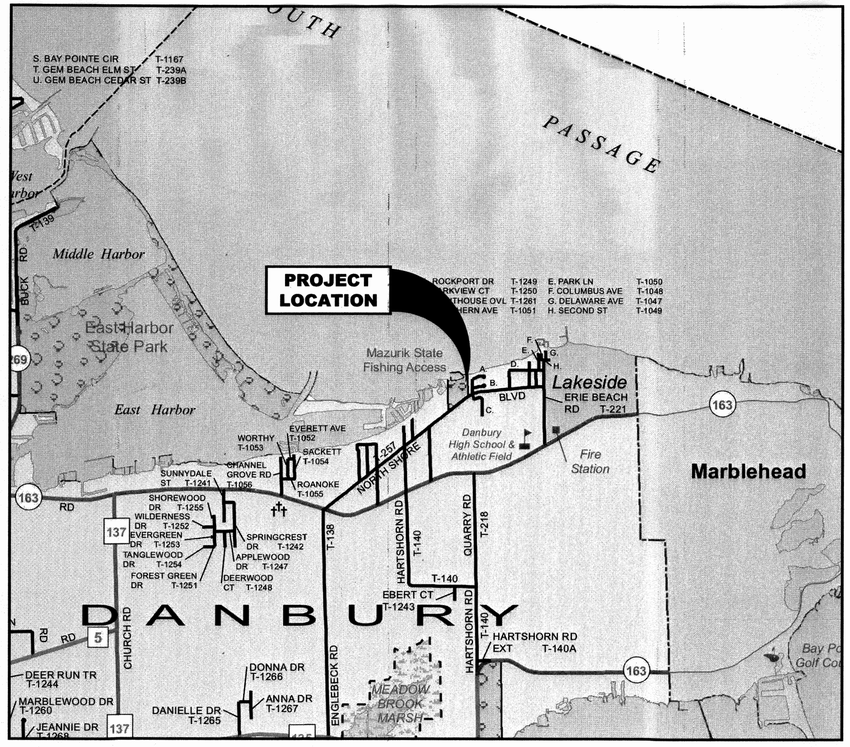
ROCKPORT SUBDIVISION DRAINAGE PETITION NO. 111, PIPE RELOCATION PROJECT LOCATED IN SECTION 1, LOT 2, DANBURY TOWNSHIP, OTTAWA COUNTY, OHIO ~2019~

PROJECT DESCRIPTION

PROJECT INCLUDES THE RELOCATION OF AN EXISTING 24" OUTLET PIPE. THIS WILL INCLUDE THE INSTALLATION OF 162 FEET OF NEW 24" RCP PIPE AS WELL AS THE REPLACEMENT OF A STORM SEWER MANHOLE. APPROXIMATELY 161 FEET OF EXISTING 24" TILE WILL BE PLUGGED, FILLED AND ABANDONED AS PART OF THE PROJECT.

STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	
DM-4.3	1-15-16	DM-4.4	1-15-16	SS800	4-19-2019



APPROVALS

WE THE COMMISSIONERS OF OTTAWA COUNTY, IN FORMAL SESSION HEREBY APPROVE THESE PLANS AND CERTIFY THAT THE NECESSARY RIGHT-OF-WAY IS AVAILABLE

Mark E Coppeler — 10/10/2019
MARK E. COPPELER, COMMISSIONER — DATE

Donald A. Douglas — Oct 10, 2019
DONALD A. DOUGLAS, COMMISSIONER — DATE

MARK W. STAHL, COMMISSIONER — DATE

I HEREBY APPROVE THESE PLANS.

10/8/19
RONALD P. LAJTI, JR., P.E., P.S. — DATE
OTTAWA COUNTY ENGINEER

STATE OF OHIO RONALD P. LAJTI, JR. 71412 REGISTERED PROFESSIONAL ENGINEER

STATE OF OHIO RONALD P. LAJTI, JR. 8504 REGISTERED PROFESSIONAL SURVEYOR

UNDERGROUND UTILITIES

CONTACT BOTH SERVICES TWO WORKING DAYS BEFORE YOU DIG

OHIO UTILITIES PROTECTION SERVICE — CALL BEFORE YOU DIG 1-800-362-2764

(NON-MEMBERS MUST BE CALLED DIRECTLY)

OIL & GAS PRODUCERS UNDERGROUND PROTECTION SERVICE 1-800-925-0988

INDEX OF SHEETS

TITLE SHEET ____ 1
PROPERTY MAP ____ 2
PROPERTY MAP INDEX ____ 3
GENERAL NOTES ____ 4
GENERAL SUMMARY ____ 5
SITE PLAN ____ 6
PLAN & PROFILES ____ 7-9

2019 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL, UNLESS STATED OTHERWISE, SHALL GOVERN THIS IMPROVEMENT.

OTTAWA COUNTY ENGINEER

OTTAWA COUNTY ENGINEER'S OFFICE - 8247 WEST SR-163 - OAK HARBOR, OHIO 43449

FEDERAL PROJECT NO. .
PID NO. .
CONSTRUCTION PROJECT NO. .
RAILROAD INVOLVEMENT NONE

ROCKPORT DRAINAGE PETITION NO. 111

1/9

S:\DITCHES\ROCKPORT SUBDIVISION\ROCKPORT SUBDIVISION - PETITION ITEMS 2019\AUTOCAD DRAWINGS\18-014_FINALPLANS.DWG Daniel Toris 10/8/2019 4:12 PM

±20.75 TOTAL ACRES

START OF PETITION
2-2B CATCH BASIN NEAR
NORTH RIGHT-OF-WAY
NORTH SHORE BLVD.

END OF PETITION
PROPOSED OUTLET

NORTH SHORE BLVD.

LEGEND:

DRAINAGE BOUNDARY

HORIZONTAL SCALE IN FEET
0 40 80 160

CALCULATED CRM
CHECKED DBT

PROPERTY MAP

ROCKPORT DRAINAGE PETITION NO. 111

2/9

S:\DITCHES\ROCKPORT SUBDIVISION\ROCKPORT SUBDIVISION - PETITION ITEMS 2019\AUTOCAD DRAWINGS\18-014_PROPERTYMAP.DWG Daniel Toris 10/8/2019 4:13 PM

