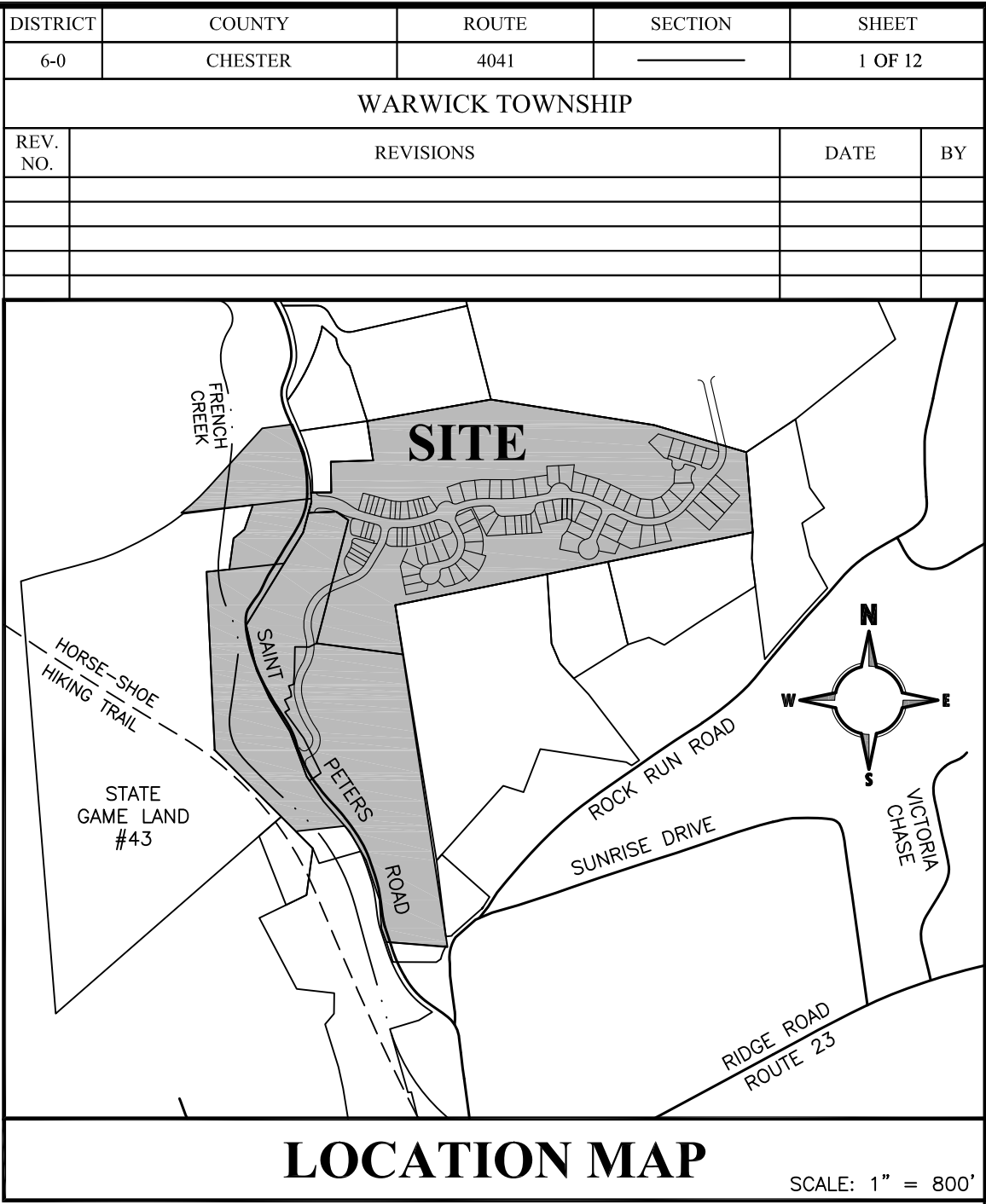


GRANITE VILLAGE AT ST. PETER'S
HIGHWAY OCCUPANCY PERMIT PLANS
FOR
STATE ROUTE 4041 SECTION _____
IN CHESTER COUNTY

FROM STA. _____ TO STA. _____ LENGTH 79.00 FT.
FROM SEG. 0010 OFFSET 2575 TO SEG. 0010 OFFSET 2654

AND

FROM STA. 34+20 TO STA. 41+25 LENGTH 705.00 FT.
FROM SEG. 0010 OFFSET 3420 TO SEG. 0010 OFFSET 4125



SHEET INDEX

- COVER SHEET
- GENERAL NOTES AND LOCATION MAP PLAN
- TYPICAL SECTIONS AND DETAILS PLAN
- CONSTRUCTION / GRADING PLAN FALLS DRIVE
- PAVEMENT MARKING & SIGNING PLAN FALLS DRIVE
- S.R. 4041 CROSS SECTIONS
- S.R. 4041 CROSS SECTIONS
- PRE CONSTRUCTION DRAINAGE PLAN FALLS DRIVE
- POST CONSTRUCTION DRAINAGE PLAN FALLS DRIVE
- CONSTRUCTION / GRADING PLAN QUARRY VIEW ROAD
- PAVEMENT MARKING & SIGNING PLAN QUARRY VIEW ROAD
- OVERALL SITE PLAN

5	02/05/2008	REVISED PER PENNDOT COMMENTS
4	10/15/2007	REVISED PER PENNDOT COMMENTS
3	08/24/2007	REVISED PER PENNDOT COMMENTS
2	06/04/2007	REVISED PER PENNDOT COMMENTS
1	04/20/2007	REVISED PER PENNDOT COMMENTS



PENNSYLVANIA ONE CALL SYSTEM
PA ACT 181 REQUIRES
THREE WORKING DAYS NOTICE
SERIAL NUMBERS:
2425321

PENNSYLVANIA ACT 181 REQUIREMENTS:
EARTH ENTERPRISES DOES NOT GUARANTEE THE ACCURACY OF THE
LOCATIONS FOR EXISTING SUBSURFACE UTILITY STRUCTURES SHOWN
ON THE PLANS. NOR DOES EARTH ENTERPRISES GUARANTEE THAT ALL
SUBSURFACE STRUCTURES ARE SHOWN. THE CONTRACTOR SHALL
VERIFY THE LOCATION AND ELEVATION OF ALL UNDERGROUND
UTILITIES AND STRUCTURES BEFORE THE START OF WORK.

DESIGN DESIGNATION

HIGHWAY CLASSIFICATION	- CENTRAL RURAL COLLECTOR
POSTED SPEED LIMIT	- 25 MPH
PAVEMENT WIDTH	- 19 FEET
SHOULDER WIDTH	- NONE

TRAFFIC DATA

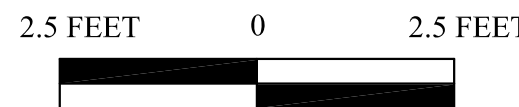
CURRENT A.D.T.	3,193 (2006)
DESIGN YEAR A.D.T.	3,816 (2016)
D.H.V.	3,005
D	55%
T	9%

SCALE

HORIZONTAL



VERTICAL



PREPARED BY:

