

Ross Township Board of Commissioners
Combined Committee/Business Meeting
1000 Ross Municipal Drive
Pittsburgh, PA 15237
January 20, 2020
7:00 p.m.

COMMISSIONERS PRESENT: Stephen Korbel, Jeremy Shaffer,
Jason Pirring, Jack Betkowski, Sarah Poweska, Daniel L. DeMarco,
Joseph Laslavic and William McKellar

ABSENT: Patrick Mullin

SOLICITOR: P. J. Murray, Esq.

TOWNSHIP MANAGER: Ronald Borczyk

RECORDING SECRETARY: Noreen A. Re

**DIRECTOR OF COMMUNITY DEVELOPMENT AND BOARD
LIAISON:** Dominic J. Rickert

Pledge of Allegiance/Invocation

PUBLIC COMMENT ON AGENDA ITEMS ONLY - None

PRESIDENT'S REPORT:

Due to the motion made at the reorganization meeting to advertise for a laundry list of professional services, Commissioner Korbel appointed an ad hoc Professional Services Committee to work with the manager and review responses to the RFP and make recommendations to the Board. The committee will consist of Commissioners Mullin, Poweska and Korbel.

Commissioner Korbel announced that prior to the meeting there was an Executive Session to discuss collective bargaining and personnel issues. There will also be an Executive Session following

the meeting to discuss personnel, litigation and to receive legal advice from the solicitor.

TAX COLLECTOR REPORT:

Mr. Mager was not present to give a report.

INTERVIEWS FOR BOARD AND COMMISSION OPENINGS:

ZONING HEARING BOARD

1 Vacancy & 1 Alternate – 5-Year Term

Tara Howey, Esq., current member of the Zoning Hearing Board expressed her desire to remain on the Board. Commissioner Purring thanked Ms. Howey for her assistance when he was on the Zoning Hearing Board. Commissioner Laslavic also thanked Ms. Howey for helping him with “Zoning 101.”

CIVIL SERVICE COMMISSION

1 Vacancy & 1 Alternate – 6-Year Term

William McKellar, current commissioner, expressed his desire to remain on the Civil Service Commission. Commissioner Korbel stated he is permitted to remain under the First Class Township Code, although there would need to be a minor change in the internal rules in order to allow that to happen.

Commissioner Shaffer inquired as to what happens if no one applies to be the alternate. Commissioner Korbel stated the opening will be readvertised.

EQUAL OPPORTUNITY BOARD

1 Vacancy – 5-Year Term

Ms. Sandra Miller outlined her experience and desire to be on the Equal Opportunity Board.

ENVIRONMENTAL ADVISORY COUNSEL

7 Vacancies – (3) 1-Year Term, (1) 2-Year Term

3-Year Term, (1) 4-Year Term and (1) 5-Year Term

Ms. Kim Stelmach outlined her experience and desire to be on the Environmental Advisory Council. In response to Commissioner Korb, she stated she does believe in climate change.

Mr. Bradley August outlined his experience in the oil and gas industry and his desire to be on the Environmental Advisory Council. He also believes in climate change.

Ms. Susan Hockenberry outlined her experience and desire to be on the Environmental Advisory Council. She also believes in climate change.

Mr. Barry Rush outlined his experience and desire to be on the Environmental Advisory Council. He also believes in climate change.

Ms. Caitlin Klotz outlined her experience and desire to be on the Environmental Advisory Council. She has her degree in Environmental Resource Engineering. She also believes in climate change.

Ms. Kristen Schawlder outlined her experience and desire to be on the Environmental Advisory Council. She is an environmental consultant. She also believes in climate change.

PLANNING COMMISSION

2 Vacancies – 4-Year Term

(MULTIPLE BOARD APPLICANT – Planning Commission and Environmental Advisory Council)

Ms. Jennifer Deemer outlined her experience and desire to continue on the Planning Commission, as well as be on the Environmental Advisory Council. She has a master's in landscape architecture. She also believes in climate change.

CONSENT AGENDA:

Approval of Minutes – December 2, 2019, and January 6, 2020

Bill List – January 20, 2020

**Motion to approve the Consent Agenda made by
Commissioner Laslavic and seconded by Commissioner
DeMarco.**

Motion passes – 8 to 0

ADMINISTRATION, OPERATIONS AND POLICY:

Chair: Joe Laslavic; Members – Dan DeMarco and Pat Mullin

Township Manager Report:

Mr. Borczyk stated he is continuing with his orientation to the township. They are scheduling training for a CP Connect system, which is a centralizing hub to manage all citizen communications, and iCompass, which is a system that will allow the meetings to be managed in a paperless fashion. Mr. Borczyk also stated he has been able to secure all department heads' goals in preparation of the strategic planning meeting.

Upon inquiry by Commissioner Purring as to when the meetings will go paperless, Ms. Malsch indicated by the end of February, beginning of March.

**Resolution – Vacant Property Program for Lincoln Avenue
Extension, 611-N-300**

**Motion to adopt Resolution No. 2343 authorizing the
acquisition and subsequent disposition of Parcel 611-N-300,
which would be in accord with the Comprehensive Plan of Ross
Township, made by Commissioner Laslavic and seconded by
Commissioner DeMarco.**

Motion passes – 8 to 0

**Resolution – Vacant Property Program for Gallagher Avenue,
161-S-336**

Motion to adopt Resolution No. 2344 authorizing the acquisition and subsequent disposition of Parcel 161-S-336, which would be in accord with the Comprehensive Plan of Ross Township, made by Commissioner Laslavic and seconded by Commissioner DeMarco.

Motion passes – 8 to 0

Administrative Training Request – Katie Malsch and Jessica Crawshaw are requesting approval to attend the 2020 Civic Summit from May 3-6, 2020, in Buffalo, NY, at a cost not to exceed \$2,514.00 .

Motion to authorize Katie Malsch and Jessica to attend the 2020 Civic Summit from May 3-6, 2020, in Buffalo, NY, at a cost not to exceed \$2,514.00 made by Commissioner Laslavic and seconded by Commissioner DeMarco.

Motion passes – 8 to 0

Administrative Training Request – PELRAS

Motion to authorize Dan DeMarco, Joe Ley and Ronald Borczyk to attend the 2020 PELRAS Conference from March 18-20, 2020, in State College, PA, at a cost not to exceed \$3,500.00 made by Commissioner Laslavic and seconded by Commissioner Piring.

Motion passes – 8 to 0

Executive Training Request – ALOM

Motion to authorize Commissioner Laslavic, Commissioner Betkowski, Commissioner Piring, Commissioner Poweska, Commissioner DeMarco and Manager Borczyk to attend the 2020 ALOM Conference from April 2-5, 2020, at Seven Springs, PA, at

a cost not to exceed \$6,500.00 made by Commissioner Laslavic and seconded by Commissioner Pirring.

Motion passes – 8 to 0

Motion to appoint ms consultants as the Sewickley Oakmont MTF consultant, as approved by Gateway Engineers, made by Commissioner Laslavic and seconded by Commissioner DeMarco.

**Motion passes – 7 to 0 with 1 abstention
Commissioner Shaffer abstaining**

New Business - None

FINANCE, BUDGET AND PENSION:

Chair: Sarah Poweska ; Members – William McKellar and Jack Betkowski

Finance Director Report

Mr. Berty passed out signature cards for Commissioners DeMarco, McKellar and Korbelt. Due to the lack of interest in the ClearGov financial tracking system, Mr. Berty suggested not paying the renewal fee of \$5,500. No one expressed opposition.

Mr. Berty went through the December financial statement. Real estate collections ended at 100.3 percent of the budget. Earned Income Tax finished at 113 percent of the budget. Business Privilege, Mercantile, Real Estate Transfer Tax and RAD money all finished above the annual budget. Interest Income finished at 233 percent of the budget. The Fund balance was \$600,000. The number will still change due to the fact department heads can still book purchases made in 2019 back to 2019. The actual number will not be known until later in 2020.

On the expenditures side, the executive expenditures finished at 129 percent of budgeted, due to adding the communication manager and the interim manager. Legal services went up due to the

utilization of special labor counsel and finished at 132 percent of the budget. Engineering finished at 148 percent of the budget.

Public Works was slightly over at 102 percent. Vehicle repairs finished at 111 percent. Road maintenance, snow removal, traffic controls, street lighting and storm sewers were under the budget at 91.3 percent. Due to software not being purchased and third-party fees coming in less than was expected, Community Development finished at 83 percent.

The Police Department came in at 96 percent. Recreation was at 92 percent. Due to paying the North Hills COG in 2019 for 2020 fees, the Intergovernmental expenditures came in at 177 percent of the budget.

The Sanitary Sewer Fund, due to lower connection fees, finished at 81 percent. No Fund balance was used. It was only \$2,000 of revenues over expenditures.

Regarding the Capital Fund, the Road Program went over budget to \$2.5 million. It was budgeted at \$2 million.

There was a balance in the Liquid Fuels money that will be carried forward into 2020.

Commissioner Shaffer inquired if the 40 percent increase in the sewer rate by Girty's Run would affect the 2020 budget related to the Sewer Fund. Mr. Berty responded that it will affect the Sewer budget. The Sewer Fund is finishing 2019 with \$4.8 million in the bank. Commissioner Shaffer questioned the need for Girty's Run. Commissioner Korbelt commented any changes would be addressed in the next budget cycle.

Commissioner Shaffer also questioned the reduction in the balance of all funds going from \$15.25 million to \$12.93 million at the end of the year. Mr. Berty stated \$1 million of that was directly related to the Capital account. Mr. Berty stated between Capital and the Operating account that is where the biggest decrease in cash came from. He also indicated it is not really affecting the revenues minus expenditures, but it affects the cash.

New Business – None

PUBLIC WORKS, SANITATION AND SEWERS:

Chair: Pat Mullin; Members – Jason Purring and Jeremy Shaffer

Public Works Director Report

Mr. Funk stated the minimum tons of salt they need to purchase this year is 6,000 tons. So far they have committed to 1,350 tons. If they do not purchase the required amount, they will pay a penalty.

Regarding the sinkhole at the church on McKnight, Mr. Funk stated they have a meeting this Wednesday at PennDOT with the property owners. There is also a sinkhole down from the bookstore.

The four new hires have started, and there have been no issues. The night crew is up and running. The Road Program needs to go out for bid. Upon inquiry by Commissioner Betkowski if the township has any responsibility for the sinkholes, Mr. Funk stated no. The township's involvement is for public safety.

Commissioner DeMarco commented that he only saw positive comments on social media about snow removal. Mr. Funk stated another route was added. There are 15 trucks that go out.

Speed Humps

Mr. Funk stated he reached out to Richland, Hampton and Indiana Township regarding “traffic calming.” Richland had a policy of speed humps and abandoned it. Mr. Funk stated if the township wanted to move forward, a traffic consultant or traffic engineer would be needed. Police would also need involved. Commissioner Shaffer suggested this might be a topic for the Environmental Advisory Council. He stated there are some other traffic calming-type things that can be done with just the design of a road and the width of the road and the geometrics of it. Commissioner DeMarco addressed concerns of emergency service providers in regard to speed humps/bumps.

New Business - None

PLANNING, ZONING AND ECONOMIC DEVELOPMENT:

Chair: Dan DeMarco; Members – Sarah Poweska and Jack Betkowski

Community Development Director Report

Mr. Rickert had no report this evening.

Ordinance to be Introduced – Rezoning of Parcel 216-L-115 from an R-2 to an R-3 Zoning District for a future residential development

PUBLIC HEARING TO BE HELD IN THE FUTURE

SP-19-1 – Perry Shops – Kossman Development Company is requesting Preliminary Site Development Plan approval for a proposed Mixed-Use Development on property located at Lot & Block 611-L-60, 7910-7920 Perry Highway, in a C-1 Zoning District of the 9th Ward.

Richard Moses, Esq., and Curtis Kossman were present on behalf of the applicant. Mr. Moses stated the Zoning Hearing Board granted a de minimis variance as to the way the perpendicular buffer yard in McCandless was calculated. Solicitor Conley also advised the Zoning Hearing Board that the variance wasn't necessary, because they did calculate the buffer yard correctly in accordance with the Code.

Mr. Moses also commented that they did settle with Comco before Judge James. The Consent Order, Settlement Agreement and Easement Agreement have been recorded with the Recorder of Deeds. There are no further open issues.

Commissioner Korbelt noted a letter received from Scott and Deborah Metzger. He stated it was his desire, as well as the Board's, to make sure the trails are pulled away from the McCandless residents as much as possible. He stated he would expect to see

that on the final plans. Mr. Kossman indicated they would make revisions to the plans based on the residents' concerns. Mr. Kossman went through the proposed trail in detail.

In response to inquiry by Commissioner Laslavic regarding a traffic study, Mr. Kossman stated they have completed a comprehensive traffic study in conformance with the requirements of PennDOT. He also indicated they are in conformance with the township ordinance. Mr. Kossman stated the traffic study indicated that the level of service “is not only acceptable, it performs at a high level.”

Commissioner Purring stated he is “not a big fan” of storage units. He inquired if Mr. Kossman would be willing to donate to the volunteer firemen. Mr. Kossman stated historically he has done that in every community he has worked with.

Commissioner Betkowski thanked Mr. Kossman for his “design with more of a vertical element to it.”

Ms. Gail Hischar, 162 Kaylor Road, Pittsburgh, PA 15237, a McCandless resident, expressed that she did not want a walking trail butting up against her backyard. She also expressed concern about parking and the coffee shop exit. Ms. Hischar also questioned if the driveway along the side of her property would be one-way. Commissioner DeMarco stated parking concerns would have to be addressed with McCandless. Mr. Rickert stated the parking that Ms. Hischar is concerned about is going away.

Mr. Tad Parkhill, 118 Violet Street, Pittsburgh, PA 15229, expressed concern regarding the curb cut that accesses his property. Mr. Kossman stated he would work with Mr. Parkhill on this issue. Mr. Kossman also discussed stormwater management.

Upon inquiry by Commissioner Shaffer, Mr. Kossman indicated there would be a dedicated turning lane into the development.

No further public comments for or against

Motion to grant Conditional Approval of the SP-19-1 Preliminary Site Development Plan, with Final Approval thereof to be granted upon the submittal of revised Preliminary Plans addressing and correcting all comments in Gateway Engineers' review letter dated September 24, 2019, except those required for final site approval as noted and except those additionally authorized by the appropriate officials of Ross Township and the outcome of any pending court findings/rulings made by Commissioner DeMarco and seconded by Commissioner Betkowski.

Roll call:

Commissioner Poweska – Yes
Commissioner Laslavic – No
Commissioner McKellar – Yes
Commissioner Piring - No
Commissioner Shaffer – No
Commissioner Betkowski – Yes
Commissioner DeMarco – Yes
Commissioner Korbel – Yes

Motion carries – 5 to 3

CU-19-1 – Lockamp Group, LLC, is requesting Conditional Use approval for a commercial cheerleading school in an existing building at Lot & Block 429-P-366, 355 Rochester Road, in a C-2 Zoning District of the 4th Ward.

Mr. Scott Kurtz, architect, was present on behalf of the applicant. Mr. Michael Locke, owner of the property, was also present. Mr. Kurtz described the request in detail. There will be approximately 20 students on the entire site and 2 teachers. A traffic study has been done. The impact is negligible. Landscaping and parking were discussed. Regarding lighting, Mr. Kurtz stated they will actually go on the site with a light meter and adjust the lighting with an electrician. The existing lights will be converted to LEDs. Signage was discussed. There is no pole sign.

Motion to grant Conditional Use approval of CU-19-1 to Lockamp Group, LLC, for a commercial cheerleading school at Lot & Block 429-P-366, 355 Rochester Road, in a C-2 Zoning District of the 4th Ward, pending the landscaping and photometric plan, made by Commissioner DeMarco and seconded by Commissioner Purring.

Motion passes – 8 to 0

New Business - None

PUBLIC SAFETY:

Chairs: William McKellar; Members – Jack Betkowski and Dan DeMarco

Police Chief Report:

Chief Ley mentioned there are strict guidelines to traffic calming and speed humps. He stated a raised crosswalk is much more aesthetically pleasing. He discussed the difficulties with speed humps.

As tax season approaches, Chief Ley stated they will be publishing a list of tax scams that some of the residents have called about in the past. He stated the IRS is never going to call you to tell you that you owe money.

Chief Ley stated PennDOT officials have begun their reinforcement of monitoring speeding in active work zones. He also stated he was comfortable with the new contract for the police.

Police Contract – The Police Association and the Township have reached a tentative agreement on the terms of a new four (4) year contract retroactive to January 1, 2020.

Motion to ratify the Tentative Agreement by and between the Township of Ross and the Ross Township Police Association for changes to the Collective Bargaining Agreement effective January 1, 2020, through December 31, 2023, made by

Commissioner McKellar and seconded by Commissioner Betkowski.

Motion to table made by Commissioner Purring and seconded by Commissioner DeMarco.

Motion passes – 8 to 0

New Business - None

PARKS AND RECREATION:

Chair: Jason Purring; Members – Joe Laslavic and Pat Mullin

Parks and Recreation Director Report:

Ms. Peet commented that Ross Township, along with the Pennsylvania Resource Council, put on rain barrel workshops for the public three times a year. Ross Township does not charge a fee. The Pennsylvania Resource Council has a small fee.

Ms. Peet stated the Evergreen Park Spillway Repair Project is on track to finish before the busy park rental season. She also indicated she is in the initial contract process with DCNR for Denny Park – Phase II. A grant was received from the DCNR for \$114,000 for the 9-hole disc golf course. There will also be a modular restroom, as well as a walking track around the new perimeter of the park. The funding for the walking track is courtesy of the Ridge at Highlands.

The new playground has been installed at Sangree Park. She thanked Avanti Consulting and Allegheny County Community Development for \$75,000 for the project.

The Easter Egg Hunt will be Saturday, March 28th, from 11:00 a.m. to 1:00 p.m. Only the first 200 registrants will be taken.

The planning process has begun for the 4th of July Parade, which will be held on July 5th. Ms. Peet stated she will be meeting

with The Block probably sometime in the next couple of weeks as a follow-up for the September 19th and 20th dates for Community Day. There will be a car cruise on September 20th.

Ms. Peet has also been working on getting bylaws together for the Athletic Advisory Board . Commissioner Purring stated the committee will be meeting on the 28th to discuss moving forward. The Athletic Advisory Board will consist of two members from North Hills Baseball, Ross/West View, North Hills Soccer and two at-large members with no affiliation with the three organizations. Commissioner Korbel commented that the solicitor will need to create an ordinance to create the Board.

Ms. Peet stated she will be sending the link to Swank Movies for the new commissioners to pick their movies for Movies in the Park. Commissioner Laslavic has already picked the first movie for Friday, July 3rd. In response to Commissioner DeMarco, Ms. Peet stated they are going to get a new backup generator this year.

Administrative Training Request – Eloise Peet and Laurie Berie are requesting approval to attend the 2020 Pennsylvania Recreation and Park Society/PA Association of Environmental Educators Conference from March 17-20, 2020, in Seven Springs, PA, at a cost not to exceed \$2,500.00.

Motion to authorize Eloise Peet and Laurie Berie to attend the 2020 Pennsylvania Recreation and Park Society/PA Association of Environmental Educators Conference from March 17-20, 2020, in Seven Springs, PA, at a cost not to exceed \$2,500.00 made by Commissioner Purring and seconded by Commissioner Laslavic.

Motion passes – 8 to 0

CITF Grant – Sangree Park Master Plan – Phase I (Play Area)

Motion to authorize Eloise Peet to execute the Grant Contract 2019-CITF-118 between Ross Township and Allegheny County Economic Development, Community Infrastructure & Tourism Fund, for the grant amount of \$75,000.00 made by

Commissioner Pirring and seconded by Commissioner DeMarco.

Motion passes – 8 to 0

Awarding of the Evergreen Spillway & Seating Bid

Motion to award the Evergreen Spillway and Seating bid to S.E.T., Inc., in the amount of \$144,805.00 made by Commissioner Pirring and seconded by Commissioner Shaffer.

Motion passes – 8 to 0

New Business - None

OTHER BOARDS/ENTITIES (COG, CONNECT, Intergovernmental):

Commissioner Betkowski stated there was a CONNECT meeting last week, and the census was discussed. There will not be a mailing. A code will be received in the mail, and the census will be done online.

Commissioner Korbel stated the school board will be convening a meeting with the township and West View Borough and the school district with respect to turnKey Taxes.

PUBLIC COMMENT:

Ms. Darlene Didonato addressed the Board regarding Short Line Hollow Trail, the Environmental Advisory Council and the property where Public Works is located.

MEETING ADJOURNED TO EXECUTIVE SESSION AT 9:31 P.M.

Commissioners Committee/Business Meeting – January 20, 2020

Manager/Secretary

**President,
Stephen Korbel
Ross Township Board of
Commissioners**

**Minutes transcribed by Noreen A. Re, Certified Realtime
Reporter**

Memorandum

To: **Ross Township Commissioners**
CC: Ronald Borczyk and Daniel Berty
From: Roseanne Jones
Date: February 14, 2020
RE: General Fund Vendor Payments February 18, 2020

The Finance Department is asking for approval for payment for the following checks.

1. Checks were issued from the FNB Payroll Account in the amount of **\$201,266.37**. These payments were for the payroll of February 7, 2020:

Employee Checks: #3956 to #3969
Direct Deposit Transfers
2. Checks were issued from the FNB Payroll Account, for payroll related deductions, in the amount of **\$108,521.48**. These payments were for the payroll of February 7, 2020:

Vendor Checks: #3970 to #3972
Wire Transfers
3. Checks are being issued from the FNB Checking Accounts, in payment for outstanding invoices, to our vendors in the amount of **\$530,853.90**.

Vendor Checks (General): #11923 to #12011 for \$ 288,052.86
Vendor Checks (Capital): #4488 to #4490 for \$ 3,684.50
Vendor Checks (Sewage): #3487 to #3490 for \$ 27,587.17

PrePay Checks (General): #11912 to #11922 for \$ 211,529.37

To: ROSS TOWNSHIP COMMISSIONERS

From: Dan Berty, Director of Finance

Date: February 13, 2020

Subject: **FEBRUARY 2020 CHECK RUN**

Attached is the Check Run detail listing to be approved at the February 18, 2020 meeting. The following is a brief description of the top four vendors payments listed in the General, Sewer, Escrow and Capital Improvement Fund preliminary check register. These vendor payments comprise **60.4%** of the total check register.

<u>NAME / DESCRIPTION</u>	<u>FUND</u>	<u>AMOUNT</u>
MEIT EMPLOYEE HEALTHCARE	OPERATING	\$ 164,068.12
MORTON SALT ROAD SALT	OPERATING	\$ 76,092.79
NATIONAL SHOTCRETE LLC AMITY ROAD STORM SEWER	OPERATING	\$ 41,595.00
MRM TRUST WORKERS COMP	OPERATING	\$ 38,839.67

Listed below are total monthly payments for February 2020 to the Township Engineer, the Township Attorney, and any other Vendor with a reimburseable expense during the period, less the reimbursements by developers, grants, or bond proceeds:

Gateway Engineers and Surveyors	\$ -
Less: Developer Escrow Payment	\$ -
Total Cost to Township:	<u>\$ -</u>
PJ Murray	\$ 9,240.00
Less: Developer Escrow Payment	\$ -
Total Cost to Township:	<u>\$ 9,240.00</u>

Please feel free to contact me with any questions. Sincerely,



Dan Berty, Director of Finance



TOWNSHIP OF ROSS

General Fund

**Vendor Payments to be Approved
For Payment on February 18, 2020**

**Checks #11923 to #12011
In the amount of \$288,052.86**

**PrePay Checks #11912 to #11922
In the amount of \$211,529.37**

FNB OPERATING**Ross Township**
Accounts Payable Check Run List

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<u>Check Date</u>	<u>Invoice</u>	<u>Description</u>	<u>Accounting Distribution</u>	<u>Invoice Pay Amount</u>
<u>A & A CONCRETE PRODUCTS INC</u>				
2/18/2020	01200105	GRATE ONLY	01 436 264000	350.00
Check Amount for A & A CONCRETE PRODUCTS INC				350.00
<u>A & H EQUIPMENT COMP</u>				
2/18/2020	C20907	MOMENTRY SWITCH	01 437 251000	67.90
2/18/2020	C20928	PARTS	01 437 251000	2631.07
2/18/2020	C20943	PARTS	01 437 251000	924.06
2/18/2020	C21002	PARTS	01 437 251000	142.18
2/18/2020	C21005	PARTS	01 437 251000	611.82
Check Amount for A & H EQUIPMENT COMP				4,377.03
<u>ABSOLUTE EQUIPMENT</u>				
2/18/2020	155738	CHIPPER	01 430 384000	322.50
Check Amount for ABSOLUTE EQUIPMENT				322.50
<u>ALL-CLEAN BUILDING SERVICES</u>				
2/18/2020	1868	POLICE ANNEX	01 409 450000	120.00
2/18/2020	1869	MUNICIPAL BLDG	01 409 450000	3282.00
2/18/2020	1870	DPW	01 430 370000	693.00
2/18/2020	1872	CLEANING GYM	01 454 370000	280.00
Check Amount for ALL-CLEAN BUILDING SERVICES				4,375.00
<u>ALLEGHENY COUNTY TREASURER</u>				
2/18/2020	472-IN	TRI-ANNUAL INSPECTION - 1 UST Pay:ALLEGHENY COUNTY TREASURER	01 437 250000	450.00
Check Amount for ALLEGHENY COUNTY TREASURER				450.00
<u>ALLEGHENY MEDICAL</u>				
2/18/2020	3961	8/1/2019 YOUNG - RETURN TO DUTY FCE	01 410 310000	75.00
Check Amount for ALLEGHENY MEDICAL				75.00
<u>ALLIED COMMUNICATIONS</u>				
2/18/2020	1770	GPS AIRTIME JANUARY	01 437 250000	751.95
Check Amount for ALLIED COMMUNICATIONS				751.95
<u>AMCOM</u>				
2/18/2020	IN828722	BLACK/COLOR USAGE	01 430 451000	48.84
Check Amount for AMCOM				48.84
<u>ATLAS CLAY & METAL PRODUCTS INC</u>				
2/18/2020	212447	STOCK	01 436 250000	196.62
2/18/2020	212559	STOCK	01 436 264000	220.00
2/18/2020	212592	JACKS RUN RD	01 436 265000	31.54
2/18/2020	212724	STOCK	01 436 250000	326.50
Check Amount for ATLAS CLAY & METAL PRODUCTS INC				774.66
<u>AVANTI CONSULTING GROUP, INC</u>				
2/18/2020	0214	FEBRUARY 2020	01 400 310000	3500.00
Check Amount for AVANTI CONSULTING GROUP, INC				3,500.00
<u>BAIERL AUTOMOTIVE</u>				
2/18/2020	78609	HEADLAM & CORE DEPOSIT	01 437 251000	1118.59
2/18/2020	CM78609	CREDIT - CORE RETURN	01 437 251000	-125.00
Check Amount for BAIERL AUTOMOTIVE				993.59
<u>BATTERIES PLUS</u>				
2/18/2020	P23070399	BATTERIES Pay:BATTERIES PLUS BULBS	01 410 261000	15.25
Check Amount for BATTERIES PLUS				15.25
<u>BIG DADDY WILDLIFE REMOVAL</u>				
2/18/2020	806	DEAD ANIMAL REMOVAL	01 410 450004	910.00
Check Amount for BIG DADDY WILDLIFE REMOVAL				910.00
<u>CARQUEST AUTO PARTS</u>				
2/18/2020	5430-510054	POLICE CAR 7	01 410 251000	99.43
Check Amount for CARQUEST AUTO PARTS				99.43
<u>CARROT-TOP INDUSTRIES, INC</u>				
2/18/2020	44889600	FLAG	01 409 250000	414.98
Check Amount for CARROT-TOP INDUSTRIES, INC				414.98

FNB OPERATING

Ross Township
Accounts Payable Check Run List

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<u>Check Date</u>	<u>Invoice</u>	<u>Description</u>	<u>Accounting Distribution</u>	<u>Invoice Pay Amount</u>
<u>CATHERINE A. CONLEY, ESQUIRE</u>				
2/18/2020	02122020-94	ZONING HEARING BOARD	01 414 314001	2624.75
Check Amount for CATHERINE A. CONLEY, ESQUIRE				2,624.75
<u>CERTIFIED LABORATORIES</u>				
2/18/2020	3833632	MILE-HI	01 437 250000	278.90
2/18/2020	3833673	DIESEL-MATE	01 437 250000	318.00
Check Amount for CERTIFIED LABORATORIES				596.90
<u>CHEF'S TABLE HOSPITALITY GROUP</u>				
2/18/2020	20247	TOWNSHIP MEETING	01 400 460000	250.00
Check Amount for CHEF'S TABLE HOSPITALITY GROUP				250.00
<u>CIVICPLUS</u>				
2/18/2020	196271	SOFTWARE FEE JANUARY	01 407 453000	200.00
Check Amount for CIVICPLUS				200.00
<u>CODE.SYS CODE CONSULTING</u>				
2/18/2020	ROS-JAN-20	UCC INSPECTIONS	01 413 310001	10125.00
2/18/2020	ROS-JAN-20	UCC INSPECTIONS/ELECTRICAL	01 413 310001	6643.78
Check Amount for CODE.SYS CODE CONSULTING				16,768.78
<u>COMCAST</u>				
2/18/2020	8993210280130284	1000 ROSS MUNICIPAL	01 407 451000	258.35
2/18/2020	8993210280288595	1000 ROSS MUNICIPAL	01 407 451000	10.53
Check Amount for COMCAST				268.88
<u>COMDOC INC</u>				
2/18/2020	5009179732	COPIER LEASING DPW	01 430 451000	162.75
Check Amount for COMDOC INC				162.75
<u>DEPARTMENT OF REAL ESTATE</u>				
2/18/2020	3695808	BILLABLE INTERNET COPIES DEC 2019	01 408 310000	6.25
Check Amount for DEPARTMENT OF REAL ESTATE				6.25
<u>DON PARKER SALES INC</u>				
2/18/2020	78631	LABOR/MATERIALS	01 437 374000	199.95
Check Amount for DON PARKER SALES INC				199.95
<u>DUQUESNE LIGHT COMPANY</u>				
2/18/2020	209062615618	10TH ST & 9TH AVE	01 434 361000	17253.66
2/18/2020	549020844167	3430 EVERGREEN RD POOL	01 454 361000	13.64
2/18/2020	768565813188	1000 ROSS MUNICIPAL DR	01 433 450003	771.62
Check Amount for DUQUESNE LIGHT COMPANY				18,038.92
<u>ECKELS, DAVID</u>				
2/18/2020	01302020	LARUE TACTICAL	01 410 261000	172.95
2/18/2020	02102020	REPAIR FOR NIGHT VISION LASER FOR AR-15	01 410 261000	95.00
Check Amount for ECKELS, DAVID				267.95
<u>EDMUNDS, GEORGE</u>				
2/18/2020	02102020	REFEREE JAN 31 3 GAMES	01 451 146000	120.00
Check Amount for EDMUNDS, GEORGE				120.00
<u>EJ USA, INC</u>				
2/18/2020	110200007140	PART	01 436 264000	1006.50
Check Amount for EJ USA, INC				1,006.50
<u>ELEGANCE IN AWARDS</u>				
2/18/2020	12501	PLATE - JACKIE SNYDER	01 401 210000	72.62
Check Amount for ELEGANCE IN AWARDS				72.62
<u>EQUIPARTS</u>				
2/18/2020	135563	PARTS	01 409 250000	762.01
Check Amount for EQUIPARTS				762.01
<u>FIRE FIGHTER SALES AND SERVICE</u>				
2/18/2020	S100107337	TEST & INSPECTIO OF FIRE ALARM SYSTEM	01 409 370000	800.00
2/18/2020	S100107338	TEST & INSPECTION OF FIRE ALARM SYSTEM	01 430 370000	579.00
Check Amount for FIRE FIGHTER SALES AND SERVICE				1,379.00
<u>FUN EXPRESS</u>				
2/18/2020	701114730-01	EASTER EGG HUNT	01 451 247001	398.03
Check Amount for FUN EXPRESS				398.03

