 | 108 |
| 114" | 21-0" | 7-0" | 28" | 7.81 | 167 | 116 | 24-10" | 7-10" | 30" | 7.89 | 114 |
| 120" | 21-0" | 6-0" | 30" | 8.81 | 173 | 122 | 25-0" | 7-0" | 30" | 8.81 | 120 |
| 126" | 24-0" | 8-0" | 30" | 9.67 | — | — | — | — | — | — | — |
| 132" | 24-0" | 8-0" | 30" | 10.54 | — | — | — | — | — | — | — |
| 144" | 28-0" | 8-0" | 30" | 15.00 | — | — | — | — | — | — | — |

| | | | |
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| | | | |
| REV. NO. | DATE | BY | DESCRIPTION |
| 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 |



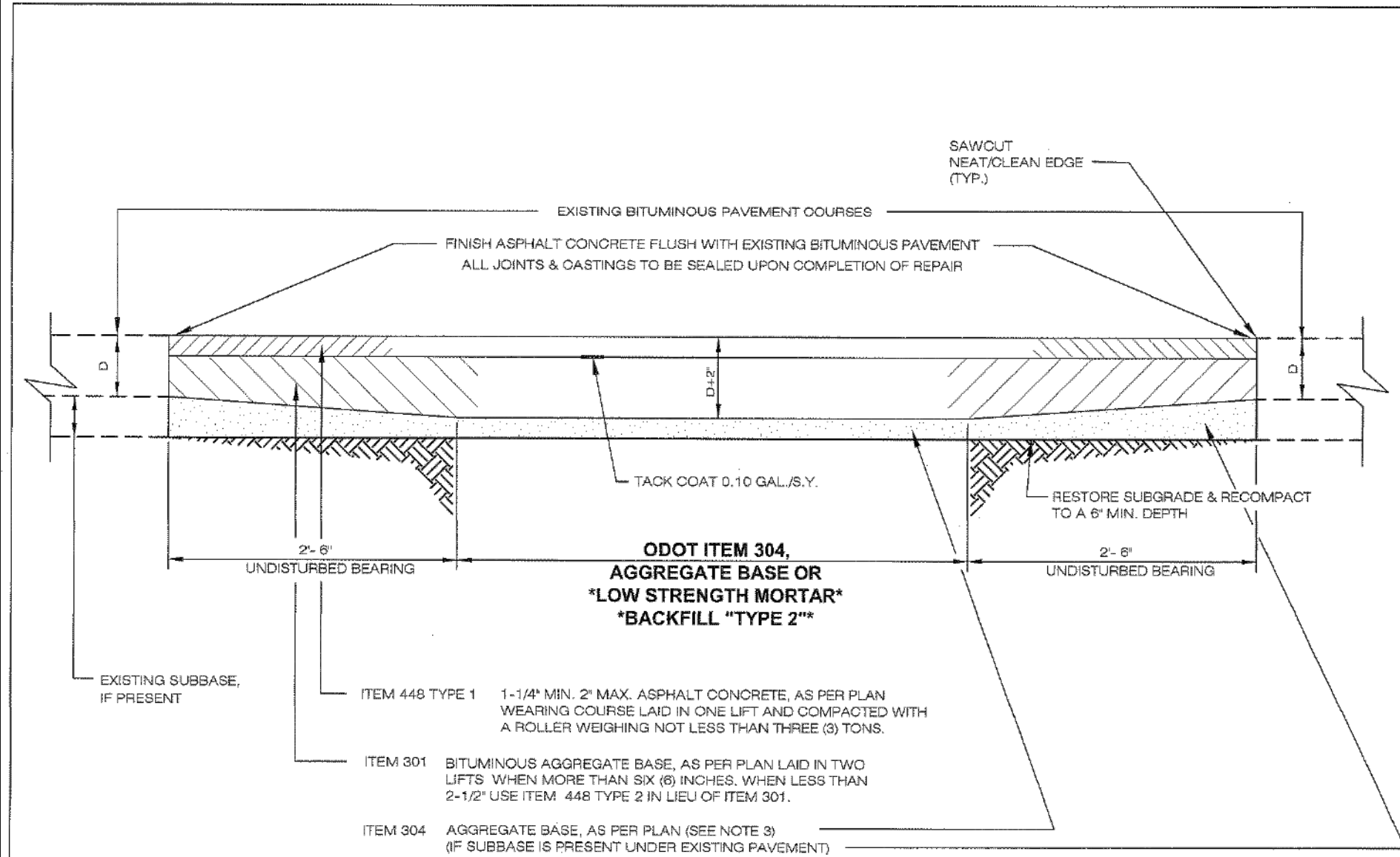
Premium backfill shall consist of course interlocking aggregate O.D.O.T #304 or Low Strength Mortar backfill, Type 2.