REG. PROFESSIONAL ENGINEER

DATE: _____



Dimmerling Consulting, Inc.
Traffic and Transportation Engineering Services

Commonwealth Plaza
200 Spring Ridge Drive, Suite 204
Wyomissing, PA 19610

Phone (610) 898-8451

Fax (610) 898-8449

COVER SHEET

HIGHWAY IMPROVEMENTS
FOR
GRANITE VILLAGE
AT ST. PETERS

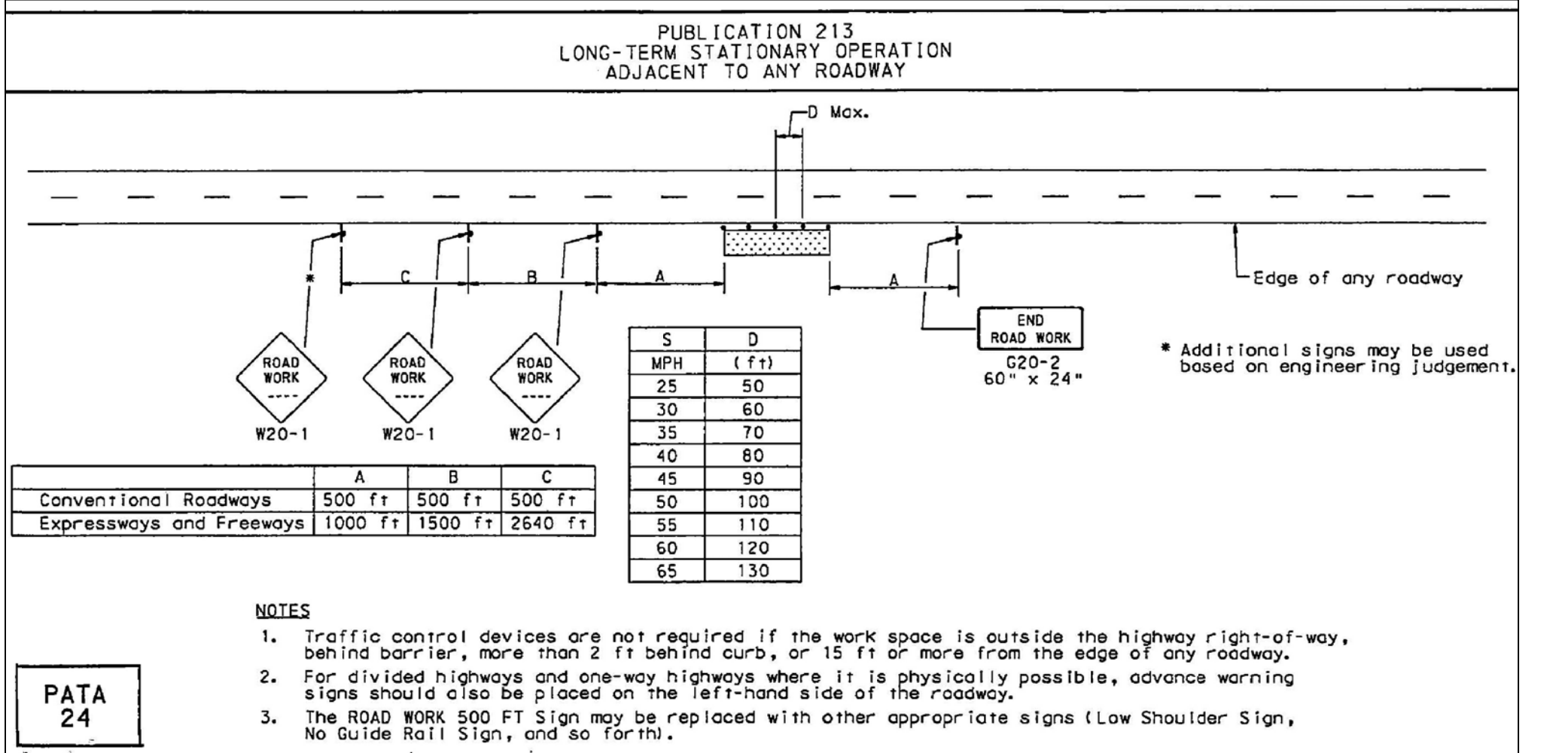
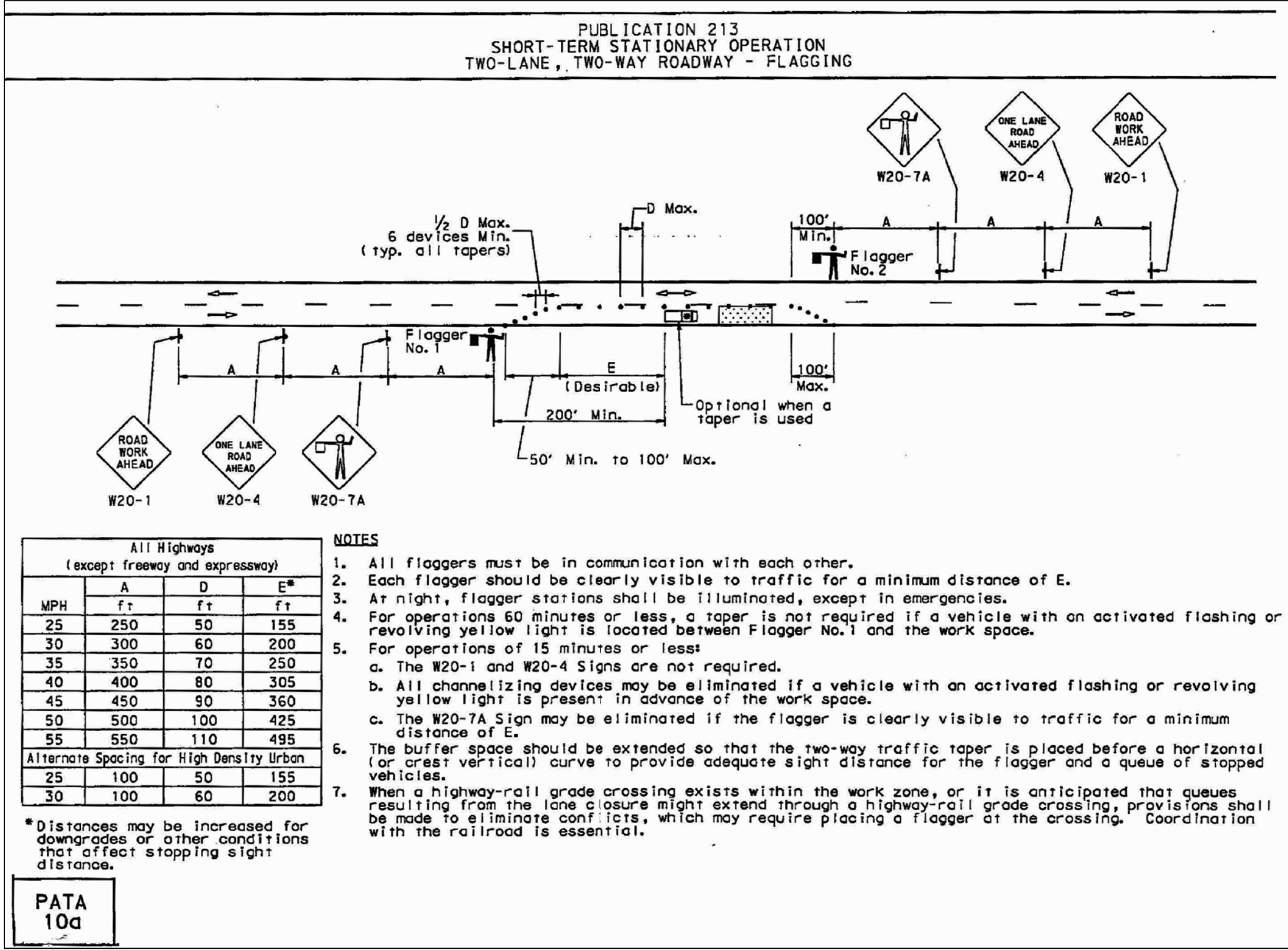
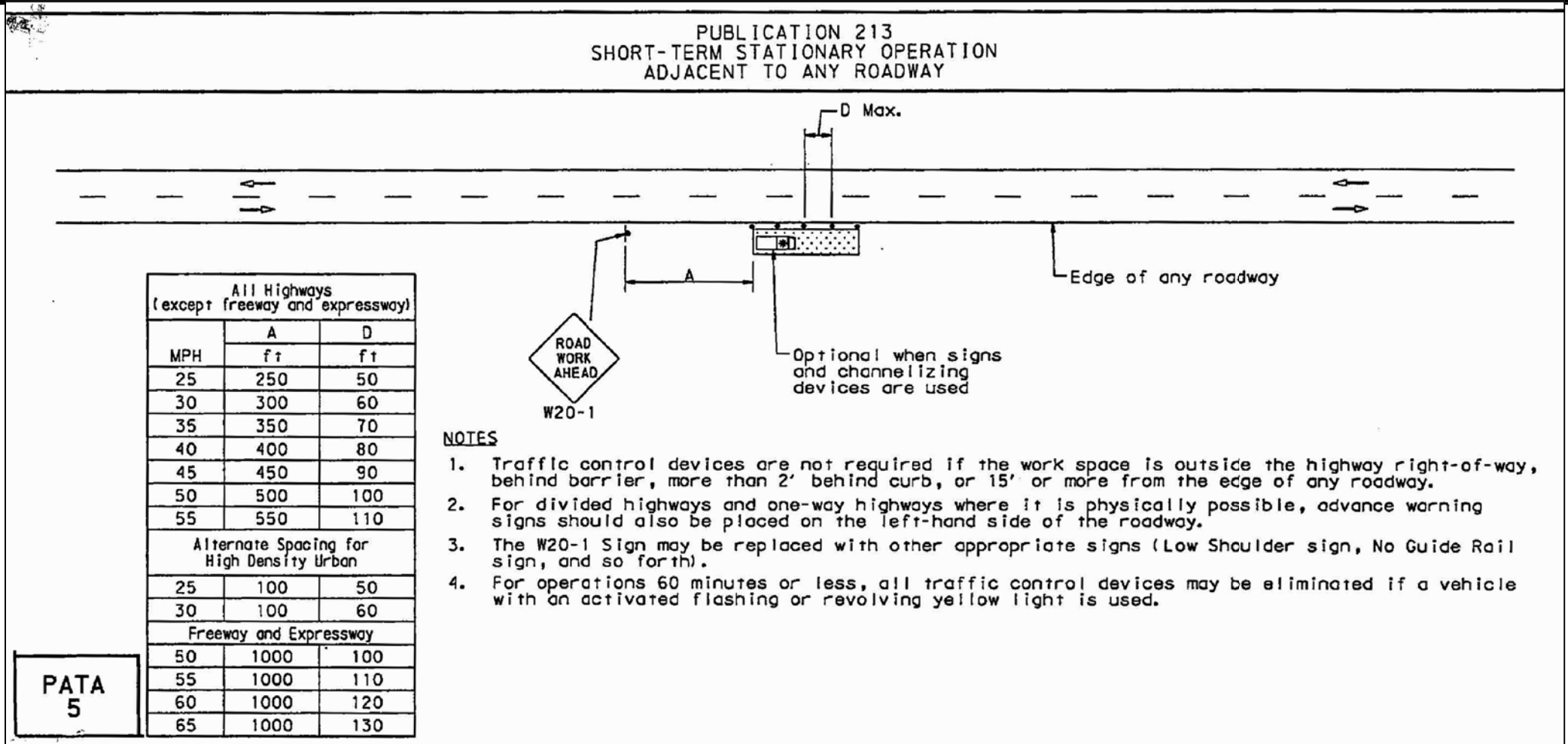


EARTH ENTERPRISES
1441 PRIZER ROAD
PUGHSTOWN, PA 19465
Phone: (610) 469-8800
Fax: (610) 469-8900

Project: 10091
Date: 11/17/2006
Scale: N/A
Drawn: TAH
Checked: CAD

1

OF 12



LIST OF PUBLIC UTILITIES

COMPANY	ADDRESS
METROPOLITAN EDISON COMPANY	P.O. BOX 212, 501 WASHINGTON STREET, READING, PA 19603
SERVICE ELECTRIC CABLEVISION, INC.	6400 PERKIOMEN AVE, BIRDSBORO, PA 19508
VERIZON PENNSYLVANIA, INC.	1717 ARCH STREET PHILADELPHIA, PA 19103
WARWICK WATER WORKS	1411 ST. PETER'S ROAD, ST. PETER'S, PA 19740
WARWICK DRAINAGE COMPANY	1411 ST. PETER'S ROAD, ST. PETER'S, PA 19740
PA ONE-CALL TOLL FREE TELEPHONE NO. 1-800-242-1776	
PA ONE-CALL SERIAL NO. 2425321	

GENERAL NOTES:

- BOUNDARY SURVEY OF ASSESSMENT MAP 19-6, PARCEL 33.3 BY EDWARD B. WALSH AND ASSOCIATES, INC. IN ACCORDANCE WITH DEEDS OF RECORD, PARCELS 21, 137, AND 141 PLOTTED FROM PLAN OF SUBDIVISION OF ST. PETERS CONDOMINIUM AND PENNSYLVANIA GRANITE CORPORATION DATED 10-16-91 AND LAST REVISED 12-30-91 BY CHESTER VALLEY ENGINEERS, INC. (CHESTER COUNTY RECORDED PLAN NO. 11673-C) PARCEL 19-6-21.1 PLOTTED FROM ST. PETERS CONDOMINIUM PLAN LAST REVISED 7-31-85, ALSO BY CHESTER VALLEY ENGINEERS, INC. BOUNDARY SURVEY CORRELATED TO RECORD PLANS.
- PROJECT BENCHMARK IS TOP OF GRATE OF EXISTING STORM SEWER INLET LOCATED IN THE NORTHEAST SHOULDER OF SR 4041 BETWEEN BUILDINGS 17A AND 18 AS SHOWN ON CHESTER COUNTY RECORDED PLAN NO. 11673-C ELEVATION 391.42 (DATUM APPROX. USGS).
- THE EXISTING SPEED LIMIT ON SR 4041 IS 25 M.P.H.
- THE RIGHT-OF-WAY ALONG THIS SECTION OF SR 4041 IS 33' WIDE AND FREE ACCESS. RIGHT OF WAY TAKEN FROM PLAN OF SUBDIVISION OF ST. PETERS CONDOMINIUM AND PENNSYLVANIA GRANITE CORPORATION DATED 10-16-91 AND LAST REVISED 12-30-91 BY CHESTER VALLEY ENGINEERS, INC. (CHESTER COUNTY RECORDED PLAN NO. 11673-C)
- THE SURVEY AND SITE GRADING PROVIDED BY EARTH ENTERPRISES, 1441 PRIZER ROAD, PUGHTOWN, PA 19465.
- ALL EARTH SLOPES FLATTER THAN 3:1 ARE TO BE SEEDED WITH FORMULA "D" SEED MIXTURE. ALL EARTH SLOPE 3:1 OR STEEPER ARE TO BE SEEDED WITH FORMULA "L" SEED MIXTURE.
- THE LOCATION OF ALL UTILITIES ARE APPROXIMATE AND MUST BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION. ALL UTILITIES SERVICED IN AREA ARE TO BE LOCATED, THE USER TO BE NOTIFIED, AND ALL MEASURES TAKEN TO PROTECT LINES IN ACCORDANCE WITH PENNSYLVANIA ACT 199. THE CONTRACTOR MUST CONTACT THE PENNSYLVANIA ONE-CALL NUMBER AT 1-800-242-1776, THREE WORKING DAYS PRIOR TO THE START OF WORK TO HAVE ALL UTILITIES MARKED IN THE WORK AREA.
- DO NOT INTERFERE WITH THE OPERATION OF ANY FIRE HYDRANTS, FIRE CALL BOX OR POLICE CALL BOX.
- THIS PROJECT IS SUBJECT TO INSPECTION BY THE PENNSYLVANIA DEPARTMENT OF TRANSPORTATION.
- ALL CURVE DATA IS BASED ON THE ARC DEFINITION UNLESS OTHERWISE INDICATED.
- ALL DRAINAGE PIPES ARE TO BE IN ACCORDANCE WITH PENNDOT DESIGN MANUAL 2 AND CURRENT APPLICATION CRITERIA.
- ANY SCALED DIMENSION FROM THIS PLAN SHALL NOT BE USED FOR CONSTRUCTION WITHOUT CONFIRMATION BY DIMMERLING CONSULTING, INC.
- THE PROPOSED BOTTOM OF SUBBASE ELEVATIONS SHALL BE NO HIGHER THAN THE EXISTING BOTTOM OF SUBBASE ELEVATION.
- DO NOT PARK ANY PERSONNEL VEHICLE WITHIN THE HIGHWAY RIGHT OF WAY WITHOUT PERMISSION OF THE INSPECTOR IN CHARGE.
- STAKE OR MARK SIGN LOCATIONS OR LOCATE SIGNS ON CONSTRUCTION DRAWINGS BEFORE REMOVING ANY SIGNS. REINSTALL EXISTING WARNING SIGNS AT APPROPRIATE LOCATIONS WITHIN 4 HOURS AS HEREIN NOTED, REINSTALL EXISTING REGULATORY, GUIDE, AND DIRECTIONAL SIGNS AT APPROPRIATE LOCATIONS WITHIN 24 HOURS OF THEIR REMOVAL.
- THE CHOSEN CONTRACTOR SHALL ESTABLISH A NAME AND PHONE NUMBER FOR THE PERSON RESPONSIBLE FOR TRAFFIC PROTECTION 24 HOURS A DAY, SEVEN DAYS A WEEK, AND WILL BE REQUIRED TO HAVE A PAGER.
- REPLACE IN KIND ALL SIGNS OR POSTS DAMAGED DURING REMOVAL OR REINSTALLATION.
- SIGNS MUST BE PLACED IN ACCORDANCE WITH PUBLICATION 111M.
- ALL UTILITY RELOCATIONS, CONNECTIONS AND INSTALLATIONS WITHIN THE STATE R.O.W. ARE REQUIRED TO BE SHOWN ON THE PLAN AND APPLIED FOR AND CONSTRUCTED UNDER SEPARATE HIGHWAY OCCUPANCY PERMITS ISSUED TO THE UTILITY SUPPLIER.
- THIS PERMIT MAY BE RESTRICTED ON WORKING HOURS AND TIMES FOR HOLIDAYS, WEEKENDS, AND SPECIAL UNFORESEEN EVENTS AND WILL REQUIRE APPROVAL FROM THE COUNTY OFFICE PRIOR TO WORKING DURING THESE PERIODS.
- FOR PERMITS REQUIRING A STATE INSPECTOR, FOLLOWING THE PERMITTEE'S REQUEST, ALL WORK WITHIN THE RIGHT-OF-WAY MUST BE COMPLETED WITHOUT INTERRUPTIONS.
- WHEN THE SAW CUT MUST BE PLACED BEYOND THE SHOULDER DURING SHOULDER UPGRADING TO REMOVE DAMAGED ROADWAY, IT MAY BECOME NECESSARY TO OVERLAY THE TRAVEL LANE TO PREVENT A JOINT IN A WHEEL PATH.
- THE FACE OF ALL UTILITY POLES MUST BE A MINIMUM OF 4 FEET BEHIND THE OUTSIDE EDGE OF AN EXISTING OR PROPOSED SHOULDER OR A MINIMUM OF 2 FEET FROM THE FACE OF EXISTING OR PROPOSED CURB.
- ALL PERMANENT SIGNS MUST BE FABRICATED BY AN APPROVED SIGN MANUFACTURER LISTED IN THE DEPARTMENT'S PUBLICATION 35, BULLETIN 15.
- CONTRACTOR WILL NOTIFY THE PENNDOT PRESS OFFICE A MINIMUM OF THREE WORKING DAYS PRIOR TO THE CLOSING OF TRAVEL LANE.
- ALL WORK TO BE BUILT IN ACCORDANCE TO SPRING TOWNSHIP ORDINANCE STANDARDS AS WELL AS THE FOLLOWING:
 - PENNDOT PUBLICATION NUMBER 408M SPECIFICATIONS
 - PENNDOT PUBLICATION NUMBERS 34, 35, 41 AND 42 (APPROVED CONSTRUCTION MATERIALS)
 - PENNDOT PUBLICATION NUMBER 72M STANDARDS FOR ROADWAY CONSTRUCTION
 - PENNDOT PUBLICATION NUMBER 282
 - PENNDOT PUBLICATION NUMBER 213
 - PENNDOT PUBLICATION NUMBER 70M
 - PENNDOT PUBLICATION NUMBER 111M
 - PENNDOT PUBLICATION NUMBER 13M
 - PENNDOT PUBLICATION NUMBER 236M BOTH STANDARD AND METRIC LATEST EDITIONS
 - PENNSYLVANIA CODE TITLE 67, CHAPTER 441 AND 459
 - MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) - LATEST EDITION

SEQUENCE OF CONSTRUCTION:

- ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. EACH STAGE SHALL BE COMPLETED IN COMPLIANCE WITH CHAPTER 102 REGULATIONS BEFORE ANY FOLLOWING STAGE IS INITIATED. CLEARING AND GRUBBING SHALL BE LIMITED ONLY TO THOSE AREAS DESCRIBED IN EACH STAGE.
- AT LEAST SEVEN (7) DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, THE OPERATOR SHALL CONTACT ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES, THE LAND OWNER, ALL APPROPRIATE MUNICIPAL OFFICIALS, THE EROSION AND SEDIMENTATION CONTROL PLAN PREPARER, AND A REPRESENTATIVE OF THE CHESTER COUNTY CONSERVATION DISTRICT TO SCHEDULE AN ON-SITE PRE-CONSTRUCTION MEETING. ALSO, AT LEAST THREE (3) DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES SHALL NOTIFY THE PENNSYLVANIA ONE CALL SYSTEM INC. AT 1-800-242-1776 FOR BURIED UTILITY LOCATIONS.
- BEFORE IMPLEMENTING ANY REVISIONS TO THE APPROVED EROSION AND SEDIMENT CONTROL PLAN OR REVISIONS TO OTHER PLANS WHICH MAY AFFECT THE EFFECTIVENESS OF THE APPROVED E&S CONTROL PLAN, THE OPERATOR MUST RECEIVE APPROVAL OF THE REVISIONS FROM THE CHESTER COUNTY CONSERVATION DISTRICT.
- THE OPERATOR SHALL REMOVE FROM THE SITE, RECYCLE OR DISPOSE OF ALL BUILDING MATERIALS AND WASTES IN ACCORDANCE WITH THE DEPARTMENTS SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA CODE 560.1 ET SEQ., 271.1 E. SEQ. AND 287.1 ET SEQ.
- BEFORE DISPOSING OF SOIL OR RECEIVING BORROW FOR THE SITE, THE OPERATOR MUST ASSURE THAT EACH SPOIL OR BORROW AREA HAS AN EROSION AND SEDIMENT CONTROL PLAN APPROVED BY THE CHESTER COUNTY CONSERVATION DISTRICT, AND WHICH IS BEING IMPLEMENTED AND MAINTAINED ACCORDING TO CHAPTER 102 REGULATIONS.