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<u>Check Date</u>	<u>Invoice</u>	<u>Description</u>	<u>Accounting Distribution</u>	<u>Invoice Pay Amount</u>
<u>GENERAL CODE</u>				
2/18/2020	GC00109482	eCODE360 MAPLINK SAP POWERED b	01 413 240000	1495.00
Check Amount for GENERAL CODE				1,495.00
<u>GERARD PLUMBING AND HEATING</u>				
2/18/2020	91255	SERVICE/REPAIR	01 409 370000	1690.09
Check Amount for GERARD PLUMBING AND HEATING				1,690.09
<u>GUTTMAN ENERGY</u>				
2/18/2020	2-1046	FUEL/DIESEL	01 437 231000	9474.50
				01 437 232000
Check Amount for GUTTMAN ENERGY				19,444.60
<u>HANSON AGGREGATES</u>				
2/18/2020	3668546	PARTS	01 436 250000	1249.57
2/18/2020	3669858	SUPPLIES	01 436 250000	650.30
Check Amount for HANSON AGGREGATES				1,899.87
<u>HEI-WAY, LLC</u>				
2/18/2020	00130012	PATCHING MATERIAL	01 431 252001	326.71
Check Amount for HEI-WAY, LLC				326.71
<u>HILL, PEG</u>				
2/18/2020	01312020	1/2 REFUND - NIECE SCG	01 369 369504	84.38
Check Amount for HILL, PEG				84.38
<u>HOVIS AUTO</u>				
2/18/2020	13-334527	HYDRASULIC SPIN ON	01 437 251000	160.41
2/18/2020	13-334693	ALLEDGED WARRANTY	01 437 251000	-136.99
2/18/2020	13-334919	FUEL SPIN ON	01 437 251000	22.93
Check Amount for HOVIS AUTO				46.35
<u>IASIU - PITTSBURGH</u>				
2/18/2020	02262020	IASIU SEMINAR (\$25 X3 ATTENDEES)	01 410 461000	75.00
Check Amount for IASIU - PITTSBURGH				75.00
<u>INTERNATIONAL ASSOC. OF CHIEFS OF POLICE</u>				
2/18/2020	0095706	2020 DUES CHIEF LEY	01 410 420000	190.00
Check Amount for INTERNATIONAL ASSOC. OF CHIEFS OF				190.00
<u>JAMES PERKA WINDOW</u>				
2/18/2020	02122020	WINDOW CLEANING	01 409 450000	475.00
Check Amount for JAMES PERKA WINDOW				475.00
<u>KIMBALL MIDWEST</u>				
2/18/2020	7717410	PARTS	01 437 251000	405.69
Check Amount for KIMBALL MIDWEST				405.69
<u>LANDS' END BUSINESS OUTFITTERS</u>				
2/18/2020	SO--20191219-112	UNIFORMS	01 451 210000	313.23
2/18/2020	SO-20191219-1125	LOGO CREDIT	01 451 210000	-93.94
Check Amount for LANDS' END BUSINESS OUTFITTERS				219.29
<u>LAWSON PRODUCTS INC</u>				
2/18/2020	9307359564	SUPPLIES	01 437 251000	74.43
Check Amount for LAWSON PRODUCTS INC				74.43
<u>LEFCON</u>				
2/18/2020	18-4569	HARDWARE - JIM'S NEW COMPUTER, BLDG	01 409 750000	906.04
2/18/2020	18-4596	OFFICE 365 - SUPPORT SERVICES	01 407 451000	2640.80
2/18/2020	18-4608	OFFICE 365	01 410 451002	305.00
Check Amount for LEFCON				3,851.84
<u>LETS CUT A DEAL SERVICES</u>				
2/18/2020	000099	TREE REMOVAL 34 TREES	01 413 242002	10000.00
Check Amount for LETS CUT A DEAL SERVICES				10,000.00
<u>MASTERMANS</u>				
2/18/2020	1102463041	SUPPLIES	01 430 236001	262.40
Check Amount for MASTERMANS				262.40

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<u>Check Date</u>	<u>Invoice</u>	<u>Description</u>	<u>Accounting Distribution</u>	<u>Invoice Pay Amount</u>
<u>MATULEVIC, TRICIA</u>				
2/18/2020	02062020	PRESCHOOL RUGRATS CANCELLED	01 368 368210	42.00
Check Amount for MATULEVIC, TRICIA				42.00
<u>MORTON SALT</u>				
2/18/2020	5402018857	SALT	01 432 245000	6339.51
2/18/2020	5402025519	SALT	01 432 245000	26827.06
2/18/2020	5402026445	SALT	01 432 245000	7950.74
2/18/2020	5402027558	SALT	01 432 245000	28523.61
2/18/2020	5402028615	SALT	01 432 245000	6451.87
Check Amount for MORTON SALT				76,092.79
<u>MRM TRUST</u>				
2/18/2020	1920PRJ3450	WORKERS COMP	01 401 354000	85.82
			01 402 354000	82.50
			01 410 354000	24500.00
			01 411 354000	255.00
			01 413 354000	75.00
			01 419 354000	1236.10
			01 430 354000	11250.00
			01 451 354000	920.00
			01 453 354000	435.25
Check Amount for MRM TRUST				38,839.67
<u>NATIONAL SHOTCRETE, LLC</u>				
2/18/2020	1364	AMITY ROAD STORM SEWER REHABILITATION	01 436 750000	41595.00
Check Amount for NATIONAL SHOTCRETE, LLC				41,595.00
<u>NORTH EASTERN UNIFORMS & EQUIP., INC.</u>				
2/18/2020	51345	COMMISSIONERS BADGE/ID CASE	01 410 200000	293.90
2/18/2020	51436	UNIFORMS	01 410 200000	1072.76
Check Amount for NORTH EASTERN UNIFORMS & EQUIP.,				1,366.66
<u>NORTH HILLS AUTO SUPPLY INC</u>				
2/18/2020	380484	TRUCK 23	01 437 251000	5.14
2/18/2020	381091	GREASE CART	01 437 251000	53.39
Check Amount for NORTH HILLS AUTO SUPPLY INC				58.53
<u>NWGS COMPANIES</u>				
2/18/2020	14689	HEALTHCARE	01 401 156101	15.00
			01 402 156101	15.00
			01 410 156101	210.00
			01 413 156101	15.00
			01 414 156101	5.00
			01 430 156101	160.00
			01 451 156101	15.00
			01 487 160000	30.00
Check Amount for NWGS COMPANIES				465.00
<u>OIL SERVICE INC</u>				
2/18/2020	3073936	SERVICE PRO/OIL DRI	01 437 235000	382.25
			01 437 250000	278.00
Check Amount for OIL SERVICE INC				660.25
<u>ORSINO, MICHAEL</u>				
2/18/2020	02032020	REIMBURSEMENT - COFFEE FOR NTOA CLASS	01 410 460000	102.92
Check Amount for ORSINO, MICHAEL				102.92
<u>PA ONE CALL SYSTEMS</u>				
2/18/2020	0000846545	MONTHLY ACTIVITY FEE	01 430 450006	200.20
Check Amount for PA ONE CALL SYSTEMS				200.20
<u>PARTSMASTER</u>				
2/18/2020	23507937	PARTS	01 437 251000	268.64
Check Amount for PARTSMASTER				268.64
<u>PEOPLES NATURAL GAS</u>				
2/18/2020	200007897552	255 CEMETERY LN	01 430 362000	1551.66
2/18/2020	200008099406	235 CEMETERY LN	01 410 530002	224.60
2/18/2020	210003606519	225 CEMETERY LN	01 430 362000	2265.58
Check Amount for PEOPLES NATURAL GAS				4,041.84

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<u>Check Date</u>	<u>Invoice</u>	<u>Description</u>	<u>Accounting Distribution</u>	<u>Invoice Pay Amount</u>
<u>PHILIP J. MURRAY LAW, LLC</u>				
2/18/2020	JANUARY 2020	JANUARY 2020	01 404 314000	9240.00
Check Amount for PHILIP J. MURRAY LAW, LLC				9,240.00
<u>PITNEY BOWES PURCHASE POWER</u>				
2/18/2020	8000-9000-0902-81	POSTAGE	01 401 325000	803.00
Check Amount for PITNEY BOWES PURCHASE POWER				803.00
<u>PITTSBURGH POST GAZETTE</u>				
2/18/2020	38669	ADS	01 404 341000	1098.95
Check Amount for PITTSBURGH POST GAZETTE				767.45
				1,866.40
<u>POINT SPRING & DRIVESHAFT CO</u>				
2/18/2020	I579952	PART	01 437 251000	1112.86
2/18/2020	I580868	STOCK	01 437 251000	80.02
Check Amount for POINT SPRING & DRIVESHAFT CO				1,192.88
<u>PRPS</u>				
2/18/2020	02102020	SKI TICKETS Pay:PRPS	01 368 368120	747.00
Check Amount for PRPS				747.00
<u>QUILL CORPORATION</u>				
2/18/2020	4300300	POWESKA - STAMPER	01 400 470000	28.98
2/18/2020	4380901	SUPPLIES	01 401 210000	1.49
				23.79
2/18/2020	4474617	STAMP - BLDG DEPT	01 413 240000	19.99
2/18/2020	4544966	STAMPER - MCKELLAR	01 400 470000	18.99
Check Amount for QUILL CORPORATION				93.24
<u>RE NOREEN A</u>				
2/18/2020	02092020	BOC JAN 20, 2020	01 400 145000	350.00
Check Amount for RE NOREEN A				350.00
<u>ROSS MAINTENANCE</u>				
2/18/2020	194777	SUPPLIES	01 409 236000	29.80
Check Amount for ROSS MAINTENANCE				29.80
<u>RUBENSTEIN, TANIECCIA</u>				
2/18/2020	02132020	SR FITNESS JAN-FEB 2020	01 451 146000	546.00
2/18/2020	FEB 2020	2/5, 2/12 CLASS	01 380 380220	150.00
Check Amount for RUBENSTEIN, TANIECCIA				696.00
<u>S & D CALIBRATION SERVICES INC.</u>				
2/18/2020	8248	ACCUTRAK CERTIFICATION	01 410 451000	263.00
Check Amount for S & D CALIBRATION SERVICES INC.				263.00
<u>SHERWIN WILLIAMS PAINT</u>				
2/18/2020	9105-8	PAINT Pay:SHERWIN WILLIAMS PAINT	01 409 250000	41.31
Check Amount for SHERWIN WILLIAMS PAINT				41.31
<u>SHULTS FORD</u>				
2/18/2020	674857FOW	POLICE CAR 24	01 410 251000	38.04
2/18/2020	CM670994	CREDIT - INV 670994 RETAINER	01 437 251000	-23.92
Check Amount for SHULTS FORD				14.12
<u>SOKOLOWSKI, LINDSAY</u>				
2/18/2020	02062020	PRESCHOOL RUGRATS CANCELLED	01 368 368210	42.00
Check Amount for SOKOLOWSKI, LINDSAY				42.00
<u>STAPLES ADVANTAGE</u>				
2/18/2020	3438490645	SUPPLIES	01 401 210000	12.03
				5.64
				56.18
				3.79
2/18/2020	3439024223	SUPPLIES	01 401 210000	18.48
				64.10
				9.83
Check Amount for STAPLES ADVANTAGE				170.05

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<u>Check Date</u>	<u>Invoice</u>	<u>Description</u>	<u>Accounting Distribution</u>	<u>Invoice Pay Amount</u>
<u>T & M HARDWARE & RENTAL, INC.</u>				
2/18/2020	2002-628340	MUNICIPAL POLICE KITCHEN	01 409 250000	22.71
2/18/2020	2002-628871	LUCERNE GATE	01 430 250000	12.96
2/18/2020	2002-632224	PARTS	01 409 250000	4.74
Check Amount for T & M HARDWARE & RENTAL, INC.				40.41
<u>TERMINAL SUPPLY CO.</u>				
2/18/2020	12950-00	ACCT #: 60912/60913	01 437 251000	429.30
2/18/2020	12950-01	ACCT # 60912/60913	01 437 251000	39.61
Check Amount for TERMINAL SUPPLY CO.				468.91
<u>THIS N AT TREE TECHNICIANS LLC</u>				
2/18/2020	10142019	TREE REMOVAL	01 454 450000	600.00
Check Amount for THIS N AT TREE TECHNICIANS LLC				600.00
<u>THREE RIVERS HARLEY-DAVIDSON</u>				
2/18/2020	525035	BAT. LITHIUM	01 410 251000	254.96
Check Amount for THREE RIVERS HARLEY-DAVIDSON				254.96
<u>TITUS, MARY</u>				
2/18/2020	02072020	PRESCHOOL RUGRATS CANCELLED	01 368 368210	42.00
Check Amount for TITUS, MARY				42.00
<u>TRI STATE HOSE & SUPPLY CO.</u>				
2/18/2020	50140	SUPPLIES	01 430 250000	135.39
			01 437 251000	134.16
2/18/2020	50208	[ART	01 437 251000	13.16
2/18/2020	50275	PART	01 437 251000	92.18
Check Amount for TRI STATE HOSE & SUPPLY CO.				374.89
<u>UNIFIRST CORPORATION</u>				
2/18/2020	0745665846	UNIFORMS	01 430 238000	236.06
2/18/2020	0745668587	UNIFORMS	01 430 238000	262.71
2/18/2020	0752964934	MATS	01 409 450000	78.17
Check Amount for UNIFIRST CORPORATION				576.94
<u>VERIZON</u>				
2/18/2020	450732763000133	PHONE ALLOCATION	01 410 321000	78.22
			01 410 323000	267.60
Check Amount for VERIZON				345.82
<u>W.L. ROENIGK, INC.</u>				
2/18/2020	220-1	FEBRUARY 2020 SENIOR CITIZEN TRANSPORTATION	01 458 450005	3750.00
Check Amount for W.L. ROENIGK, INC.				3,750.00
<u>WASTE MANAGEMENT</u>				
2/18/2020	6974933-0068-8	CONTAINER USAGE 1/16-2/01/20	01 430 250000	176.50
Check Amount for WASTE MANAGEMENT				176.50
<u>WITMER PUBLIC SAFETY GRP, INC</u>				
2/18/2020	2006393	AMMUNITION	01 410 261000	279.69
Check Amount for WITMER PUBLIC SAFETY GRP, INC				279.69
<u>WL ASSOCIATES</u>				
2/18/2020	1277	HAMPTON COLLECTION MUG	01 410 242001	618.27
Check Amount for WL ASSOCIATES				618.27
<u>WOODS, ARTHUR P.</u>				
2/18/2020	02102020	REFEREE JAN 29, 2020 3 GAMES	01 451 146000	120.00
Check Amount for WOODS, ARTHUR P.				120.00
Report Total				288,052.86

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<u>Check Date</u>	<u>Invoice</u>	<u>Description</u>	<u>Accounting Distribution</u>	<u>Invoice Pay Amount</u>
AMERICAN ARBITRATION ASSOCIATION				
2/12/2020	12553887	CASE #:01-20-0000-1347-2-LJ; IN REFERENCE TO:	01 404 314000	325.00
Check Amount for AMERICAN ARBITRATION ASSOCIATION				325.00
AT & T MOBILITY				
2/12/2020	287293180819X020	EMERG MGMT; DPW; POLICE	01 410 321000	737.58
			01 415 321002	92.79
			01 430 321002	37.73
Check Amount for AT & T MOBILITY				868.10
COMCAST				
2/12/2020	8993210280401859	300 DENNY PARK DR	01 407 451000	68.40
Check Amount for COMCAST				68.40
CONSTELLATION NEWENERGY, INC				
2/12/2020	16465822201	1000 ROSS MUNICIPAL RD	01 434 361000	3043.22
2/12/2020	16465912901	THOMPSN/BABCOCK	01 433 450003	18.40
2/12/2020	16465913101	THOMPSN@MCINTYRE	01 433 450003	69.72
2/12/2020	16465913401	THOMPSON/PERRY	01 433 450003	20.85
2/12/2020	16465913601	3 DEGREE/BABCOCK	01 433 450003	39.99
2/12/2020	16465913701	BABCOCK @BROWNS LN	01 433 450003	80.54
2/12/2020	16465913801	BABCOCK@CEMETERY	01 433 450003	52.52
2/12/2020	16465913901	PERRY HW S-SCHAR	01 433 450003	0.46
2/12/2020	16465914001	BABCOCK/EVERGREN	01 433 450003	28.08
2/12/2020	16465914101	BABCOCK/ROCHESTR	01 433 450003	24.49
2/12/2020	16465914201	BABCOCK/RODERICK	01 433 450003	7.97
2/12/2020	16465914301	PERRY HW N-SCHAR	01 433 450003	0.46
2/12/2020	16465914401	BABCOCK@RAMP G	01 433 450003	6.21
2/12/2020	16465914501	MCINTYRE RD #1	01 433 450003	0.46
2/12/2020	16465914601	BRIGHTN/JACKS RN	01 433 450003	12.36
2/12/2020	16465914701	MCINTYRE RD #2	01 433 450003	0.46
2/12/2020	16465914801	MCKNIGH@BRAUNLIC	01 433 450003	82.31
2/12/2020	16465914901	MCKNIGH&BRWN'S@J	01 433 450003	7.75
2/12/2020	16465915001	MCNKIGH/GULF STA	01 433 450003	0.68
2/12/2020	16465915101	MCKNIGHT/MALL	01 433 450003	0.68
2/12/2020	16465915201	MCKNIGH@MED.CNTR DR	01 433 450003	82.88
2/12/2020	16465915301	MCKNIGH@MALL DR	01 433 450003	73.08
2/12/2020	16465915401	MCKNIGH@ROSS PAR	01 433 450003	73.37
2/12/2020	16465915501	MCKNIGH@NELSON R	01 433 450003	60.78
2/12/2020	16465915601	MCKNIGH@SIEBERT RD	01 433 450003	6.38
2/12/2020	16465915701	MCKNIGHT/TUNE UP	01 433 450003	0.68
2/12/2020	16465915801	MCKNIGHT/ROSS TOW	01 433 450003	87.09
2/12/2020	16465915901	MCKNIGHT@MALL	01 433 450003	0.68
2/12/2020	16465916001	MCKNIGHT@MCINTYR	01 433 450003	63.57
2/12/2020	16465916101	MCKNIGHT@TUNE UP	01 433 450003	0.68
2/12/2020	16465916201	PERRY HW/GOOD	01 433 450003	24.67
2/12/2020	16465916301	PERRY/ROCHESTER	01 433 450003	15.15
2/12/2020	16465916401	PERRY HW/TRION	01 433 450003	9.12
2/12/2020	16465916501	PERRY@IVORY	01 433 450003	43.06
2/12/2020	16465916601	PERRY HW/WASH	01 433 450003	7.97
2/12/2020	16465916701	RCHSTR/E-H SCH	01 433 450003	1.37
2/12/2020	16465916801	PERRY/JACKSON	01 433 450003	20.85
2/12/2020	16465916901	RCHSTR/W-H SCH	01 433 450003	1.37
2/12/2020	16465917001	REIS RN-LOWERY S	01 433 450003	40.10
2/12/2020	16465917101	ROCHESTR/GLENMOR	01 433 450003	18.00
2/12/2020	16465917301	SEWIKY OAKMNT/19	01 433 450003	69.44
2/12/2020	16556391501	235 CEMETERY LN	01 410 530002	53.89
2/12/2020	16556391601	225 CEMETERY LN	01 430 361000	1166.14
2/12/2020	16567322401	1000 ROSS MUNICIPAL RD	01 409 361000	3703.53
2/12/2020	16622709701	250 JACKS RUN RD	01 454 361000	11.56
2/12/2020	16631614801	985 PERRYSVILLE AVE	01 433 450003	226.86
2/12/2020	16633327901	IVORY @ PRYSVLL AVE	01 433 450003	41.87
2/12/2020	16633348201	JEFFRSON & COUNTRY PARK	01 454 361000	41.96
2/12/2020	16641640501	3430 EVERGREEN RD	01 454 361000	35.26
Check Amount for CONSTELLATION NEWENERGY, INC				9,478.97
HOME DEPOT CREDIT				
2/12/2020	1010539	SUPPLIES	01 436 250000	154.56

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2/12/2020	1023883	SUPPLIES	01 436 250000	154.56
2/12/2020	2023243	BARRICADES & TRUCKS	01 437 250000	30.76
2/12/2020	2024745	SUPPLIES	01 436 250000	154.56
2/12/2020	23351	POLICE ANNEX PAINT	01 430 250000	174.70
2/12/2020	3073858	MUNICIPAL	01 409 250000	125.12
2/12/2020	4074681	MUNICIPAL	01 409 250000	122.88
2/12/2020	4512812	PARKS DEPT	01 454 250000	89.54
2/12/2020	5010265	SUPPLIES	01 436 250000	161.50
2/12/2020	5015081	SUPPLIES	01 436 250000	154.56
2/12/2020	5015134	SUPPLIES	01 436 250000	154.56
2/12/2020	5080979	MUNICIPAL	01 409 250000	72.27
2/12/2020	8023271	SIDE BOARDS, BARRICADE WOOD & PAINT	01 437 250000	304.68
2/12/2020	8102321	SUPPLIES	01 430 250000	15.96
2/12/2020	8525820	MUNICIPAL	01 409 250000	129.36
Check Amount for HOME DEPOT CREDIT				1,999.57
MEIT				
2/12/2020	180672	HEALTHCARE	01 210 021300	7849.75
			01 400 157000	52.50
			01 401 156000	8191.37
			01 401 157000	234.30
			01 402 156000	2701.13
			01 402 157000	188.15
			01 410 156000	69714.24
			01 410 157000	8102.08
			01 413 156000	4327.21
			01 413 157000	188.15
			01 414 156000	1069.95
			01 414 157000	46.15
			01 419 157000	158.84
			01 430 156000	48750.21
			01 430 157000	2483.69
			01 451 156000	2940.45
			01 451 157000	138.45
			01 487 160000	6931.50
Check Amount for MEIT				164,068.12
PUBLIC AGENCY TRAINING COUNCIL				
2/12/2020	246285	SEMINAR - KOHLHEPP, SCIULLO, KIRTLEY	01 410 461000	1050.00
Check Amount for PUBLIC AGENCY TRAINING COUNCIL				1,050.00
TRAVELERS CL REMITTANCE CENTER				
2/12/2020	8288KA231	TAX CLLCTR BOND	01 403 353000	13264.00
Check Amount for TRAVELERS CL REMITTANCE CENTER				13,264.00
VERIZON WIRELESS				
2/12/2020	9847423733	WIRELESS ACCOUNTS	01 400 321000	160.04
			01 401 321002	40.01
			01 402 321002	40.01
			01 410 321003	31.96
			01 413 321002	120.03
			01 430 321002	267.08
			01 451 321002	40.01
Check Amount for VERIZON WIRELESS				699.14
WELLS FARGO FINANCIAL LEASING				
2/12/2020	5008945155	COPIER LEASING	01 401 451000	955.97
Check Amount for WELLS FARGO FINANCIAL LEASING				955.97
WEST VIEW WATER AUTH				
2/12/2020	802001007501000	CENTER AT PERRY HWY	01 411 363000	18618.53
2/12/2020	802001007501000	225 CEMETERY LN	01 430 366000	21.43
2/12/2020	803000057801000	1000 ROSS MUNICIPAL RD	01 409 366000	21.43
2/12/2020	803001058000000	1000 ROSS MUNICIPAL	01 409 366000	90.71
Check Amount for WEST VIEW WATER AUTH				18,752.10
Report Total				211,529.37

TOWNSHIP OF ROSS

Capital Improvement

**Vendor Payments to be Approved
For Payment on February 18, 2020**

**Checks #4488 to #4490
In the amount of \$3,684.50**

<u>Check Date</u>	<u>Invoice</u>	<u>Description</u>	<u>Accounting Distribution</u>	<u>Invoice Pay Amount</u>
LEFCON				
2/18/2020	18-4574	HARDWARE ROSS POLICE ANNEX BLDG	19 410 500003	1052.00
2/18/2020	18-4574	CONSULTING - INSTALLATION POLICE ANNEX BLDG	19 410 500003	312.50
Check Amount for LEFCON				1,364.50
PLATE CAPTURE SOLUTIONS, INC.				
2/18/2020	1372	2020 PCS-ALPR SUBSCRIPTION	19 410 500003	2000.00
Check Amount for PLATE CAPTURE SOLUTIONS, INC.				2,000.00
SUPERION, LLC				
2/18/2020	269353	ONE SOLUTION	19 410 500002	320.00
Check Amount for SUPERION, LLC				320.00
Report Total				3,684.50

TOWNSHIP OF ROSS

Sewage Payments

**Vendor Payments to be Approved
For Payment on February 18, 2020**

**Checks #3487 to #3490
In the amount of \$27,587.17**

FNB SEWAGE FUND**Ross Township**
Accounts Payable Check Run List

Page: 1

<u>Check Date</u>	<u>Invoice</u>	<u>Description</u>	<u>Accounting Distribution</u>	<u>Invoice Pay Amount</u>
<u>ALLEGHENY COUNTY TREASURER</u>				
2/18/2020	02062020	HOP FOR 2020 SANITARY SEWER REPAIR CONTRACT Pay:ALLEGHENY COUNTY TREASURER	08 430 311000	320.00
		Check Amount for ALLEGHENY COUNTY TREASURER		320.00
<u>CUES, INC.</u>				
2/18/2020	553617	FREIGHT CHGS	08 429 250000	44.93
		Check Amount for CUES, INC.		44.93
<u>LEFCON</u>				
2/18/2020	18-4533	HARDWARE/SOFTWARE DPW UPGRADES	08 429 750000	25165.92
		Check Amount for LEFCON		25,165.92
<u>WEST VIEW WATER AUTH</u>				
2/18/2020	020-20	SEWER BILLINGS FOR NOV, DEC 19 AND JAN 20	08 402 450000	2056.32
		Check Amount for WEST VIEW WATER AUTH		2,056.32
		Report Total		27,587.17

TOWNSHIP OF ROSS

Payroll Fund

**Payroll & Payroll Liabilities to be
Ratified for the period, January 20, 2020
through February 2, 2020.**

**Checks #3956 through #3972;
Direct Deposits; and
Wire Transfers
in the amount of \$309,787.85**

RESOLUTION NO. 2345

**ROSS TOWNSHIP
ALLEGHENY COUNTY, PENNSYLVANIA**

A RESOLUTION OF THE BOARD OF COMMISSIONERS OF THE TOWNSHIP OF ROSS, COUNTY OF ALLEGHENY AND COMMONWEALTH OF PENNSYLVANIA, ESTABLISHING THE WEEK OF APRIL 6-10, 2020 AS LOCAL GOVERNMENT WEEK.

WHEREAS, the citizens of the Township of Ross rely on local government to experience a high quality of life in our community; and

WHEREAS, local governments work 24 hours a day, seven days a week to deliver Municipal services such as Fire, Police, and Emergency Medical Services to create safe communities; and

WHEREAS, the methods of funding these vital Municipal services are not always clearly understood by citizens; and

WHEREAS, it is one of the responsibilities of Municipal Officials to ensure that Legislators, Media, and Citizens understand their local government through open and frequent communication using various avenues and means; and

WHEREAS, through education and awareness, citizens, community leaders, and municipal staff can work together to ensure that services provided by the Township of Ross can remain exceptional elements of the quality of life in our community; and

NOW, THEREFORE, be it resolved that the Township of Ross joins with the Allegheny League of Municipalities (ALOM) in declaring April 6th through April 10th, 2020, as Local Government Week.

BE IT DULY RESOLVED by the Board of Commissioners of the Township of Ross at a regularly convened meeting held on the 18TH day of FEBRUARY, 2020.

ATTEST:

TOWNSHIP OF ROSS:

**Ronald Borczyk
Manager/Secretary**

**Stephen L. Korbel, President
Board of Commissioners**

ORDINANCE NO. 2441

**TOWNSHIP OF ROSS
ALLEGHENY COUNTY, PENNSYLVANIA**

AN ORDINANCE OF THE TOWNSHIP OF ROSS, COUNTY OF ALLEGHENY, PENNSYLVANIA TO REZONE PARCEL 216-L-115, AS CREATED BY THE PURCELL PLAN AND RECORDED ON DECEMEBER 16, 2019 IN PLAN BOOK 303 PAGE 197, FROM AN R-2 TO AN R-3 ZONING DISTRICT FOR A FUTURE RESIDENTIAL DEVELOPMENT.

WHEREAS, Ross Township has received a request from the land owner to rezone a parcel 216-L-115 as created by the Purcell Plan of subdivision and lot consolidation, approved by the Township and recorded with the Allegheny County Department of Real Estate in Plan Book 303, Page 197; and

WHEREAS, the landowner has requested that said property be rezoned from an R-2 Zoning District to a R-3 Zoning District for the purpose of a future residential development; and

NOW THEREFORE, the Board of Commissioners of Ross Township, Allegheny County, Pennsylvania hereby ordains and enacts, repealing and replacing the referenced sections of the Zoning Map and to place all portions of said parcel in an R-2 Zoning District as shown in exhibit A and B.

SECTION 1:

Any ordinance or part thereof in conflict herewith, is hereby repealed to the extent of said conflict.

SECTION 2:

The amendments to this Ordinance shall take effect in accordance with applicable law.

ORDAINED AND ENACTED BY THE BOARD OF COMMISSIONERS OF ROSS TOWNSHIP THIS 18TH DAY OF FEBRUARY, 2020.