Pipe cover shall consist of course interlocking aggregate no. 57, #5 and #8 (lateral connections only).

Bedding shall consist of course interlocking aggregate No. 57, or 8 for 60" or smaller diameter pipe, for 66" or larger diameter pipe No. 4, #57 and #8 aggregate may also be used.

All Material substitutions must be approved by the City Engineer.

| | | | |
|--------------------------------|-------------------|----|-------------|
| REV NO. | DATE | BY | DESCRIPTION |
| | | | |
| CITY OF NORTH RIDGEVILLE, OHIO | | | |
| DEPARTMENT OF ENGINEERING | | | |
| TRENCH DETAIL | | | |
| SCALE: NOT TO SCALE | | | MIS-1 |
| DATE: 10/01/08 | DRAWN BY: JAB/TJB | | |



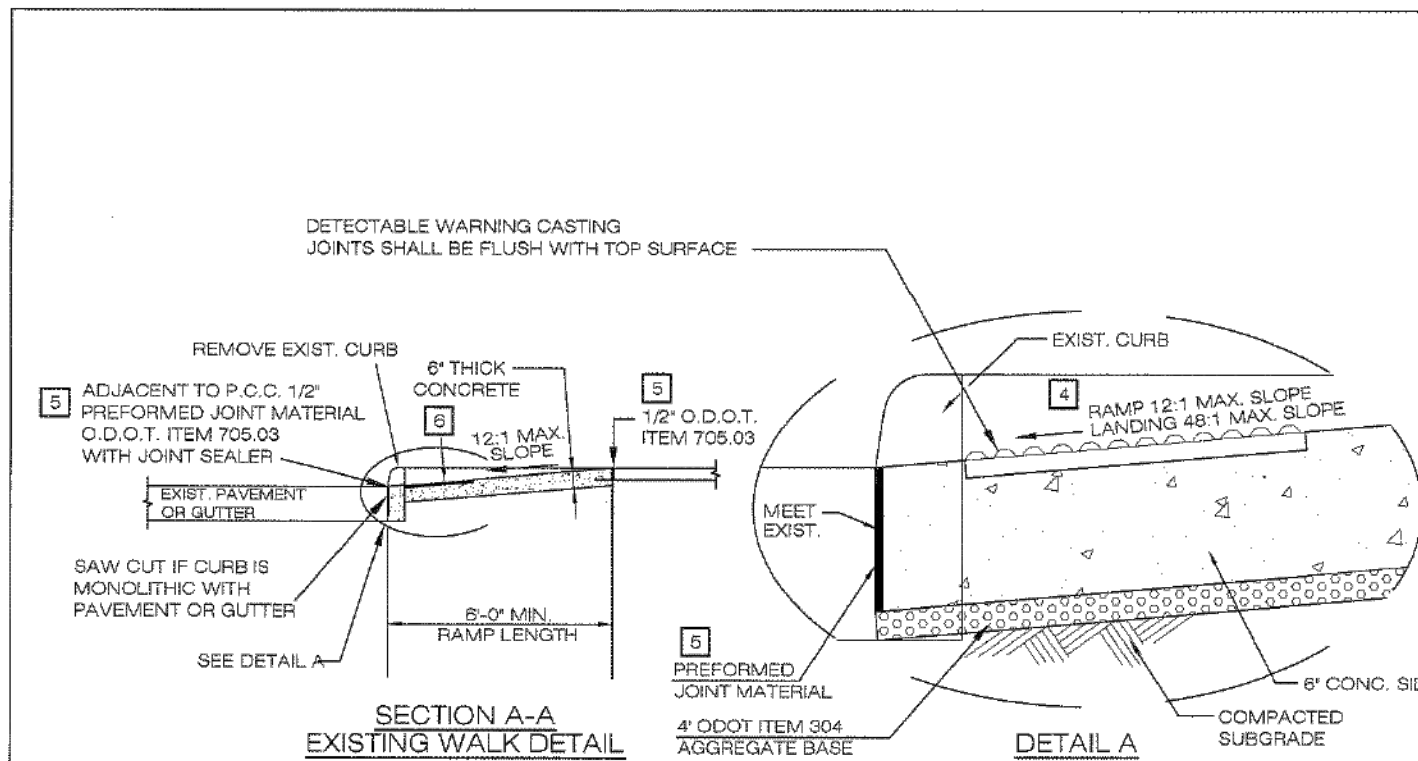
- NOTES:**
- TRENCH BACKFILL MATERIAL SHALL BE ODOT ITEM 304 AGGREGATE BASE OR LOW STRENGTH MORTAR BACKFILL MATERIAL 100 lb. TYPE 2 AS DIRECTED BY THE ENGINEER. THE SPECIFICATION FOR THIS IS AS CONTAINED IN THE O.D.O.T. CONSTRUCTION & MATERIAL SPECIFICATIONS, LATEST EDITION, ITEM 613, MODIFIED HEREIN.