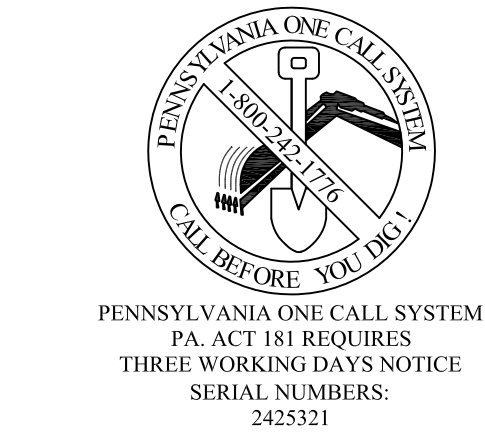
- INSTALL PERIMETER SILT FENCING IN ACCORDANCE WITH EROSION AND SEDIMENT CONTROL PLAN.
- PRIOR TO START OF SR4041 SHOULDER / ROADWAY IMPROVEMENTS, INSTALL TRAFFIC CONTROL SIGNING IN ACCORDANCE WITH PATA 24, PENNDOT PUBLICATION 213.
- CLEAR AND GRUB AREAS FOR PROPOSED SHOULDER / ROADWAY WIDENING.
- PRIOR TO WORK WITHIN OR ENCRDACHING SR4041 TRAVEL LANES, SUPPLEMENT TRAFFIC CONTROL SIGNING WITH PATA 10A FOR SHORT TERM LANE CLOSURES.
- REMOVE AND INSTALL STORMWATER DRAINAGE FACILITIES.
- INSTALL SUBBASE.
- INSTALL BITUMINOUS PAVING.
- INSTALL FINAL VEGETATION INCLUDING SOD AND LANDSCAPING. CLEAR SITE OF DEBRIS AND ALL UNWANTED MATERIALS. DISPOSAL SHALL BE IN A SAFE AND LAWFUL MANNER.
- UPON SITE STABILIZATION (70% PERENNIAL GROWTH), REMOVE EROSION & SEDIMENT CONTROL FACILITIES AND DEMOBILIZE.
- AT THE END OF EACH WORK DAY S.R. 4041 SHALL MAINTAIN TWO 10' (MINIMUM) TRAVEL LANES. WHEN NECESSARY, THE SAFETY SLOPE BUILD-UP SHALL BE PROVIDED IN ACCORDANCE WITH THE DROPOFF TREATMENT DETAIL ON SHEET 3 OF 9.

GENERAL NOTES (cont.):

- ALL CURBING TO HAVE AN 8-INCH REVEAL UNLESS OTHERWISE NOTED.
- ALL SIGHT DISTANCE OBSTRUCTIONS(INCLUDING BUT NOT LIMITED TO EMBANKMENTS AND VEGETATION) SHALL BE REMOVED BY THE PERMITTEE TO PROVIDE A MINIMUM OF 250 FEET OF CONTINUOUS SIGHT DISTANCE TO THE LEFT AND 195 FEET OF CONTINUOUS SIGHT DISTANCE TO THE RIGHT FOR A DRIVER EXITING THE PROPOSED FALLS DRIVE ONTO THE STATE HIGHWAY. THE DRIVER MUST BE CONSIDERED TO BE POSITIONED 10' FEET FROM THE NEAR EDGE OF THE CLOSEST HIGHWAY THROUGH TRAVEL LANE (FROM THE CURB LINE IF CURBING IS PRESENT) AT AN EYE HEIGHT OF THREE-FEET, SIX-INCHES (3'-6") ABOVE THE PAVEMENT SURFACE. THE POINT SIGHTED BY THE EXITING DRIVER SHALL BE THREE-FEET, SIX-INCHES (3'-6") ABOVE THE PAVEMENT SURFACE LOCATED IN THE CENTER OF THE CLOSEST HIGHWAY TRAVEL LANE DESIGNATED FOR USE BY APPROACHING TRAFFIC. THIS SIGHT DISTANCE SHALL BE MAINTAINED BY THE PERMITTEE.
- THE PERMITTEE SHALL INSURE THAT THE SIGHT DISTANCE AT THE DRIVEWAYS SERVICING OTHER PROPERTIES OR AT OTHER INTERSECTIONS IS NOT REDUCED UNLESS EXISTING AND PROPOSED VALUES EXCEED THE DESIRABLE VALUES SPECIFIED IN THE PENNSYLVANIA CODE, TITLE 67, TRANSPORTATION, CHAPTER 441.8.1 AS A RESULT OF THE WORK PERFORMED IN ACCORDANCE WITH THE STATE HIGHWAY OCCUPANCY PERMIT.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE ANY DEBRIS AND FLUSH OUT ALL EXISTING AND PROPOSED STORM DRAINAGE FACILITIES WITHIN THE PROJECT LIMITS AT THE COMPLETION OF CONSTRUCTION.
- ALL INLETS WITHIN THE STATE MAINTAINED RIGHT-OF-WAY MUST HAVE STRUCTURAL STEEL BICYCLE SAFE GRATES.
- ONLY PRECAST INLET BOXES SUPPLIED BY A MANUFACTURER LISTED IN PENNDOT PUBLICATION 35, BULLETIN 15 WILL BE PERMITTED FOR USE WITHIN THE STATE MAINTAINED RIGHT-OF-WAY.
- ALL ABANDONED STORM SEWER PIPES ARE TO BE CAPPED AND FILLED WITH FLOWABLE CONCRETE FILL.
- IF DIRECTED, EITHER MILLING OR AN INTERMEDIATE 19mm BINDER LEVELING COURSE WILL BE REQUIRED TO ACHIEVE PROFILE PRIOR TO THE WEARING COURSE OVERLAY.
- NO UNSUITABLE MATERIAL IS TO BE USED IN ANY PORTION OF THE ROADWAY CONSTRUCTION. REMOVE ANY SUBGRADE THAT CANNOT BE PROPERLY COMPACTED AND THAT IS UNSUITABLE MATERIAL. UNDERCUTTING AND/OR SUBGRADE STABILIZATION MAY BE REQUIRED.
- SAWLINE LOCATIONS MAY BE ADJUSTED IN THE FIELD AS DEEMED NECESSARY BY A PENNDOT REPRESENTATIVE.
- THE RESPONSIBILITY FOR ENSURING THAT ALL UTILITY POLES WITHIN THE PROPOSED PAVING ARE RELOCATED OUTSIDE OF PAVED AREAS AND SHOULDERS SHALL BE THAT OF THE PERMITTEE. THE UTILITY POLES MUST BE RELOCATED BEFORE THE START OF ANY PAVING OPERATIONS.
- ALL UTILITY RELOCATION PERMITS TAKE PRECEDENCE OVER THE UTILITY RELOCATION POSITIONS SHOWN ON THE HOP PLANS.
- ALL SIGHT DISTANCE OBSTRUCTIONS (INCLUDING BUT NOT LIMITED TO EMBANKMENTS AND VEGETATION) SHALL BE REMOVED BY THE PERMITTEE TO PROVIDE A MINIMUM OF 250 FEET OF CONTINUOUS SIGHT DISTANCE TO THE LEFT AND 195 FEET OF CONTINUOUS SIGHT DISTANCE TO THE RIGHT FOR A DRIVER EXITING THE PROPOSED QUARRY VIEW ROAD ONTO THE STATE HIGHWAY. THE DRIVER MUST BE CONSIDERED TO BE POSITIONED 10' FEET FROM THE NEAR EDGE OF THE CLOSEST HIGHWAY THROUGH TRAVEL LANE (FROM THE CURBLINE IF CURBING IS PRESENT) AT AN EYE HEIGHT OF THREE-FEET, SIX-INCHES (3'-6") ABOVE THE PAVEMENT SURFACE. THE POINT SIGHTED BY THE EXITING DRIVER SHALL BE THREE-FEET, SIX-INCHES (3'-6") ABOVE THE PAVEMENT SURFACE LOCATED IN THE CENTER OF THE CLOSEST HIGHWAY TRAVEL LANE DESIGNATED FOR USE BY APPROACHING TRAFFIC. THIS SIGHT DISTANCE SHALL BE MAINTAINED BY THE PERMITTEE
- A MINIMUM 2' PAVING NOTCH MUST BE PROVIDED AT THE LIMIT OF THE PROPOSED BITUMINOUS PAVEMENT WIDENING.

MAINTENANCE AND PROTECTION OF TRAFFIC:

- FURNISH, ERECT, PLACE AND MAINTAIN TRAFFIC CONTROL SIGNS AND DEVICES AND MAINTAIN TRAFFIC DURING HOURS OF CONSTRUCTION AND AT ALL OTHER TIMES IN ACCORDANCE WITH THE METHODS INDICATED ON THESE DRAWINGS AND:
 - THE SPECIAL PROVISIONS OF THE CONTRACT.
 - PA CODE, TITLE 67, CHAPTER 212, OFFICIAL TRAFFIC CONTROL DEVICES, PUBLICATION 213, WORK ZONE TRAFFIC CONTROL.
 - PENNDOT PUBLICATION NO. 35, APPROVED CONSTRUCTION MATERIALS (BULLETIN 15).
 - PENNDOT PUBLICATION NO. 408, SPECIFICATIONS.
- IMMEDIATELY UPON COMPLETION OF THE WORK, REMOVE THE DEVICES.
- THE ENGINEER WILL INSPECT ALL TRAFFIC CONTROL DEVICES PRIOR TO START OF WORK.
- COVER OR REMOVE ALL SIGNS NOT IN USE AND ALL CONFLICTING SIGNS AND ALL CONFLICTING PAVEMENT MARKINGS.
- ALL SIGNS TO BE MOUNTED ON TYPE III BARRICADES UNLESS OTHERWISE NOTED.
- ALL SIGNS TO BE IN NEW OR LIKE NEW CONDITION AND MAINTAINED AS SUCH.
- DRIVEWAYS ARE TO BE KEPT ACCESSIBLE AT ALL TIMES. LOCATE ALL SIGNS SO THAT SIGHT DISTANCE WILL NOT BE OBSTRUCTED AT DRIVEWAYS AND SIDE STREETS.
- ALL LONG TERM ADVANCE WARNING SIGNS TO BE TYPE III OR TYPE VII SHEETING.
- CONTRACTOR IS TO NOTIFY LOCAL EMERGENCY UNITS (POLICE, FIRE, MEDICAL, ETC.) BUSINESSES, SCHOOL DISTRICT AND THE GENERAL PUBLIC AT LEAST ONE WEEK PRIOR TO THE START OF WORK.
- PROPERLY BARRICADE AND SECURE THE WORK AREA DURING WORKING HOURS TO PROVIDE FULL WIDTH USE FOR THROUGH TRAFFIC LANES UNDER SHORT TERM OPERATIONS. RETURN ALL LANES TO NORMAL TRAFFIC FLOW AT CLOSE OF WORKDAY.
- REMOVE EXISTING WARNING, REGULATORY, GUIDE, AND DIRECTIONAL SIGNS AS REQUIRED TO ACCOMMODATE CONSTRUCTION OPERATION. DO NOT REMOVE STOP OR YIELD SIGNS UNLESS AN ALTERNATE TYPE OF TRAFFIC CONTROL IS PROVIDED, SUCH AS FLAGGERS, TEMPORARY TRAFFIC SIGNALS, ETC. CONTINUE THE ALTERNATE TRAFFIC CONTROL UNTIL THE STOP AND/OR YIELD SIGNS ARE REPLACED.
- MAINTENANCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH APPLICABLE FIGURES PATA 5, 10A, AND 24 IN PENNDOT PUBLICATION 213, "WORK ZONE TRAFFIC CONTROL GUIDELINES", JANUARY 1, 2006 AND TITLE 67 PA CODE, CHAPTER 212, "OFFICIAL TRAFFIC CONTROL DEVICES", DATED FEBRUARY 4, 2006 OR MOST CURRENT.
- NO TRAFFIC RESTRICTIONS OR LANE CLOSURES ARE PERMITTED ON LEGAL HOLIDAYS AND BETWEEN THE HOURS OF 6:00 AM TO 9:00 AM AND 3:00 PM TO 6:00 PM, MONDAY THROUGH FRIDAY.
- REMOVE ALL SHORT TERM WORK ZONE TRAFFIC CONTROL SIGNING UPON COMPLETION OF THAT DAY'S WORK PERIOD.
- DO NOT STOP TRAFFIC FLOW WITHIN THE WORK AREA FOR MORE THAN A 5-MINUTE PERIOD AT ANY ONE TIME.
- THE PROPOSED DRIVEWAY / ACCESS MUST REMAIN CLOSED WITH "ROAD CLOSED" SIGNS ON TYPE III BARRICADES AND BARRELS UNTIL FALLS DRIVE IS READY TO BE OPENED.