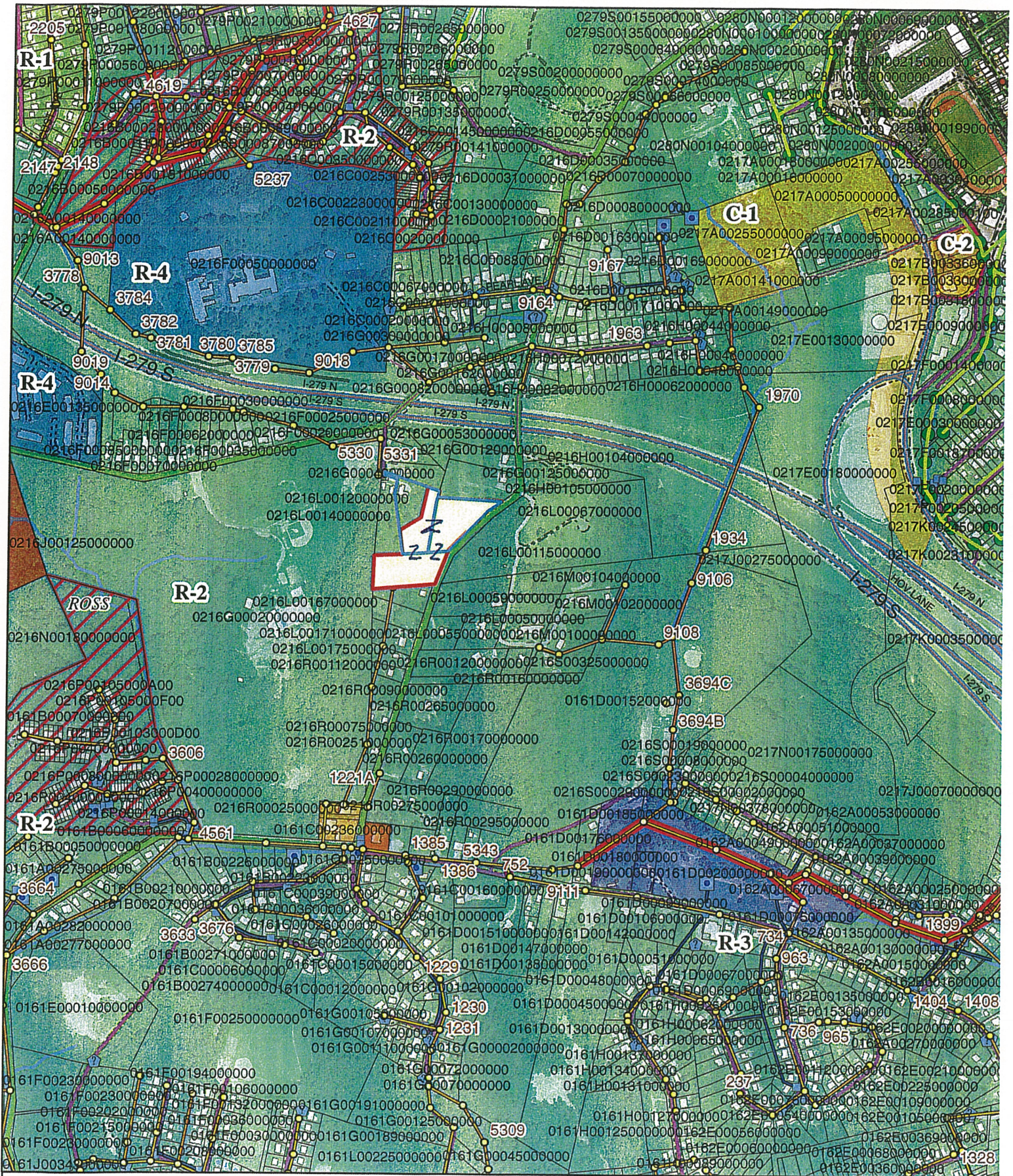
ATTEST:

TOWNSHIP OF ROSS

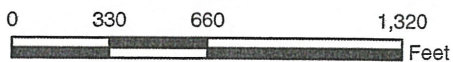
Ronald Borczyk
Manager/Secretary

BY: _____
Stephen L. Korbel, Esq.
President, Board of Commissioners

Exhibit A



Date: 4/4/2017



Ross Township
Request to Re-Zone to R3

NOTE: ALL SIGNATURES MUST BE MADE WITH A BLUE FELT TIP INK PEN!

We, Mark A. Purcell & Karen L. Purcell (deceased), owners of the land shown on The Purcell Plan, hereby adopt this as our plan of lots and irrevocably dedicate all streets and other property identified for dedication on the plan to the Township of Ross. This adoption and dedication shall be binding upon our heirs, executors, and assigns.

IN WITNESS OF WHICH, to this I set my hand and seal this 26 day of Nov, 2019

ATTEST:

Notary Public

Mark A. Purcell

Before me, the undersigned Notary Public in and for the Commonwealth of Pennsylvania and County of Allegheny, personally appeared the above named Mark A. Purcell & Karen L. Purcell (deceased), and acknowledged the foregoing adoption and dedication to be their act.

Witness my hand and notarial seal this 26 day of Nov, 2019

My commission expires the 7 day of Sept, 2025

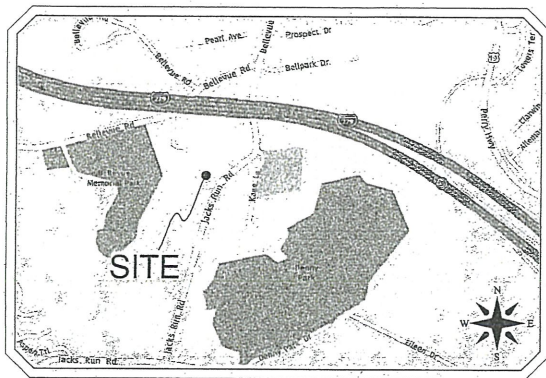
Commonwealth of Pennsylvania - Notary Seal
Joanne E. Braunlich, Notary Public
Allegheny County
My commission expires September 7, 2022
Commission number 1016490

Notary Public

We hereby certify that the title to the property contained in The Purcell Plan is in the name of Mark A. Purcell & Karen L. Purcell (deceased) and is recorded in deed book volume 5224, page 617, deed book volume 6610, page 528 & deed book volume 10136, page 147. We further certify that there is no mortgage, lien or other encumbrance against this property.

Witness

Mark A. Purcell



VICINITY MAP

The Township of Ross agrees not to issue building permits until the "Planning Module for Land Development" has been approved in accordance with the regulations of the Pennsylvania Department of Environmental Protection.

12-09-2019
Date

Municipal Official

Reviewed by the Allegheny County Department of Economic Development on this 13th day of December 2019

19-321
2658

Director

Recorded in the office of the Department of Real Estate of the County of Allegheny, Commonwealth of Pennsylvania, in Plan Book Volume 524, Page(s) 147.

Given under my hand and seal this 14 day of November, 2019.

Manager, Dept. of Real Estate

I, Lee A. Tait, certify that, to the best of my information, knowledge and belief the survey and plan shown hereon are correct and accurate to the standards required.

11-26-2019
Date

Lee A. Tait
Reg. No. SU 055571-E

I certify that this plan meets all engineering and design requirement of the applicable ordinances of the Township of Ross, except as departures have been authorized by the appropriate officials of the municipality.

12-3-2019
Date

Registered Professional Engineer
Ross Township Engineer
Reg. No. PE 062962

Reviewed by the Planning Commission of the Township of Ross, this 26th day of September 2019.

Secretary

Chairperson

Approved by the Board of Commissioners of the Township of Ross, by resolution this 21st day of September 2019.

Secretary

Chairperson/President

The Board of Commissioners of the Township of Ross gives notice that, in approving this plan for recording, the Township of Ross assumes no obligation to accept the dedication of any streets, land or public facilities and has no obligation to improve or maintain such streets, land or facilities.

Secretary or Manager

Head of governing body

Underground utilities have been plotted from available information and the locations must be considered approximate. Other underground utilities may exist which are not shown. It will be the contractor's responsibility to ascertain all physical locations of utility lines prior to the time of construction. In no way shall the contractor hold the surveyor responsible for any utility locations shown or not shown on this plan.

Pennsylvania legislation, act 38, requires notification to utility companies prior to any digging, drilling, blasting, or excavation. For location requests in the state of Pennsylvania call toll free.

1-800-242-1776

S/N: 20193021784

Notes:

1. Property subject to any issues that may be revealed by a current and complete title report. (None provided)
2. Declaration is made to the original purchaser of this survey. It is not transferable to additional institutions or subsequent owners. Copies of this plan without an impression seal are void and are for reference only.
3. Utilities shown for this survey must be considered approximate. Additional underground utilities may exist and their respective easements. A PA One-Call must be placed prior to any design or construction.
4. Property subject to current Township zoning ordinances.
5. Jacks Run Road is a County Road. A Highway Occupancy Permit will be required to access Lot 2 from Jacks Run Road.
6. The dwelling and shed are existing non-conforming structures.

R2 - 1 AND 2 FAMILY RESIDENTIAL (ENTIRE SITE ZONED R2)	
REQUIRED (SINGLE-FAMILY / DUPLEX)	
MIN. LOT AREA	6,500 / 5,000 SQ. FT.
MIN. LOT WIDTH	60 / 100 FEET
MAX. BLDG. HEIGHT	35 FEET
FRONT YARD	25 FEET
SIDE YARD	10 FEET
REAR YARD	30 FEET

LOT AREA TABULATION		
B&L: 216-L-115 EXISTING AREA 57,832.56 Sq. Feet 1.328 Acres	B&L: 216-L-120 EXISTING AREA 65,782.62 Sq. Feet 1.510 Acres	B&L: 216-L-160 EXISTING AREA 55,540.89 Sq. Feet 1.298 Acres
LOT 1 PROPOSED AREA 36,295.84 Sq. Feet 0.833 Acres	LOT 2 PROPOSED AREA 143,860.22 Sq. Feet 3.303 Acres	
TOTAL PLAN AREA: 180,156.06 Sq. Ft. 4.136 Acres		



OWNER:
MARK PURCELL
9 McILRATH ROAD
PITTSBURGH, PA 15229
412.952.0991

SURVEYOR:
TAIT ENGINEERING INC.
908 PERRY HIGHWAY
PITTSBURGH, PA 15229
412.364.6090

THE PURCELL PLAN
BEING A LOT LINE REVISION OF ALLEGHENY COUNTY
TAX PARCELS: 216-L-115, 120 & 160
SITUATE IN
ROSS TOWNSHIP,
ALLEGHENY COUNTY, PA.
MADE FOR
MARK PURCELL

Date: August 12, 2019
Scale: 1" = 50'
Drawn By:
Reviewed By: LAT
File Number: 34195
CAD File: 19.0185
Revisions:
October 29, 2019
November 22, 2019
November 26, 2019

Registered Surveyor
Reg. No. SU055571E

TAIT
ENGINEERING, INC.

908 Perry Highway
Pittsburgh, Pennsylvania 15229
tel: 412.364.6090
fax: 412.364.6716
e: taiteng@taitengineering.net

SP-19-5

P-214



ROSS TOWNSHIP
1000 Ross Municipal Drive
Pittsburgh, PA 15237
Phone: (412) 931-7055 Fax: (412) 931-3508

APPLICATION FOR SITE PLAN APPROVAL

PROPERTY INFORMATION

Property Address: 204 Cemetery Lane, Pittsburgh, PA 15237 Zoning District: R-1 Ward: _____
 Owners Name: North Side Catholic Cemetery Parcel Number: 218 A-1 A-100
 Address: 204 Cemetery Lane Phone: (412) 931-2206
 City: Pittsburgh State: PA Zip Code: 15237 Fax: () _____

APPLICANT INFORMATION

Name: North Side Catholic Cemetery
 Address: 204 Cemetery Lane Phone: (412) 931-2206
 City: Pittsburgh State: PA Zip Code: 15237 Fax: () _____

What is the applicant's interest in this application? ☒ Owner ☐ Agent ☐ Lessee ☐ Other _____

11/18/19

Date of Application

Signature

SITE PLAN INFORMATION

Present use of Property: Cemetery Lot size: 34.85 Acres or square feet
 Description of Proposed Project: Improvement of land in conjunction with previously approved lot consolidation.

Location of Proposed Site Plan (if different from property information): Same

STATEMENT OF TRUTH

COMMONWEALTH OF PENNSYLVANIA COUNTY OF ALLEGHENY

Deponent, being duly sworn, says they are the:

☐ Owner of record of the property for which this application is made, and that all the statements and data furnished with this application are true and correct. I am also aware that independent engineering review fees are my responsibility and an escrow account fee will be collected at time of application and may have to be replenished if all funds are exhausted.

☐ Authorized agent for the owner of record of the property for which this application is made and as such has express authority to bind such owner to all terms and conditions set forth by Ross Township pursuant to this application, and that all statements and data furnished with this application are true and correct. I am also aware that independent engineering review fees are my responsibility and an escrow account fee will be collected at time of application and may have to be replenished if all funds are exhausted.

Sworn to and subscribed before me this 19th day of November 2019.

Marguerite McNeil Notary Public Applicant (signature) Applicant (printed) MATTHEW J. CATALAN

DIRECTIONS FOR FILING

Twelve (12) collated sets and PDF file or TIF on a CD or flash drive of this application and all other pertinent information (survey, site plan, drawings, photographs, etc.) are required to be submitted to the Building Inspection/Zoning Department twenty-one (21) days prior to the Planning Commission meeting. All specifications/drawings must be prepared and sealed by a licensed professional engineer, architect or land surveyor. Please refer to the checklist on the reverse side of this application to insure proper submittals. Any information left blank on this application will result in your application being denied and returned to the applicant. Please note that the correct fee must be paid with your application.

ADDITIONAL INFORMATION

Following site plan submission and before the Planning Commission meeting, an independent engineering review will be conducted by a consultant hired by the Township at the applicant's expense. A copy of the Township's review comments will be sent to the applicant a few days prior to the Planning Commission meeting. The applicant must address these comments in writing and at the Planning Commission meeting. This application becomes null and void if no action by applicant has transpired after twelve (12) months of final approval by the Board of Commissioners.

FILING FEES BASED ON ZONING DISTRICTS

R-1 & R-2: \$100.00 per acre ≤ 10 acres, \$75.00 each additional acre >10: \$250.00 minimum; + \$2,000.00 escrow
 All Others: \$100.00 per acre ≤ 10 acres, \$75.00 each additional acre >10: \$350.00 minimum; + \$3,000.00 escrow

COMMONWEALTH OF PENNSYLVANIA

NOTARIAL SEAL

Marguerite McNeil, Notary Public
 City of Pittsburgh, Allegheny County
 My Commission Expires Nov. 9, 2020

MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

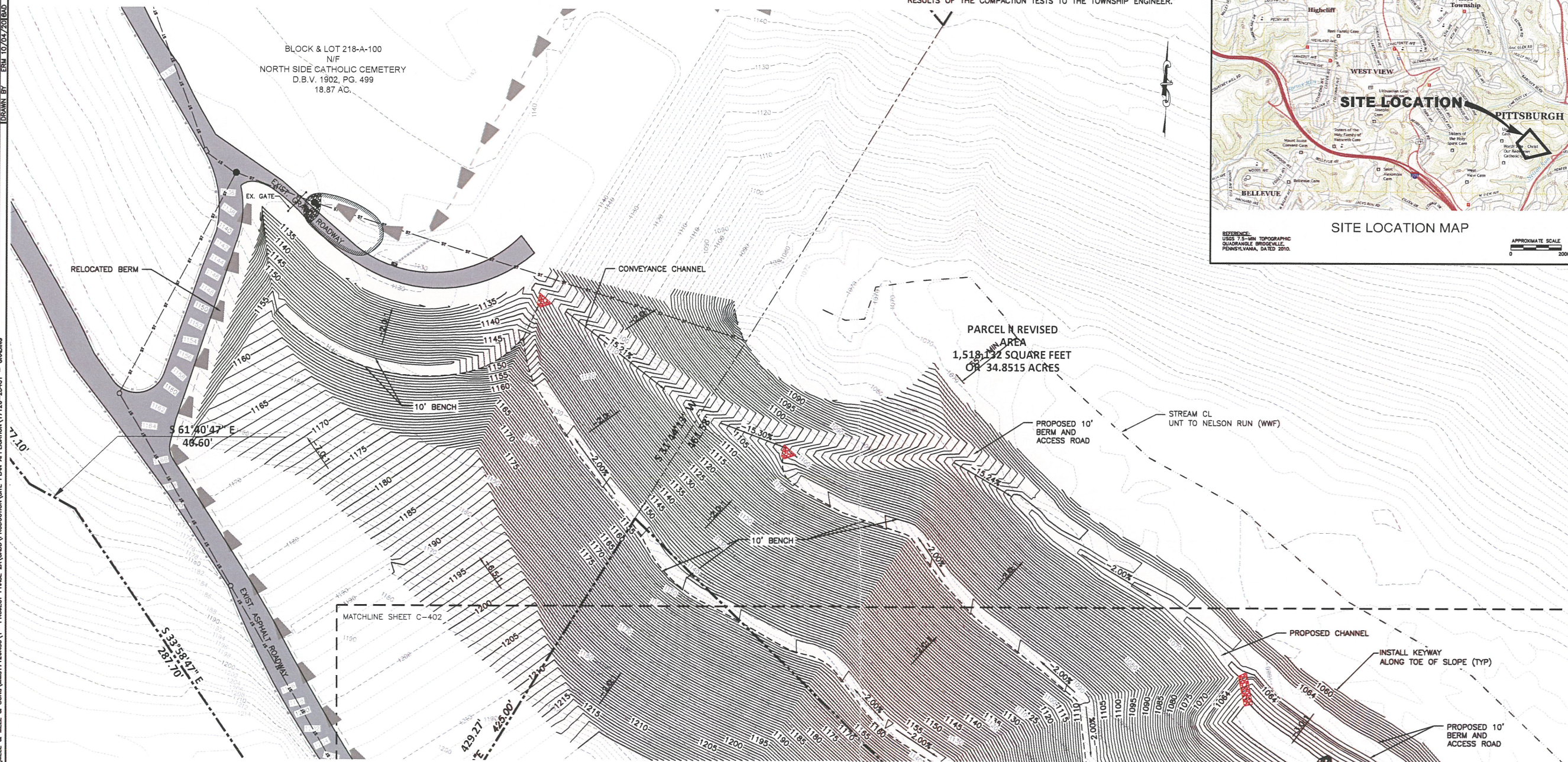
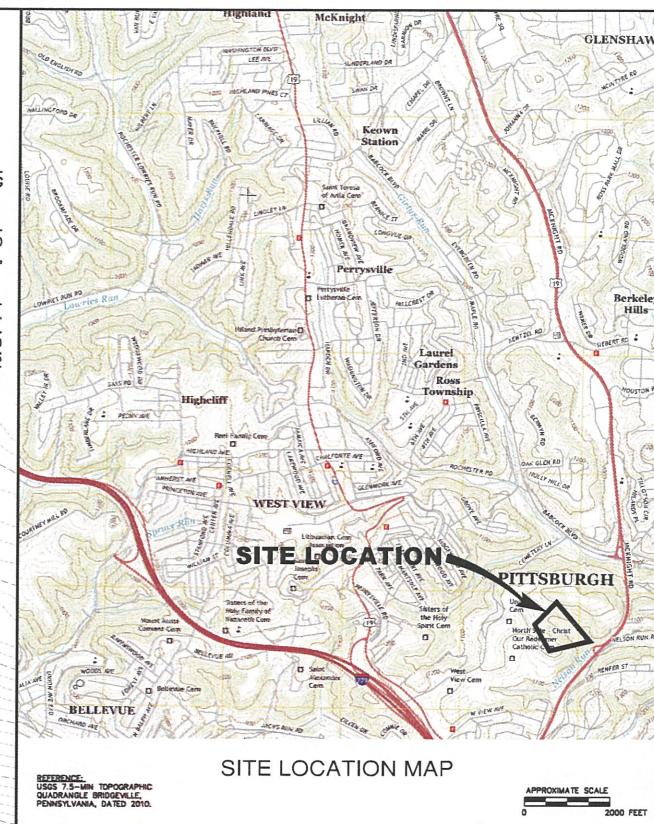
Totals				
	2d Area (Sq. Ft.)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
Total	410371.78	22254.18	124893.22	102639.04<Fill>

* Value adjusted by cut or fill factor other than 1.0

- | LEGEND | | | |
|---|--------------------------------|---|-------------------------|
|  | EXISTING MAJOR CONTOUR |  | NPDES BOUNDARY |
|  | EXISTING MINOR CONTOUR |  | DIVERSION BERM PHASE 1 |
|  | PROPOSED MAJOR CONTOUR |  | |
|  | PROPOSED MINOR CONTOUR |  | PREVIOUS NPDES BOUNDARY |
|  | |  | |
|  | EXISTING STORMWATER SEWER LINE |  | SOILS BOUNDARY LINE |
|  | EXISTING WATER LINE |  | RIPRAP APRON |
|  | STATE ROAD |  | ENDWALL |
|  | LOCAL ROAD |  | INLET |
|  | PROPERTY BOUNDARY |  | PROPOSED STORM PIPE |
|  | PROPERTY RIGHT-OF-WAY | | |
|  | SUBDIVIDED PROPERTY AREA | | |
|  | EXISTING TRAIL | | |
|  | EDGE OF EXISTING ROADWAY | | |
|  | PROPOSED UNDERDRAIN | | |

NOTES

1. ALL DEBRIS WHICH WILL BURN OR DECOMPOSE AND ALL TOPSOIL SHALL BE REMOVED FROM THE PROPOSED FILL AREA.
2. COAL, BONY, RED-DOG, EXPANSIVE SLAG, CINDERS, WOOD, TRASH, METALS, ORGANIC MATERIAL OR REFUSE SHALL NOT BE PLACED OR USE FOR FILL MATERIAL.
3. PROJECT AREA IS LOCATED IN ZONE AE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN BOUNDARY, FIRM MAP NO. 42003C0194H, BEARING AN EFFECTIVE DATE OF SEPTEMBER 26, 2014.
4. "OUTCROP OF REDBED AND ASSOCIATED ROCKS" & "SLOPES WITH SOIL CREEP," TAKEN FROM ROSS TOWNSHIP "LANDSLIDE FROM ARTIS AND STREAMS MAP". PREPARED BY THE GATEWAY ENGINEERS, DATED APRIL 10, 2014.
5. 'ALL FILLS SHALL BE COMPACTED TO PROVIDE STABILITY OF FILL MATERIAL AND TO PREVENT UNDESIRABLE SETTLEMENT OR SLIPPAGE. FILL SHALL BE COMPACTED USING MODERN METHODS AND EQUIPMENT. FILLS SHALL BE CONSTRUCTED UNDER THE SUPERVISION OF A QUALIFIED GEOTECHNICAL ENGINEER WHO SHALL CERTIFY, IN WRITING TO ROSS TOWNSHIP, AS TO THE ADEQUACY OF COMPACTION AND SHALL SUBMIT RESULTS OF THE COMPACTION TESTS TO THE TOWNSHIP ENGINEER.'



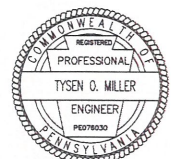
CALL BEFORE YOU DIG!



PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE IN CONSTRUCTION PHASE AND 10 WORKING DAYS NOTICE IN DESIGN STAGE TO "PENNSYLVANIA ONE CALL SYSTEM, INC." 1-800-242-1776.

PENNSYLVANIA ACT 187 (1996) NOTIFICATION OF EXCAVATORS.
DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S
SURFACE ANYWHERE IN THE COMMONWEALTH, CALL PENNSYLVANIA ONE
CALL SYSTEM, INC. AT 1-800-242-1776 BEFORE ANY DISTURBANCE.

ENGINEER



PREPARED BY:



KU Resources, Inc.
22 South Linden Street
Duquesne, PA 15110
412.469.9331
412.469.9336 fax
www.kuresources.com

PREPARED FOR

MELE & MELE & SONS, INC.
ONE MELE PLACE
BRADDOCK, PA 15104

PROJECT:

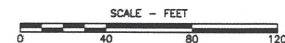
NORTH SIDE CEMETERY
PHASE 2
ROSS TOWNSHIP
ALLEGHENY COUNTY PA

DRAWING TITLE

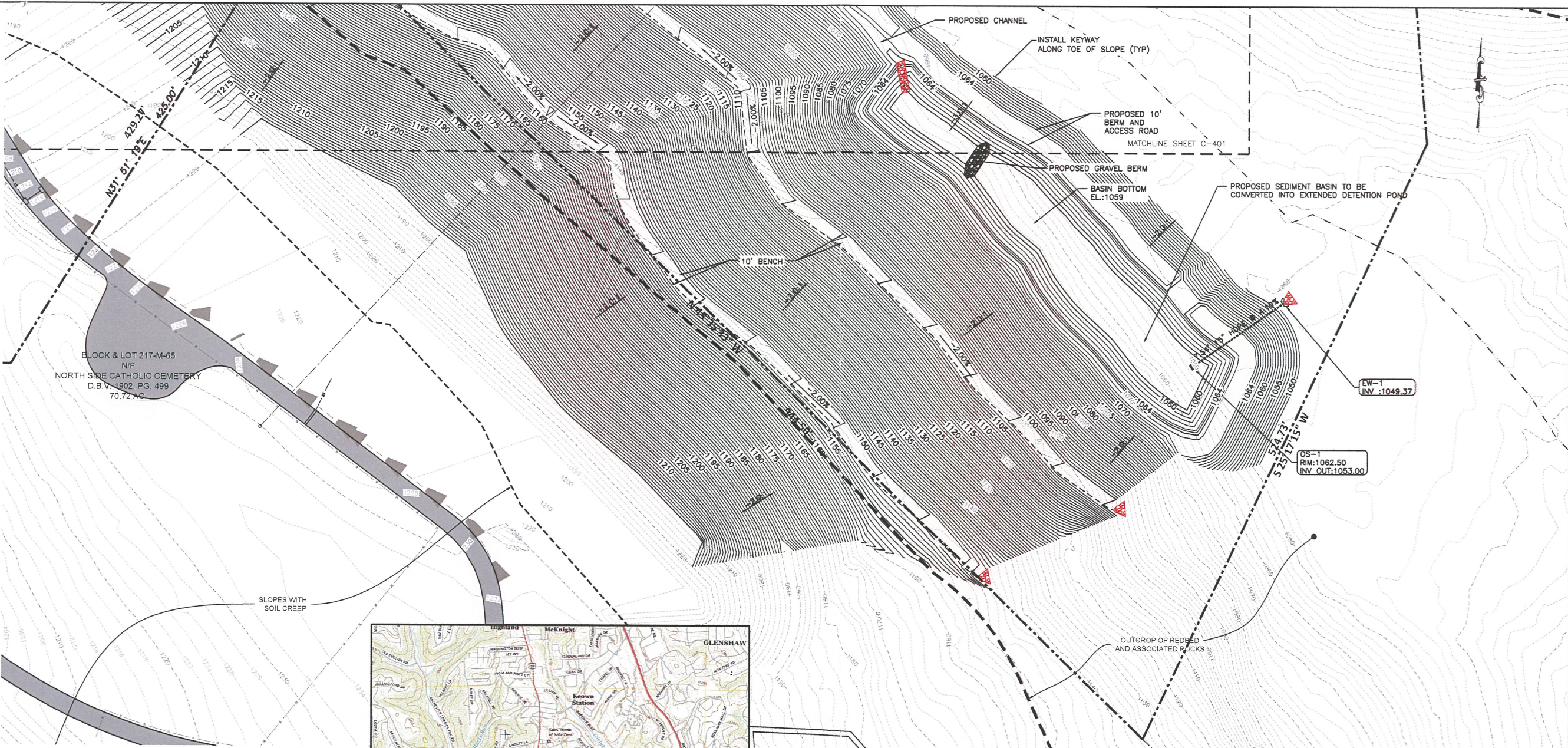
GRADING PLAN

SHEET NO.

C-401



DRAWN BY: ERM 10/04/2010 BAD FILE NUMBER 17128-20401 PROJECT NUMBER MMS 17128-1-1552



Volume Summary						
Name	Type	Cut Factor	Fill Factor	2d Area (Sq. Ft.)	Cut (Cu. Yd.)	Fill (Cu. Yd.)
VS P2A TO EG P2	full	1.000	1.000	410371.78	22254.18	124893.22
Totals						
Total				410371.78	22254.18	124893.22

Totals				
	2d Area (Sq. Ft.)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
Total	410371.78	22254.18	124893.22	102639.04<Fill>

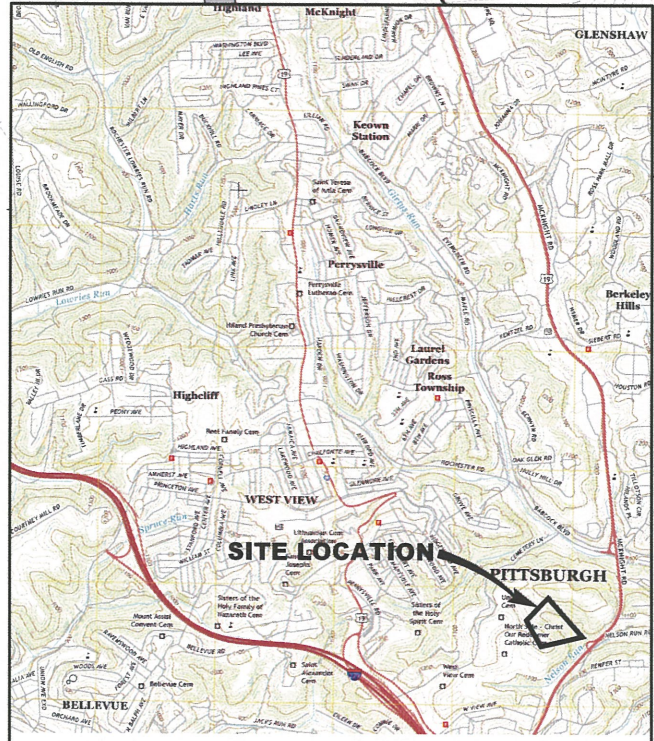
* Value adjusted by cut or fill factor other than 1.0

CALL BEFORE YOU DIG!



PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE IN CONSTRUCTION PHASE AND 10 WORKING DAYS NOTICE IN DESIGN STAGE TO "PENNSYLVANIA ONE CALL SYSTEM, INC." 1-800-242-1776.

PENNSYLVANIA ACT 187 (1996) NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE COMMONWEALTH, CALL PENNSYLVANIA ONE CALL SYSTEM, INC. AT 1-800-242-1776 BEFORE ANY DISTURBANCE.



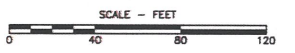
SITE LOCATION MAP

NOTES

- ALL DEBRIS WHICH WILL BURN OR DECOMPOSE AND ALL TOPSOIL SHALL BE REMOVED FROM THE PROPOSED FILL AREA.
- COAL, BONY, RED-DOG, EXPANSIVE SLAG, CINDERS, WOOD, TRASH, METALS, ORGANIC MATERIAL OR REFUSE SHALL NOT BE PLACED OR USE FOR FILL MATERIAL.
- PROJECT AREA IS LOCATED IN ZONE AE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN BOUNDARY. FIRM MAP NO. 42003C0194H, BEARING AN EFFECTIVE DATE OF SEPTEMBER 28, 2014.
- "OUTCROP OF REDBED AND ASSOCIATED ROCKS" & "SLOPES WITH SOIL CREEP", TAKEN FROM ROSS TOWNSHIP "LANDSLIDE PRONE AREAS AND STREAMS MAP". PREPARED BY THE GATEWAY ENGINEERS, DATED APRIL 10, 2014.
- "ALL FILLS SHALL BE COMPACTED TO PROVIDE STABILITY OF FILL MATERIAL AND TO PREVENT UNDESIRABLE SETTLEMENT OR SLIPPAGE. FILLS SHALL BE COMPACTED USING MODERN METHODS AND EQUIPMENT. FILLS SHALL BE CONSTRUCTED UNDER THE SUPERVISION OF A QUALIFIED GEOTECHNICAL ENGINEER WHO SHALL CERTIFY, IN WRITING TO ROSS TOWNSHIP, AS TO THE ADEQUACY OF COMPACTION AND SHALL SUBMIT RESULTS OF THE COMPACTION TESTS TO THE TOWNSHIP ENGINEER."
- ZONING CLASSIFICATION FOR THE SITE IS R-2.