 - ITEMS 301, 448 TYPE 2 AND 448 TYPE 1 SHALL BE AS SPECIFIED IN THE CURRENT EDITION OF THE ODOT C.M.S.
 - WHERE THREE (3) INCHES OR LESS OF ITEM 304, AS PER PLAN IS REPLACED, USE SCREENINGS GRADED IN ACCORDANCE WITH 703.10 EXCEPT THAT THE MINIMUM PERCENT PASSING THE No. 100 SIEVE SHALL BE FIVE (5) PERCENT.
 - TRAFFIC SHALL BE MAINTAINED IN A SAFE AND SATISFACTORY MANNER CONFORMING TO THE REQUIREMENTS OF ITEM 614- MAINTAINING TRAFFIC AND THE GENERAL PROVISIONS OF THE O.D.O.T. CONSTRUCTION AND MATERIAL SPECIFICATIONS, AND IN COMPLIANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (O.M.U.T.C.D.). FOR TRENCH OPENINGS REQUIRING PAVEMENT AND/OR BERM OPENING PERMITS, THE APPLICANT SHALL FURNISH A MAINTENANCE OF TRAFFIC AND/ OR, IF REQUIRED, A DETOUR PLAN TO THE ENGINEER'S OFFICE FOR REVIEW AND APPROVAL.
 - AGGREGATE OR PAVED SHOULDER AREAS AND NON-PAVED BERM OR TREE LAWN AREAS WITHIN THE RIGHT-OF-WAY SHALL BE RESTORED OR REPLACED IN ACCORDANCE WITH THE PLANS OR AS DIRECTED TO MINIMALLY MATCH THEIR PREVIOUSLY UNDISTURBED CONDITIONS.
 - BASE MATERIAL TO BE PLACED IN LAYERS NOT TO EXCEED 4\"/>