PENNSYLVANIA ONE CALL SYSTEM
PA ACT 181 REQUIRES
THREE WORKING DAYS NOTICE
SERIAL NUMBER:
2425321

PENNSYLVANIA ACT 181 REQUIREMENTS:
EARTH ENTERPRISES DOES NOT GUARANTEE THE ACCURACY OF THE LOCATION FOR EXISTING SUBSURFACE UTILITY STRUCTURES SHOWN ON THE PLANS, NOR DOES EARTH ENTERPRISES GUARANTEE THAT ALL SUBSURFACE STRUCTURES ARE SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES BEFORE THE START OF WORK.

5	02/05/2008	REVISED PER PENNDOT COMMENTS
4	10/15/2007	REVISED PER PENNDOT COMMENTS
3	08/24/2007	REVISED PER PENNDOT COMMENTS
2	06/04/2007	REVISED PER PENNDOT COMMENTS
1	04/20/2007	REVISED PER PENNDOT COMMENTS

 **Dimmerling Consulting, Inc.**
Traffic and Transportation Engineering Services

Commonwealth Plaza
200 Spring Ridge Drive, Suite 204
Wyomissing, PA 19610

Phone (610) 898-8451 Fax (610) 898-8449

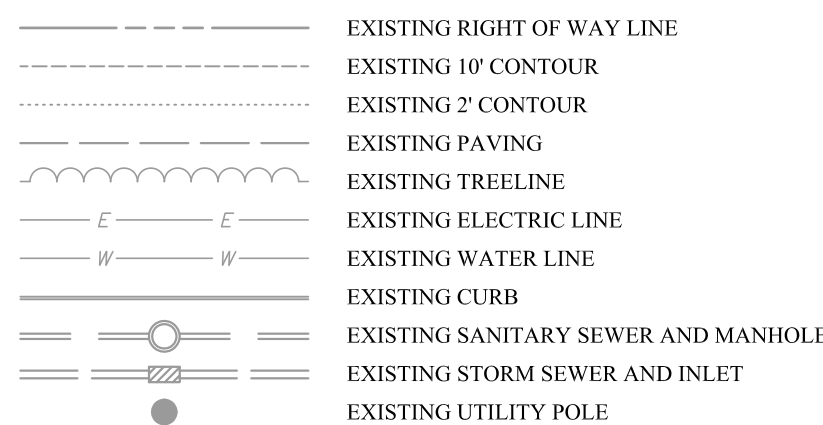
GENERAL NOTES AND LOCATION MAP PLAN		HIGHWAY IMPROVEMENTS FOR GRANITE VILLAGE AT ST. PETERS	
WARWICK TOWNSHIP • CHESTER COUNTY • PENNSYLVANIA			
	EARTH ENTERPRISES 1441 PRIZER ROAD PUGHTOWN, PA 19465 Phone: (610) 469-8800 Fax: (610) 469-8900	Project: 10001 Date: 11/17/2006 Scale: 1" = 25' Drawn: TAH Checked: CAD	2



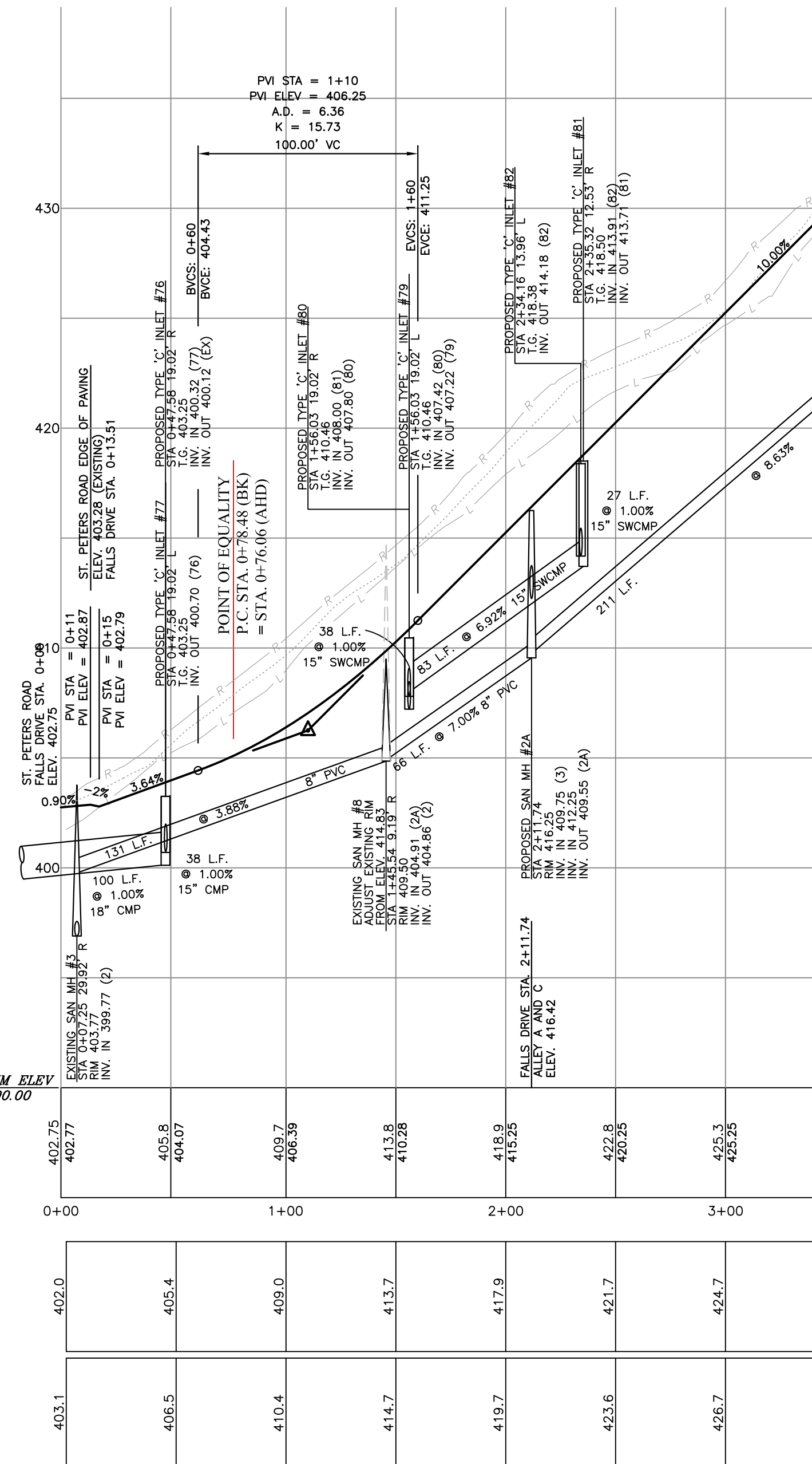
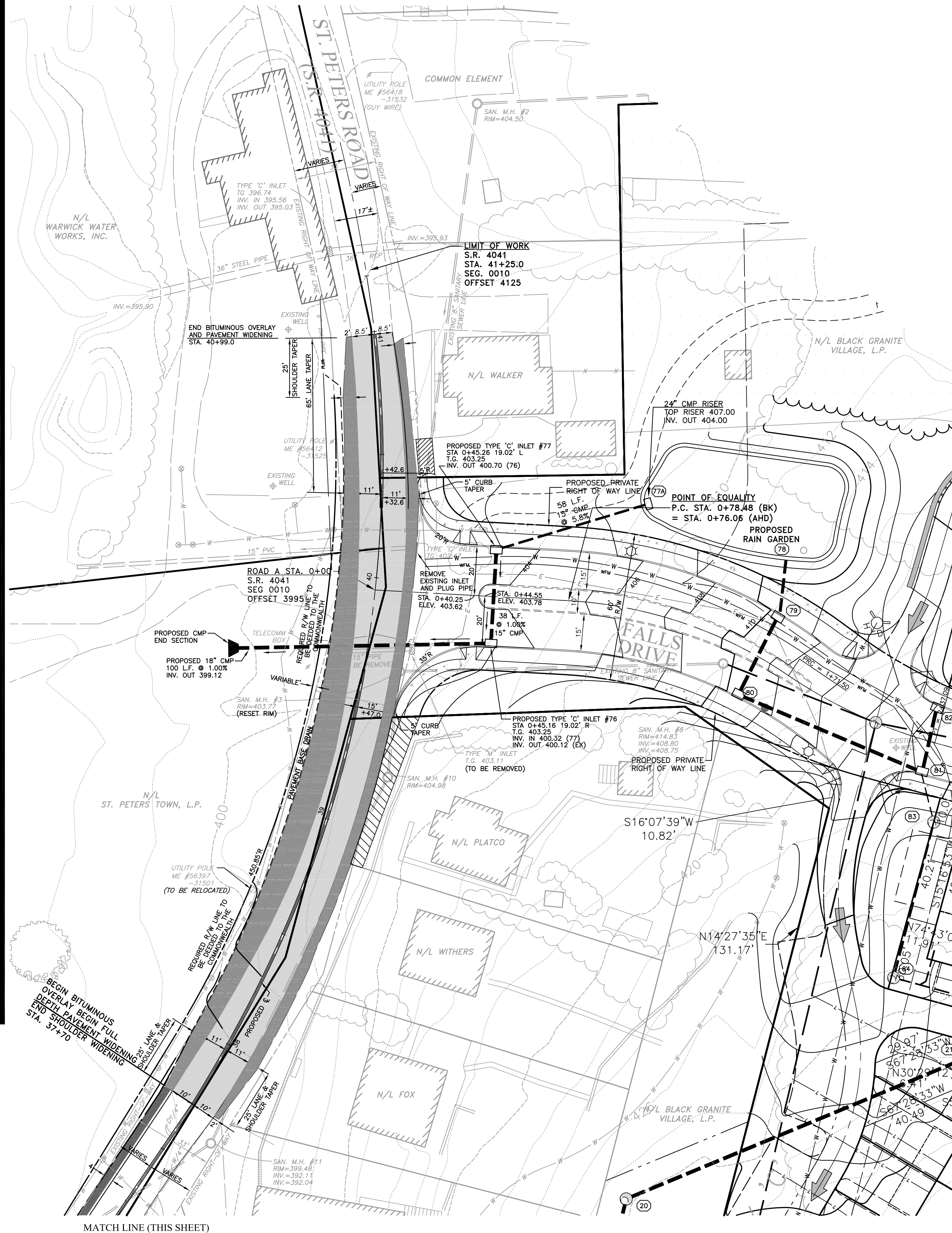
PENNSYLVANIA ONE CALL SYSTEM
PA. ACT 181 REQUIRES
THREE WORKING DAYS NOTICE
SERIAL NUMBERS:
2425321