LEGEND

- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING STORMWATER SEWER LINE
- EXISTING WATER LINE
- STATE ROAD
- LOCAL ROAD
- PROPERTY BOUNDARY
- PROPERTY RIGHT-OF-WAY
- SUBDIVIDED PROPERTY AREA
- EXISTING TRAIL
- EDGE OF EXISTING ROADWAY
- PROPOSED UNDERDRAIN
- NPDES BOUNDARY
- PREVIOUS NPDES BOUNDARY
- SOILS BOUNDARY LINE
- RIPRAP APRON
- ENDWALL
- INLET
- PROPOSED STORM PIPE



2

REVISED PER TOWNSHIP COMMENTS

JDC

10/25/19

1

REVISED PER NPDES COMMENTS

TOM

09/12/19

NO.

REVISION DESCRIPTION

DATE

APPROVED

CHECKED BY: TOM 07/03/2019

APPROVED BY: TOM 07/03/2019

REFERENCES:
BOUNDARY SURVEY BY:
RED SWING GROUP
Empire Building - Suite 100
3001 Jacks Run Road
McKeesport, PA 15131
412.678.4403 (office)
724.325.1215 (corporate)
DATED: APRIL 2017

TOPOGRAPHIC DATA:
PASDA

ENGINEER:

TYSEN O. MILLER
ENGINEER
PE#1027630

PREPARED BY:

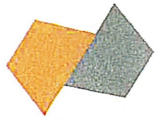
KU Resources, Inc.
22 South Linden Street
Duquesne, PA 15110
412.469.9331
412.469.9336 fax
www.kuresources.com

PREPARED FOR:
MELE & MELE & SONS, INC.
ONE MELE PLACE
BRADDOCK, PA 15104

PROJECT:
NORTH SIDE CEMETERY
PHASE 2
ROSS TOWNSHIP
ALLEGHENY COUNTY PA

DRAWING TITLE:
GRADING PLAN
SHEET 2 OF 2

SHEET NO.
C-402



February 12, 2020

Mr. Dominic Rickert, Ross Township Zoning Administrator
1000 Ross Municipal Drive
Pittsburgh, PA 15237

Re: Request for Modification of North Side Cemetery Project Phase 2
Township of Ross, Allegheny County
Grading Permit Submission

Dear Mr. Rickert:

KU Resources, Inc., on behalf of the North Side Catholic Cemetery, is hereby clarifying the modification request from Ordinance §9-110.5.A. in support of the previously submitted grading permit and land development application, pursuant to §22-308. (Please note, that the requested modification was recommended for approval by the Planning Commission on January 23, 2020.)

The maximum steep slopes allowed in the Ordinance is further characterized by potential landslide prone areas as depicted on regional literature. The subject property has increased from 86.92 acres to 104.73 Acres, of which 28.32 acres is steep slopes. The total cumulative disturbed steep slope area within the potential landslide prone area is 5.43 acres (19.1%), which is greater than the 5% threshold in the Ordinance. The total disturbed steep slope area is 8.62 Acres, or 30.4% of the steep slopes, which is more than the 15% threshold of the Ordinance. (Note that the cumulative effects reference the previously approved modification.)

There is an undue hardship here created with the literal enforcement of section 9-110.5.B, because the remaining portions of this property are predominantly located in steep slope areas, and this would render them permanently undevelopable. Many of the steep slope areas are also rendered undevelopable due to their presence within various landslide prone overlays. This modification is thus hereby requested due to particular site conditions pertaining to the work area on this property.

This modification, if granted, does not pose additional risk to, and will not be contrary to, the public interest, given its location, and the purposes and intent of the Township's Ordinances will be observed. Furthermore, the proposed work will alleviate existing site conditions, such as saturation and prior historical fill, and in fact result in an improved slope condition overall on the property. We believe that the geotechnical investigation conducted and the resulting engineering design will mitigate any potential issues related to grading with the proposed placement of fill, which will improve and stabilize the slopes, and is the minimum modification necessary.

Please let us know if you have any questions or concerns.

Respectfully submitted,

Tyson O. Miller, P.E., LEED AP, CPESC
Engineering Manager

TOM:wmv

Enclosures

cc: Matthew Bagaley, Gateway Engineers



KU Resources, Inc.

Innovative Solutions, Outstanding Support.

www.kuresources.com

December 18, 2019

Mr. Dominic Rickert
Zoning Administrator
Ross Township
1000 Ross Municipal Drive
Pittsburgh, PA 15237

Re: Request for Modification
North Side Cemetery Project Phase 2
Township of Ross, Allegheny County
Grading Permit Submission

Dear Mr. Rickert:

KU Resources, Inc., on behalf of the North Side Catholic Cemetery, is hereby requesting a modification from Ordinance section §9-110.5.A. in support of the previously submitted grading permit application.

The maximum steep slopes allowed in the Ordinance is further characterized by potential landslide prone areas as depicted on regional literature. The subject property has increased from 86.92 acres to 104.73 Acres, of which 28.32 acres is steep slopes. The total cumulative disturbed steep slope area within the potential landslide prone area is 5.43 acres (19.1%), which is greater than the 5% threshold. The total disturbed steep slope area is 8.62 Acres, or 30.4% of the steep slopes, which is more than the 15% threshold. Note that the cumulative effects reference the previously approved modification.

We believe that the geotechnical investigation conducted and the resulting engineering design will mitigate any potential issues related to the proposed placement of fill.

Please let us know if you have any questions or concerns.

Respectfully submitted,

Tysen O. Miller, P.E., LEED AP, CPESC
Engineering Manager

TOM:cak

Enclosures

cc: Matthew Bagaley, Gateway Engineers



February 11, 2020

C-34708-0003

MEMO TO: Ron Borczyk, Township Manager
Dick Hadley, Interim Township Manager
Steve Korbel, Township Commissioner
Dan Demarco, Township Commissioner
Dominic Rickert, Director of Community Development
P.J. Murray, Esquire

FROM: Matthew E. Bagaley, P.E. *MEB*

SUBJECT: Grading Plan for North Side Cemetery – Phase 2
Grading Plan G-121

cc: Alexandra Harmon, Secretary
Richard Minsterman, P.E., Township Engineer
Joshua Scanlon, E.I.T., Project Engineer
Tysen Miller, P.E., KU Resources

As requested, we have reviewed the grading permit resubmission documents for the North Side Cemetery received at the Planning Commission meeting on January 23, 2020 prepared by KU Resources, Inc. in compliance with the Ross Township Grading and Excavating Ordinance and the Stormwater Management Ordinance. The property is zoned R-2.

We have received the following plans and materials:

- E&S Plans & Report / Module with revision date January 22, 2020
- PCSM Plans & Report / Module with revision date January 22, 2020
- Bond Estimate

Chapter 9 – Grading and Excavation Comments:

1. *Section 9-110.5A through D* – A note must be placed on the plan denoting the modification received to this section of the ordinance. Provide information regarding the date the modification was granted and the details of the modification. Please add the modification information to the cover sheet and Sheet C-409.
2. Please omit sheets C406-C408A from the plan set.
3. Please review the grading plan as there are a few areas that appear to be in excess of 2H:1V slope. Please adjust or provide documentation from the geotechnical engineer that these slopes are supported by his investigation.

4. *Section 9.112.1.B & Section 9.112.3*—Surface waters should be directed away from the sloping face of the fill slope. Either the grading plan will be required to be revised in accordance with this section or a modification requested by the Applicant.
5. *Section 9-106.2* - A cost estimate for bonding the proposed work has been provided and will be reviewed under separate cover.

Erosion and Sediment Control Comments

1. Please ensure all seed mixtures are represented on the E&S detail sheet.
2. The proposed trap shown on the plan was approved as part of Phase I of the grading. Please remove the detail from this plan set Sheet C303A.

Chapter 23 - Stormwater Management Comments

1. The detail of the PCSM outlet structure must be updated to match the PCSM report. Orifice elevation and pipe slope of basin outlet barrel is inconsistent between plans and Hydraflow report for 15" pipe.
2. The baffle design information should be added to the detail on Sheet C303A.
3. *Section 23-104.3.E.(6).(f)* – Provide energy dissipation details.
4. *Section 23-104.3.E.(11)* – A detail for the fence shall be provided.
5. Conveyance channel calculations reference a different project (Noralco – Lincoln Road Site). Please revise. In addition, please provide drainage area maps for proposed channels.
6. *Section 23-104.3.F.(2)* – Channels must be designed with 1ft of freeboard.
7. The one-year storm does not meet 95% release rate requirement for sub area 18 of the Girty's Run watershed.

General Comments

1. All plans shall be required to be signed and sealed. The geotechnical components of the design shall be signed and sealed by a geotechnical engineer.
2. The landscape plan provided dated January 23, 2020 is hereby considered part of this plan and shall be required to be installed as a part of this project. Details for planting of the trees shall be provided.

3. The applicant must enter into a Stormwater Management Agreement with the Township. The applicant must clearly state on the Agreement that all maintenance and ownership responsibilities of the stormwater facilities shall remain private.
4. An NPDES permit major modification to the approval received on September 30, 2019 will be required for this project. Please forward upon receipt.
5. The Applicant shall provide a geotechnical certification upon completion of construction from the geotechnical engineer indicating that the development was constructed according to the Geotechnical Report recommendations and that the material placed was clean fill and is stable. In addition, copies of the geotechnical inspection records shall be provided to the Township.
6. § 9-118 Upon completion of grading, the engineer of record will be required to provide as-built plans, sealed by the applicant's engineer, to the Engineer in both hard copy and digital format.
7. The Township may have additional comments.

The plans have been reviewed for conformance to the Ross Township Codes only. Gateway Engineers reserves the right to provide further and additional comments on the submitted plans upon the request of Ross Township. The review has been based on surveys and drawings prepared by others and assumes this information is correct and valid as submitted.



January 23, 2020

Joshua M. Scanlon, E.I.T.
Gateway Engineers
100 McMorris Road
Pittsburgh, PA 15205-9401

Re: Response to Comments
3rd Technical Review – Revised Grading Permit Application
Grading Plan for North Side Cemetery – Phase 2
Ross Township, Pennsylvania

Dear Mr. Scanlon:

We are in receipt of your comments regarding the review of the above-reference project. These were received via email on November 13, 2019. We offer the following responses to each of the comments below on a point-by-point basis:

Chapter 9 – Grading and Excavation Comments

Comment 1: Slope Map: On the steep slopes plan, provide the ordinance requirements versus what the plan is providing. There should be a column for overall property area, disturbed area, and %. The requested modification does not line up with the slope maps provided.

Response: Sheet C-409 has been provided to include these values.

Comment 2: Section 9.112.1.B – Provide details/notes to ensure that runoff is not being directed to the sloping face of the fill – A modification for this section is required.

Response: A modification to Section 9.112.3 is being requested for this project. Erosion control blanket calculations are included to ensure the sloping face of the fill will be adequately protected from surface runoff.

Comment 3: Keyway drain locations need to be shown on the plans and cross sections, and verified that they daylight within the LOD. Also, show the benching and keyway locations on the cross sections, including the drains.

Response: Keyway drain locations will be coordinated with the site geotechnical engineer during construction and a note detailing this condition has been added to the cross-section plans. Benching and keyway locations have been shown on the cross sections where necessary. The keyway drain is shown on each necessary cross section.

Comment 4: Update earthwork cost to a more reasonable value (\$1.50/CY seems light)

Response: The unit cost of \$1.50/CY was garnered from both a local contractor and industry published documents. We contacted a contractor with a history of performing jobs of this nature, who may perform the work, as well as referenced RSMeans Heavy Construction Cost Data to ensure the presented unit cost of \$1.50/CY was reliable for earthwork of this nature and scale.

Erosion and Sediment Control Comments

Comment 1: RCE-1 does not look like it lines up with how traffic will flow through phase 2. It may need expanded or re-aligned. The existing access road is drawn through the temporary sediment trap, please revise. Please clarify that temp. sediment pond is not intended for use in phase 2.

Response: The temporary sediment pond will remain until the upstream portion of the site from Phase 1 is stabilized. A compost filter sock sediment trap will be utilized Phase 2 to manage sediment from the additional proposed grading. The access road is no longer present and has been removed from the plans. Site access is now around the sediment pond, and this access aligns with the direction of RCE-1. The LOD has been expanded to show room for site access.

Comment 2: E&S report is required including but not limited to compost filter sock calcs (existing & proposed conditions), channel designs for channels and benches, sed. basin calcs, etc. CFS are drawn over top of the proposed fill, please revise.

Response: CFS locations have been revised to not be over the proposed fill. A copy of the E&S Module with necessary calculations which will be submitted to the county for the NPDES Permit Application is attached.

Comment 3: Will the placement of stockpile #2 cause increased loading on the existing fill that is sliding. Is this being accounted for?

Response: The location of stockpile #2 has been moved to the east. This location is far enough away from the area of fill that is sliding and will not cause additional loading, per the site Geotechnical Engineer.

Comment 4: Flow from proposed bench underdrains will not reach sediment basin in E&S or PCSM phase. A revised outlet location or channel will be required to direct flow to the pond.

Response: A channel has been added to the edge of the proposed grading to ensure the flow from proposed bench underdrains will reach the sediment basin. Calculations for this channel are included with the E&S Module.

Comment 5: Clarify the drainage area getting to the basin. C303A indicated a DA of 1.3AC, PCSM indicates a DA of 10.33 AC.

Response: The drainage area on C303A is in reference to the existing sediment trap. The detail has been revised to show it is the existing trap from Phase 1. The drainage area for the proposed sediment basin is 9.4 acres and has been updated accordingly.

Comment 6: Clarify the sed. trap detail on C303A and its interaction with the 36" pipe. Does this situation apply to this phase? Also, clarify the use of a trap or basin. It appears the DA is over 5 AC.

Response: This sediment trap is from Phase 1 and is shown on the plans due to it still being active for Phase 1 operations. There are no changes to this trap from the previously approved Phase. Drainage area for this trap is 1.3 acres.

Comment 7: Rip-Rap channel detail is shown on C303. Are these used anywhere? Please show on plans.

Response: The channel at the base (Channel 1) of the fill directing the majority of runoff to the pond is a proposed riprap lined channel. The channel along the edge of the fill (Channel 2) to



capture water from the bench undrains is also a proposed riprap channel. Riprap is not shown on the plans to avoid the plans being too busy; however, the channels are called out with labels as “proposed rock-lined channel”. The proposed size of riprap for the channels is indicated with the Channel Detail.

Comment 8: Provide a profile for the existing 36" pipe and show proposed fill and any keyways or benches. Ensure keyways will not conflict with existing pipe.

Response: The location of the existing 36" pipe has been shown on applicable cross sections. Phase 1 operations in this area have been completed and did not impact the pipe. For Phase 2, additional fill will be placed to tie in to this area and impacts to the pipe are not anticipated.

Chapter 23 – Stormwater Management Comments

Comment 1: Clarify basin DA. PCSM report, pg. 7, table 7-1 has a different DA than the post DA map.

Response: The drainage area on the Post Development Map has been revised to show 9.4 Acres.

Comment 2: A detail for PCSM outlet structure is required.

Response: A PCSM Outlet Structure Detail has been added to sheet C-503.

Comment 3: Basin is labeled as extended detention basin, but modeled as wet pond. Is it intended to drain? Provide infiltration testing and calcs to verify that basin dewater in 24-72 hrs.

Response: The basin has been revised to be modeled as an extended detention basin. No infiltration is proposed; infiltration testing is not required. Dewatering calculations have been included with this submission.

Comment 4: Provide details and calcs for anti-seep collars, energy dissipators, and emergency spillway.

Response: Details are provided with the NPDES Modules.

Comment 5: Fencing is required if slope is greater than 4H:1V.

Response: A proposed fence is shown around the proposed pond.

General Comments

Comment 1: An NPDES major modification to the approval received on Sept. 30, 2019 is required.

Response: An NPDES major modification is in progress and will be submitted to the Allegheny County Conservation District for review. Approval will be forwarded once it is received.

Comment 2: An ICE survey has been submitted as part of a joint permit application. Please verify if this is part of this phase

Response: The joint permit is not part of this phase. The ICE survey was performed during a previous conceptual phase when a Joint Permit was anticipated.



Comment 3: Geotechnical certification, inspection reports, testing results, and as-builts will be required upon project completion.

Response: Noted.

If you have any further comments or questions, please contact our office at your earliest convenience.

Respectfully submitted,



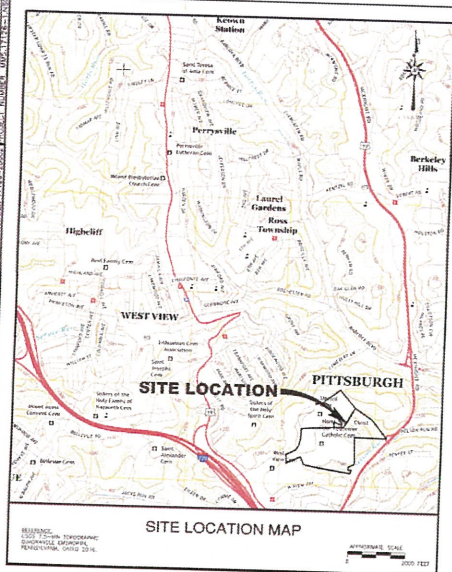
Tysen O. Miller, P.E., LEED AP, CPESC
Engineering Manager

TOM:cak

Enclosures

cc:





EROSION & SEDIMENTATION CONTROL PLANS

NORTH SIDE CEMETERY PHASE 2

LOCATED IN
ROSS TOWNSHIP
ALLEGHENY COUNTY
PENNSYLVANIA

FOR
NORTH SIDE CATHOLIC CEMETERY
204 CEMETERY LANE
PITTSBURGH, PA 15237



SHEET INDEX

SHEET NUMBER	DRAWING TITLE
ESTTL	EROSION & SEDIMENTATION CONTROL TITLE SHEET
C-101 - C-102	EXISTING CONDITIONS PLANS
C-301 - C-302	EROSION & SEDIMENTATION CONTROL PLANS
C-303	EROSION & SEDIMENTATION CONTROL DETAILS
C-303A	EROSION & SEDIMENTATION CONTROL DETAILS
C-304 - C-306	EROSION & SEDIMENTATION CONTROL TEXT

CALL BEFORE YOU DIG!



PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE IN CONSTRUCTION PHASE AND 10 WORKING DAYS NOTICE IN DESIGN STAGE TO PENNSYLVANIA ONE CALL SYSTEM, INC. 1-800-242-1776.

PENNSYLVANIA ACT 187 (1998) NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE COMMONWEALTH, CALL PENNSYLVANIA ONE CALL SYSTEM, INC. AT 1-800-242-1776 BEFORE ANY DISTURBANCE.

NO.	REVISION DESCRIPTION	DATE	APPROVED BY
4	REVISED PER TOWNSHIP COMMENTS	01/22/20	JOC
3	REVISED PER TOWNSHIP COMMENTS	12/20/19	JOC
2	REVISED PER TOWNSHIP COMMENTS	10/25/19	JOC
1	REVISED PER TOWNSHIP COMMENTS	09/12/19	TOM
NO.	DATE	APPROVED BY	

ENGINEER



PREPARED BY:



PREPARED FOR:

MELE & MELE & SONS, INC.
ONE MELE PLACE
BRADDOCK, PA 15104

PROJECT:

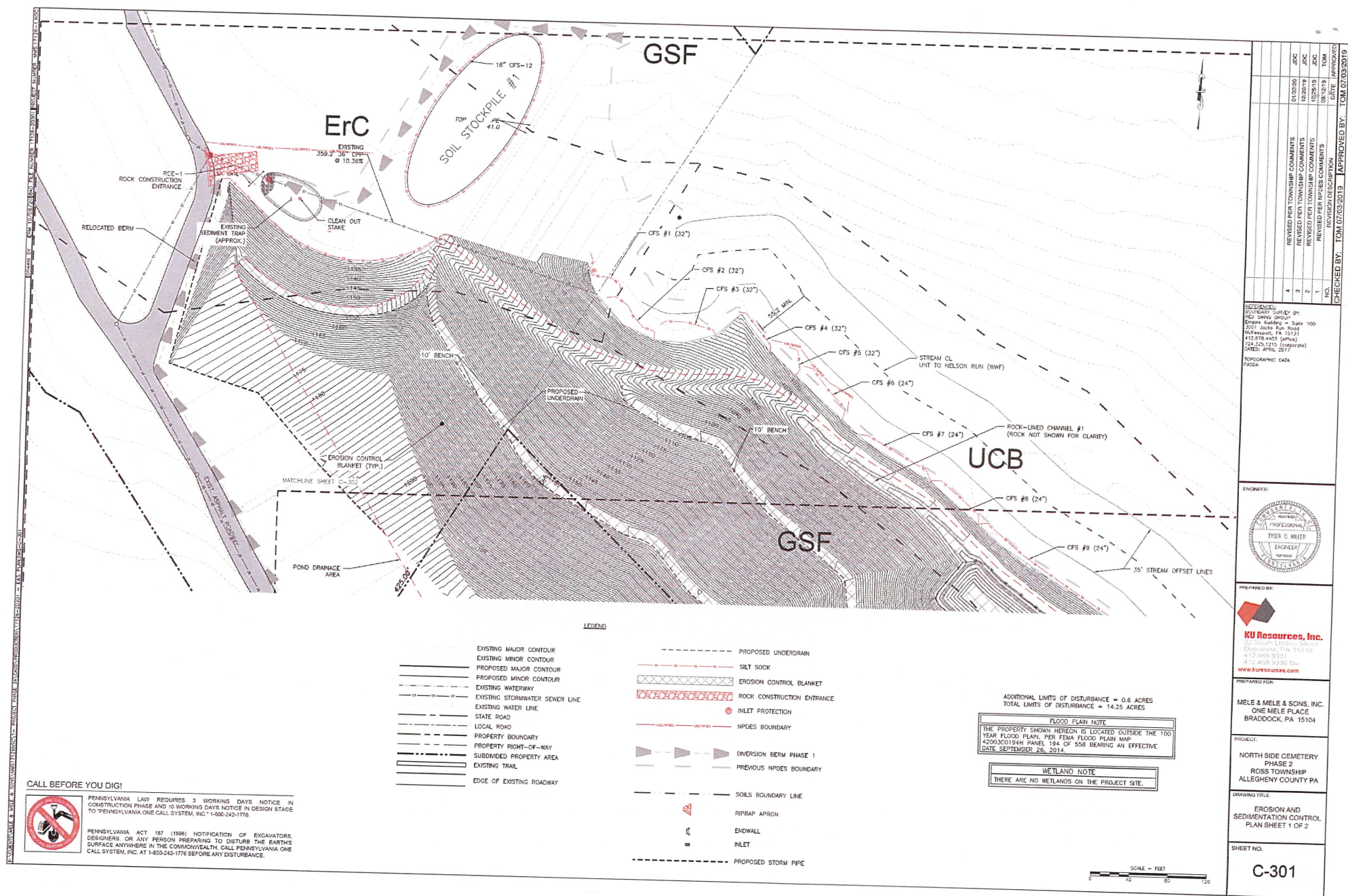
NORTH SIDE CEMETERY
PHASE 2
ROSS TOWNSHIP
ALLEGHENY COUNTY PA

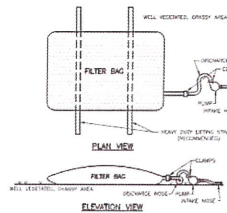
DRAWING TITLE:

EROSION & SEDIMENTATION
CONTROL TITLE SHEET

SHEET NO.

ESTTL





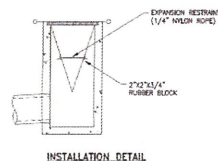
PRIORITY	TEST METHOD	MINIMUM STANDARD
AVG. BULK WIDTH STRENGTH	ASTM D-4834	60 lb/in
GRAB BURST	ASTM D-4632	205 lb
PUNCTURE	ASTM D-4833	110 lb
MULLER BURST	ASTM D-5786	250 psi
UV RESISTANCE	ASTM D-4352	70R
WAS IS RETAINED	ASTM D-4751	80 SIEVE

BAGS SHALL BE LOCATED IN WELL-VEGETATED (DRY) AREA, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5% FOR SLOPES EXCEEDING 5% CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-SWELLING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE EXPOSURE.

THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATED AND SKEWERED.

PUMPED WATER FILTER BAG
NOT TO SCALE

PUMPED WATER FILTER BAG
NOT TO SCALE

[illegible]

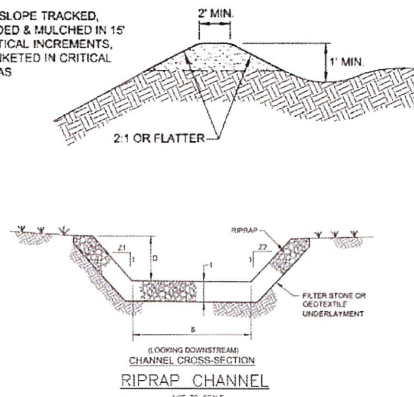
FILTER BAG INLET PROTECTION

[illegible]

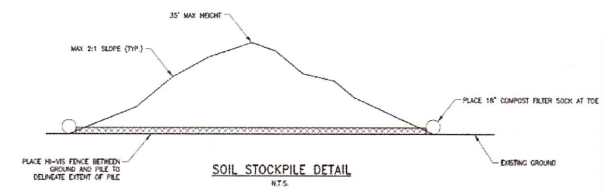
The blanket shall be stapled in accordance with the manufacturer's recommendations.

363-2134-008 / March 31, 2012 / Page 274

FILL SLOPE TRACKED,
SEEDED & MULCHED IN 15'
VERTICAL INCREMENTS,
BLANKETED IN CRITICAL
AREAS



CHANNEL INFORMATION				
CHANNEL	BOTTOM WIDTH (FT)	DEPTH	SIDE SLOPES (Z)	RIPRAP SIZE
CHANNEL #1	4	1	3	R-4
CHANNEL #2	4	1	2	R-6



NATURAL TYPE	3 mil HDPE	3 mil HDPE	3 mil HDPE	MULTI-LAYERED POLYETHYLENE (MPEP)	HEAVY DUTY MULTI-LAYERED POLYETHYLENE (HDPEP)
BASE FIBER	PHOTODEGRADABLE	PHOTODEGRADABLE	PHOTODEGRADABLE	PHOTODEGRADABLE	PHOTODEGRADABLE
SOCK DIMENSIONS	12" x 12"	12" x 12"	12" x 12"	12" x 12"	12" x 12"
SOCK TENSILE STRENGTH	10" 25" 24"	8" 25" 24"	8" 24" 24"	8" 24" 24"	8" 24" 24"
SOCK TENSILE ELONGATION	376"	376"	376"	376"	376"
TEAR RESISTANCE	20 gsm	20 gsm	20 gsm	44 gsm	102 gsm
ULTRAVIOLET STABILITY IS REQUIRED	235 at 1000 h	235 at 1000 h		1500 at 1000 h	1070 at 1000 h
SOCK TENSILE STRENGTH (ASTM D-1505)					
WEAR RESISTANCE	6 MONTHS	6 MONTHS	6 MONTHS	1 YEAR	2 YEARS

TWO-PLY SYSTEMS

INNER BAGGAL NET
 NON-DEGRADABLE BOUND
 FUSION-WELDED ANCHURES
 3/4" x 3/4" MAIL ANCHORS, MAX

OUTER FILTRATION MESH
 COMPOSITE POLYMERIZATION FABRIC
 UNIDEN LAYERED AND NON-WOVEN FLEECE
 MECHANICALLY FUSED BY HEAT AND PRESSURE
 3/4" x 3/4" MAIL ANCHORS, MAX

SOCK FABRICS COMPOSED OF BURLAP MAY BE USED ON PROJECTS LOCATED IN AREAS OR STATES

ORGANIC MATTER CONTENT	20% = 100% (BY WEIGHT BASIS)
ORGANIC PORTION	FIBROUS AND ELONGATED
pH	5.5 - 8.5
MOISTURE CONTENT	30% - 60%
PARTICLE SIZE	3/8" - 2" PASS THROUGH 2" SIEVE
SOLUBLE SALT CONCENTRATION	5.0 mg/l (maximum/100 ml) MAXIMUM

NO.	REVISION DESCRIPTION	DATE	APPROVED BY:
4	REVISED PER TOWNSHIP COMMENTS	01/20/20	JTC
3	REVISED PER TOWNSHIP COMMENTS	12/20/19	JDC
2	REVISED PER TOWNSHIP COMMENTS	10/23/19	JDC
1	REVISED PER HPD'S COMMENTS	09/12/19	TOM
	REVISION DESCRIPTION	DATE	APPROVED BY:
			TOM 07/03/2019

ENGINEER



PREPARED BY:



KU Resources, Inc.
Geographical: PA, NJ, IL, IN
412.405.3531
412.405.3530 fax
www.kuresources.com

PREPARED FOR:

MELE & MELE & SONS, INC.
ONE MELE PLACE
BRIDGECROFT, PA. 15104

PROJECT:

**NORTH SIDE CEMETERY
PHASE 3
ROSS TOWNSHIP
ALLEGHENY COUNTY PA**

DRAWING TITLE:

**EROSION AND
SEDIMENTATION CONTROL
DETAILS**

SHEET NO.

C-303

NOTE: Provide safe and secure pedestrian and vehicular traffic circulation throughout the entirety of the construction sequence with well-defined construction boundaries to be accessed by construction personnel only. All erosion control measures to be thoroughly inspected by the Contractor upon the completion of each workday and maintenance activities to be performed as needed. The Contractor shall obtain a permit from the local authority. The Contractor must review the approved National Pollutant Discharge Elimination System permit and sign the permit to accept responsibilities as the co-permittee.

The construction sequence is a complete schedule of installation and removal of E&S control measures as they are required for the construction activities. The project has been broken into manageable steps to limit the area of disturbance and the time of soil exposure as little as possible and still allow the Contractor the ability to perform the necessary activities safely and efficiently. The Construction Sequence shall be as follows:

1. A copy of the approved drawings (stamped, signed, and dated by the reviewing agency) must be available at the project site.
2. At all times before starting any earth disturbance activities, the owner and/or operator shall invite all contractors involved in those activities, at appropriate municipal offices, the ESSA control plan preparer, and a representative of the Allegheny County Conservation District to an on-site pre-construction meeting.
3. At least 3 days before starting any earth disturbance activities, all contractors involved in those activities shall notify the Pennsylvania One Call System Incorporated at 1-800-242-1176 for the location of existing underground utilities.
4. All earth disturbance activities shall proceed in accordance with the sequence provided on the plan drawings. Deviation from that sequence must be approved in writing from the Local Conservation District and the PACEP project engineer.
5. Cleaning, grubbing, and stripping shall be limited to those areas described in each stage of the construction sequence. General site cleaning, grubbing, and stripping may not commence in any stage or phase of the project until the ESS best management practices (BMPs) specified by the Construction Sequence and that stage or phase have been installed and are functioning as disclosed in this document.
6. Within 24 hours upon discovering unforeseen circumstances posing the potential for accelerated erosion and/or sediment pollution, the operator shall implement appropriate BMPs to minimize the potential for ESS pollution and notify the Allegheny Conservation District and/or the regional office of the ESSA control plan preparer.
7. The contractor is responsible for ensuring that the proposed on- or off-ESS controls are installed as per plan, prior to the beginning of grading or excavation up until removal.
8. At grounds disturbed by any of the operations necessary to complete the work for this project are to be disturbed, or if sediment, or if silt, sand, or debris, or any other material is displaced or placed, shall be accomplished as soon as possible after construction and not later than four (4) days. If seeding cannot be completed within the four (4)-day period due to weather conditions, the disturbed area shall be mulched with straw or the rate of 3 tons/acre. This straw shall be anchored with mulch netting and secured with manufacturer's recommendations or other appropriate means. Temporary seeding will be applied to protect exposed soil surfaces that will not be permanently protected for a period more than four (4) days.