ID NO.	OWNERS NAME	R	T	S	PARCEL NUMBER	PROPERTY TYPE	ACRES OWNED	ACRES BENEFITED
					DANBURY TOWNSHIP			
1	TIMOTHY & JENNIFER HEFERNAN				014-16743-30850-010	RESIDENTIAL	0.241	0.142
2	KEITH & KATHLEEN JOY				014-16743-30850-011	RESIDENTIAL	0.223	0.112
3	ROBERT & BETH HAYNER				014-16743-30850-012	RESIDENTIAL	0.224	0.112
4	RICHARD & ROSEMARY MAZUREK				014-16743-30850-013	RESIDENTIAL	0.224	0.112
5	DAVID & ANN ZIELINSKI				014-16743-30850-014	RESIDENTIAL	0.225	0.112
6	PHYLLIS & WARREN CERMAK				014-16743-30850-015	RESIDENTIAL	0.347	0.202
12	LIGHTHOUSE BLUFFS LLC				014-16743-30850-001	RESIDENTIAL	0.796	0.529
13	LIGHTHOUSE BLUFFS LLC				014-20991-34670-000	AGRICULTURAL	9.022	4.200
14	LIGHTHOUSE BLUFFS LLC				014-16743-30851-001	RESIDENTIAL	1.04	0.104
18	MARK & KATHLEEN LUCAS				014-20991-34670-036	RESIDENTIAL	0.157	0.157
19	JOHN IRVINE				014-20991-34670-035	RESIDENTIAL	0.119	0.119
20	SCOTT A & CAROL MIESLE				014-20991-34670-034	RESIDENTIAL	0.139	0.139
21	RICHARD & MARILYN MINTO				014-20991-34670-033	RESIDENTIAL	0.128	0.128
22	VIRGINIA PASTOREK				014-20991-34670-032	RESIDENTIAL	0.128	0.128
23	MARC C & VICKI MCCLAIN				014-20991-34670-031	RESIDENTIAL	0.142	0.142
24	LANNY & FAITH MOLDOVAN				014-20991-34670-030	RESIDENTIAL	0.063	0.063
25	WILLIAM BRANTSCH				014-20991-34670-029	RESIDENTIAL	0.054	0.054
26	MICHAEL & ROSEMARY DZIAK				014-20991-34670-028	RESIDENTIAL	0.05	0.050
27	ALAN STEFFEN				014-20991-34670-027	RESIDENTIAL	0.048	0.048
28	BRANDI MCBRIDE				014-20991-34670-026	RESIDENTIAL	0.049	0.049
29	JAMES WAGNITZ				014-20991-34670-025	RESIDENTIAL	0.049	0.049
30	JAMES & CYNTHIA FISH				014-20991-34670-024	RESIDENTIAL	0.049	0.049
31	LINDA SMITH				014-20991-34670-023	RESIDENTIAL	0.049	0.049
32	LAWRENCE YARCHECK				014-20991-34670-022	RESIDENTIAL	0.05	0.050
33	LAWRENCE YARCHECK				014-20991-34670-021	RESIDENTIAL	0.049	0.049
34	JOHN CRAWLEY				014-20991-34670-020	RESIDENTIAL	0.049	0.049
35	RUKMAN SUTANTO				014-20991-34670-019	RESIDENTIAL	0.049	0.049
36	ELMER & ANN BIVEN				014-20991-34670-018	RESIDENTIAL	0.057	0.057
37	PATRICIA AHRENS				014-20991-34670-017	RESIDENTIAL	0.055	0.055
39	GIBBONS CATHLEEN A				014-20991-34670-075	RESIDENTIAL	0.068	0.068
40	GRIFFIN DEBRA D				014-20991-34670-074	RESIDENTIAL	0.066	0.066
41	ARMADILLO REAL ESTATE HOLDINGS LLC				014-20991-34670-073	RESIDENTIAL	0.064	0.064
42	ARMADILLO REAL ESTATE HOLDINGS LLC				014-20991-34670-072	RESIDENTIAL	0.062	0.062
43	CLEMONS CHRISTOPHER M & DEBRA S S&T				014-20991-34670-071	RESIDENTIAL	0.059	0.059
44	WISE EMILIA				014-20991-34670-070	RESIDENTIAL	0.057	0.057
45	BURMEISTER RANDY A & JUDY A S&T				014-20991-34670-069	RESIDENTIAL	0.054	0.054
46	FLOWERS GARY S & CYNTHIA J S&T				014-20991-34670-068	RESIDENTIAL	0.054	0.054
47	VAN CLEVE MICHAEL R & CYNTHIA R S&T				014-20991-34670-067	RESIDENTIAL	0.052	0.052
48	FULKERSON KATHRYN A				014-20991-34670-066	RESIDENTIAL	0.052	0.052
49	DAVIS TAMMY L TRUSTEE				014-20991-34670-065	RESIDENTIAL	0.052	0.052
50	CAMPBELL STEVEN V & WANDA K S&T				014-20991-34670-064	RESIDENTIAL	0.052	0.052
51	ROTHENBUHLER MARVIN C TOD				014-20991-34670-063	RESIDENTIAL	0.051	0.051
52	MCCARTHY PATRICK M & WENDY E S&T				014-20991-34670-062	RESIDENTIAL	0.065	0.065
53	ZLOKAS ROBERT S & FRANCES A S&T				014-20991-34670-061	RESIDENTIAL	0.265	0.265
55	GAST CAROLYN A				014-20991-34670-059	RESIDENTIAL	0.219	0.219
56	TUTTAMORE WILLIAM M TRUSTEES				014-20991-34670-057	RESIDENTIAL	0.138	0.138
57	BOARD OF EDU OF DANBURY LOCAL SCHOOLS				014-02142-29792-000	RESIDENTIAL	19.133	0.473
58	VETOVITZ WILLIAM H & JOHANNA L S&T				014-20991-34670-054	RESIDENTIAL	0.117	0.117
59	CLEMONS DONALD J & PATRICIA A				014-20991-34670-055	RESIDENTIAL	0.118	0.118
60	LIGHTHOUSE BLUFFS LLC				014-20991-34670-050	RESIDENTIAL	0.164	0.164
62	SHROCK BRYAN A & MARIA S&T				014-20991-34670-049	RESIDENTIAL	0.067	0.067
63	MINNEMAN JOHN E & TERRIE A S&T				014-20991-34670-048	RESIDENTIAL	0.067	0.067
64	FIERCE ROLAND & SHIRLEY A CO TRUSTEES				014-20991-34670-047	RESIDENTIAL	0.067	0.067
65	BENYA JOHN M & BRIAN R				014-20991-34670-046	RESIDENTIAL	0.067	0.067
66	MURNIEKS JUNE R				014-20991-34670-045	RESIDENTIAL	0.067	0.067
67	SADLER JOHN TOD				014-20991-34670-044	RESIDENTIAL	0.071	0.071
68	ANDERSON CHARLES L & NANCY N S&T				014-20991-34670-043	RESIDENTIAL	0.067	0.067
69	STAYANCHO JENNA M				014-20991-34670-042	RESIDENTIAL	0.067	0.067
70	STAYANCHO KALI L				014-20991-34670-041	RESIDENTIAL	0.067	0.067
71	DALENBERG KAREN R				014-20991-34670-040	RESIDENTIAL	0.068	0.068
72	FERGUSON CARLA L				014-20991-34670-039	RESIDENTIAL	0.073	0.073
73	ARNTZ CHARLES L & CAROL ANN S&T				014-20991-34670-038	RESIDENTIAL	0.064	0.064
75	MIANO JOAN E TRUSTEE				014-20991-34670-016	RESIDENTIAL	0.055	0.056
76	PHILLIPS JEFFREY M & CAROL M S&T				014-20991-34670-015	RESIDENTIAL	0.058	0.058
78	SMITH RICHARD W & BETTY J S&T				014-20991-34670-014	RESIDENTIAL	0.054	0.054
79	AMONETTE WILLIAM A				014-20991-34670-013	RESIDENTIAL	0.054	0.054
80	RAHM EVANGELINA				014-20991-34670-012	RESIDENTIAL	0.053	0.053
81	WENGER NORMAN C & MYRNA K S&T				014-20991-34670-011	RESIDENTIAL	0.051	0.051
82	WALKER JEANNE MARIE TRUSTEE				014-20991-34670-010	RESIDENTIAL	0.049	0.049
83	HILL ARTHUR B & JUDITH A J&S				014-20991-34670-009	RESIDENTIAL	0.049	0.049
84	WIEDENHOFT DALE A & SUZANNE L				014-20991-34670-008	RESIDENTIAL	0.049	0.049
85	PIERCE JANENE CLAIRE TRUSTEE				014-20991-34670-007	RESIDENTIAL	0.049	0.049
86	GORMAN TIMOTHY W				014-20991-34670-006	RESIDENTIAL	0.049	0.049
87	HAWK DONALD R				014-20991-34670-005	RESIDENTIAL	0.049	0.049
88	MILLER BRIAN H				014-20991-34670-004	RESIDENTIAL	0.053	0.053
89	DANIEL KIMBERLY ANNE				014-20991-34670-003	RESIDENTIAL	0.056	0.056
90	BROWN VERNON & CHRISTINA M S&T				014-20991-34670-002	RESIDENTIAL	0.056	0.056
91	TRACE RICHARD				014-20991-34670-001	RESIDENTIAL	0.056	0.056
92	BOARD OF EDUCATION DANBURY LOCAL SCHOOLS				014-10952-14637-001	RESIDENTIAL	12.318	0.229
93	MEJ INC				014-10952-14637-000	AGRICULTURAL	12.19	2.596
94	JAKEJOSH LAND LLC				014-20991-34670-052	RESIDENTIAL	0.169	0.169
17	LIGHTHOUSE BLUFFS CLUSTER HOMES ASSOCIATION				014-20991-34670-037	RESIDENTIAL	2.24	1.381
74							2.24	0.002
77							2.24	0.839
38	LIGHTHOUSE BLUFFS CLUSTER HOMES ASSOCIATION				014-20991-34670-076	RESIDENTIAL	2.479	0.529
54							2.479	0.000
61							2.479	1.950
					DANBURY TOWNSHIP			
7	NORTHSHORE BLVD TR #257				014-19093-00001-000		0.553	0.049
8	NORTHSHORE BLVD TR #257						0.123	0.061
9	NORTHSHORE BLVD TR #257						0.036	0.036
10	NORTHSHORE BLVD TR #257						0.273	0.273
11	NORTHSHORE BLVD TR #257						0.17	0.072
15	LIGHTHOUSE OVAL TR #1261						1.856	1.856
16	LIGHTHOUSE OVAL TR #1261						1.864	1.864