PENNSYLVANIA ACT 187 REQUIREMENTS:
EARTH ENTERPRISES DOES NOT GUARANTEE THE ACCURACY OF THE LOCATIONS FOR EXISTING SUBSURFACE UTILITY STRUCTURES SHOWN ON THE PLANS, NOR DOES EARTH ENTERPRISES GUARANTEE THAT ALL SUBSURFACE STRUCTURES ARE SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES BEFORE THE START OF WORK.

LEGEND



	PROPOSED PAVEMENT WIDENING
	PROPOSED BITUMINOUS OVERLAY
	PROPOSED SHOULDER WIDENING
	DRIVEWAY ADJUSTMENT AND TEMPORARY CONSTRUCTION EASEMENT
	TEMPORARY CONSTRUCTION EASEMENT



FALLS DRIVE NOTES:

ACTUAL SITE DISTANCE:
325' LOOKING RIGHT
450' LOOKING LEFT
REQUIRED SITE DISTANCE:
195' LOOKING RIGHT
250' LOOKING LEFT
DISTANCE TO NEAREST DRIVE:
55' RIGHT
240' LEFT
DISTANCE TO NEAREST INTERSECTION:
1580' RIGHT (SCHOOL ROAD)
3000' LEFT (ROCK RUN ROAD)
AVERAGE DAILY TRAFFIC:
150 TRIPS

FALLS DRIVE PROFILE
FROM STA. 0+00 TO 3+00

SCALE: HOR. 1"=50'
VER. 1"=5'



Dimmerling Consulting, Inc.
Traffic and Transportation Engineering Services

**Commonwealth Plaza
200 Spring Ridge Drive, Suite 204
Wyomissing, PA 19610**

Phone (610) 898-8451 **Fax (610) 898-8452**

Phone (610) 898-8451

Fax (610) 898-8449

CONSTRUCTION
GRADING PLAN

HIGHWAY IMPROVEMENTS
FOR
GRANITE VILLAGE
AT ST. PETERS

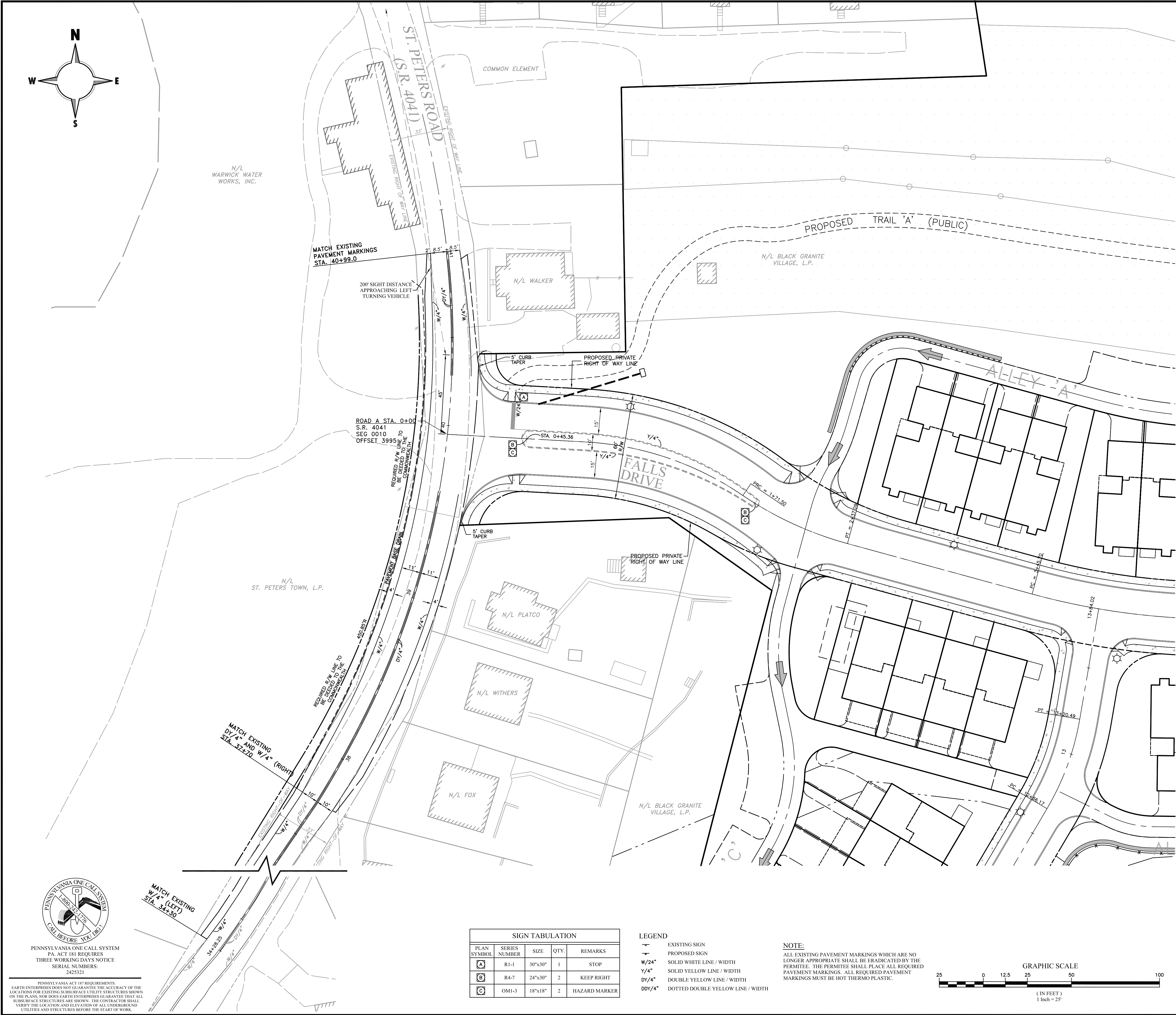


EARTH ENTERPRISES
1441 PRIZER ROAD
PUGHTOWN, PA 19465
Phone: (610) 469-8800
Fax: (610) 469-8900

Project:	10001
Date:	11/17/
Scale:	1" = 2'
Drawn:	TAH
Checked:	CAD

4

OF :

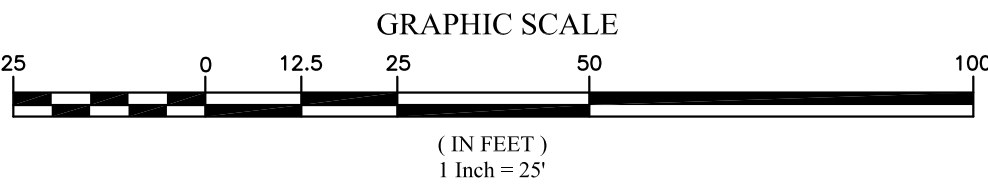


DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
6-0	CHESTER	4041	_____	5 OF 12	
WARWICK TOWNSHIP					
REV. NO.	REVISIONS			DATE	BY

SIGN TABULATION				
PLAN SYMBOL	SERIES NUMBER	SIZE	QTY.	REMARKS
	R1-1	30"x30"	1	STOP
	R4-7	24"x30"	2	KEEP RIGHT
	OM1-3	18"x18"	2	HAZARD MARKER

LEGEND	
	EXISTING SIGN
	PROPOSED SIGN
W/24"	SOLID WHITE LINE / WIDTH
Y/4"	SOLID YELLOW LINE / WIDTH
DY/4"	DOUBLE YELLOW LINE / WIDTH
DDY/4"	DOTTED DOUBLE YELLOW LINE / WIDTH

NOTE:
ALL EXISTING PAVEMENT MARKINGS WHICH ARE NO LONGER APPROPRIATE SHALL BE ERADICATED BY THE PERMITEE. THE PERMITEE SHALL PLACE ALL REQUIRED PAVEMENT MARKINGS. ALL REQUIRED PAVEMENT MARKINGS MUST BE HOT THERMO PLASTIC.