1. Estimated project start and finish dates are Fall 2019 – Fall 2020, after all permits and approvals are obtained.
2. Stakeout limit of disturbance/construction limits: The excavation of material, casting of material, operation of construction equipment, construction activities, etc. shall not extend beyond the limit of disturbance line.
3. Maintain inlet protection from previous phase and maintain temporary sediment traps until upgradient areas are stabilized. See Plan.
4. Maintain rock construction entrances, RCE-1 and RCE-2, from previous phase, at the locations shown on the plan. Vehicles and equipment may enter directly from the existing cemetery drives to the fill site.

NOTE: Compost filter socks need to meet the following standards:

Organic Matter Content	25% - 100% (dry weight basis)
Organic Portion	Fibrous and elongated
pH	5.5 - 8.5
Moisture Content	30% - 60%
Particle Size	30% - 50% pass through 38" sieve
Soluble Salt Concentration	5.0 dS/m (mmhos/cm) Maximum

6. Install compost filter stockpile at the following location and as shown on the plans:
 - a. Around topsoil stockpile and other areas as directed in the field.
7. Once all EAS controls have been established, the remainder of the site can be cleared and grubbed, as necessary. No organic material is to be buried on site. Upon completion or temporary cessation of the earth disturbance activity, the project site shall be stabilized.
8. Stockpile aggregate material stockpile 15 feet. Stockpile slopes must be 2H:1V or flatter. Stockpile area with minimum 18" compost filter stockpile. NOTE: Temporarily crushed aggregate stockpile areas can be shifted, as needed, during site construction but the Contractor is to ensure stockpiles will be surrounded by 18" compost filter stockpile at all times.

1. Begin additional clearing and grubbing as needed for the fill area.
2. Construct berm, conveyance channel and sediment pond per the plans.
3. Begin importing fill to topsoil stockpile areas.
4. Install keyway and embankment benches.
5. Construct fills on the project site to plan specifications.
6. Areas where construction activity has ceased for four (4) days or longer shall be seeded and mulched per the temporary seeding specification.
7. Restore areas disturbed by construction related activities to existing grades and seed per permanent seeding specifications.
8. Reseed and mulch areas in which vegetation has not been established.
9. Install permanent seeding and mulching to all disturbed areas by the end of the day in which final grade is achieved.
10. Remove temporary erosion and sediment pollution control measures only when disturbed areas have achieved a minimum uniform 70% perennial vegetative cover.
11. Begin conveyance of sediment pond to extended detention basin: See PCS2M Sequence of Construction for more detail.
12. Upon removal of temporary E&S control measures, restore areas around removed controls, if necessary. Remove all temporary BMP materials and debris from the site and properly dispose of to an approved disposal site.

2. Material to be maintained for dust control by use of a cover or other methods approved by the PADEP.
3. The Contractor shall be responsible and ensure that proper mechanisms are in place to control waste materials. Construction wastes include, but are not limited to, excess soil materials, building materials, and debris, etc. It is the responsibility of the contractor to ensure that measures shall be planned and implemented for housekeeping materials management, and silt control, wherever possible; recycling of excess materials is preferred, though than disposal.
4. Sediment tracked onto any public roadway or sidewalk shall be returned to the construction site by the end of each work day and disposed in the manner described in this plan. In no case shall the sediment be washed, hosed, or blown off into the roadway, sidewalk, or water.
5. In the event of rain, allow standing water to settle prior to pumping. Utilize the pumping systems to pump polluted water per requirements. Allow only clean water to be discharged from the Site. Silt adhering to the machinery should be cleaned and dried prior to incorporation into the work/road procedures. Adequacy of the erosion control plan to be determined by the on-Site Geotechnical Engineer.
6. The contractor responsible for testing that any material brought on site is Clean Fill. Form PP-001 must be retained by the property owner for all material affected by a spill or release of a regulated substance but qualifying as Clean Fill due to analytical testing.
7. Definition of Clean Fill: uncontaminated, non-water soluble, non-decomposable, inert, solid material. This includes soil, rock, alone, surface materials, used asphalt, and brick, block, or concrete from construction and demolition sites, provided that it is not contaminated by any of the materials listed above. It does not include material placed in or on the surface waters unless otherwise authorized, milled asphalt, or asphalt that has been processed for re-use.
8. Definition of Environmental Due Diligence: Regarding clean fill, investigative techniques, including but not limited to, preliminary sampling, site characterization, records searches, review of property ownership, review of project use history, Standard Fire Insurance maps, aerial/satellite photographs, questionnaire, transaction screens, analytical testing, environmental assessments, or audits.
9. All pumping of water from any work area shall be done according to the procedure described in this plan, over undisturbed vegetated areas.
10. All erosion control measures are required to reduce erosion, sloughing, settlement, subsidence, or other related problems. Fill intended to support buildings, structures, and conduits, etc., shall be compacted in accordance with local requirements or codes. All fills shall be placed in compacted layers not to exceed 3 inches in thickness. Fill materials shall be free of frozen portions, brush, roots, soil, or other foreign or objectionable materials that would interfere with or prevent construction of satisfactory fills. Frozen materials or debris, lumps, highly compressible materials shall not be incorporated into fills. Fill shall not be placed on saturated or eroded surfaces.
11. Seeps or springs encountered during construction shall be handled in accordance with standard and specification for subsurface drain or other approved methods.
12. All building materials and wastes must be removed from the site and recycled or disposed in accordance with Department of Solid Waste Management and Environmental Protection Code Chapter 260 §260.1 et seq., 271.1, and 287.1 et seq. No building materials or wastes or unused building materials shall be burned, bled, dumped, or discharged at the site.
13. All off-site waste and borrow areas must have an ERS plan approved by the Allegheny County Conservation District or PADEP if/when implemented prior to being activated.
14. The contractor shall be responsible for ensuring that the contractor must provide an ERS control plan to the Allegheny County Conservation District, as well as the County Conservation District maintaining jurisdiction of the disposal area. Removal of sediment from ERS control amenities must be undertaken upon reaching sediment stage elevation, as shown on details and per requirements of the PADEP.
15. Any changes to ERS control measures and/or points of discharge must be approved by the Allegheny County Conservation District.
16. All ERS control measures are to be installed in the locations noted on the plans and installed as per the specification located on the ERS detail sheets and in the plan narrative.

All grounds disturbed by any of the operations necessary to complete the work for this project are to be permanently seeded, or if specified, sodded, unless occupied by structures or paved. This is to be accomplished as soon as possible after construction and not later than four (4) days. If seeding cannot be completed within the four (4)-day period due to weather conditions, the disturbed area shall be mulched with straw at the rate of 3 tons/acre. This straw shall be anchored with much netting according to the manufacturer's recommendations or other appropriate means. Temporary seeding will be used to protect exposed land surfaces that will not be permanently protected for a period more than four (4) days. Temporary vegetation will provide short-term, rapid cover until permanent vegetation or other protection can be established.

1. **TEMPORARY GRASS COVER**
The purpose of temporary cover is to provide short-term, rapid cover for the control of runoff and erosion until permanent vegetation or other stabilization material can be established. Temporary cover shall be applied on all sediment-producing areas where the period of exposure will be more than four (4) days. The temporary grass cover shall consist of PennDOT Formula E and shall be applied at a rate of 10 pounds (lbs) per 1,000 square yards.

The site preparation and establishment of temporary cover shall be conducted according to the following guidelines:

- a. Install needed surface water control measures.
- b. Perform all cultural operations at right angles to the slope.
 - c. Apply ground limestone according to test or at the rate of 800 lbs per 1,000 square yards.
 - d. Apply uniformly recommended analysis fertilizer according to soil test or 50-50-50 at a rate of 140 lbs per 1,000 square yards.
 - e. Work in lime and fertilizer to a depth of 4 inches using any suitable equipment.
- f. Temporary cover seed mixture shall consist of 100% annual ryegrass. Seed shall be applied uniformly at the rate of 8 lbs per 1,000 square yards.
- g. Cover grass seed with 1/2 inch of soil with suitable equipment.

Temporary grass cover shall be established in the following areas:

- a. Where soil stockpiles are to be exposed for a period greater than twenty (20) days, the stockpile shall be seeded. When the soil stockpile will be exposed for a period greater than two (2) days, but less than twenty (20) days, the stockpile shall be covered with mulch or protective erosion control fabric.
- b. Waterways or roadside ditches shall be seeded along the bottom, sides, and 3 ft above and below the waterway.

- c. Where disturbed land surfaces will not be permanently protected for a period of more than ten (10) days.

Materials (Permanent)

- a. ... and dijectorite, organic material, stones, other inorganic material more than two inch (2") in any dimension, limit; and all materials unsuitable or harmful to plant growth.
- b. Lime shall be pulverized agricultural limestone containing a minimum of eighty-five percent (85%) total carbonates, ground so that at least ninety percent (90%) passes a No. 20 sieve and at least fifty percent (50%) passes a No. 100 sieve.
- c. Commercial fertilizer shall be analyzed by analysis of 10-20-20 analysis delivered in bags showing weight analysis and manufacturer's name. Availability of the various elements shall conform to the standards of the Association of Official Agricultural Chemists.
- d. Slow-release Nitrogen Fertilizer shall conform to Publication 4, Section 804 2 (a) 3.
- e. Clean and fresh grass seed shall be premixed packed in sealed bags with inspection tag showing net weight, composition of mix, rate of germination tests, and supplier's name.
- f. Grass seed formula, as described in Publication 408, Section 504 2 (1) 2, shall be as follows:
1. For all areas made the construction area, except slopes 3:1 or greater or receiving other surface treatment; for slopes 3:1 or greater, Birdseye Triolol will be used.
- g. Mulch shall be straw as described in Publication 408, Section 805 26 1 c.

a. Topsoil

1. Apply topsoil to all areas to be turfed except slopes 2:1 or greater.
 2. Prepare areas to receive topsoil by loosening soil to a depth of two inches (2").
 3. Remove stone and other foreign material two inches (2") or larger.
 4. Spread and compact to a uniform six (6) inch depth. Compact with a roller, weighing not over one-hundred twenty pounds (120 lbs) per foot of roller, or by other acceptable methods.
 4. Excess topsoil, if any, shall become the property of the Owner. Contractor shall stockpile and stabilize as directed by the Engineer.
- b. Lime and Fertilizer
1. Apply pulverized agricultural limestone according to test or at a rate of 800 lbs per 1,000 square yards.
 2. Apply 10-20-20 analysis commercial fertilizer according to test or at a rate of 140 lbs per 1,000 square yards.
 3. Work lime and fertilizer into soil to a depth of at least two inches (2") by raking, discing, or harrowing.
 4. In the absence of a soil test, lime shall be applied at a rate of 6 tons per acre, and fertilizer shall be applied at a rate of 1,000 lbs per acre of 10-20-20.
- c. Seeding
1. Apply seed uniformly at the rates specified below. Use suitable mechanical spread or sowing by hand. Hydroseeding will be permitted, and is recommended for this project.
 - a. Rate of application for PennDorf Formula B grass seed shall be 21 lbs per 1,000 square yards.
 - b. Rate of application for Birdseed Trefoil grass seed shall be 10 lbs per 1,000 square yards.
 2. Contractor shall have the choice of the time during which he will seed, and shall be responsible for obtaining a satisfactory catch of grass, as hereinafter specified.
- d. Mulching
1. Apply wood fiber mulch within 48 hours after seeding, and at a minimum rate of 160 lbs per 1,000 square yards.
 2. Apply wood fiber mulch hydraulically in accordance with the manufacturer's tank-mixing instructions. It may be incorporated as an integral part of the slurry after the seed and soil supplements have been thoroughly mixed. Apply uniformly at the rate of 320 lbs per 1,000 square yards, unless otherwise specified.
 3. If hydroseeding is not used, place clean straw mulch within 48 hours after seeding at a minimum rate of 3 tons per acre.

NOTE: PER ROSS TOWNSHIP ORDINANCE SECTION 23-104.5.I, SEEDING SHALL TAKE PLACE EITHER BETWEEN APRIL 1 AND MAY 15 OR BETWEEN SEPTEMBER 1 AND OCTOBER 15. PLANTING AREAS SHALL BE SOAKED TO MAINTAIN A CONSISTENT LEVEL OF MOISTURE FOR AT LEAST FOUR TO SIX WEEKS AFTER PLANTING. FOR SEEING RECOMMENDATIONS, REFERENCE THE DEP'S E&S POLLUTION CONTROL PROGRAM MANUAL.

NO.	REVISION DESCRIPTION	DATE	APPROVED
4	REVISED PER TOWNSHIP COMMENTS	01/22/2019	JDC
3	REVISED PER TOWNSHIP COMMENTS	10/20/2019	JDC
2	REVISED PER TOWNSHIP COMMENTS	10/03/19	JDC
1	REVISED PER NJDES COMMENTS	08/12/19	TOM
CHECKED BY:	TOM 07/03/2019	APPROVED BY:	TOM 07/03/2019

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PREPARED FOR

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ONE MELE PLACE
BRADDOCK, PA 15104

PROJECT:
NORTH SIDE CEMETERY
PHASE 2
ROSS TOWNSHIP
ALLEGHENY COUNTY PA

DRAWING TITLE:

EROSION AND
SEDIMENTATION CONTROL
NOTES SHEET 1

SHEET NO.

C-304

Construction activities are projected to start in the Fall of 2019, after all permits and approvals are obtained. Earthwork activities will not commence until all appropriate EAS control features have been correctly installed and inspected. Actual installation schedule will be at the discretion of the Earthwork Contractor, based upon the overall contractual work schedule.

The Contractor shall perform the following general earthwork activities during the performance of the work, to enhance the performance of the E&S control system and facilities:

- In general, the grade shall slope away from the installation or existing structures of safe low lying vegetation. Those areas which are not occupied by structures or pavement shall be thoroughly loosened by harrowing or disking and then tamped by hand. All stones over 2 inches, rubbish, or debris shall be removed. Crushed aggregate shall not be uniformly spread in piles and distributed by an approved method.
- If the Contractor borrows or fills material outside the work area, he shall notify the Local County Conservation District in writing five (5) days prior to the start of the borrow or fill operation. Also, prior to disposing excess earth outside the work area, the Contractor shall notify the Local County Conservation District. The Contractor is responsible for obtaining all permits and approvals required for disposing or borrowing from outside of the work area.
- Disposal of Excess Material – Disposal of excess material resulting from proposed construction will be the responsibility of the Contractor. Excess material includes but may not be limited to, material resulting from embankment cuts and fills; material deemed by the Engineer to be unsuitable for use as backfill material; excavated pavement material; material removed from the course of solid rock; material removed from exposed surfaces, and excavated areas lying (replaced) with a rock/riprap lining. The Contractor shall secure an approved off-site waste area for disposal of these materials.
- Contractor's Assembly/Stock Yard – The Contractor shall be responsible for securing and maintaining an assembly/stock yard for storing equipment and materials for use on this project. If necessary, All such areas secured by the Contractor shall have their own EIS control plans submitted to the Local County Conservation District for review and approval. The Contractor is responsible for obtaining necessary approvals and/or permits for the use of the stock yard. The Contractor shall be responsible for securing such areas in accordance with all permits, rules and regulations of all agencies having jurisdiction over the same.

The Contractor shall perform their work in accordance with the following special guidelines in addition to the normal Site activities. To enhance the performance of the E&S control system and features:

The Contractor shall perform their work in accordance with the following special guidelines in addition to the normal Site activities. To enhance the performance of the E&S control system and features:

- Minimize the area and time of exposure.
- Install temporary or permanent measures to control stormwater runoff in order to protect soil based by construction.
- Soil EKS shall be controlled during actual earth moving activities by placing compost filter sock on the low side of the limited area to be disturbed, prior to engaging in any such activities.
- The Contractor will be responsible for installing and maintaining temporary erosion controls for all disturbed areas on this project in accordance with this report and the EKS Pollution Control Plans and Details provided in the Contract Documents.
- Dewatering/Excavations – The Contractor will at all times, when necessary, or when so directed by the Engineer or Site Auditor, provide and maintain a sufficient successful and adequate pumping equipment, or fill points to draw earth excavations in such manner as to permit successful installation of the proposed improvements. Pump discharge from dewatering operations shall not be allowed to flow directly into a stream unless the discharge is completely free of sediment. Discharge shall be directed into a filter bag. The Contractor shall position the filter bag so that the water (leakage out of the basin & flow through a graded area, will be directed as a vegetative area. This bag is temporary and will be replaced prior to draw allowing area. After dewatering is completed, the bag should be emptied and the sediment properly disposed on site and stabilized.
- *Incidental Stormwater Management Situations – In situations where unanticipated stormwater runoff induces excess erosion in the active or idle area, soil EKS situations created by this water (which naturally flows across, over, and/or through areas disturbed by construction) will be controlled by the use of straw bale barriers, or compost filter sock placed along the contour, and in accordance with the temporary erosion control details for disturbed areas, perpendicular to parallel to the ground slope. Unnatural flow will be abated or controlled to distribute runoff evenly across EKS.*

WASTE MANAGEMENT AND RECYCLING

Construction site wastes must be properly managed and disposed to reduce potential for pollution to surface and ground waters as per 25 P.S. Code 102.4(b)(5)(xi). Proper trash disposal, recycling of materials, proper materials handling, and spill prevention and clean-up to reduce the potential for construction site wastes to be mobilized by storm water runoff and conveyed to surface waters. All applicable federal, state, and local laws and regulations must be followed in the use, handling, and disposal of potentially hazardous materials.

Since heavy equipment will be used during construction of the cuts and fills and for the proposed project, a Pollution Prevention and Contingency (PPC) plan will be available on site and upon the Department or conservation district request. The contractor will address the storing, using, or transporting materials onto, on, or from the project site during earth disturbance activities. In addition, the contractor will be responsible for the following:

- It shall be the responsibility of the contractor to comply with FDEP and applicable local, state and federal regulations including, but not limited to, the manner, direction and condition of the waste disposal facility chosen by the contractor.
- All non-hazardous construction wastes which are permitted to include excess paving material, soil material, concrete, masonry, shingles, pieces of pipes, forms, packaging, etc., unusable material and garbage shall be hauled off the site and disposed of at an approved location in compliance with all local, state, and federal regulations.
- Recycling efforts at the site consists of crushing concrete debris discovered during excavation and either incorporating it into fill or using it as aggregate material. Existing demolished concrete shall be broken into pieces acceptable for fill specified categories and sized as necessary or hauled away to an approved location.
- All off-site waterborne areas shall be approved by ACD.
- Contractors will have a designated person assigned to instruct, observe, and enforce work crew members on proper materials storage and handling procedures.
- Contractors will have spill kits present at the site to address any spills and leaks from equipment.
- Equipment, leaks will be repaired upon observation.
- Fuel will be provided on an as-needed basis by a local vendor. Equipment will be fueled in a designated area assigned by the Contractor.
- Any fuel stored on site will be stored in a maximum 500-gallon double-walled portable tank.
- Gasoline and oil (fuels) are limited to Portland cement which will be delivered to the site and stored on site.
- 8/24/2016 10:00 AM

- A port-a-john will be placed in the vicinity of the construction trailer, and maintained by a local vendor.
- General trash and refuse will be managed in a designated container, and will be transferred to a trash box located on the site for ultimate management/disposal.

Inspection and maintenance of the E&S control features will be conducted as follows:

Inspection and maintenance of the E&S control features will be conducted as follows:

- **Damaged filter socks** should be inspected on at least a weekly basis, as well as after each rainfall event, to ensure that they are intact and the area behind the sock is not filled with sediment. If there is excessive ponding behind the filter sock or accumulated sediment reaches the top of the sock, an additional sock should be added on top or in front of the existing filter sock. In these areas, without disturbing the sock or accumulated sediment, the filter sock should be inspected after each storm event. The contractor should consider installing an additional filter sock on top of the original, placing an additional filter sock further up the slope, or using an additional BMP, such as a compost blanket in conjunction with the filter sock(s).
- **Damaged compost filter socks** should be repaired according to manufacturer's specifications or replaced within 24 hours of inspection.
- **Biodegradable filter socks** shall be replaced after six (6) months, plus/minus proportionally between one (1) year. While the filter sock is being replaced, the contractor should follow the manufacturer's recommendations.
- A stockpile of AASHTO #1 rock shall be kept on site for the purpose of constantly maintaining the minimum thickness of the rock construction entrances. At the end of each construction day, any sediment deposited on public road ways shall be removed and returned to the construction site. Washing of the roadway area if water will not be permitted.
- **Low flow filter socks** should be inspected on a weekly basis, and after each runoff event. The low-flow filter bags should be cleaned and/or replaced when the bag is half full and damaged parts should be replaced by the end of the construction day. The filter bags should then become larger than 150 Microns.
- **Pumped water filter bags** shall be replaced when they trap particles half full. Spare bags shall be kept available for replacement of those that have failed or are filled.
- **Sediment-baden bags** must be disposed at a permitted solid waste management facility. If active wet areas exist on the site, the sediment may be removed prior to bag disposal, if use in the fill area does not affect the quality of the construction.
- **Grossen control blankets** that are damaged or displaced shall be restored or replaced within 14 calendar days.
- **Accumulated sediment** deposits that are removed from all BMPs, shall be disposed by spreading out and using today and then mixed into 18" mulch and walked on site.
- **Stabilization traps** shall be inspected after each rainfall event. A clean out station shall be placed near the center of each trap. Accumulated sediment shall be removed once it reaches the clean out station on the stake and the trap restored to its original dimensions.
- **All areas and spots** damaged or gullied or otherwise in need showing a catch of grass shall be reseeded. This operation shall be repeated until a complete coverage is obtained. Seeded areas shall be kept moist until the grass has germinated. Once perennial grass is established, mowing will be required on areas where weeds are smothering new grass seedlings.
- **Remove debris and sediment** from diversion berms when he height reaches 1/3 the height of the berm. Ensure the berm has been adequately compacted.
- A log show ing dates that **EBS BMPs** were inspected, as well as any deficiencies found and the date they were corrected, shall be maintained on the site and be made available to regulatory agency officials at the time of the final stormwater management report.
- After final site stabilization has been achieved, temporary erosion and sediment BMPs shall be removed or converted to permanent post construction stormwater management BMPs. Any areas disturbed during the BMP maintenance or removal activities shall be restored and/or stabilized immediately.
- **Temporary EBS controls** for improved surfaces shall be left in place until such time that permanent controls (paving, grass, etc.) are installed. **Temporary EBS controls** for unpaved surfaces shall remain in place until the site is

The temporary E&S controls for improved surfaces shall be left in place until such time that permanent controls (paving, riprap, etc.) are installed. Temporary E&S controls for unimproved surfaces shall remain in place until the site is stabilized.

PROPOSED EROSION AND SEDIMENTATION CONTROLS

Erosion and sedimentation will be controlled during the construction using the permanent and temporary controls described in the previous sections.

Installation of the site BMPs shall be as specified in the Sequencing of Construction. No earthmoving activities shall fall outside of the construction limits or limit of disturbance. The contractor shall maintain, improve, and/or replace E&S

controls as necessary to meet the requirements of this plan. Remove temporary E&S control measures only when disturbed areas have been stabilized, as defined by a minimum uniform 70% perennial vegetative cover. Restore areas around removed controls.

Perimeter control will be established using the specified sediment barrier where indicated. Thermal impacts are not anticipated for this project since no impervious surfaces will be created and since the proposed filter strip and meadow will allow water to cool before it reaches the existing stream.

All controls will be inspected weekly, and especially during and after rainfall events. Any damaged or unsatisfactory controls will be maintained or replaced. The Contractor must retain records of maintenance logs and inspection reports for the EAS control measures at the site. Logs should utilize DEP Form 3150-FM-BWE-M0083 dated 2/2012 and kept on site at all times. The Contractor shall comply with the maintenance schedule shown on plans, and shall immediately rectify any non-compliance issues cited by inspection reports(s).

EROSION AND SEDIMENT CONTROL PLAN: This "Erosion and Sediment Control Plan" has been prepared in response to and in accordance with certain rules and regulations promulgated by the Pennsylvania Department of Environmental Protection (PADEP). The follow up procedures and all requirements of the Specifications are contractual obligations of the Contractor performing the actual construction work. Said requirements also apply to any and all subcontractors working on the project. After award of the Contract and prior to the written Notice to Proceed, the Contractor shall schedule a meeting with the Allegheny County Conservation District for the review of this Erosion and Sediment Pollution Control Plan.

At such time, the Contractor shall review, in detail, the final standards and specifications concerning cover requirements, perimeter sediment barrier location, and any other such items as may be required to complete the Contract work in accordance with the rules and regulations of that agency, and in accordance with the law, s, rules, and/or regulations of all other authorities having jurisdiction over the required construction work. Private contractors will be used to complete the project. It will be the responsibility of the Contractor to provide satisfactory soil erosion and sediment pollution controls and to satisfy requirements of the regulatory bodies.

The Contractor is responsible for having an approved E&S control permit for any off-site borrow area locations, if fill is necessary. If off-site disposal is required, disposal must occur in a landfill approved by the Pennsylvania Department of Environmental Protection (PADEP). Proof of these permissions must be provided upon request. It is anticipated that the

cut/fill quantities for this site will balance, therefore no material borrow/wasting areas are anticipated to be required.

The contractor shall minimize soil compaction by clearly staking out the proposed limits of disturbance and maintain all construction activities within that boundary. The limits include shall be outside of existing drainage swales, where present, as per the attached plans. Care should be taken to avoid vehicle and construction traffic in the area of proposed post-construction stormwater management BMPs. Refer to the sequence of construction for detailed steps which will help minimize the extent and duration of earth disturbance activities. Refer to the proposed control features for those erosion and sediment control BMPs that will prevent or eliminate accelerated erosion and runoff.

Rock is assumed to be relatively shallow at between 14" and 80" deep. The proposed project is not anticipated to encounter unique geologic conditions. Should unforeseen geologic or other conditions arise that could cause the potential for runoff or pollution, the appropriate best management practice will be utilized, including sediment barriers, filter bags or other BMPs. The material shall be disposed of in accordance with local, state and federal requirements.

1. Chapter 93 designation for Nelson Bay is Warm Water Fishes (WWF).

TABLE A
Sodium Requirements

Forams and Species		Seedling Requirements			Max % Seed	Seedling Rate (lb 1000 y)
		% By Weight	Purity	Germination		
Formula B Mix						
• <i>Perennial Ryegrass (Lolium perenne)</i> A combination of improved certified varieties with No one variety exceeding 50% of the total Ryegrass component		20	97	90	0.10	42.0 Total 8.5
• <i>C creeping Red Fescue or Chewings Fescue (Festuca rubra or ovip comutator)</i> Improved and Certified		30	97	85	0.10	12.5
• <i>Kentucky Bluegrass (Poa pratensis)</i> A combination of improved certified varieties with no one variety exceeding 50% of the total Bluegrass component		50	97	80	0.15	21.0
C C Conservation Mix						
• <i>Perennial Cynoda nutu</i>		45	90	70*	0.10	5.5
• <i>Annual Ryegrass (Lolium multiflorum)</i>		55	95	90	0.10	6.5
D D Conservation Mix						
• <i>Tall Fescue (Festuca arundinacea var. multiflora)</i> N1		60	96	85	0.10	30.0
• <i>C creeping Red Fescue or Chewings Fescue (Festuca rubra or ovip comutator)</i> Improved and Certified		30	97	85	0.10	15.0
• <i>Annual Ryegrass (Lolium multiflorum)</i>		10	95	90	0.10	5.0
Formula E						
• <i>Annual Ryegrass (Lolium multiflorum)</i>		100	95	90	0.10	10.0 Total 10.0
Formula F Mix						
• <i>Red Fescue mixture (Festuca longifolia)</i> A combination of improved certified varieties with no one variety exceeding 50% of the total Hard Fescue component		55	97	85	0.10	48.0 Total 20.4
• <i>C creeping Red Fescue (Festuca rubra)</i> Improved and Certified		35	97	85	0.10	16.8
• <i>Annual Ryegrass (Lolium multiflorum)</i>		10	95	90	0.10	5.0

TABLE 11.6
Mulch Application Rates

Minimum Application Rates				
Mulch Type	Per Area	Application Rate (Min.)		Notes
		Per 1,000 sq. ft.	Per 1,000 sq. yd.	
Straw	2 inches	1.5/2.0	1.4/3.0	either straw or soil this thick, tested, not checked or tested, tested
Hay	2 inches	1.0/2.0	1.2/3.0	Tested, tested (check of density or other quality of hay is required)
Wood Chips	4-6 inches	1.0/5-2.0/5	1.6/50-2.5/60	Has passed evaluation of density and volume
Hydro-mulch	1 inch	17/0	4/15	See limitations above

INSTALL STRAW MULCH AT 3 TONS PER ACRE

4	REVISED PER TOWNSHIP COMMENTS	JOC	01/22/20
3	REVISED PER TOWNSHIP COMMENTS	JOC	12/30/19
2	REVISED PER TOWNSHIP COMMENTS	JOC	10/30/19
1	REVISED PER HPDES COMMENTS	TOM	09/12/19
NO	REVISION DESCRIPTION	DATE	APPROVED

ENGINEER:

A circular professional engineer seal for the State of Pennsylvania. The outer ring contains the text "COMMONWEALTH OF PENNSYLVANIA". Inside the ring, it says "REGISTERED PROFESSIONAL ENGINEER". In the center, the name "TYSSEN Q. MILLER" is written above the word "ENGINEER". At the bottom, it says "PENNSYLVANIA".

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MELE & MELE & SONS, INC.
ONE MELE PLACE
BRADDOCK, PA 15104

PROJECT:
NORTH SIDE CEMETERY
PHASE 2
ROSS TOWNSHIP
ALLEGHENY COUNTY PA

DRAWING TITLE:
EROSION AND
SEDIMENTATION CONTROL
NOTES SHEET 2

SHEET NO.