CALCULATED CRM
CHECKED DBT

PROPERTY MAP INDEX

ROCKPORT DRAINAGE
PETITION NO. 111

S:\DITCHES\ROCKPORT SUBDIVISION\ROCKPORT SUBDIVISION - PETITION ITEMS 2019\AUTOCAD DRAWINGS\18-014_PROPERTYMAP.DWG Daniel Toris 10/8/2019 4:13 PM

S:\DITCHES\ROCKPORT SUBDIVISION\ROCKPORT SUBDIVISION - PETITION ITEMS 2019\AUTOCAD DRAWINGS\18-014_FINALPLANS.DWG Daniel Toris 10/8/2019 4:13 PM

UTILITY LINES:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES WITHIN THE PROJECT LIMITS. THE UTILITY(IES) SHALL BEAR ALL EXPENSE INVOLVED IN RELOCATING (INSTALLING) AFFECTED UTILITY LINES. THE CONTRACTOR AND UTILITY(IES) ARE TO COOPERATE BY ARRANGING THEIR WORK IN SUCH A MANNER THAT INCONVENIENCE TO EITHER WILL BE HELD TO A MINIMUM.

CONSTRUCTION NOISE:
ACTIVITIES AND LAND USE ADJACENT TO THE PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER-OPERATED CONSTRUCTION TYPE DEVICES BETWEEN THE HOURS OF 9 P.M. AND 6 A.M. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

ELEVATION DATUM:
ALL ELEVATIONS ARE BASED UPON NORTH AMERICAN VERTICAL DATUM OF 1988. AT THE REQUEST OF THE CONTRACTOR, THE COUNTY WILL PROVIDE SURVEY CONTROL ONSITE FOR THE BASIS OF THE REQUIRED CONSTRUCTION LAYOUT.

PROJECT MATERIALS:
ALL WORK ASSOCIATED WITH THE PROJECT SHALL BE PERFORMED IN COMPLIANCE WITH THE 2019 EDITION OF THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION & MATERIALS SPECIFICATION, DATED 1-1-2019. AS SUCH, ALL MATERIAL SUPPLIED FOR THIS PROJECT SHALL BE OBTAINED FROM AN ODOT APPROVED SOURCE OR LISTED AS AN ODOT PREQUALIFIED PRODUCT.

CONSTRUCTION INSPECTION:
THE CONTRACTOR SHALL NOT COMMENCE WORK UNTIL CONSTRUCTION INSPECTION HAS BEEN ARRANGED WITH THE OTTAWA COUNTY ENGINEER.

TEMPORARY EROSION AND SOIL CONTROL:
THE CONTRACTOR SHALL TAKE ANY AND ALL APPROPRIATE MEASURES TO LIMIT SOIL EROSION PRIOR TO EXCAVATING DURING AND AFTER CONSTRUCTION AUTHORIZED HEREIN. AS SUCH, HE/SHE SHALL BE FULLY ACCOUNTABLE TO THE EPA, SOIL CONSERVATION SERVICE, AND OTHER APPROPRIATE AGENCIES FOR ANY VIOLATION OR DISREGARD OF THE APPLICABLE GOVERNING STANDARDS AND REGULATIONS RELATED TO THE PROTECTION AND CONSERVATION OF SOILS THAT ARE AFFECTED BY THE PERMIT WORK, INCLUDING ODOT STANDARD CONSTRUCTION DRAWINGS DM-4.3 AND DM-4.4.

SEEDING AND MULCHING:
THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

659	SEEDING AND MULCHING, AS PER PLAN	722	SQ. YD.

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED/DISTURBED SOIL. QUANTITY CALCULATIONS ASSUME A DISTURBED AREA OF 40' IN WIDTH RUNNING THE LENGTH OF THE PROPOSED TILE.