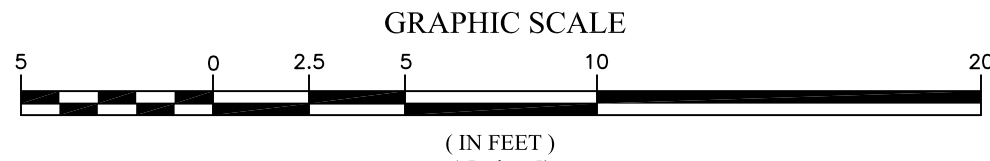
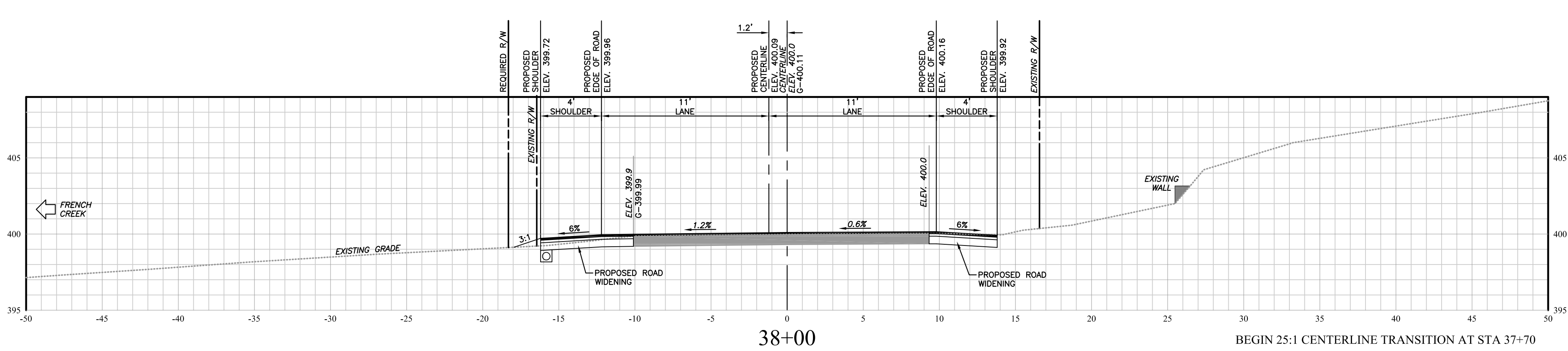
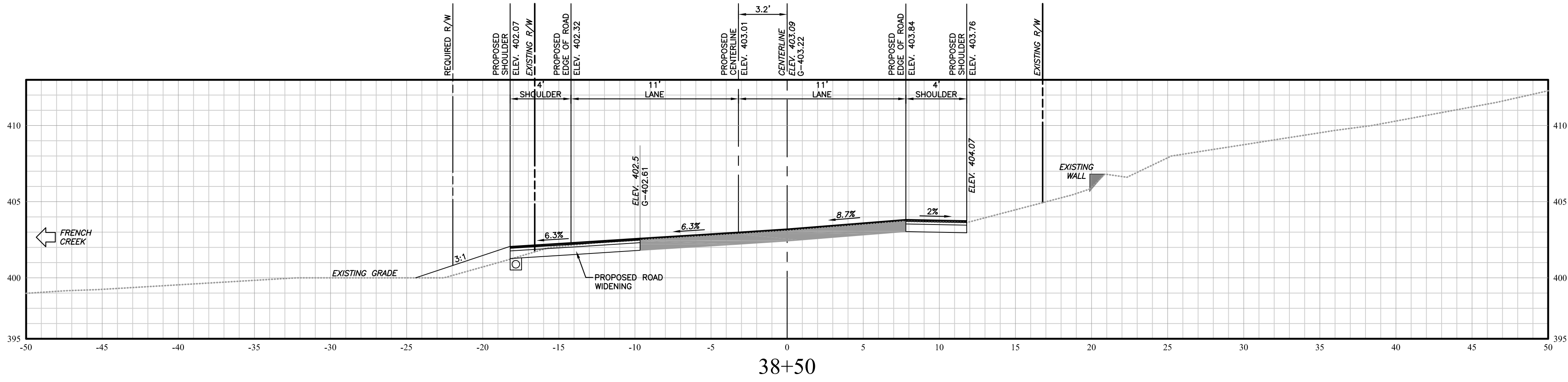
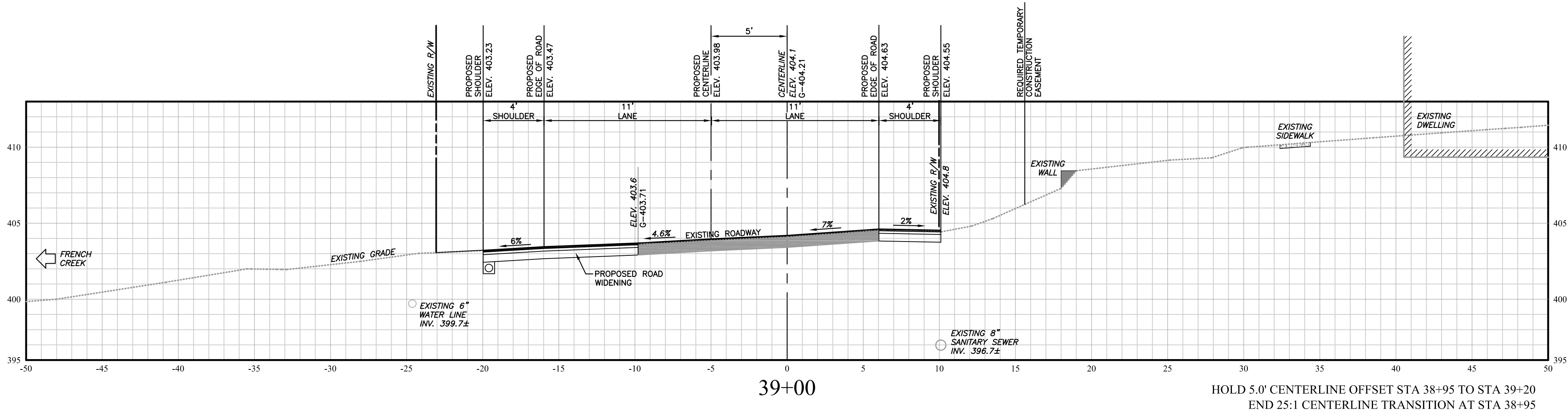


5	02/05/2008	REVISED PER PENNDOT COMMENTS
4	10/15/2007	REVISED PER PENNDOT COMMENTS
3	08/24/2007	REVISED PER PENNDOT COMMENTS
2	06/04/2007	REVISED PER PENNDOT COMMENTS
1	04/20/2007	REVISED PER PENNDOT COMMENTS

**Dimmerling Consulting, Inc.**
Traffic and Transportation Engineering Services
Commonwealth Plaza
200 Spring Ridge Drive, Suite 204
Wyomissing, PA 19610
Phone (610) 898-8451 Fax (610) 898-8449

PAVEMENT MARKING & SIGNING PLAN		HIGHWAY IMPROVEMENTS FOR GRANITE VILLAGE AT ST. PETERS	
WARWICK TOWNSHIP • CHESTER COUNTY • PENNSYLVANIA		EARTH ENTERPRISES 1441 PRIZER ROAD PUGHTOWN, PA 19465 Phone: (610) 469-8800 Fax: (610) 469-8800	
		Project: 10001 Date: 11/17/2006 Scale: 1" = 25' Drawn: TAH Checked: CAD	5 OF 12

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	CHESTER	4041		6 OF 12
WARWICK TOWNSHIP				
REV. NO.	REVISIONS			DATE
				BY



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Phone (610) 898-8451 Fax (610) 898-8449