C-305

[illegible]

- QUESTION**

[illegible]

- QUESTION**

[illegible]

QUESTION

QUESTION

[illegible][illegible]

QUESTION

[illegible][illegible]

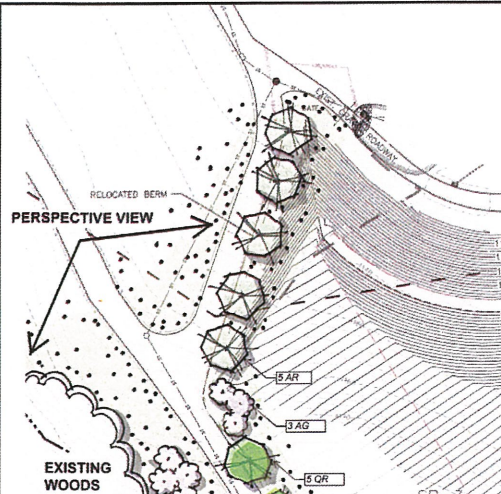
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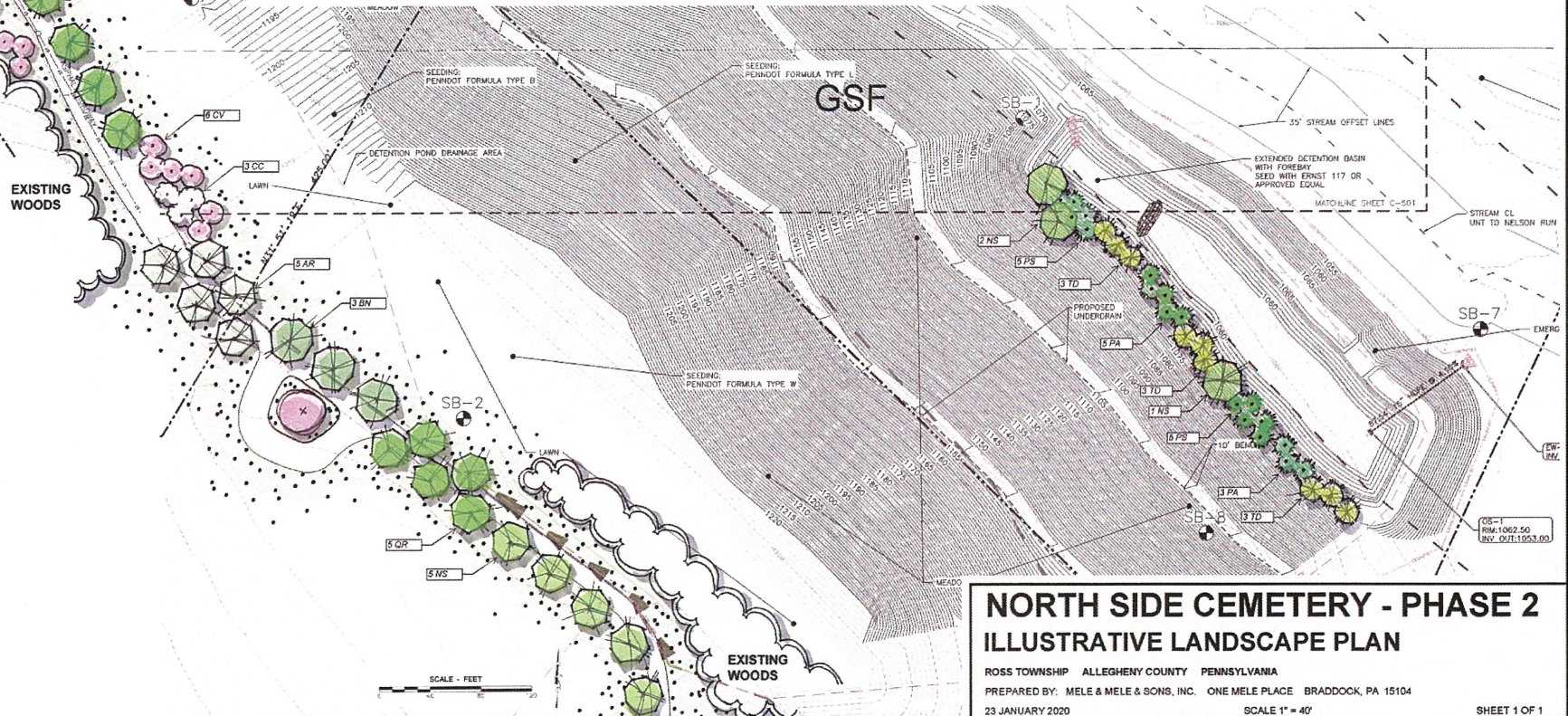
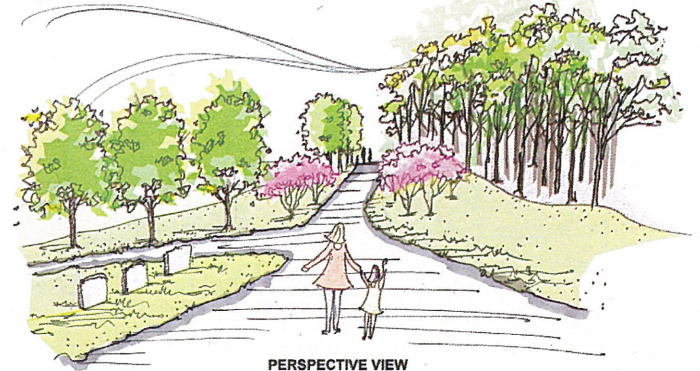
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QUESTION

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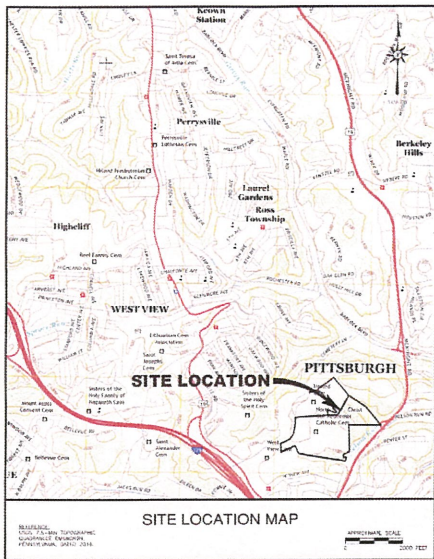


PLANT LIST						
KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING COMMENTS
SHADE TREES						
AR	10	ACER RUBRUM 'HANKSRED'	RED SUNSET RED MAPLE	2.2 1/2" CAL.	D&B	AS SHOWN SELECTED FROM NATIVE SPECIES STRENGTH, ENDURANCE
BN	3	BETULA NIGRA 'CIRLY'	HERITAGE RIVER BIRCH	3 1/2" HT.	D&B	AS SHOWN CLUMP FORM SELECTED FROM NATIVE SPECIES
NS	8	NYSSA SYLVATICA	BLACK GUM	2.2 1/2" CAL.	D&B	AS SHOWN NATIVE
QR	10	QUERCUS RUBRA	RED OAK	2.2 1/2" CAL.	D&B	AS SHOWN NATIVE, STRENGTH, HONOUR, ETERNITY, ENDURANCE
FLOWERING TREES						
AG	8	AMELANCHIER X GRANDIFLORA	SERVICEBERRY	6.7' HT.	D&B	AS SHOWN CLUMP FORM NATIVE, FLOWER EMERGENCE DENOTES SPRING THANKS FOR BURIAL SERVICES
CC	3	CERCIS CANADENSIS	EASTERN REDBUD	6.7' HT.	D&B	AS SHOWN CLUMP FORM NATIVE
CF	5	CORNUS FLORIDA	WHITE FLOWERING DOGWOOD	11.0 2" CAL.	D&B	AS SHOWN NATIVE, CHRISTIANITY, DIVINE SACRIFICE, RESURRECTION
CV	6	CRATAEGUS VIRENS 'WINTER KING'	WINTER KING HAWTHORN	11.0 2" CAL.	D&B	AS SHOWN SELECTED FROM NATIVE SPECIES HOPE, MERCY, SPRINGTIME
CONIFEROUS TREES						
PA	8	PICEA ABIES	NORWAY SPRUCE	6.7' HT.	D&B	AS SHOWN IMMORTALITY, GRIEF
PS	10	PINUS STROBUS	EASTERN WHITE PINE	6.7' HT.	D&B	AS SHOWN NATIVE, IMMORTALITY, GRIEF
TD	5	TAXODIUM DISTICHUM	BALD CYPRESS	2.2 1/2" CAL.	D&B	AS SHOWN NATIVE, IMMORTALITY, GRIEF



NORTH SIDE CEMETERY - PHASE 2 ILLUSTRATIVE LANDSCAPE PLAN

ROSS TOWNSHIP ALLEGHENY COUNTY PENNSYLVANIA
PREPARED BY: MELE & MELE & SONS, INC. ONE MELE PLACE BRADDOCK, PA 15104
23 JANUARY 2020 SCALE 1" = 40' SHEET 1 OF 1



POST-CONSTRUCTION STORMWATER MANAGEMENT PLANS

NORTH SIDE CEMETERY PHASE 2

LOCATED IN
ROSS TOWNSHIP
ALLEGHENY COUNTY
PENNSYLVANIA
FOR
NORTH SIDE CATHOLIC CEMETERY
204 CEMETERY LANE
PITTSBURGH, PA 15237



SHEET INDEX

SHEET NUMBER	DRAWING TITLE
PCSMTTL	POST-CONSTRUCTION STORMWATER MANAGEMENT TITLE SHEET
C-101 - C-102	EXISTING CONDITIONS PLANS
C-501 - C-502	POST-CONSTRUCTION STORMWATER MANAGEMENT PLANS
C-503	POST-CONSTRUCTION STORMWATER MANAGEMENT NOTES AND DETAILS

A MODIFICATION FROM 9-110.5 B WAS GRANTED ON OCTOBER 16, 2017, ALLOWING A 1.3% INCREASE TO THE 5% ALLOWABLE DISTURBANCE IN AN AREA WITH GREATER THAN 25% SLOPES AND WITHIN LANDSLIDE PRONE AREAS, AND AN 8.9% INCREASE TO THE 15% ALLOWABLE AREA TO BE DISTURBED IN AREAS OF 25% OR GREATER SLOPES NOT WITHIN A LANDSLIDE PRONE AREA.

CALL BEFORE YOU DIG!



PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE IN CONSTRUCTION PHASE AND 10 WORKING DAYS NOTICE IN DESIGN STAGE TO PENNSYLVANIA ONE CALL SYSTEM, INC. 1-800-242-1776

PENNSYLVANIA ACT 187 (1996) NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE COMMONWEALTH, CALL PENNSYLVANIA ONE CALL SYSTEM, INC. AT 1-800-242-1776 BEFORE ANY DISTURBANCE.

ON THIS DATE, _____ HAS REVIEWED AND HEREBY CERTIFIES THAT THE SWM SITE PLAN MEETS ALL DESIGN STANDARDS AND CRITERIA OF THE TOWNSHIP ORDINANCE NO. 2425, EXCEPT WHERE WAIVERS HAVE BEEN GRANTED AS NOTED ON THE PLAN. THE REVIEW IS BASED ON A SURVEY AND PLAN PREPARED BY OTHERS AND ASSUMES THAT ALL INFORMATION IS CORRECT AND VALID AS SUBMITTED.

NO.	REVISION DESCRIPTION	DATE	APPROVED BY
4	REVISED PER TOWNSHIP COMMENTS	01/22/20	JDC
3	REVISED PER TOWNSHIP COMMENTS	12/09/19	JDC
2	REVISED PER TOWNSHIP COMMENTS	12/09/19	JDC
1	REVISED PER TOWNSHIP COMMENTS	09/19/19	JDC
NO.	REVISION DESCRIPTION	DATE	APPROVED BY
NO.	REVISION DESCRIPTION	DATE	APPROVED BY

ENGINEER



PREPARED BY:



KU Resources, Inc.
22 SOUTH LINDEN AVENUE
DUNESBORO, PA 15110
412-499-9131
412-499-9131
www.kuresources.com

PREPARED FOR:

MELE & MELE & SONS, INC.
ONE MELE PLACE
BRADDOCK, PA 15104

PROJECT:

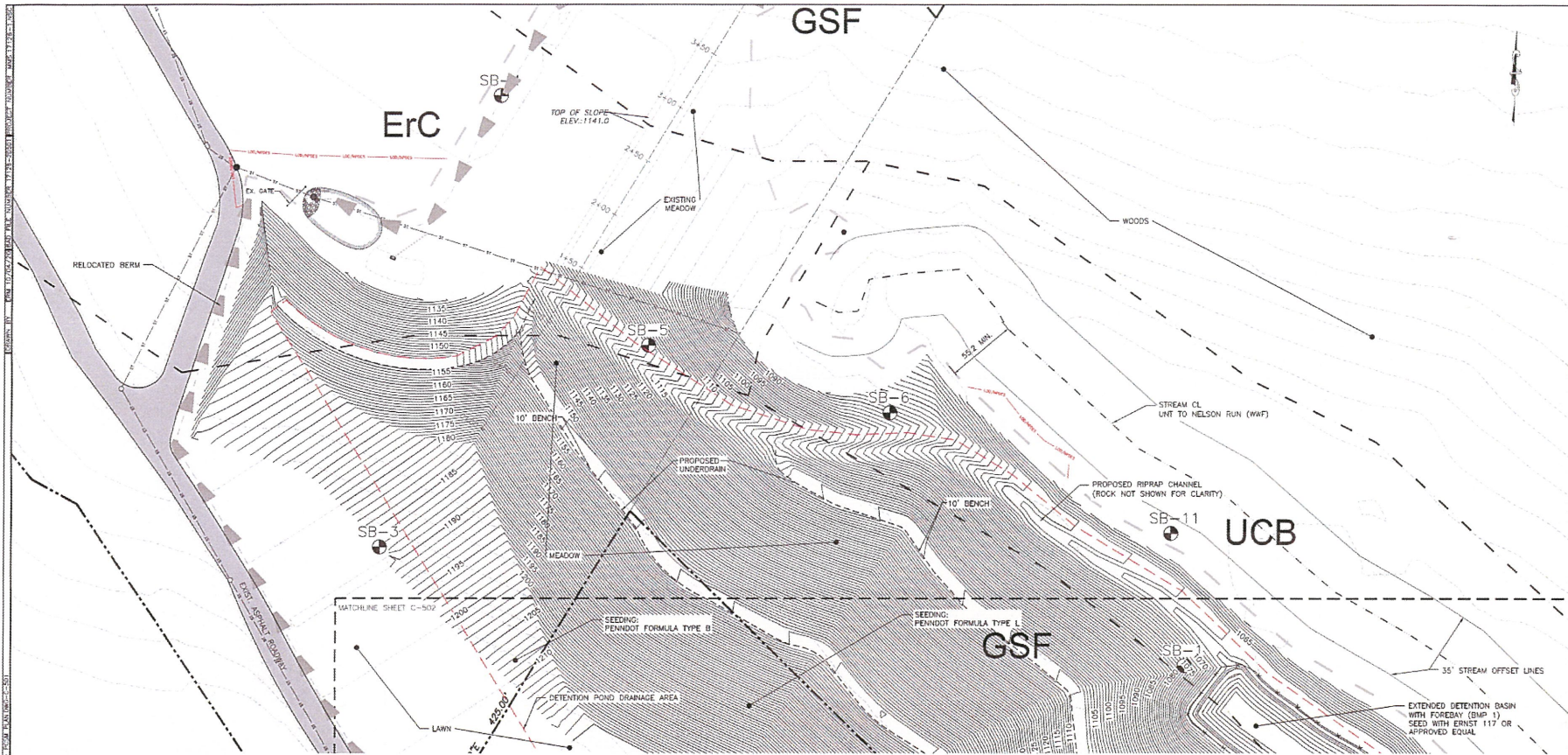
**NORTH SIDE CEMETERY
PHASE 2
ROSS TOWNSHIP
ALLEGHENY COUNTY PA**

DRAWING TITLE:

**POST-CONSTRUCTION
STORMWATER
MANAGEMENT TITLE SHEET**

SHEET NO.

PCSMTTL



PCSM OPERATION & MAINTENANCE

PERMANENT STORMWATER MANAGEMENT FACILITIES INCLUDE THE VEGETATED FILTER STRIP.

THE OWNER (CURRENTLY NORTH SIDE CEMETERY, 204 CEMETERY LANE) IS THE RESPONSIBLE PARTY WHO WILL OPERATE AND MAINTAIN ALL STORMWATER MANAGEMENT FACILITIES IN ACCORDANCE WITH THE APPROVED OPERATIONS AND MAINTENANCE PLAN AND ANY NPDES REQUIREMENTS. IN THE EVENT THAT THE RESPONSIBLE PARTY FAILS TO MEET THESE REQUIREMENTS, THE TOWNSHIP OF ROSS IS HEREBY GRANTED THE ABILITY TO ENTER THE PREMISES IN ORDER TO REPAIR OR RESTORE SAID FACILITIES. IN THE EVENT THAT TOWNSHIP ACTION IS REQUIRED, THE ABILITY TO CHARGE AND ASSESS THE COSTS THEREOF TO THE OWNER, INCLUDING A REASONABLE ALLOWANCE FOR OVERHEAD, AND TO ENFORCE SAID CHARGES AND ASSESSMENTS BY LIEN UPON THE PROPERTY IS ACKNOWLEDGED. IN ADDITION, THE DEED FOR EACH LOT SHALL CONTAIN A FETTERIAL COVENANT BINDING THE GRANTEE AND ALL SUCCESSORS IN INTEREST DESIGNATING THE RESPONSIBILITY FOR OPERATION AND MAINTENANCE OF THE ON-LOT FACILITIES.

CALL BEFORE YOU DIG!



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LEGEND

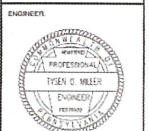
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- EXISTING MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING WATERWAY
- EXISTING STORMWATER SEWER LINE
- EXISTING WATER LINE
- STATE ROAD
- LOCAL ROAD
- PROPERTY BOUNDARY
- PROPERTY RIGHT-OF-WAY
- SUBSIDED PROPERTY AREA
- EXISTING TRAIL
- EDGE OF EXISTING ROADWAY
- PROPOSED UNDERDRAIN

- NPDES BOUNDARY
- DIVERSION BERM PHASE 1
- PREVIOUS NPDES BOUNDARY
- SOILS BOUNDARY LINE
- RIPRAP APRON
- ENDWALL
- INLET
- PROPOSED STORM PIPE
- POND DRAINAGE AREA
- PROPOSED FENCE

SCALE - FEET
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NO.	REVISION DESCRIPTION	DATE	APPROVED BY
1	REVISED PER TOWNSHIP COMMENTS	07/23/2019	JPC
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100	REVISED PER TOWNSHIP COMMENTS	08/15/2019	JPC

BOUNDARY SURVEY BY:
TOM SWING (P)
Engine Building - Suite 100
1331 Jakes Run Road
McKeesport, PA 15131
412-674-4403 (office)
724-325-1210 (cellular)
SINCE APRIL 2017
TOPOGRAPHIC DATA:
PACSA



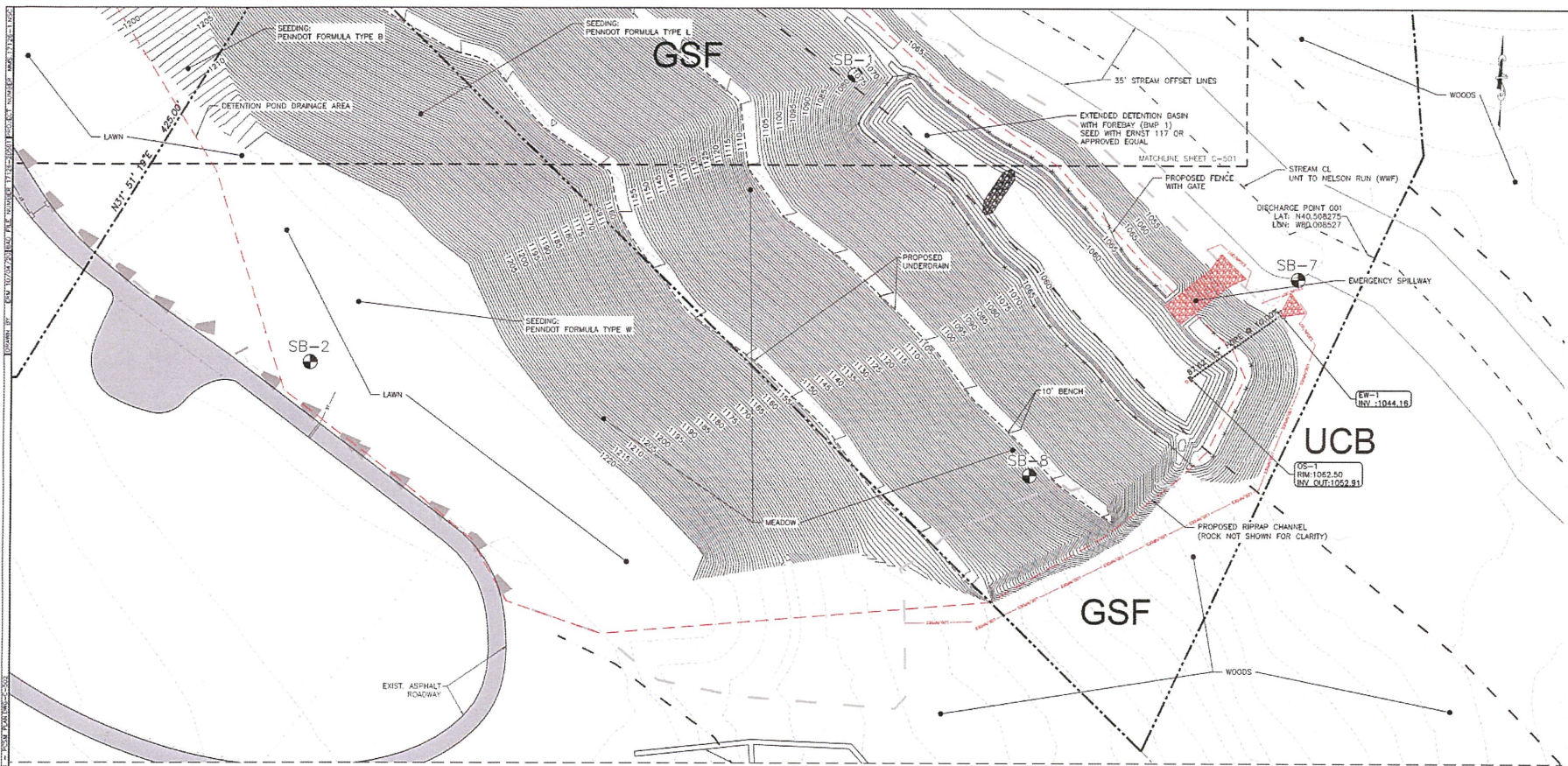
PREPARED BY:
KU Resources, Inc.
2000 Commonwealth Blvd.
Dunsmuir, PA 15110
412-460-1111
412-460-0338 fax
www.kuresources.com

PREPARED FOR:
MELE & MELE & SONS, INC.
ONE MELE PLACE
BRADDOCK, PA 15104

PROJECT:
**NORTH SIDE CEMETERY
PHASE 2
ROSS TOWNSHIP
ALLEGHENY COUNTY PA**

DRAWING TITLE:
**POST-CONSTRUCTION
STORMWATER MANAGEMENT
PLAN SHEET 1 OF 2**

SHEET NO.
C-501



PCSM OPERATION & MAINTENANCE

PERMANENT STORMWATER MANAGEMENT FACILITIES INCLUDE THE VEGETATED FILTER STRIP.

THE OWNER (CURRENTLY NORTH SIDE CATHOLIC CEMETERY, 204 CEMETERY LANE) IS THE RESPONSIBLE PARTY WHO WILL OPERATE AND MAINTAIN ALL STORMWATER MANAGEMENT FACILITIES IN ACCORDANCE WITH THE APPROVED OPERATIONS AND MAINTENANCE PLAN AND ANY NPDES REQUIREMENTS. IN THE EVENT THAT THE RESPONSIBLE PARTY FAILS TO MEET THESE REQUIREMENTS, THE TOWNSHIP OF ROSS IS HEREBY GRANTED THE ABILITY TO ENTER THE PREMISES IN ORDER TO REPAIR OR RESTORE SAID FACILITIES. IN THE EVENT THAT TOWNSHIP ACTION IS REQUIRED, THE ABILITY TO CHARGE AND ASSESS THE COSTS THEREOF TO THE OWNER, INCLUDING A REASONABLE ALLOWANCE FOR OVERHEAD, AND TO ENFORCE SAID CHARGES AND ASSESSMENTS BY LIEN UPON THE PROPERTY IS ACKNOWLEDGED. IN ADDITION, THE DEED FOR EACH LOT SHALL CONTAIN A PERPETUAL COVENANT BINDING THE GRANTEE AND ALL SUCCESSORS IN INTEREST DESIGNATING THE RESPONSIBILITY FOR OPERATION AND MAINTENANCE OF THE ON-LOT FACILITIES.

CALL BEFORE YOU DIG!



PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE IN CONSTRUCTION PHASE AND 15 WORKING DAYS NOTICE IN DESIGN STAGE TO "PENNSYLVANIA ONE CALL SYSTEM, INC." 1-800-242-1778.

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LEGEND

EXISTING MAJOR CONTOUR	NPDES BOUNDARY
EXISTING MINOR CONTOUR	DIVERSION BERM PHASE 1
PROPOSED MAJOR CONTOUR	PREVIOUS NPDES BOUNDARY
PROPOSED MINOR CONTOUR	SOILS BOUNDARY LINE
EXISTING WATERWAY	RIPPRAP APRON
EXISTING STORMWATER SEWER LINE	ENDWALL
EXISTING WATER LINE	INLET
STATE ROAD	PROPOSED STORM PIPE
LOCAL ROAD	POND DRAINAGE AREA
PROPERTY BOUNDARY	PROPOSED FENCE
PROPERTY RIGHT-OF-WAY	
SUBDIVIDED PROPERTY AREA	
EXISTING TRAIL	
EDGE OF EXISTING ROADWAY	
PROPOSED UNDERDRAIN	

SCALE - FEET
0 10 20 30 40 50 60 70 80 90 100

NO.	REVISION DESCRIPTION	DATE	APPROVED BY
1	REVISED PER TOWNSHIP COMMENTS	07/25/20	JPC
2	REVISED PER TOWNSHIP COMMENTS	08/13/19	JPC
3	REVISED PER TOWNSHIP COMMENTS	09/13/19	TOM
4	REVISED PER TOWNSHIP COMMENTS	09/13/19	TOM

REFERENCE:
RECONSTRUCTION SURVEY BY:
NED GARDEN GROUP
Engine Building - Suite 100
3001 Jukka Sun Road
Hummelstown, PA 17113
717-678-4403 (office)
717-678-4403 (cell)
717-678-4403 (fax)
DATED: APRIL 2017

POPOGRAPHIC DATA:
FUGRO

ENGINEER:

TYLAN G. MILLER
ENGINEER
PROFESSIONAL

PREPARED BY:

KV Resources, Inc.
212-489-9331
212-489-9336 fax
www.kvresources.com

PREPARED FOR:
MELE & MELE & SONS, INC.
ONE MELE PLACE
BRADDOCK, PA 15104

PROJECT:
**NORTH SIDE CEMETERY
PHASE 2
ROSS TOWNSHIP
ALLEGHENY COUNTY PA**

DRAWING TITLE:
**POST-CONSTRUCTION
STORMWATER MANAGEMENT
PLAN SHEET 2 OF 2**

SHEET NO.
C-502

CHECKED BY: TOM 07/03/2019 APPROVED BY: TOM 07/03/2019

STORMWATER NOTES

1. THE STORMWATER MANAGEMENT SYSTEM FOR THIS PROJECT INCLUDES AN EXTENDED DETENTION BASIN AND PERMANENT VEGETATIVE COVER.
2. DURING ANY STAGE OF THE WORK, IF ROSS TOWNSHIP OR ITS DESIGNEE DETERMINES THAT THE PERMANENT STORMWATER MANAGEMENT FACILITIES ARE NOT BEING INSTALLED IN ACCORDANCE WITH THE PLANS AND APPROVALS, THE TOWNSHIP MAY ISSUE A STOP WORK ORDER.
3. REFER TO PAGE CHART 102 STANDARDS FOR CRITICAL INSPECTION OF BMPs.

OPERATION & MAINTENANCE NOTES

PERMANENT STORMWATER MANAGEMENT FACILITIES INCLUDE THE EXTENDED DETENTION BASIN, MAINTENANCE OF THE STORMWATER MANAGEMENT FACILITIES INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING:

1. INSPECT EXISTING STORM PIPES, STRUCTURES, OR SINKS WHERE THE SITE DISCHARGES FOR DEBRIS AND CLEAN AS NECESSARY.
2. ALL BASIN EXPECTED TO RECEIVE AND/OR TRAP DEBRIS AND SEDIMENT SHOULD BE INSPECTED FOR CLOGGING AND EXCESSIVE DEBRIS AND SEDIMENT ACCUMULATION AT LEAST FOUR TIMES PER YEAR, AS WELL AS AFTER EVERY STORM GREATER THAN 1" INCH.
3. MOWING AND/OR TRIMMING OF VEGETATION SHOULD BE PERFORMED AS NECESSARY TO SUSTAIN THE SYSTEM, BUT ALL DETRITUS SHOULD BE REMOVED FROM THE BASIN.
4. INSPECT VEGETATED AREAS ANNUALLY FOR EROSION AND UNWANTED GROWTH OF EXOTIC/INVASIVE SPECIES.
5. IF VEGETATION HAS BEEN REDUCED BY 10%, VEGETATION SHOULD BE REESTABLISHED.
6. INSPECTIONS SHALL BE COMPLETED USING THE PROPER EQUIPMENT NECESSARY TO INSPECT THE FACILITIES ACCURATELY AND SAFELY. LOCAL, STATE, AND FEDERAL SAFETY REGULATIONS SHALL BE EMPLOYED DURING INSPECTION.
7. DISPOSAL OF WASTE FROM MAINTENANCE OF THE STORMWATER FACILITIES SHALL BE CONDUCTED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS.
8. RECORDS OF INSTALLATION AND MAINTENANCE AND REPAIR SHALL BE RETAINED BY THE OWNER OR OTHER RESPONSIBLE PARTY FOR A PERIOD OF FIVE (5) YEARS AND SHALL BE MADE AVAILABLE TO ROSS TOWNSHIP OR THE PAID UPON REQUEST.
9. PER THE ROSS TOWNSHIP STORMWATER ORDINANCE.

UNDER AND SUBJECT, NEVERTHELESS, TO THE FOLLOWING CONDITIONS AND RESTRICTIONS: PRIOR TO ANY EARTH DISTURBANCE FOR WHICH STORMWATER MANAGEMENT FACILITIES ARE REQUIRED BY THE TOWNSHIP, GRANTEE SHALL CONSTRUCT THE PERMANENT STORMWATER MANAGEMENT FACILITIES AS SHOWN ON THE STORMWATER MANAGEMENT PLAN (THE "PLAN") PREPARED BY TYSER O. MILLER, P.E. DATED 04/07/2019 AND LAST REVISED 04/07/2019 AND APPROVED BY THE TOWNSHIP. THEREAFTER, THE GRANTEE, HIS HEIRS, EXECUTORS, ADMINISTRATORS, SUCCESSORS AND ASSIGNS ("OWNER"), AT HIS SOLE COST AND EXPENSE, SHALL OPERATE, MAINTAIN AND REPAIR SAID STORMWATER MANAGEMENT FACILITIES ON THE LOT IN ACCORDANCE WITH SAID PLAN, SO THAT THE FACILITIES SHALL AT ALL TIMES CONTINUE TO OPERATE AND FUNCTION IN THE SAME MANNER AND CAPACITY AS THEY WERE DESIGNED. IN THE EVENT OF THE FAILURE OF THE OWNER TO COMPLY WITH THESE CONDITIONS, THE TOWNSHIP SHALL HAVE SAID STORMWATER MANAGEMENT FACILITIES REPAIRED OR RESTORED AS REQUIRED, AND THE COSTS THEREOF PLUS A REASONABLE ALLOWANCE FOR OVERSIGHT SHALL BE ASSIGNED TO THE OWNER. THE TOWNSHIP SHALL BE A CHARGE AND A CONTINUING LIEN UPON THE PROPERTY HEREIN. THE TOWNSHIP, BEFORE IT MAY EXERCISE THE RIGHT, SHALL NOTIFY THE OWNER BY CERTIFIED MAIL OF ITS INTENTION NOT TO TAKE THE ADJUDICATED ACTION. THE NOTICE SHALL SET FORTH IN WHAT MANNER THE OWNER HAS NEGLECTED THE OPERATION AND MAINTENANCE OF OR REPAIR TO THE STORMWATER MANAGEMENT FACILITIES, AND IF THE OWNER FAILS, WITHIN A PERIOD OF 90 CALENDAR DAYS, TO CORRECT OR REPAIR THE ITEMS LISTED IN THE NOTICE FROM THE TOWNSHIP, THEN AND ONLY THEN, MAY THE TOWNSHIP EXERCISE THIS RIGHT.