★ The use of Foundry Sand or slag is strictly prohibited. ★

RESTORATION:
ALL PAVEMENT RESTORATION SHALL BE COMPLETED WITHIN 48 HOURS OF THE WORK PERFORMED, OR AS DIRECTED BY THE CITY ENGINEER.

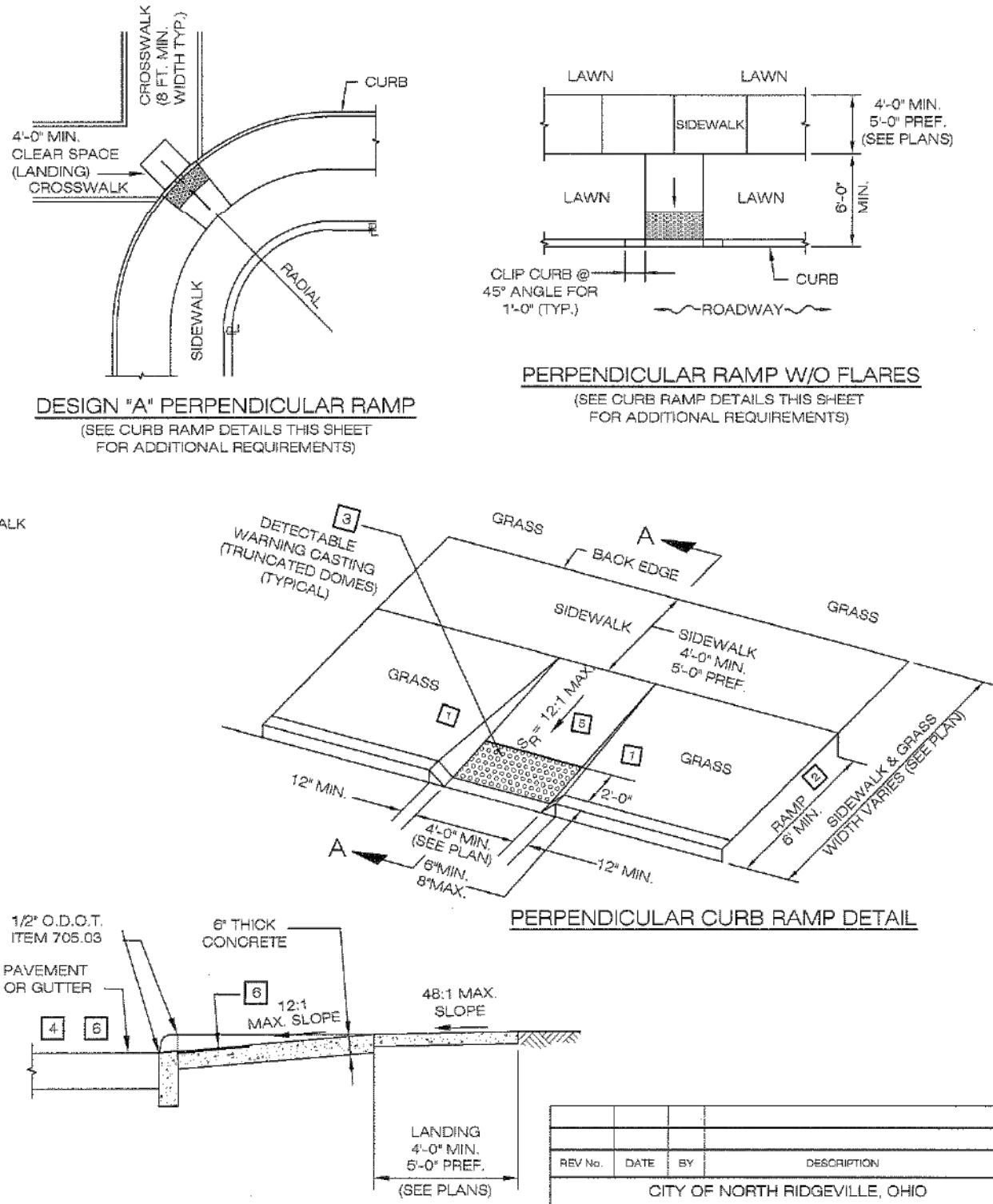
Larry Liffick
CITY OF NORTH RIDGEVILLE, ENGINEER

| REV. No. | DATE | BY | DESCRIPTION |
|---|----------------|------------------|-------------|
| | | | |
| | | | |
| CITY OF NORTH RIDGEVILLE, OHIO DEPARTMENT OF ENGINEERING | | | |
| FLEXIBLE PAVEMENT REPAIR DETAIL | | | |
| SCALE: NOT TO SCALE | DATE: 10/01/08 | DRWN BY: JAB/TEB | PAV-5 |



DETAIL NOTES

- FLARED SIDES ARE NOT REQUIRED WHERE THE EDGES OF A CURB RAMP ARE PROTECTED BY LANDSCAPING OR OTHER BARRIERS AND WHEELCHAIR OR PEDESTRIAN TRAVEL DOES NOT OCCUR ACROSS THE EDGE OF THE CURB RAMP. HOWEVER, IF FLARED SIDES ARE USED IN AREAS OF CROSS TRAVEL, THE MINIMUM SLOPE SHALL BE 10:1 WITH A LANDING AND 12:1 WITHOUT A DEFINED LANDING.
- THE SLOPE OF THE RAMP TOWARD THE CURB IS REQUIRED TO BE 12:1 (0.083) OR LESS, RELATIVE TO THE HORIZONTAL, UNLESS APPROVED IN WRITING BY THE ENGINEER.
- THE MINIMUM LENGTH OF A PERPENDICULAR RAMP IS 9' FROM THE BACK OF A 6\"/>



SECTION A-A NORMAL DETAIL

Larry Liffick
CITY OF NORTH RIDGEVILLE, ENGINEER

| REV. No. | DATE | BY | DESCRIPTION |
|---|----------------|------------------|-------------|
| | | | |
| | | | |
| CITY OF NORTH RIDGEVILLE, OHIO DEPARTMENT OF ENGINEERING | | | |
| CURB RAMP | | | |
| SCALE: NOT TO SCALE | DATE: 10/01/08 | DRWN BY: JAB/TEB | PAV-9 |