REVIEW OF EXISTING FACILITIES:
ALL TRAFFIC IN AND OUT OF MAZURIK'S BOAT ACCESS SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL LIMIT THEMSELVES TO THE NORTH SIDE OF THE EASTERNMOST PARKING AREA. THE CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL DAMAGE TO BOTH PRIVATE PROPERTY AS WELL AS ODNR'S PROPERTY (MAZURIK'S BOAT ACCESS). AN ONSITE MEETING/INSPECTION WITH A REPRESENTATIVE FROM THE COUNTY ENGINEER, ODNR AND THE CONTRACTOR SHALL BE HAD PRIOR TO THE START OF WORK IN ORDER TO DOCUMENT THE EXISTING CONDITIONS IN THE CONSTRUCTION AREA. THE CONTRACTOR SHALL NOT BEGIN ANY WORK UNTIL THIS ONSITE INSPECTION HAS TAKEN PLACE.

ITEM 202 - CLEARING AND GRUBBING, AS PER PLAN:
THIS ITEM INCLUDES THE CLEARING OFF ALL VEGETATION & OBSTRUCTIONS AS NECESSARY TO COMPLETE THE PROJECT. THIS WILL INCLUDE THE REMOVAL OF PINE TREES ALONG THE EXISTING FENCE LINE. TREE REMOVALS SHALL BE KEPT TO A MINIMUM AS INDIVIDUAL TREES HAVE NOT BEEN MARKED FOR REMOVAL. THIS INCLUDES THE TEMPORARY REMOVAL AND RESETTING OF AN EXISTING CHAIN LINK FENCE AS WELL AS REMOVAL AND REPLACING OF EXISTING DUMP ROCK (SEE ADJACENT ROCK CHANNEL PROTECTION NOTE)

ITEM 202 - MANHOLE REMOVED, AS PER PLAN:
THE CONTRACTOR SHALL REMOVE THE EXISTING DRAINAGE STRUCTURE IN A MANNER TO MINIMIZE DAMAGES TO THE PROPERTY AS WELL AS THE EXISTING STORM TILE ENTERING THE STRUCTURE.

ITEM 202 - SPECIAL - FILL AND PLUG EXISTING CONDUIT, 24" HDPE:
THIS ITEM SHALL CONSIST OF THE CONSTRUCTION OF BULKHEADS IN AN EXISTING 24" DIAMETER CONDUIT AND FILLING THE AREA THUS SEALED OFF WITH LOW STRENGTH MORTAR BACKFILL.

BULKHEADS SHALL BE LOCATED AT THE LIMITS OF THE AREA TO BE FILLED AS INDICATED ON THE PLANS. THE BULKHEADS SHALL CONSIST OF BRICK OR CONCRETE MASONRY WITH A MINIMUM THICKNESS OF 12 INCHES.

THE FILL MATERIAL SHALL BE PUMPED INTO PLACE, OR PLACED BY OTHER MEANS APPROVED BY THE ENGINEER, SO THAT, AFTER SETTLEMENT, AT LEAST 90 PERCENT OF THE CROSS-SECTIONAL AREA OF THE CONDUIT, FOR ITS ENTIRE LENGTH, SHALL BE FILLED. THIS WORK SHALL BE DONE IN A METHOD SATISFACTORY TO THE ENGINEER. THE LENGTH OF FILLED AND PLUGGED CONDUIT TO BE PAID FOR SHALL BE THE ACTUAL NUMBER OF FEET (MEASURED ALONG THE CENTERLINE OF THE CONDUIT FROM OUTER FACE TO OUTER FACE OF BULKHEADS) FILLED AND PLUGGED AS DESCRIBED ABOVE.

ITEM 202 - PAVEMENT REMOVED, ASPHALT, AS PER PLAN:
THIS ITEM SHALL INCLUDE THE COST FOR FULL-DEPTH SAW CUTTING, AND ALL ADDITIONAL EQUIPMENT, MATERIAL AND LABOR TO PERFORM THE WORK. THE EXISTING PAVEMENT SHALL BE SAW CUT TO CREATE A CLEAN EDGE. IF THE EDGE IS DAMAGED THROUGHOUT CONSTRUCTION NEW SAW CUTS MAY BE REQUIRED PRIOR TO FINAL PAVING.

ITEM 601 - ROCK CHANNEL PROTECTION, MISC. : REMOVE AND RESET EXISTING ROCK CHANNEL PROTECTION:
THE CONTRACTOR SHALL REMOVE AND RESET EXISTING ROCK CHANNEL PROTECTION AS NECESSARY TO INSTALL AND BACKFILL PROPOSED TILE. NOTE ROCK IS LOCATED AT THE OUTLET INTO THE BOAT BASIN AS WELL AS AROUND THE PROPOSED MANHOLE LOCATION. ALL COST FOR THE HANDLING OF THIS ROCK SHALL BE INCLUDED IN THE CLEARING AND GRUBBING LINE ITEM.

ITEM 607 - FENCE REMOVED AND RE-BUILT, AS PER PLAN:
THE CONTRACTOR SHALL REMOVE AND RESET ODNR'S CHAIN LINK FENCE AS NECESSARY TO COMPLETE THE WORK. THIS SHALL BE DONE IN A MANNER ACCEPTABLE TO THE COUNTY ENGINEER AND/OR HIS REPRESENTATIVES. ANY DAMAGED PARTS SHALL BE REPLACED AS NECESSARY TO RESTORE THE FENCE. THE COST OF NEW/REPLACEMENT FENCE MATERIAL SHALL BE INCLUDED IN THE UNIT COST FOR THIS ITEM. FENCE REMOVALS SHALL BE KEPT TO A MINIMUM.

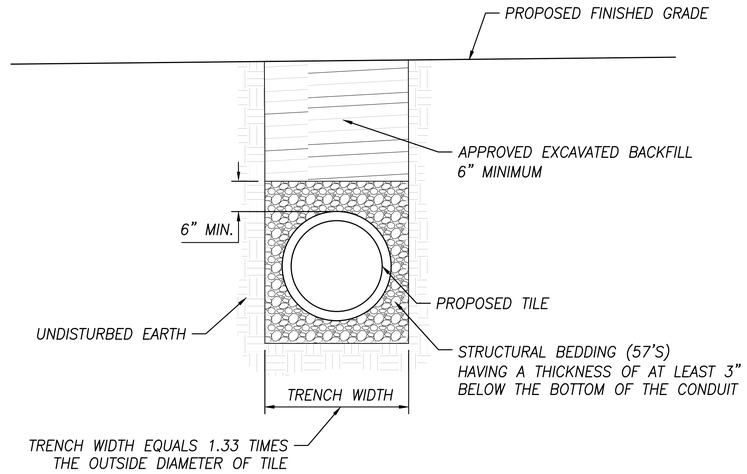
ITEM 611 - PIPE CULVERTS, DRAINS, AND DRAINAGE STRUCTURES:
ALL WORK PERFORMED FOR ITEMS LISTED UNDER ITEM 611 SHALL BE PERFORMED IN FULL COMPLIANCE WITH THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION & MATERIALS SPECIFICATIONS, DATED 1-1-2019 WITH THE FOLLOWING EXCEPTIONS:

A. NO INSTALLATION PLAN IS REQUIRED.
B. ALL REQUIRED INSPECTIONS AND DOCUMENTATION THEREOF WILL BE PERFORMED BY THE ENGINEER.
C. NO PERFORMANCE REPORT IS REQUIRED.