RECYCLING OR DISPOSAL OF MATERIAL FROM THE SITE:

CONSTRUCTION SITE WASTES MUST BE PROPERLY MANAGED AND DISPOSED TO REDUCE POTENTIAL FOR POLLUTION TO SURFACE AND GROUND WATERS AS PER 25 PA. CODE 102.01(9)(2)(3). PROPER TRASH DISPOSAL, RECYCLING OF MATERIALS, PROPER MATERIALS HANDLING, AND SPILL PREVENTION AND CLEAN-UP TO REDUCE THE POTENTIAL FOR CONSTRUCTION SITE WASTES TO BE MOBILIZED BY STORM WATER RUNOFF AND CONVEYED TO SURFACE WATERS. ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS MUST BE FOLLOWED IN THE USE, HANDLING, AND DISPOSAL OF POTENTIALLY HAZARDOUS MATERIALS.

- SINCE HEAVY EQUIPMENT WILL BE USED DURING CONSTRUCTION OF THE CUTS AND FILLS AND FOR THE PROPOSED PROJECT, A POLLUTION PREVENTION AND CONTINGENCY (PPC) PLAN WILL BE AVAILABLE ON SITE AND UPON THE DEPARTMENT OR CONSERVATION DISTRICT REQUEST. THE CONTRACTOR WILL ADDRESS THE STORAGE, LOADING, OR TRANSPORTING MATERIALS ONTO, ON, OR FROM THE PROJECT SITE DURING EARTH DISTURBANCE ACTIVITIES. IN ADDITION, THE CONTRACTOR WILL BE RESPONSIBLE FOR THE FOLLOWING:
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH PAID AND APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS INCLUDING, BUT NOT LIMITED TO, THE MANNER, DIRECTION, LOCATION AND CONDITION OF THE WASTE DISPOSAL SITE CHOSEN BY THE CONTRACTOR.
 - ALL MISCELLANEOUS CONSTRUCTION WASTES WHICH ARE ANTICIPATED TO INCLUDE SOIL MATERIAL, BROKEN CEMENTS, PIECES OF PIPE, PALLETS, FORMS, PACKAGING, ETC., UNUSABLE MATERIAL, AND GARBAGE SHOULD BE Hauled OFF THE SITE AND DISPOSED OF AT AN APPROVED LOCATION IN COMPLIANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.
 - RECYCLING EFFORTS AT THE SITE CONSISTS OF CRUSHING CONCRETE DEBRIS DISCOVERED DURING EXCAVATION AND EITHER INCORPORATING IT INTO FILL OR USING IT AS AGGREGATE MATERIAL. EXISTING DEMOLISHED CONCRETE SHALL BE BROKEN INTO SIZES ACCEPTABLE TO PAUL SPECIFICATIONS AND USED AS NECESSARY OR Hauled AWAY TO AN APPROVED LOCATION.
 - ALL OFF-SITE WASTE/SPILL/ROW AREAS SHALL BE APPROVED BY ACD.
 - CONTRACTORS WILL HAVE A DESIGNATED PERSON ASSIGNED TO INSTRUCT, OVERSEE, AND ENFORCE WORK CREW MEMBERS ON PROPER MATERIALS STORAGE AND HANDLING PROCEDURES.
 - CONTRACTORS WILL HAVE SPILL KITS PRESENT AT THE SITE TO ADDRESS ANY SPILLS AND LEAKS FROM EQUIPMENT.
 - EQUIPMENT LEAKS WILL BE REPAIRED UPON OBSERVATION.
 - FUEL WILL BE PROVIDED ON AN AS-NEEDED BASIS BY A LOCAL VENDOR. EQUIPMENT WILL BE FUELED IN A DESIGNATED AREA ASSIGNED BY THE CONTRACTOR.
 - ANY FUEL STORED ON SITE WILL BE STORED IN A MAXIMUM 500-GALLON DOUBLE-CONTAINED PORTABLE TANK.
 - STABILIZATION MIX REAGENTS ARE LIMITED TO PORTLAND CEMENT WHICH WILL BE DELIVERED TO THE SITE AND STORED ON SITE IN DRY (POWDERED) FORM.
 - A PORT-A-JOIN WILL BE PLACED IN THE VICINITY OF THE CONSTRUCTION TRAILER, AND MAINTAINED BY A LOCAL VENDOR.
 - GENERAL TRASH AND REFUSE WILL BE MANAGED IN A DESIGNATED CONTAINER, AND WILL BE TRANSPORTED TO A TRASH BOX LOCATED ON THE SITE FOR ULTIMATE MANAGEMENT/DISPOSAL.

PCSM SEQUENCE OF CONSTRUCTION:

- LICENSED PROFESSIONAL OVERSIGHT OF CRITICAL STAGES: A LICENSED PROFESSIONAL OR A DESIGNER SHALL BE PRESENT ON SITE AND BE RESPONSIBLE DURING CRITICAL STAGES OF IMPLEMENTATION OF THE APPROVED PCSM PLAN. THE CRITICAL STAGES MAY INCLUDE THE INSTALLATION OF THE DETENTION BASIN, PLANTING INSTALLATION, OR OTHER BMPs/STAGES AS DEEMED APPROPRIATE BY THE DEPARTMENT OR THE CONSERVATION DISTRICT.
1. Delineate POST CONSTRUCTION STORMWATER MANAGEMENT AREAS WITH HIGH VISIBILITY FENCE.
 2. THE AREA IMMEDIATELY ADJACENT TO THE BASIN MUST BE STABILIZED IN ACCORDANCE WITH THE PAID'S EROSION AND SEDIMENT POLLUTION CONTROL PROGRAM MANUAL (2000 OR LATEST EDITION) PRIOR TO BASIN CONSTRUCTION.
 3. AVOID COMPACTION OF THE BASIN BOTTOM. IF EXCAVATION IS REQUIRED, CLEAR THE AREA TO BE EXCAVATED OF ALL VEGETATION. REMOVE ALL TREE ROOTS, ROCKS, AND BouldERS ONLY IN EXCAVATION AREA.
 4. EXCAVATE BOTTOM OF BASIN TO DESIRED ELEVATION (IF NECESSARY).
 5. INSTALL SURROUNDING EMBANKMENTS AND INLET AND OUTLET CONTROL STRUCTURES.
 6. GRADE SUBSOIL IN BOTTOM BASIN, TAKING CARE TO PREVENT COMPACTION, CONTACT SURROUNDING EMBANKMENT AREAS AND AVOID INLET AND OUTLET STRUCTURES.
 7. APPLY AND GRADE PLANTING SOIL.
 8. APPLY GEOTEXTILES AND OTHER EROSION CONTROL MEASURES.
 9. SEED, PLANT, AND MULCH.

*INDICATES CRITICAL STAGES REQUIRING PROFESSIONAL OVERSIGHT & APPROVAL.

PCSM PLANNING:

THIS "POST-CONSTRUCTION STORM WATER MANAGEMENT PLAN" WAS PREPARED IN RESPONSE TO AND IN ACCORDANCE WITH CERTAIN RULES AND REGULATIONS PROMULGATED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (PAEDP). THE HANDLING OF STORM WATER, THE TOPOGRAPHIC FEATURES DESCRIBED, THE STAGING OF EARTHWORK, THE TEMPORARY AND PERMANENT CONTROL MEASURES, AND THE INTERPRETATIONS AND OPINIONS STATED IN THE FOLLOWING PAGES ARE TO BE USED ONLY FOR THE PURPOSE OF ELIMINATING, MINIMIZING, AND/OR CONTROLLING POLLUTION OF THE STREAMS AND WATERWAYS FROM MATERIALS ANTICIPATED TO BE ERODED FROM THE EARTHWORK TO BE IDENTIFIED AS A RESULT OF CONSTRUCTION OF THE PROJECT.

THE CONTRACTOR SHALL MINIMIZE SOIL COMPACTION BY CLEARLY STAKING OUT THE PROPOSED LIMITS OF DISTURBANCE AND MAINTAIN ALL CONSTRUCTION ACTIVITIES WITHIN THAT BOUNDARY. EMPLOYING THE PERMITTED SEDIMENT BARRIERS SPECIFIED IN THE EROSION AND SEDIMENT POLLUTION CONTROL PLAN WILL MINIMIZE POTENTIAL IMPACTS TO WATERWAYS OF EXISTING CHEMICAL, BIOLOGICAL, AND PHYSICAL QUALITIES. EXISTING VEGETATION TO REMAIN SHOULD BE PROTECTED WITH A HIGH-VISIBILITY FENCE OF OTHER EQUIPMENT. CARE SHOULD BE TAKEN TO AVOID VEHICLE AND CONSTRUCTION TRAFFIC IN THE AREA OF PROPOSED POST-CONSTRUCTION STORMWATER MANAGEMENT BMPs. REFER TO THE SEQUENCE OF CONSTRUCTION FOR DETAILED STEPS WHICH WILL HELP MINIMIZE THE EXTENT AND DURATION OF EARTH DISTURBANCE ACTIVITIES. REFER TO THE PROPOSED CONTROL FEATURES FOR THOSE EROSION AND SEDIMENT CONTROL BMPs THAT WILL PREVENT OR ELIMINATE ACCELERATED EROSION AND RUNOFF.

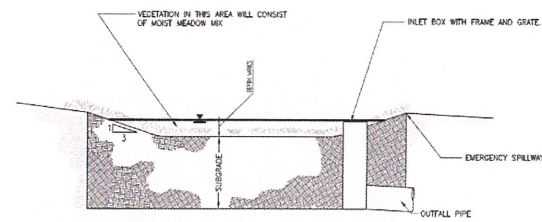
THERMAL IMPACTS ARE NOT ANTICIPATED FOR THIS PROJECT SINCE NO INTERLUDES SURFACES WILL BE CREATED AND SINCE THE PROPOSED DETENTION BASIN AND MEADOW HILLSIDE WILL ALLOW WATER TO COOL BEFORE IT REACHES THE EXISTING STREAM.

SITE NOTES:

1. CHAPTER 83 DESIGNATION FOR NELSON RUN IS WWF - WARM WATER FISHES

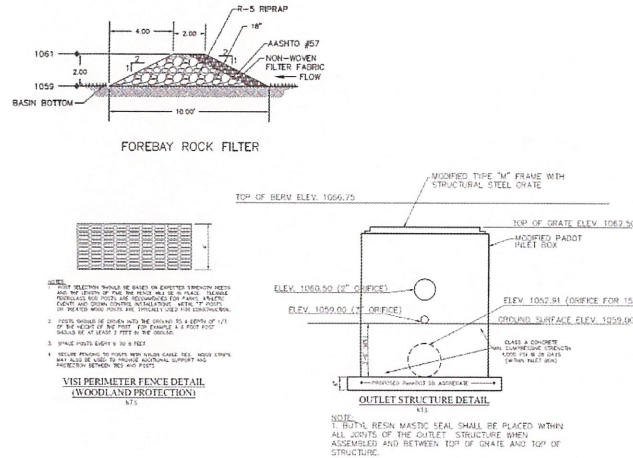
GEOLOGIC AND SOIL CONDITIONS:

1. ROCK IS ASSUMED TO BE RELATIVELY SHALLOW AT BETWEEN 14" AND 30" DEEP. THE PROPOSED PROJECT IS NOT ANTICIPATED TO ENCOUNTER UNIQUE GEOLOGIC CONDITIONS. SHOULD UNFORESEEN GEOLOGIC OR OTHER CONDITIONS ARISE THAT COULD CAUSE THE POTENTIAL FOR RUNOFF OF POLLUTION, THE APPROPRIATE BMP WILL BE UTILIZED INCLUDING SEDIMENT BARRIERS, FILTER BAGS OR OTHER BMPs. THE MATERIAL SHALL BE DISPOSED IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS.



SEDIMENT TRAP TO DETENTION BASIN CONVERSION:

1. ONCE THE TRIBUTARY AREA UPSTREAM OF BASIN HAS BEEN STABILIZED, FINAL INSTALLATION OF THE BMP MAY COMMENCE.
2. EXCAVATION SEDIMENT TRAP BY FLUSHING ACCUMULATED SEDIMENT FROM THE CONTRIBUTING STORM SEWER SYSTEM, OVERHAULING FACILITY, AND REMOVING AND DISPOSING OF ACCUMULATED SEDIMENT PROPERLY.
3. CLEANING THE POND AREA, IF NEEDED.
4. REMOVE AND EXPOSE OF ANY ACCUMULATED SEDIMENT ON-SITE.
5. REMOVE ANY TEMPORARY FACILITIES, SUCH AS BARTLES AND CLEAN OUT STAKE.
6. EXCAVATE BOTTOM OF POND FOR 12" FOOT SOIL MEDIA INSTALLATION USING LIGHT EQUIPMENT TO MINIMIZE COMPACTION. SCOURY BOTTOM LATER TO ADD INSULATION WITH YOUR BORE OR OTHER HAND EQUIPMENT. DISPOSE OF EXCAVATED MATERIAL AT AN APPROVED DISPOSAL LOCATION.
7. INSTALL GEOTEXTILE AND BACKFILL WITH SOIL MEDIA PER THE DETAIL.
8. INSTALL PLANTING AND/OR SEEDING. USE ERNST MIX-117 OR ERNST MIX SPECIFIED IN THE STORMWATER REPORT.



VIET PERIMETER FENCE DETAIL (WOOD AND PROTECTION) NTS

NOTE: BOTH RESIN MASTIC SEAL SHALL BE PLACED WITHIN ALL JOINTS OF THE OUTLET STRUCTURE WHEN ASSEMBLED AND BETWEEN TOP OF GRATE AND TOP OF STRUCTURE.

SCALE - FEET

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NO.	REVISION DESCRIPTION	DATE	APPROVED BY
1	REVISION DESCRIPTION	01/20/2019	APPROVED BY: TOM 07/03/2019
2	REVISION DESCRIPTION	12/20/2019	
3	REVISION DESCRIPTION	12/20/2019	
4	REVISION DESCRIPTION	12/20/2019	

REVISIONS: 1. REVISION DESCRIPTION 2. REVISION DESCRIPTION 3. REVISION DESCRIPTION 4. REVISION DESCRIPTION

TOPOGRAPHIC DATA: 1. TOPOGRAPHIC DATA 2. TOPOGRAPHIC DATA 3. TOPOGRAPHIC DATA 4. TOPOGRAPHIC DATA

ENGINEER: 1. ENGINEER 2. ENGINEER 3. ENGINEER 4. ENGINEER

PREPARED BY: 1. PREPARED BY 2. PREPARED BY 3. PREPARED BY 4. PREPARED BY

PROJECT: 1. PROJECT 2. PROJECT 3. PROJECT 4. PROJECT

PHASE: 1. PHASE 2. PHASE 3. PHASE 4. PHASE

LOCATION: 1. LOCATION 2. LOCATION 3. LOCATION 4. LOCATION

DATE: 1. DATE 2. DATE 3. DATE 4. DATE

SCALE: 1. SCALE 2. SCALE 3. SCALE 4. SCALE

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CALL BEFORE YOU DIG!



PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE IN CONSTRUCTION PHASE AND 10 WORKING DAYS NOTICE IN DESIGN STAGE TO PENNSYLVANIA ONE CALL SYSTEM, INC. 1-800-242-1176.

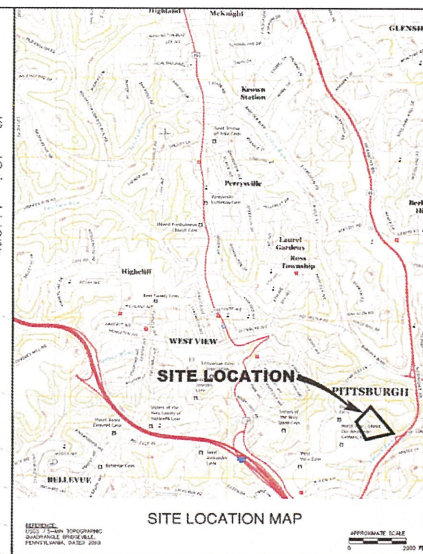
PENNSYLVANIA ACT 187 (1986) NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE COMMONWEALTH, CALL PENNSYLVANIA ONE CALL SYSTEM, INC. AT 1-800-242-1176 BEFORE ANY DISTURBANCE.

C-503

Totals				
	2d Area (Sq Ft)	Cut (Cu Yd)	Fill (Cu Yd)	Net (Cu Yd)
Total	410371.78	22754.18	124893.22	102639.64

^a Values adjusted by cut or fill factor other than 1.0.

3. ALL DEBRIS WHICH WILL BURN OR DECOMPOSE AND ALL TOPSOIL SHALL BE REMOVED FROM THE PROPOSED FILL AREA.
4. COAL, BONY, RED-OX, EXPANSIVE SLAG, CHINDERS, WOOD, TRASH, METALS, ORGANIC MATERIALS OR REFUSE SHALL NOT BE PLACED OR USE FOR FILL.
5. PROJECT AREA IS LOCATED IN ZONE A OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN BOUNDARY. FIRM MAP NO. 4200300149, BEARING AN EFFECTIVE DATE OF SEPTEMBER 20, 2014.
6. "OUTCROP OF REDBED AND ASSOCIATED ROCKS" as "SLOPES WITH SOIL MASS" AND TO PREVENT UNDESIRABLE SETTLEMENT OR SLIPAGE STREAMS MAP". PREPARED BY THE GATEWAY ENGINEERS, DATED APRIL 10, 2014.
7. "ALL FILLS SHALL BE COMPACTED TO PROVIDE STABILITY OF FILLS AND TO PREVENT UNDESIRABLE SETTLEMENT OR SLIPAGE". ALL FILLS SHALL BE COMPACTED USING MODERN METHODS AND EQUIPMENT. THE COMPACTED FILLS SHALL BE SUPERVISED BY A QUALIFIED GEOTECHNICAL ENGINEER WHO SHALL CARRY WRITING TO THE TOWNSHIP, AS TO THE ADEQUACY OF COMPACTED FILLS SHALL SUBMIT PROOF OF FILLS TO THE TOWNSHIP ENGINEER.



NO.	REVISION DESCRIPTION	DATE	APPROVED
1	REVISION DESCRIPTION	09/11/19	TOM
2	REVISED PER TOWNSHIP COMMENTS	10-25-19	JDC
3	REVISED PER TOWNSHIP COMMENTS	12-20-19	JDC
4	REVISED PER TOWNSHIP COMMENTS	01-22-20	JDC

REFERENCES:
BOULDERIAUT SURVEY BY:
RED SWAG GROUP
Empire Building - Suite 500
3001 Jacks Run Road
McKeesport, PA 15131
412.678.4403 (office)
724.325.1215 (corporate)
DATED: APRIL 2017

TOPOGRAPHIC DATA:
PASQA



PREPARED BY:



KU Resources, Inc.
22 South Linden Street
Duquesno, PA 15110
412-469.9331
412-469.9336 fax
www.kuresources.com

www.katejohn.com

MELE & MELE & SONS, INC.
ONE MELE PLACE
BRADDOCK, PA 15104

[illegible]

NORTH SIDE CEMETERY
PHASE 2
ROSS TOWNSHIP
ALLEGHENY COUNTY PA

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GRADING PLAN
SHEET 1 OF 2

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454 J. K. KIM ET AL.

SHEET NO.

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NO.	REVISION DESCRIPTION	DATE	APPROVED
		09/12/18	10M

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CALL BEFORE YOU DIG!



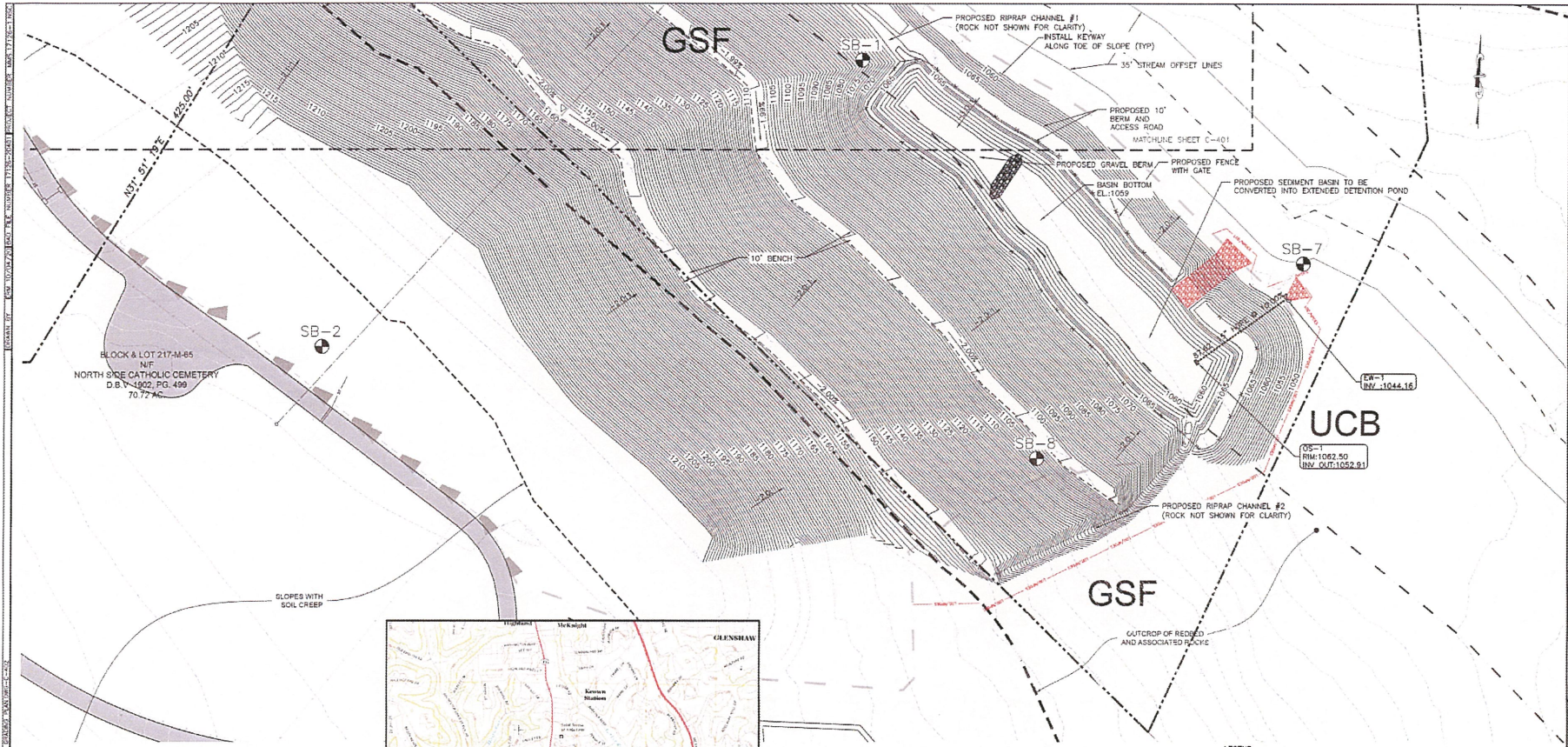
PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE IN CONSTRUCTION PHASE AND 10 WORKING DAYS NOTICE IN DESIGN STAGE TO "PENNSYLVANIA ONE CALL SYSTEM, INC." 1-800-242-1776.

PENNSYLVANIA ACT 187 (1986) NOTIFICATION OF EXCAVATORS.
DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S
SURFACE ANYWHERE IN THE COMMONWEALTH, CALL PENNSYLVANIA ONE
CALL SYSTEM, INC. AT 1-800-242-1776 BEFORE ANY DISTURBANCE.

SCALE - FEET



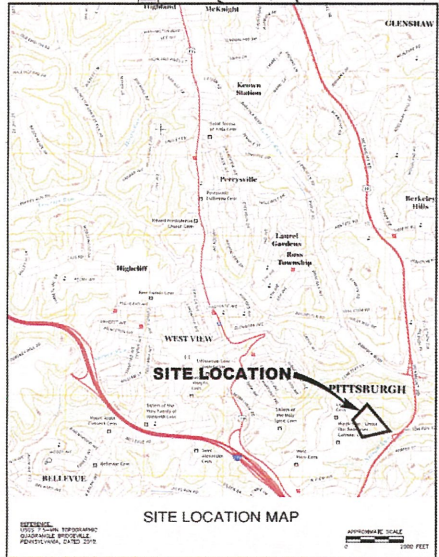
A horizontal scale bar with alternating black and white segments. It is marked with '0' at the left end, '40' in the middle, and '80' at the right end.



Volume Summary

Name	Type	Cut Factor	Fill Factor	2d Area (Sq Ft)	Cut (Cu Yd)	Fill (Cu Yd)	Net (Cu Yd)
VN	Full	1.000	1.000	410171.78	22254.18	124893.22	102679.64
Totals							
				2d Area (Sq Ft)	Cut (Cu Yd)	Fill (Cu Yd)	Net (Cu Yd)
Total				410171.78	22254.18	124893.22	102679.64

* Value adjusted by cut or fill factor other than 1.0



- NOTES**
1. ALL DEBRIS WHICH WILL BURN OR DECOMPOSE AND ALL TOPSOIL SHALL BE REMOVED FROM THE PROPOSED FILL AREA.
 2. COAL, BONY, RED-DUG, EXPANSIVE SLAG, CINDERS, WOOD, TRASH, METALS, ORGANIC MATERIAL OR REFUSE SHALL NOT BE PLACED OR USE FOR FILL MATERIAL.
 3. PROJECT AREA IS LOCATED IN ZONE AE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN BOUNDARY. FIRM MAP NO. 42003C0194H, BEARING AN EFFECTIVE DATE OF SEPTEMBER 26, 2014.
 4. "OUTCROP OF REDDIED AND ASSOCIATED ROCKS" & "SLOPES WITH SOIL CREEP", TAKEN FROM ROSS TOWNSHIP "LANDSLIDE PRONE AREAS AND STREAMS MAP", PREPARED BY THE GATEWAY ENGINEERS, DATED APRIL 10, 2014.
 5. "ALL FILLS SHALL BE COMPACTED TO PROVIDE STABILITY OF FILL MATERIAL, AND TO PREVENT UNDESIRABLE SETTLEMENT OR SLURPAGE. FILLS SHALL BE COMPACTED USING MODERN METHODS AND EQUIPMENT. FILLS SHALL BE CONSTRUCTED UNDER THE SUPERVISION OF A QUALIFIED GEOTECHNICAL ENGINEER WHO SHALL CERTIFY, IN WRITING TO ROSS TOWNSHIP, AS TO THE ADEQUACY OF COMPACTION AND SHALL SUBMIT RESULTS OF THE COMPACTION TESTS TO THE TOWNSHIP ENGINEER."

- LEGEND**
- EXISTING MAJOR CONTOUR
 - EXISTING MINOR CONTOUR
 - PROPOSED MAJOR CONTOUR
 - PROPOSED MINOR CONTOUR
 - EXISTING STORMWATER SEWER LINE
 - EXISTING WATER LINE
 - STATE ROAD
 - LOCAL ROAD
 - PROPERTY BOUNDARY
 - PROPERTY RIGHT-OF-WAY
 - SUBDIVIDED PROPERTY AREA
 - EXISTING TRAIL
 - EDGE OF EXISTING ROADWAY
 - PROPOSED UNDERDRAIN
 - NPDES BOUNDARY
 - PREVIOUS NPDES BOUNDARY
 - SOILS BOUNDARY LINE
 - RIPPRAP APRON
 - ENDWALL
 - INLET
 - PROPOSED STORM PIPE

NO.	REVISION DESCRIPTION	DATE	APPROVED BY
1	ISSUED FOR PERMITS	07/03/2019	TOM
2	REVISED PER TOWNSHIP COMMENTS	01/22/20	JDC
3	REVISED PER TOWNSHIP COMMENTS	12/20/19	JDC
4	REVISED PER TOWNSHIP COMMENTS	09/18/19	TOM

CHECKED BY: TOM 07/03/2019 APPROVED BY: TOM 07/03/2019

DESIGNED BY: JDC
 SURVEYED BY: JDC
 ENGINEER: JDC
 ENGINEERING FIRM: MELE & MELE & SONS, INC.
 ADDRESS: 1501 Andy Run Road, Mokenburg, PA 15111
 PHONE: 412-675-4400 (office)
 FAX: 412-675-4400 (office)
 EMAIL: info@meleandsons.com
 WEBSITE: www.meleandsons.com

PROJECT: NORTH SIDE CEMETERY PHASE 2 ROSS TOWNSHIP ALLEGHENY COUNTY PA

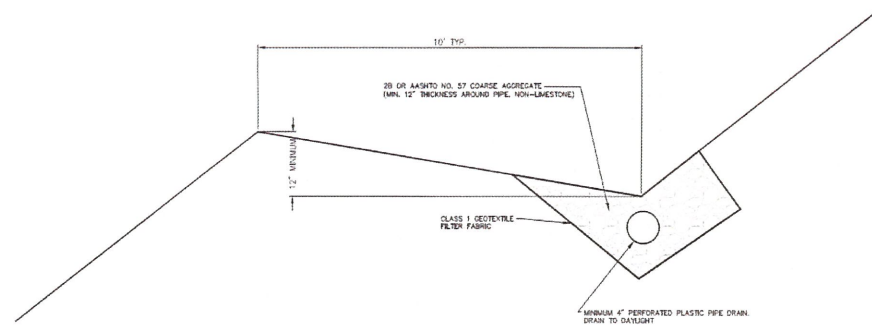
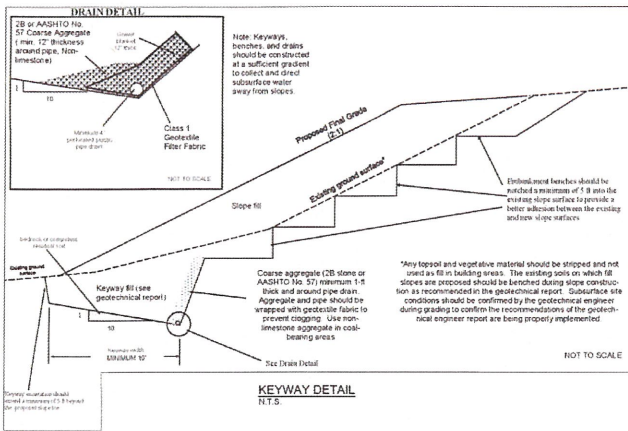
DRAWING TITLE: GRADING PLAN SHEET 2 OF 2

SHEET NO. C-402

CALL BEFORE YOU DIG!

PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE IN CONSTRUCTION PHASE AND 10 WORKING DAYS NOTICE IN DESIGN STAGE TO "PENNSYLVANIA ONE CALL SYSTEM, INC." 1-800-242-1778.

PENNSYLVANIA ACT 187 (1996) NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE COMMONWEALTH. CALL PENNSYLVANIA ONE CALL SYSTEM, INC. AT 1-800-242-1778 BEFORE ANY DISTURBANCE.



BENCH DRAINAGE DETAIL
N.T.S.