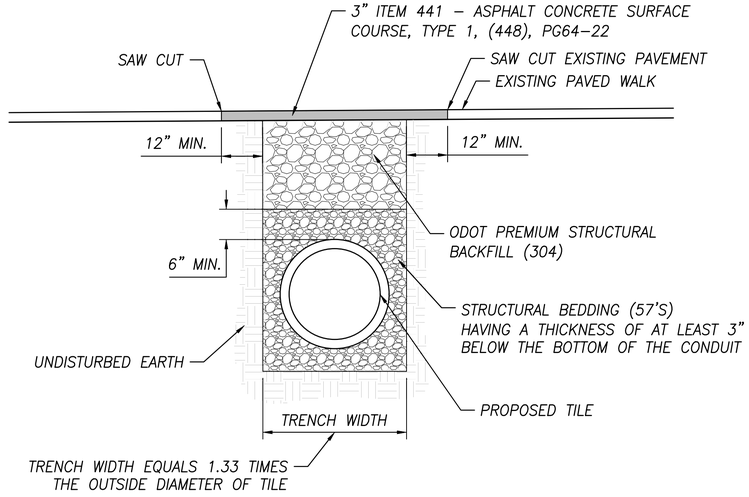
ITEM 611 - MANHOLE NO. 3, AS PER PLAN:
THIS ITEM INCLUDES A 48" DIAMETER STORM MANHOLE AND SHALL HAVE A FRAME (EAST JORDAN 3717) AND SOLID TOP (EAST JORDAN 3700 SERIES). EQUAL ALTERNATIVES WILL BE CONSIDERED. THE FRAME SHALL BE A MINIMUM OF 6" IN HEIGHT TO ALLOW FOR ADEQUATE "BURIAL" OF MANHOLE WITHIN THE EXISTING LANDSCAPING. THE FRAME SHALL BE ADEQUATELY FASTENED (BOLTED) DOWN TO THE MANHOLE. THIS SHALL BE DONE IN A MANNER ACCEPTABLE TO THE ENGINEER.

ASPHALT CONCRETE PAVEMENT
THIS ITEM INCLUDES ALL WORK NECESSARY TO PAVE THE REMOVED SECTION OF THE ASPHALT CONCRETE WALKING PATH. THIS SHALL BE PAVED WITH 3" ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22. PIPE SHALL BE BACKFILLED WITH STONE UP TO THE ASPHALT SURFACE IN THIS LOCATION. PAVEMENT JOINTS SHALL BE SEALED WITH APPROVED MATERIAL AFTER PATCHING WALKING PATH PAVEMENT. OTTAWA COUNTY SUPPLEMENTAL SPECIFICATIONS FOR ASPHALT CONCRETE PAVEMENT SHALL GOVERN THIS PROJECT.

PIPE INSTALLATION DETAILS:



TRENCH DETAIL FOR RCP (TYPE C)



TRENCH DETAIL FOR RCP (TYPE B)

CALCULATED CRM CHECKED DBT

GENERAL NOTES

ROCKPORT DRAINAGE
PETITION NO. 111

SHEET NUMBER														ITEM	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
										5	6	7	OFFICE CALCS					
																	ROADWAY	
														201	LUMP	SUM	CLEARING AND GRUBBING, AS PER PLAN	2
												161		202	161	FT	SPECIAL – FILL AND PLUG EXISTING CONDUIT, 24" HDPE	2
												1		202	1	EACH	MANHOLE REMOVED, AS PER PLAN	2
													7	202	7	SQ YD	PAVEMENT REMOVED, ASPHALT, AS PER PLAN	2
														601	LUMP	SUM	ROCK CHANNEL PROTECTION, MISC: REMOVE AND RESET EXISTING ROCK CHANNEL PROTECTION	2
													150	607	150	FT	FENCE REMOVED AND RE–BUILT, AS PER PLAN	2
																	EROSION CONTOL	
													722	659	722	SQ YD	SEEDING AND MULCHING, AS PER PLAN	2
													1000	832	1000	EACH	EROSION CONTROL, AS PER PLAN	2
																	DRAINAGE	
												6		611	6	FT	24" CONDUIT, TYPE B, 706.02	
												156		611	156	FT	24" CONDUIT, TYPE C, 706.02	
												1		611	1	EACH	MANHOLE NO. 3, AS PER PLAN	2
																	PAVEMENT	
													1	441	1	TON	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64–22	2
																	INCIDENTALS	
														103.05	LUMP	SUM	PREMIUM FOR CONTRACT PERFORMANCE BOND AND FOR PAYMENT BOND	
														614	LUMP	SUM	MAINTAINING TRAFFIC	
														623	LUMP	SUM	CONSTRUCTION LAYOUT STAKES AND SURVEYING	
														624	LUMP	SUM	MOBILIZATION	

CALCULATED CRM
CHECKED DBT

GENERAL SUMMARY

ROCKPORT DRAINAGE PETITION NO. 111

5
9

S:\DITCHES\ROCKPORT SUBDIVISION\ROCKPORT SUBDIVISION – PETITION ITEMS 2019\AUTOCAD DRAWINGS\18-014_FINALPLANS.DWG Daniel Toris 10/8/2019 4:13 PM

LAKE ERIE

8+49

8+00

DEMETRIOS PROKOS
485 N ROCKPORT DRIVE
LOT 8 ROCKPORT SUBD.

EL. 574.17

EX. 40 LF ~ 15" HDPE

EL. 574.87

EX. 161 LF ~ 24" HDPE
TO BE FILLED & PLUGGED

EX. ASPHALT PAVEMENT

EX. SWALE

8+50

EX. CONCRETE PAVEMENT

BOAT BASIN

EX. ROCK CHANNEL PROTECTION

EL. 574.40

8+00

PROP. 78 LF ~ 24" RCP,
TYPE C

SAW CUTS

7+50

7+00

EL. 575.36

EX. 30 LF ~ 15" HDPE

PROP. 6 LF ~ 24" RCP, TYPE B

EX. 18" SAN. SEWER

EX. SWALE

20' SAN. SEWER
EASEMENT

STATE OF OHIIO DEPARTMENT
OF NATURAL RESOURCES

PROP. 78 LF ~ 24" RCP, TYPE C

6+18

EX. 36" ø CB
TO BE REMOVED
AND DISPOSED,
SEE PLAN NOTE

EX. ROCK CHANNEL PROTECTION

PROP. 48" ø
MANHOLE

EXISTING
ASPHALT
PAVEMENT

EX. CHAIN LINK FENCE, PORTIONS
TO BE REMOVED AND REPLACED
AS NECESSARY, 150 FT INCLUDED
FOR ESTIMATING PURPOSES

6+00

EX. 205 LF ~ 18" HDPE
TO BE TIED INTO PROP.
48" STORM MANHOLE

CONCRETE DRIVE

CONCRETE DRIVE

EX. R/W

EX. R/W

EX. R/W

PLAN NOTE:
THE CONTRACTOR SHALL REMOVE AND RESET THE DRAINAGE STRUCTURES IN A MANNER TO MINIMIZE THE DAMAGES TO THE PROPERTY AS WELL AS THE EXISTING STORM TILE ENTERING THE STRUCTURE.