NO.	REVISION DESCRIPTION	DATE	APPROVED BY
1	REVISED PER TOWNSHIP COMMENTS	07/03/19	JDC
2	REVISED PER TOWNSHIP COMMENTS	12/20/19	JDC
3	REVISED PER TOWNSHIP COMMENTS	12/20/19	JDC
4	REVISED PER TOWNSHIP COMMENTS	09/19/19	TOM
5	REVISED PER TOWNSHIP COMMENTS	09/19/19	TOM

REFERENCE:
SURVEY BY:
RED SLOPE GROUP
Empire Building - Suite 100
2001 Jukka Run Road
Monroeville, PA 15147
412-878-4403 (office)
724-325-1215 (cellular)
GATED: 4/19/17
TOPOGRAPHIC DATA:
PAGDA



PREPARED BY:
KU Resources, Inc.
Duquesne, PA 15110
412-469-3331
412-469-0238 fax
www.kuresources.com

PREPARED FOR:
MELE & MELE & SONS, INC.
ONE MELE PLACE
BRADDOCK, PA 15104

PROJECT:
**NORTH SIDE CEMETERY
PHASE 2
ROSS TOWNSHIP
ALLEGHENY COUNTY PA**

DRAWING TITLE:
GRADING DETAILS

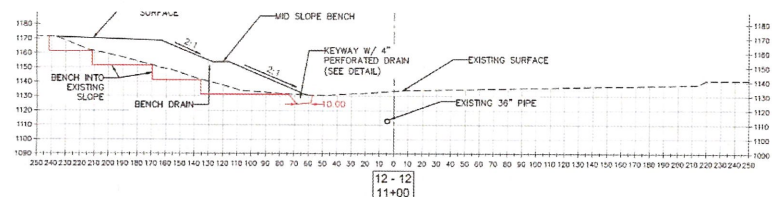
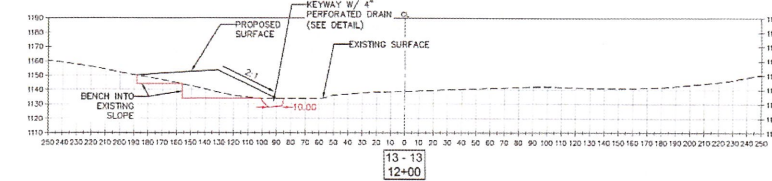
SHEET NO.
C-403

CALL BEFORE YOU DIG!

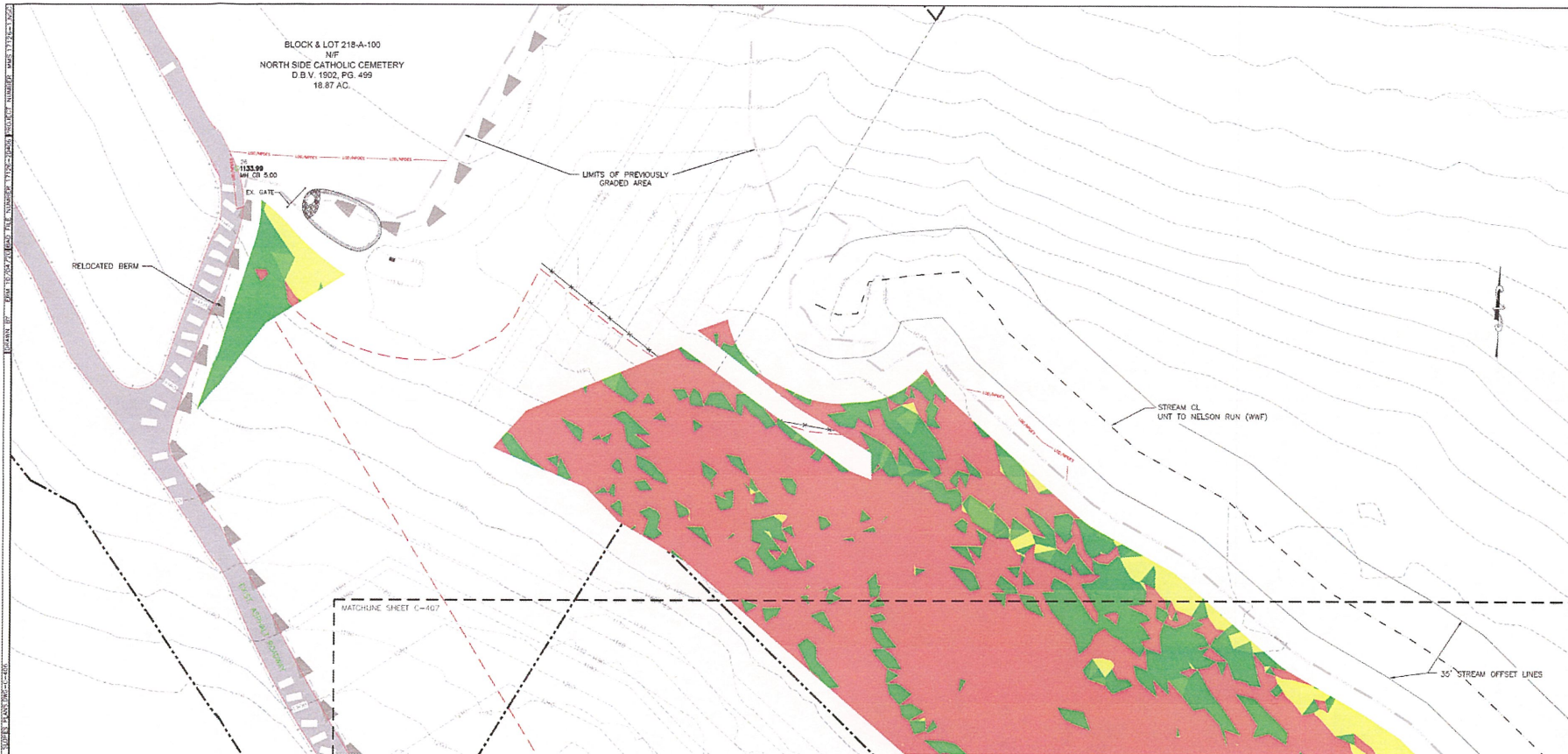


PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE IN CONSTRUCTION PHASE AND 10 WORKING DAYS NOTICE IN DESIGN STAGE TO "PENNSYLVANIA ONE CALL SYSTEM, INC." 1-800-342-1776

PENNSYLVANIA ACT 187 (1988) NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON, PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE COMMONWEALTH, CALL PENNSYLVANIA ONE CALL SYSTEM, INC. AT 1-800-342-1776 BEFORE ANY DISTURBANCE.



C-405B



Slopes Table				
Number	Minimum Slope	Maximum Slope	Color	AREA %
1	0.01%	12.00%	Yellow	7.6
2	12.00%	15.00%	Light Green	1.8
3	15.00%	25.00%	Dark Green	16.2
4	25.00%	>25.00%	Red	74.4

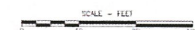
NOTE: BASED ON NEW L.O.D. ONLY

CALL BEFORE YOU DIG!



PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE IN CONSTRUCTION PHASE AND 10 WORKING DAYS NOTICE IN DESIGN STAGE TO "PENNSYLVANIA ONE CALL SYSTEM, INC." 1-800-242-1776.

PENNSYLVANIA ACT 157 (1996) NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE COMMONWEALTH, CALL PENNSYLVANIA ONE CALL SYSTEM, INC. AT 1-800-242-1776 BEFORE ANY DISTURBANCE.



NO.	REVISION DESCRIPTION	DATE	APPROVED BY
1	REVISED PER TOWNSHIP COMMENTS	01/20/20	JDC
2	REVISED PER TOWNSHIP COMMENTS	01/20/20	JDC
3	REVISED PER TOWNSHIP COMMENTS	01/20/20	JDC
4	REVISED PER TOWNSHIP COMMENTS	01/20/20	JDC
5	REVISED PER TOWNSHIP COMMENTS	01/20/20	JDC
6	REVISED PER TOWNSHIP COMMENTS	01/20/20	JDC
7	REVISED PER TOWNSHIP COMMENTS	01/20/20	JDC
8	REVISED PER TOWNSHIP COMMENTS	01/20/20	JDC
9	REVISED PER TOWNSHIP COMMENTS	01/20/20	JDC
10	REVISED PER TOWNSHIP COMMENTS	01/20/20	JDC
11	REVISED PER TOWNSHIP COMMENTS	01/20/20	JDC
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13	REVISED PER TOWNSHIP COMMENTS	01/20/20	JDC
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15	REVISED PER TOWNSHIP COMMENTS	01/20/20	JDC
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28	REVISED PER TOWNSHIP COMMENTS	01/20/20	JDC
29	REVISED PER TOWNSHIP COMMENTS	01/20/20	JDC
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100	REVISED PER TOWNSHIP COMMENTS	01/20/20	JDC

ALLEGHENY COUNTY BY:
 RE: SWING GROUP
 ENGINEERING, INC.
 3051 Jaska Run Road
 Braddock, PA 15110
 412.409.9331
 412.409.9336 fax
 www.kuresources.com
 DATE: APRIL 2017
 REVISIONS: DATA
 PAPER

ENGINEER:

 TYSON O. MILLER
 ENGINEER
 PENNSYLVANIA

PREPARED BY:

KU Resources, Inc.
 42 South Liberty Street
 Duquesne, PA 15110
 412.409.9331
 412.409.9336 fax
 www.kuresources.com

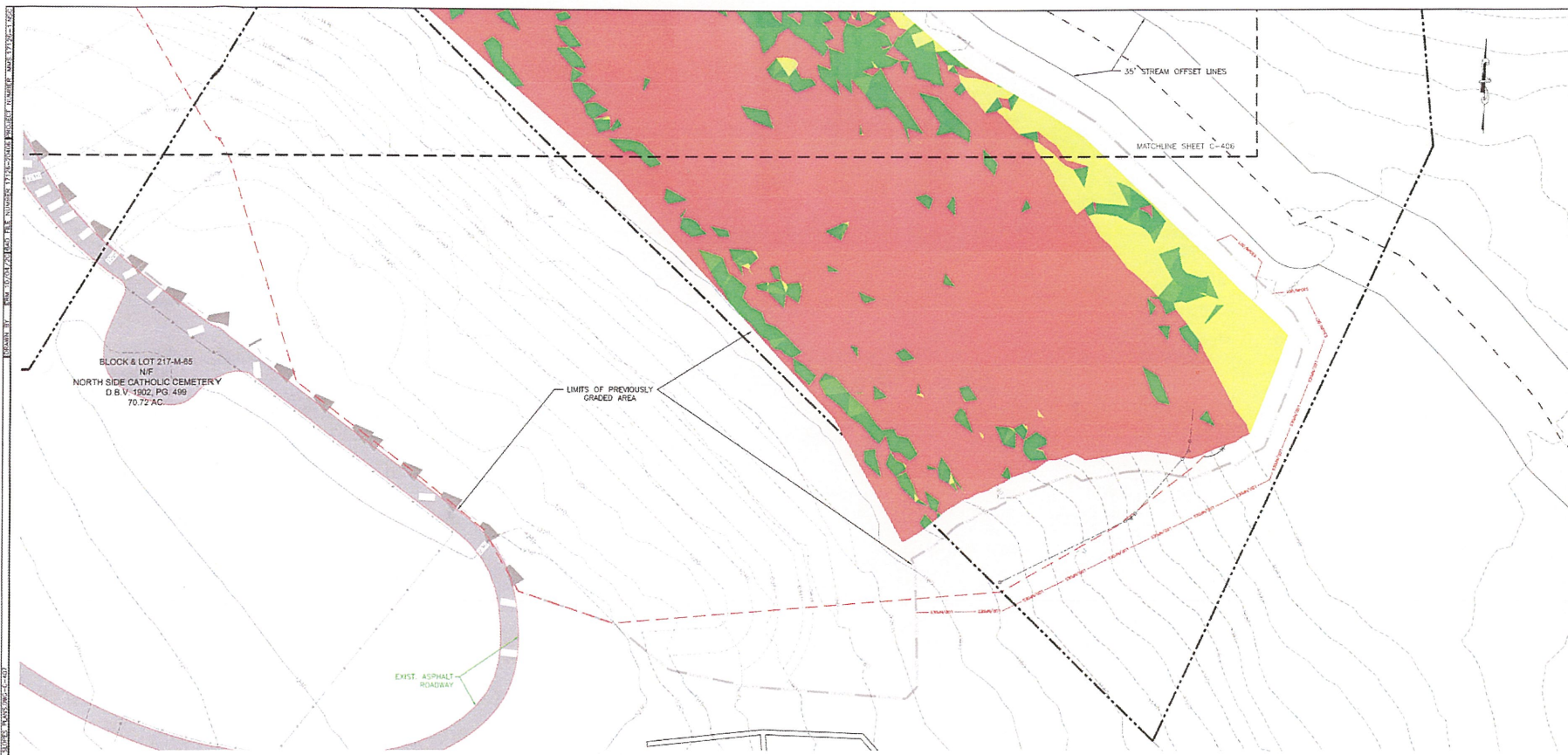
PREPARED FOR:
MELE & MELE & SONS, INC.
 ONE MELE PLACE
 BRADDOCK, PA 15104

PROJECT:
 NORTH SIDE CEMETERY
 PHASE 2
 ROSS TOWNSHIP
 ALLEGHENY COUNTY PA

DRAWING TITLE:
 EXISTING STEEP SLOPES

SHEET NO.
C-406

DATE: 07/03/2019
 APPROVED BY: TOM



Slopes Table				
Number	Minimum Slope	Maximum Slope	Color	AREA %
1	0.01%	12.00%	Yellow	7.6
2	12.00%	15.00%	Light Green	1.8
3	15.00%	25.00%	Dark Green	16.2
4	25.00%	>25.00%	Red	74.4

NOTE: BASED ON NEW L.O.D. ONLY

CALL BEFORE YOU DIG!



PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE IN CONSTRUCTION PHASE AND 10 WORKING DAYS NOTICE IN DESIGN STAGE TO "PENNSYLVANIA ONE CALL SYSTEM, INC." 1-800-242-1776.

PENNSYLVANIA ACT 187 (1996) NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE COMMONWEALTH, CALL PENNSYLVANIA ONE CALL SYSTEM, INC. AT 1-800-242-1776 BEFORE ANY DISTURBANCE.



NO.	1	DATE	09/12/19	APPROVED BY	TOM
REVISION DESCRIPTION	REVISED PER TOWNSHIP COMMENTS				
NO.	2	DATE	10/25/19	APPROVED BY	JDC
REVISION DESCRIPTION	REVISED PER TOWNSHIP COMMENTS				
NO.	3	DATE	10/25/19	APPROVED BY	JDC
REVISION DESCRIPTION	REVISED PER TOWNSHIP COMMENTS				
NO.	4	DATE	01/30/20	APPROVED BY	JDC
REVISION DESCRIPTION	REVISED PER TOWNSHIP COMMENTS				

DESIGNER:
TOWNSHIP SURVEY BY:
HCL SURVEY GROUP
Etiwaco Building - Suite 100
3001 South Main Road
Middletown, PA 17057
#12 578 4401 (office)
#28 326 2215 (cellphone)
DATED: APRIL 2017

TOPOGRAPHIC DATA:
PWSA

ENGINEER:

TYEEN G. MILLER
PROFESSIONAL ENGINEER
No. 12517
State of Pennsylvania

PREPARED BY:

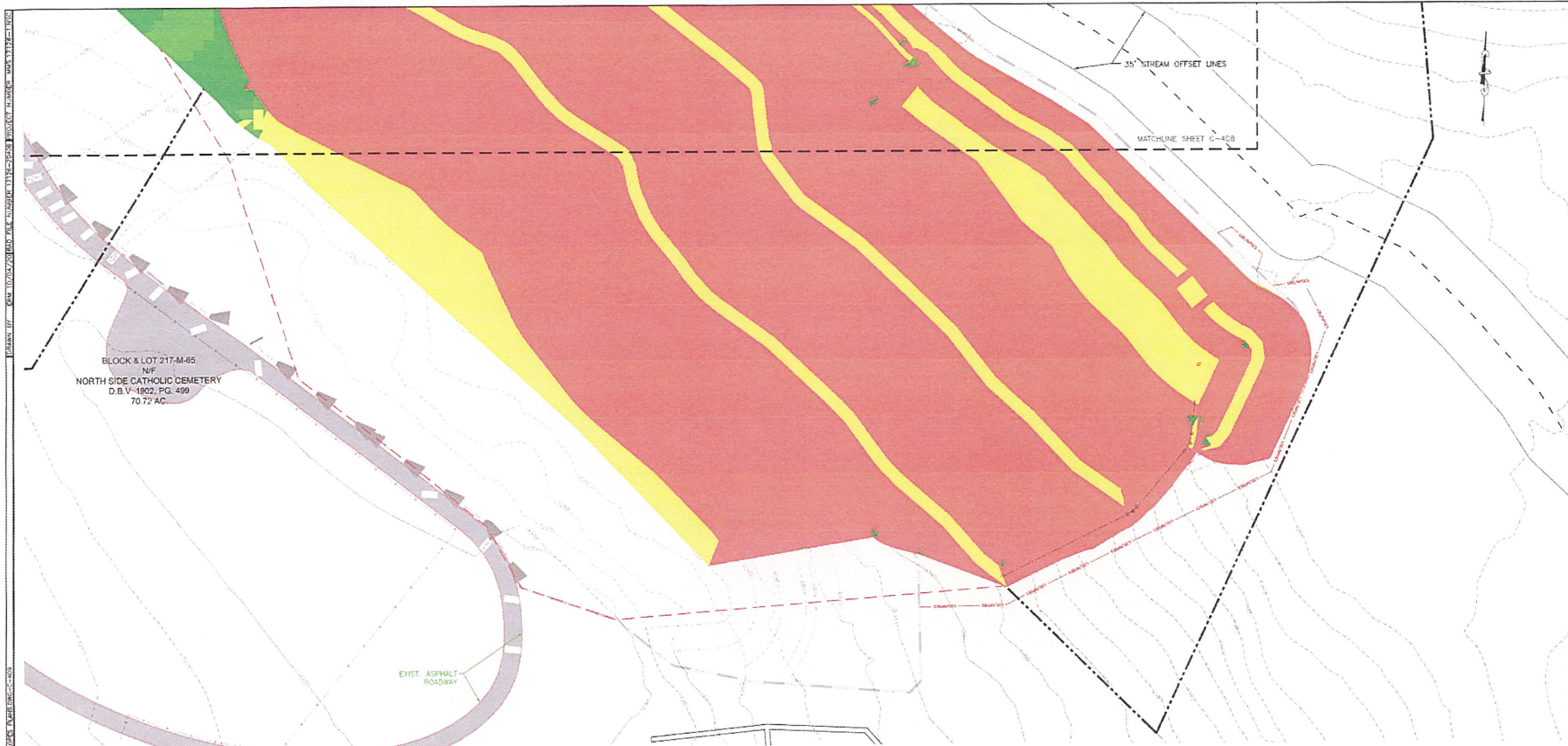
KV Resources, Inc.
22 South Linden Street
Etiwaco, PA 15110
#12 465 0331
#12 595 9326 fax
www.kvresources.com

PREPARED FOR:
MELE & MELE & SONS, INC.
ONE MELE PLACE
BRADDOCK, PA 15104

PROJECT:
**NORTH SIDE CEMETERY
PHASE 2
ROSS TOWNSHIP
ALLEGHENY COUNTY PA**

DRAWING TITLE:
EXISTING STEEP SLOPES

SHEET NO.
C-407



Slopes Table				
Number	Minimum Slope	Maximum Slope	Area %	Color
1	0.00%	12.00%	13.2	Yellow
2	12.00%	15.00%	2.4	Light Green
3	15.00%	25.00%	6.3	Green
4	25.00%	>25.00%	78.1	Red

NOTE: BASED ON NEW L.O.D. ONLY

CALL BEFORE YOU DIG!



PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE IN CONSTRUCTION PHASE AND 10 WORKING DAYS NOTICE IN DESIGN STAGE TO "PENNSYLVANIA ONE CALL SYSTEM, INC." 1-800-242-1775.

PENNSYLVANIA ACT 187 (1989) NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE COMMONWEALTH, CALL PENNSYLVANIA ONE CALL SYSTEM, INC. AT 1-800-242-1775 BEFORE ANY DISTURBANCE.

NO.	REVISION DESCRIPTION	DATE	APPROVED BY
1	REVISED PER TOWNSHIP COMMENTS	01/23/20	JDC
2	REVISED PER TOWNSHIP COMMENTS	12/20/19	JDC
3	REVISED PER TOWNSHIP COMMENTS	10/25/19	JDC
4	REVISED PER NOTES COMMENTS	09/19/19	TOM
CHECKED BY: TOM 07/03/2019 APPROVED BY: TOM 07/03/2019			

DATE: APRIL 2017
TOPOGRAPHIC DATA: NOAA

ENGINEER



PREPARED BY:



KU Resources, Inc.
27 South Limestone Street
Quakertown, PA 15110
412-460-9331
412-460-9330 Fax
www.kuresources.com

PREPARED FOR:

MELE & MELE & SONS, INC.
ONE MELE PLACE
BRADDOCK, PA 15104

PROJECT:

NORTH SIDE CEMETERY
PHASE 2
ROSS TOWNSHIP
ALLEGHENY COUNTY PA

DRAWING TITLE:

PROPOSED STEEP SLOPES

SHEET NO.

C-408A



ROSS TOWNSHIP POLICE DEPARTMENT

Memorandum

TO: Board of Commissioners

FROM: Chief J. Ley

DATE: 2/12/2020

RE: Travel Request

Chief Joseph Ley

March 10-11, 2020; Leadership in Law Enforcement; Columbus Ohio

Estimated Cost: NTE \$375.00

This training provides practical leadership methods for supervisors to enhance leadership skills. Costs for this training include lodging and seminar expenses. These costs have been included in the department's budget.

I would like to thank you in advance for your assistance. If there are any questions or concerns, please do not hesitate to contact me.

ROSS TOWNSHIP POLICE DEPARTMENT

Memorandum

TO: Board of Commissioners

FROM: Chief J. Ley

DATE: 2/11/2020

RE: Travel Request

Please consider the following travel/training request for approval.

Lt. Randy McAllister

March 29 – June 6, 2020 - FBI National Academy – FBI Quantico, VA

The FBI National Academy is a professional course of study for U.S. and international law enforcement leaders. The 10-week program—which provides coursework in intelligence theory, terrorism and terrorist mindsets, management science, law, behavioral science, law enforcement communication, and forensic science—serves to improve the administration of justice in police departments and agencies at home and abroad and to raise law enforcement standards, knowledge, and cooperation worldwide.

There are no costs for the training, lodging and meals as these are all covered by the FBI. Minimal costs associated with travel will be covered in the department budget.

I would like to thank you in advance for your consideration. If there are any questions or concerns, please do not hesitate to contact me.

ROSS TOWNSHIP POLICE DEPARTMENT

Memorandum

TO: Board of Commissioners

FROM: Chief J. Ley

DATE: 2/11/2020

RE: Travel Request

The following is submitted to the Board for your consideration and approval.

Officer Robert Zegar

March 17-20, 2022 Annual Central Square Conference International Education and Training Event, Orlando, FL.

Estimated Cost: NTE \$2200.00

This is the annual training for the officers who manage the Central Square Record Management System (RMS). This training provides face-to-face communication with Central Square Public Sector Staff and develops future training for the department. This allows Ross Township's future needs to be met as well as networking with other customers to better enhance and manage these systems. This seminar further provides the partners, customers and third-party vendors to interact and allow for comprehensive analysis of available system options. Cost for this training is for travel, lodging, meals and seminar expenses. These costs have been included in the department's budget. **Officer Zegar would be attending with Sgt, Matthew Lucas from Bellevue Police Department, who also shares in our RMS that we host here at Ross Township.**

I would like to thank you in advance for your assistance. If there are any questions or concerns, please do not hesitate to contact me.

**ROSS TOWNSHIP CIVIL SERVICE COMMISSION
AMENDED AND RESTATED RULES AND REGULATIONS
RESOLUTION ____-2020**

WHEREAS, Section 2.8 of the Rules and Regulations of the Civil Service Commission of Ross Township provides that the Civil Service Commission may amend, revise, void, or replace the Civil Service Rules for any reason by action of the majority of the Commission at any properly convened meeting of the Commission; and

WHEREAS, the Civil Service Commission is desirous of modifying Section 2.2 of its Rules and Regulations to permit one member of the Civil Service Commission to serve as a member of the Board of Commissioners of the Township of Ross as permitted by Section 627 of the First Class Township Code at 53 P.S. § 55627.

NOW, THEREFORE, BE IT RESOLVED by the Ross Township Civil Service Commission that Section 2.2 of its Rules and Regulations be deleted in its entirety and replaced with the following:

§ 2.2 Offices Incompatible with Civil Service Commissioner

No Commissioner shall at the same time hold an elective or appointed office under the United States government, the Commonwealth of Pennsylvania, or any political subdivision of the Commonwealth, except that one member of the Commission may be a member of the Board of Commissioners of the Township of Ross.

**Approved by a majority of the Commission
the ____ day of _____, 2020
at a public meeting of the Commission:**

**GATEWAY ENGINEERS**

100 MCMORRIS ROAD
PITTSBURGH, PA 15205-9401
412.921.4030 PHONE
855.634.9284 TOLL-FREE
412.921.9960 FAX

GatewayEngineers.com

February 14, 2020
C-34100-2020

Ross Township
1000 Ross Municipal Drive
Pittsburgh, PA 15237

Attn: Ronald Borczyk
Township Manager

Re: 2020 Ross Township Road Program

Dear Mr. Borczyk,

As you are aware, bids were received and opened February 12, 2020 for the 2020 Ross Township Road Program. Six (6) bids, which were properly prepared and met the requirements, were delivered to the Township for the opening. Gateway prepared the bid tabulation from the submitted bids and determined that the low bidder for the Contract is Shields Asphalt Paving, Inc. in the amount of one million five hundred thirty-five thousand three hundred sixty-four dollars and sixty-six cents (\$1,535,364.66).

Based on the bid tabulation prepared by Gateway, we recommend that the Board award the Contract to Shields Asphalt Paving, Inc. in the total amount of one million five hundred thirty-five thousand three hundred sixty-four dollars and sixty-six cents (\$1,535,364.66).

A copy of the certified bid tabulation detailing the unit prices is enclosed. If you have any questions, please contact me at 412-921-4030, Ext. 183.

Sincerely,
THE GATEWAY ENGINEERS, INC.

Bryan W. Flaugh, P.E.
Project Manager

cc: Michael Funk, Public Works Director
Richard D. Minsterman, P.E., Township Engineer

Enclosure

G:\Projects\34000 Ross\34100 - Road programs\2020 Road Program\Docs\Engineering\Specifications\Bid Recommendation Letter.docx

A FULL-SERVICE CIVIL ENGINEERING FIRM

MUNICIPAL ENGINEERING • LAND DEVELOPMENT • SURVEYING • GIS MAPPING
LANDSCAPE ARCHITECTURE • STRUCTURAL ENGINEERING • TRAFFIC ENGINEERING
ENVIRONMENTAL / ECOLOGICAL • GEOTECHNICAL • INSPECTION / MATERIAL TESTING

MISSION STATEMENT

TO HELP OUR CLIENTS REACH A HIGHER
LEVEL OF SUCCESS THROUGH KNOWLEDGE,
EXPERIENCE AND RESPONSIVENESS.

RECORD OF BIDS				Received on: February 12, 2020				C-34100-2020						
Ross Township				The Gateway Engineers, Inc.										
1000 Ross Municipal Drive				100 McMorris Road										
Pittsburgh, PA 15237				Pittsburgh, PA 15205										
2020 Ross Township Road Program														
BIDDERS														
ITEM NO.		DESCRIPTION		UNIT	QTY.	UNIT PRICE	TOTAL	Shields Asphalt Paving, Inc. P.O. Box 672 Valencia, PA 16059	Youngblood Paving, Inc. 2516 State Route 18 Wampum, PA 16157	Independent Enterprises, Inc. P.O. Box 221 Bridgeville, PA 15017	Mele & Mele & Sons, Inc. One Mele Place Braddock, PA 15104	A. Liberoni, Inc. 459 Davidson Road Plum, PA 15239	A. Folino Construction, Inc. 109 Dark Hollow Road Oakmont, PA 15139	
Base Bid														
1		Bituminous Milling (3 1/2" Plus/Minus), complete in place	S.Y.	80,000		\$1.51	\$120,800.00		\$2.05	\$164,000.00	\$1.75	\$140,000.00	\$1.98	\$158,400.00
2		ID-2 Binder Course (19mm) - 2" Compacted Depth, complete in place	TON	9,720		\$66.96	\$650,851.20		\$71.89	\$698,770.80	\$75.00	\$729,000.00	\$75.34	\$732,304.80
3		ID-2 Wearing Course, 0-0.3 Million ESALs (9.5mm), 1 1/2" Compacted Depth, complete in place	S.Y.	72,000		\$6.70	\$482,400.00		\$6.77	\$487,440.00	\$7.20	\$518,400.00	\$7.47	\$537,840.00
4		19mm Superpave Binder Course, 2" Compacted Depth, complete in place	TON	1,080		\$66.96	\$72,316.80		\$73.89	\$79,801.20	\$75.00	\$81,000.00	\$75.19	\$81,205.20
5		9.5mm Fine Grade Superpave Wearing Course, 0-0.3 Million ESAL's, 1 1/2" Compacted Depth, complete in place	S.Y.	8,000		\$6.70	\$53,600.00		\$6.98	\$55,840.00	\$7.25	\$58,000.00	\$7.50	\$60,000.00
6		1/2" Scratch Course, complete in place	TON	200		\$74.99	\$14,998.00		\$85.62	\$17,124.00	\$70.00	\$14,000.00	\$94.13	\$18,826.00
7		Bituminous Wedge Curb Replacement, complete in place	L.F.	53,000		\$0.22	\$11,660.00		\$0.30	\$15,900.00	\$0.50	\$26,500.00	\$0.87	\$46,110.00
8		MH / Inlet Adjustments, complete in place	E.A.	140		\$209.51	\$29,331.40		\$275.00	\$38,500.00	\$250.00	\$35,000.00	\$225.00	\$31,500.00
9		ADA Ramp Replacement, complete in place	E.A.	2		\$4,692.10	\$9,384.20		\$2,650.00	\$5,300.00	\$2,800.00	\$5,600.00	\$2,455.00	\$5,331.48
10		Base Repair, complete in place	S.Y.	1,100		\$29.92	\$32,912.00		\$37.85	\$41,635.00	\$35.00	\$38,500.00	\$39.00	\$42,900.00
11		Rain Conductor Repair, complete in place	L.F.	50		\$12.13	\$606.50		\$19.75	\$987.50	\$10.00	\$500.00	\$6.50	\$325.00
12		Traffic Loop Reinstatement, complete in place	E.A.	1		\$3,343.18	\$3,343.18		\$3,250.00	\$3,250.00	\$2,000.00	\$2,000.00	\$12.50	\$625.00
13		Line Stripping, complete in place	L.S.	1		\$8,413.74	\$8,413.74		\$9,200.00	\$9,200.00	\$8,305.00	\$8,305.00	\$2,090.00	\$2,090.00
14		Photographic Documentation and Restoration, complete in place	E.A.	36		\$1,242.99	\$44,747.64		\$2,280.00	\$82,080.00	\$1,200.00	\$43,200.00	\$708.00	\$25,488.00
Base Bid Total						*	\$1,535,364.66		\$1,699,828.50	★	\$1,700,005.00		\$1,750,504.00	\$1,822,432.11

Certified As A Correct
 Copy Of All Bids Received
 By: 
 Date: 02/14/2020

* Apparent low bidder
 Line Item No. 3 multiplied incorrectly. Line Item no. 3 showed an incorrect total of \$522,000.00. Total Bid incorrectly showed \$1,703,605.00.