WORK TO BE DONE AND MOBILIZED FROM ODNR'S PROPERTY (MAZURIKS) TO MINIMIZE DAMAGE TO LOT OWNERS PROPERTY
SEE NOTES ON SHEET 4

0 7.5 15 30
HORIZONTAL SCALE IN FEET

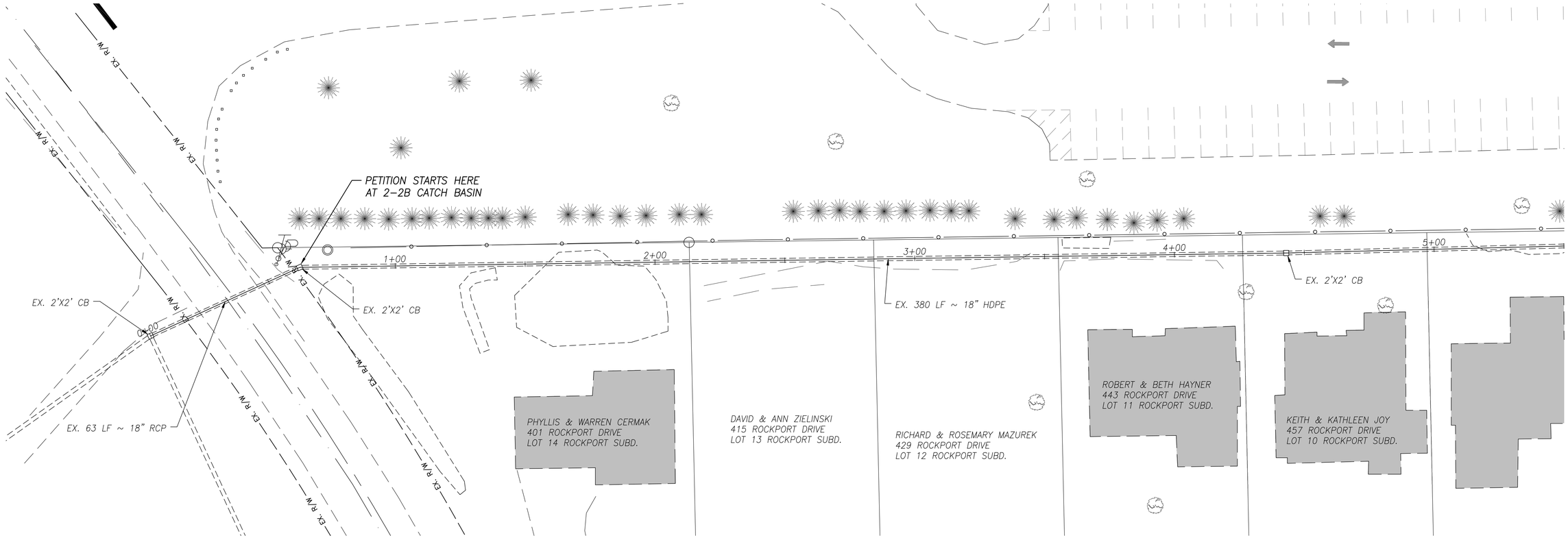
CALCULATED CRM
CHECKED DBT

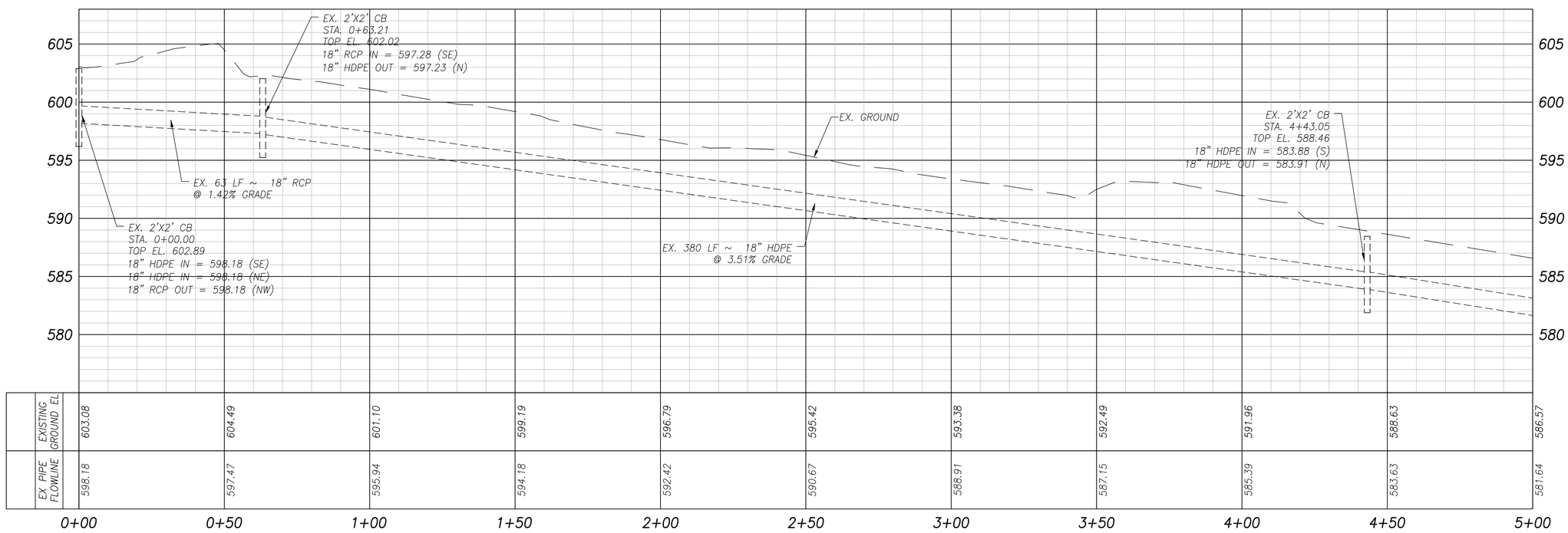
SITE PLAN

ROCKPORT DRAINAGE PETITION NO. 111

6
9

S:\DITCHES\ROCKPORT SUBDIVISION\ROCKPORT SUBDIVISION - PETITION ITEMS 2019\AUTOCAD DRAWINGS\18-014_FINALPLANS.DWG Daniel Toris 10/8/2019 4:13 PM





	0+00	0+50	1+00	1+50	2+00	2+50	3+00	3+50	4+00	4+50	5+00
EXISTING GROUND EL	603.08	604.49	601.10	599.19	596.79	595.42	593.38	592.49	591.96	588.63	586.57
EX PIPE FLOWLINE	598.18	597.47	595.94	594.18	592.42	590.67	588.91	587.15	585.39	583.63	581.64

EXISTING PLAN AND PROFILE STA. 0+00 TO 5+00

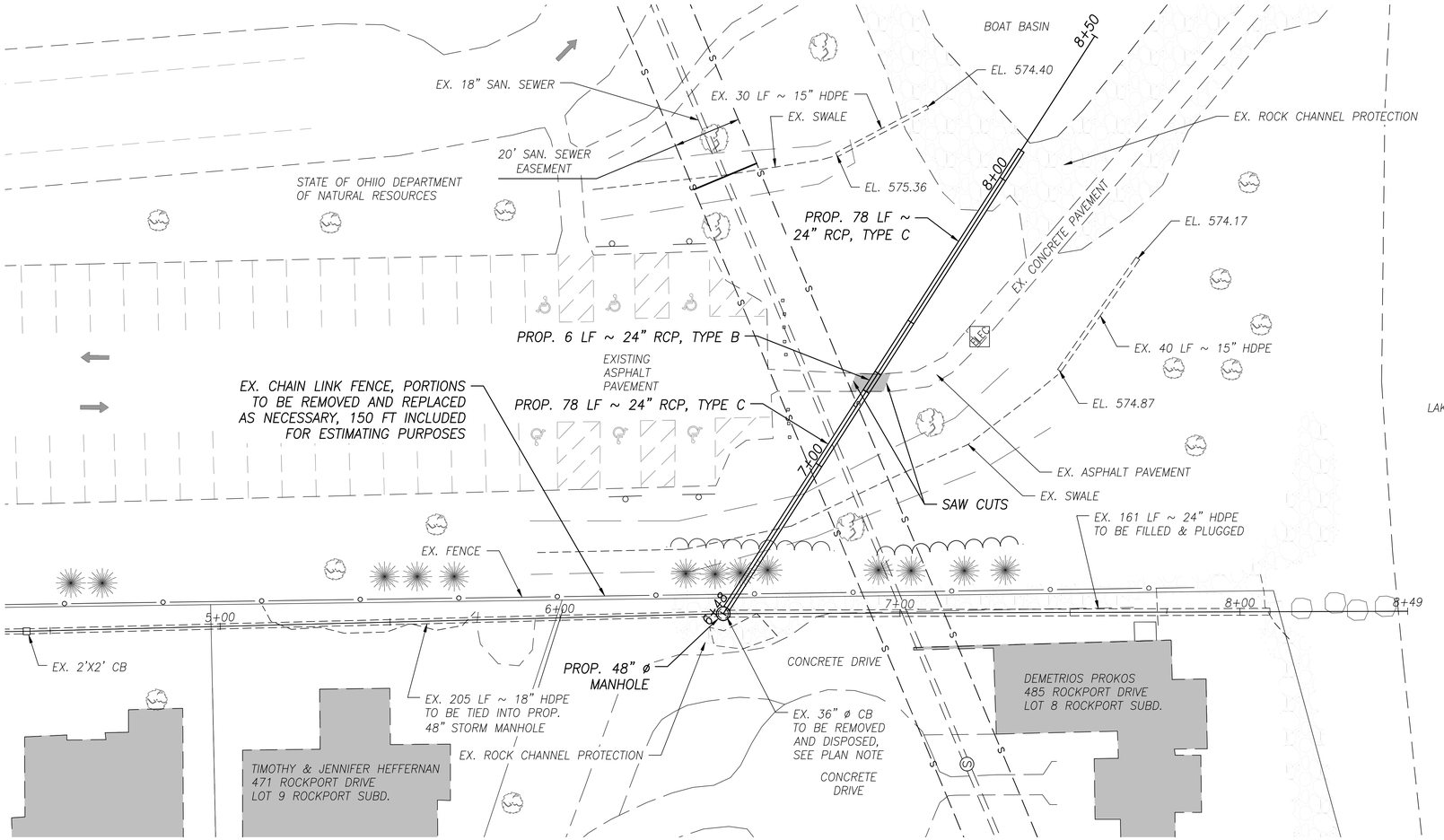
ROCKPORT DRAINAGE PETITION NO. 111

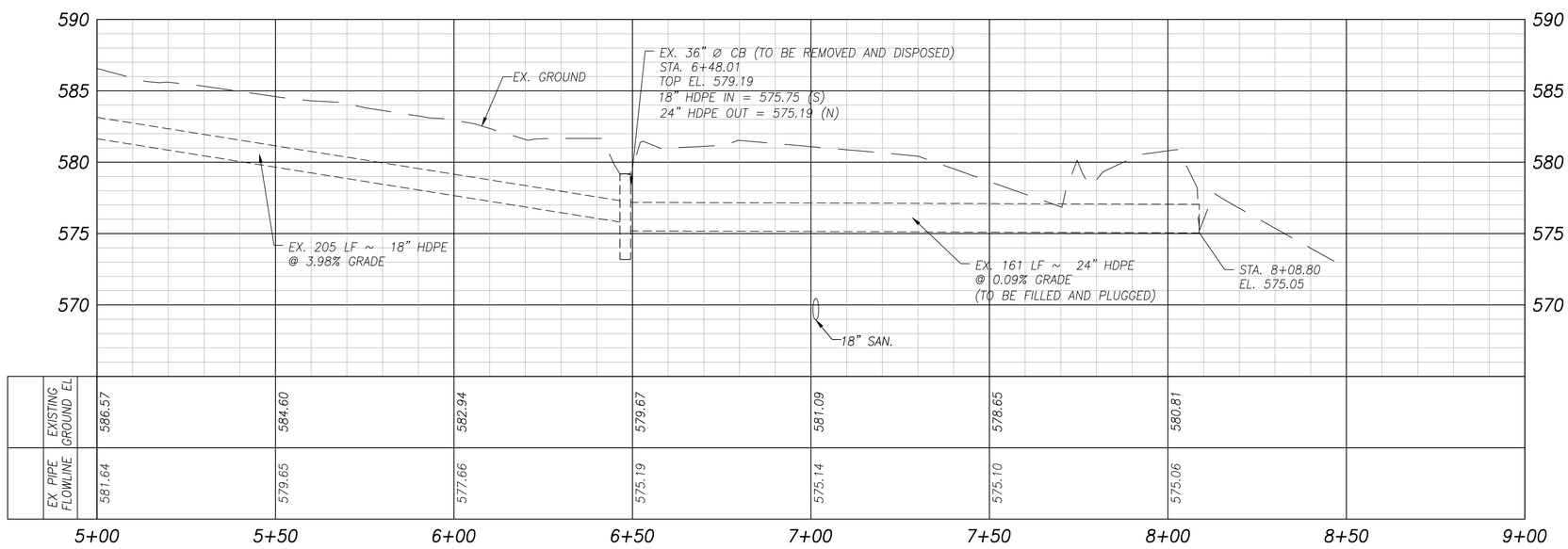
CALCULATED CRM
CHECKED DBT

HORIZONTAL SCALE IN FEET
0 10 20 40

7
9

S:\DITCHES\ROCKPORT SUBDIVISION\ROCKPORT SUBDIVISION - PETITION ITEMS 2019\AUTOCAD DRAWINGS\18-014_FINALPLANS.DWG Daniel Toris 10/8/2019 4:13 PM





N

0 10 20 40 HORIZONTAL SCALE IN FEET

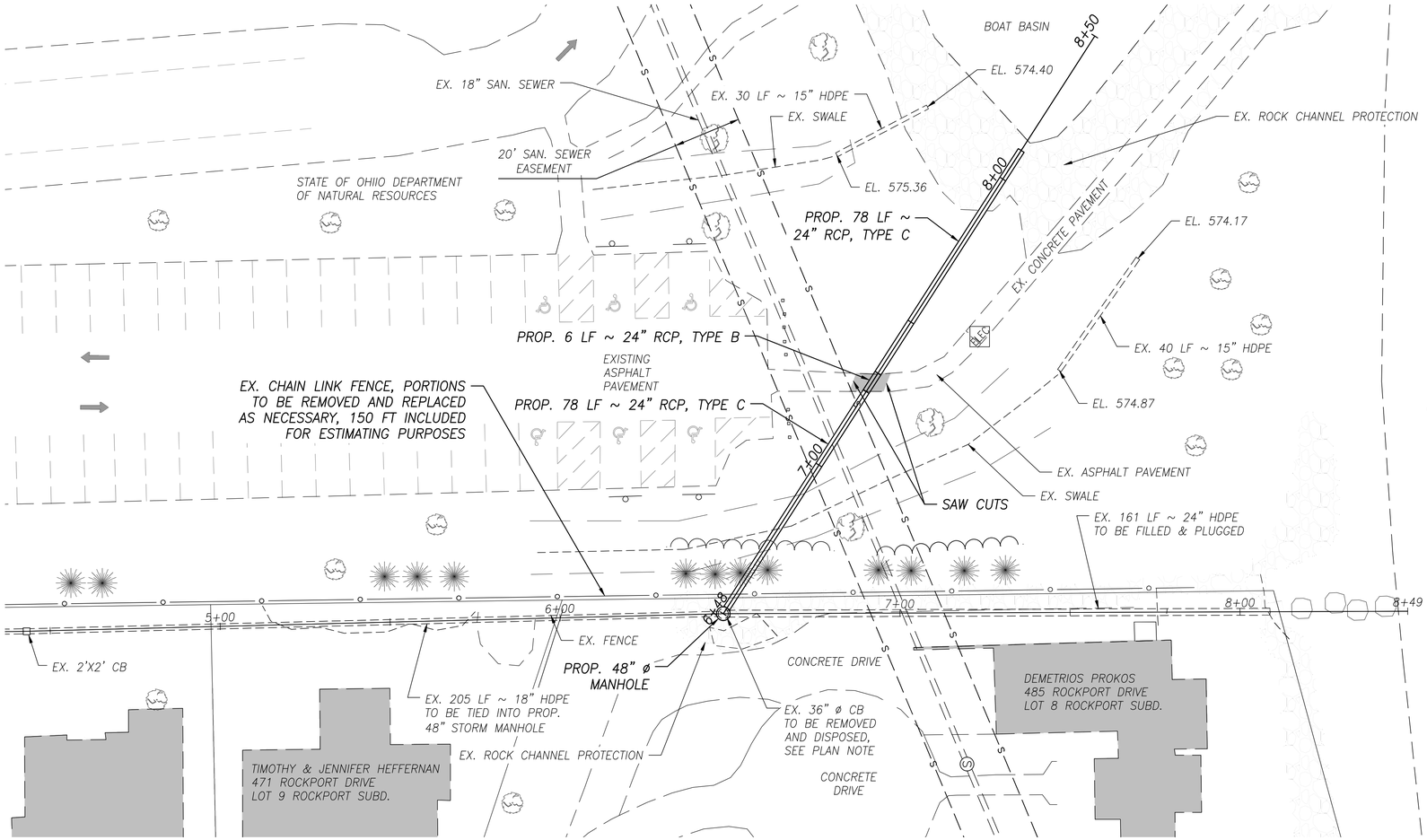
CALCULATED CRM CHECKED DBT

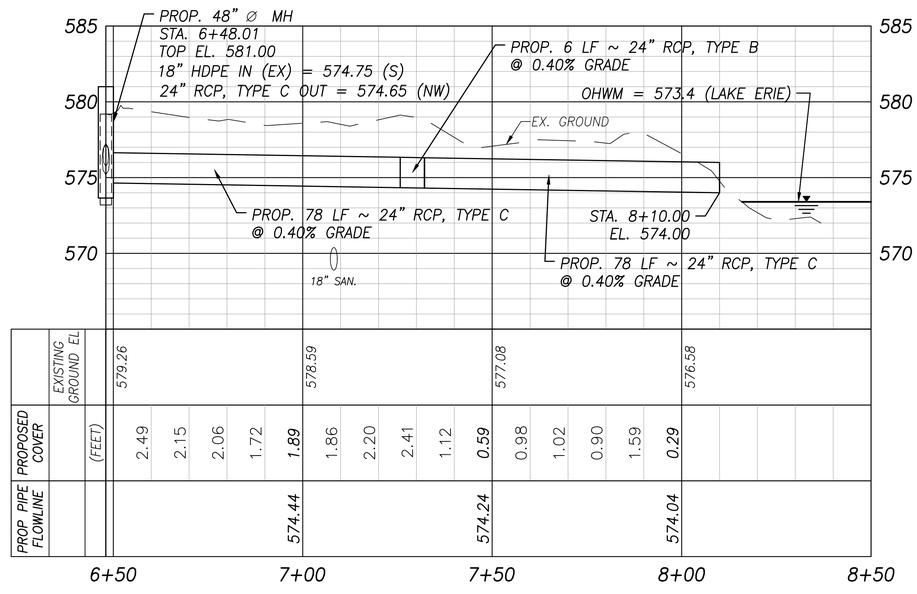
EXISTING PLAN AND PROFILE STA. 5+00 TO 9+00

ROCKPORT DRAINAGE PETITION NO. 111

8/9

S:\DITCHES\ROCKPORT SUBDIVISION\ROCKPORT SUBDIVISION - PETITION ITEMS 2019\AUTOCAD DRAWINGS\18-014_FINALPLANS.DWG Daniel Toris 10/8/2019 4:13 PM





S:\DITCHES\ROCKPORT SUBDIVISION\ROCKPORT SUBDIVISION - PETITION ITEMS 2019\AUTOCAD DRAWINGS\18-014_FINALPLANS.DWG Daniel Toris 10/8/2019 4:13 PM

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED CRM
CHECKED DBT

PROPOSED PLAN AND PROFILE
STA. 6+48 TO 8+50

ROCKPORT DRAINAGE
PETITION NO. 111

9/9