S.R. 4041 CROSS SECTIONS	HIGHWAY IMPROVEMENTS FOR GRANITE VILLAGE AT ST. PETERS
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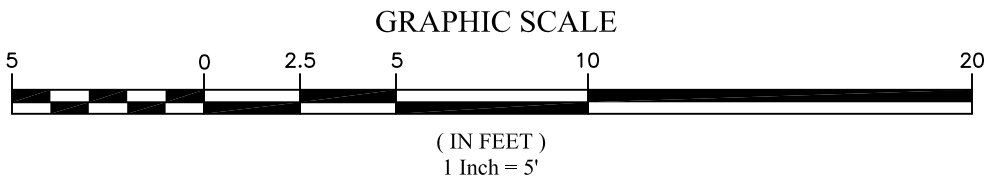
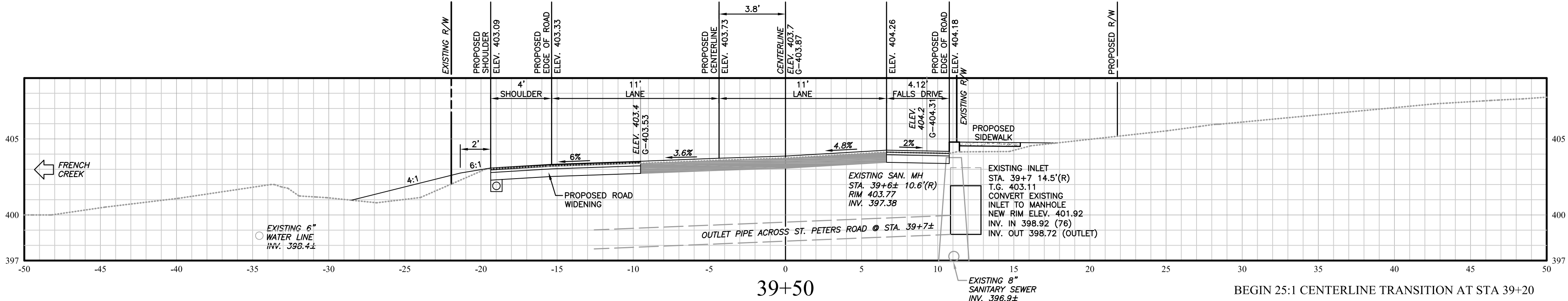
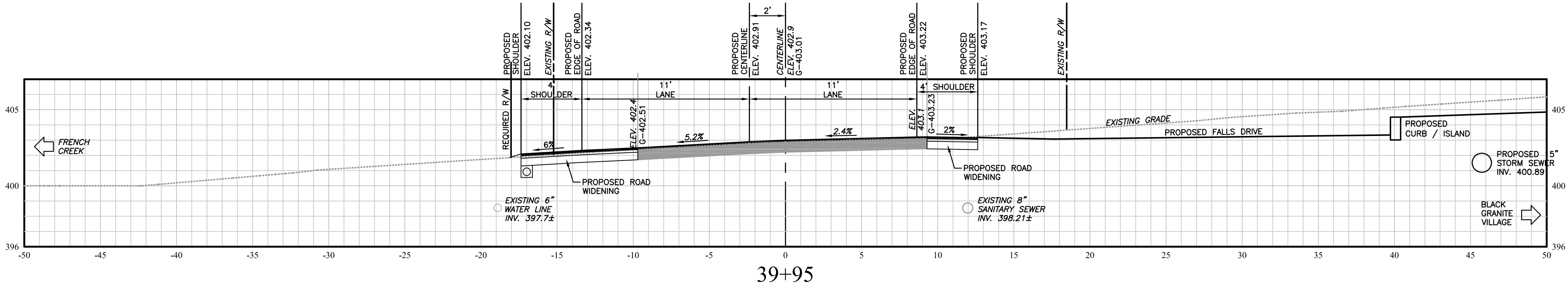
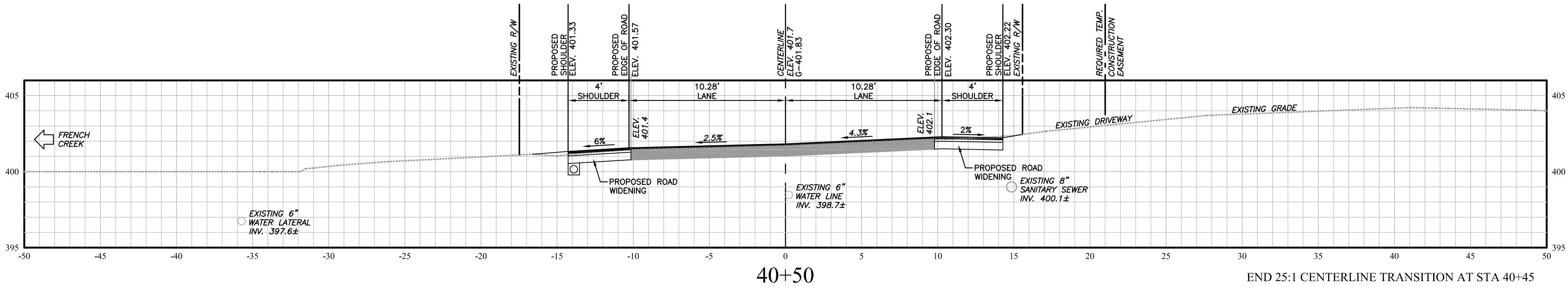
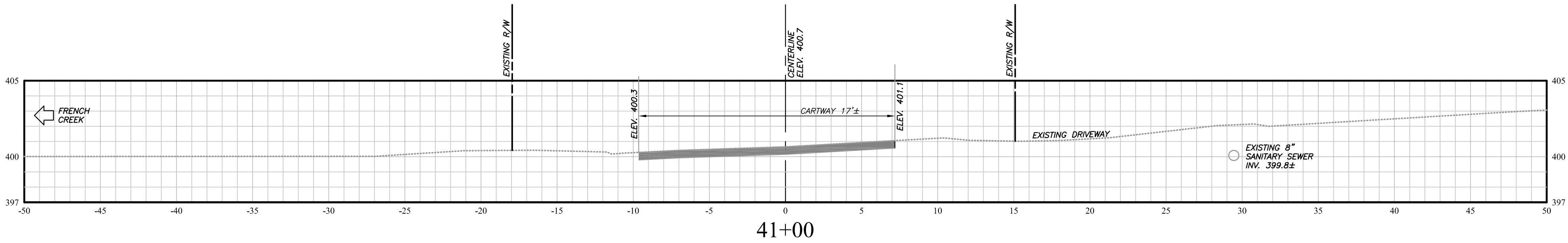
WARWICK TOWNSHIP • CHESTER COUNTY • PENNSYLVANIA	EARTH ENTERPRISES 1441 PRIZER ROAD PUGHTOWN, PA 19465 Phone: (610) 469-8900 Fax: (610) 469-8900	Project: 10001 Date: 11/17/2006 Scale: 1" = 5' Drawn: TAH Checked: CAD	6 OF 12
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PENNSYLVANIA ONE CALL SYSTEM
PA ACT 181 REQUIRES
THREE WORKING DAYS NOTICE
SERIAL NUMBERS:
2425321

PENNSYLVANIA ACT 181 REQUIREMENTS:
EARTH ENTERPRISES DOES NOT GUARANTEE THE ACCURACY OF THE
LOCATIONS FOR EXISTING SUBSURFACE UTILITY STRUCTURES SHOWN
ON THE PLANS. NOR DOES EARTH ENTERPRISES GUARANTEE THAT ALL
SUBSURFACE STRUCTURES ARE SHOWN. THE CONTRACTOR SHALL
VERIFY THE LOCATION AND ELEVATION OF ALL UNDERGROUND
UTILITIES AND STRUCTURES BEFORE THE START OF WORK.

DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
6-0	CHESTER	4041	_____	7 OF 12	
WARWICK TOWNSHIP					
REV. NO.	REVISIONS			DATE	BY



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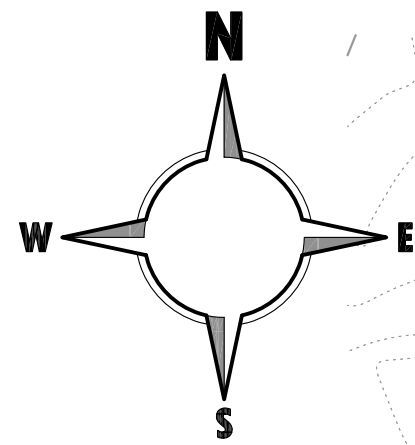
S.R. 4041
CROSS SECTIONS
HIGHWAY IMPROVEMENTS
FOR
GRANITE VILLAGE
AT ST. PETERS

WARWICK TOWNSHIP • CHESTER COUNTY • PENNSYLVANIA	EARTH ENTERPRISES 1441 PRIZER ROAD PUGHTOWN, PA 19465 Phone: (610) 469-8800 Fax: (610) 469-8900	Project: 10001 Date: 11/17/2006 Scale: 1" = 5' Drawn: TAH Checked: CAD
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DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
6-0	CHESTER	4041	_____	4 OF 12	
WARWICK TOWNSHIP					
REV. NO.	REVISIONS			DATE	BY



Tc PATH
Tc = 25.8 MIN.

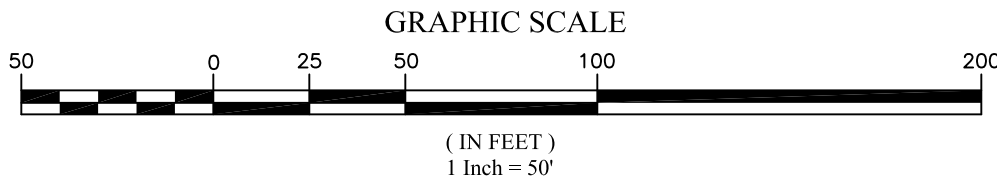
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PENNSYLVANIA ONE CALL SYSTEM
PA ACT 181 REQUIRES
THREE WORKING DAYS NOTICE
SERIAL NUMBERS:
2425321

LEGEND:

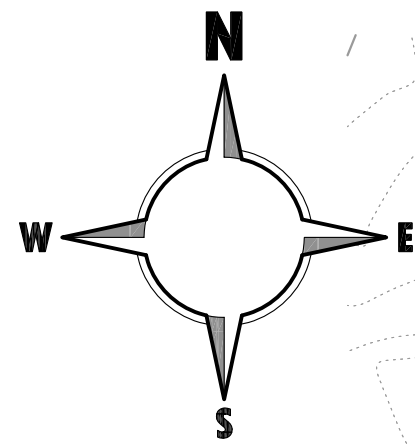
- EXISTING RIGHT OF WAY LINE
- EXISTING 10' CONTOUR
- EXISTING 2' CONTOUR
- EXISTING PAVING
- EXISTING TREELINE
- EXISTING ELECTRIC LINE
- EXISTING WATER LINE
- EXISTING CURB
- EXISTING SANITARY SEWER AND MANHOLE
- EXISTING STORM SEWER AND INLET
- EXISTING UTILITY POLE



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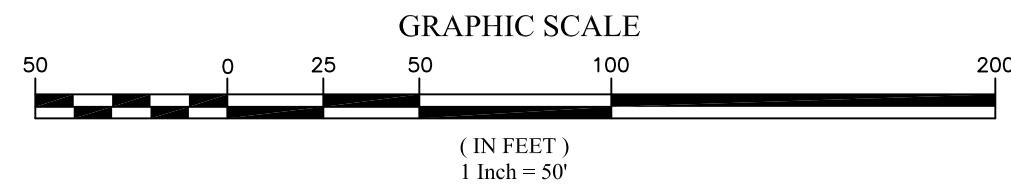
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Traffic and Transportation Engineering Services
Commonwealth Plaza
200 Spring Ridge Drive, Suite 204
Wyomissing, PA 19610
Phone (610) 898-8451 Fax (610) 898-8449

PRE CONSTRUCTION DRAINAGE MAP		HIGHWAY IMPROVEMENTS FOR GRANITE VILLAGE AT ST. PETERS	
WARWICK TOWNSHIP • CHESTER COUNTY • PENNSYLVANIA		EARTH ENTERPRISES 1441 PRIZER ROAD PUGHTOWN, PA 19465 Phone: (610) 469-8800 Fax: (610) 469-8800	
		Project: 10001 Date: 11/17/2006 Scale: 1" = 50' Drawn: TAH Checked: CAD	8 OF 12



LEGEND:

- EXISTING RIGHT OF WAY LINE
- EXISTING 10' CONTOUR
- EXISTING 2' CONTOUR
- EXISTING PAVING
- EXISTING TREELINE
- EXISTING ELECTRIC LINE
- EXISTING WATER LINE
- EXISTING CURB
- EXISTING SANITARY SEWER AND MANHOLE
- EXISTING STORM SEWER AND INLET
- EXISTING UTILITY POLE



PENNSYLVANIA ONE CALL SYSTEM
PA ACT 161 REQUIRES
THREE WORKING DAYS NOTICE
SERIAL NUMBERS:
2425321

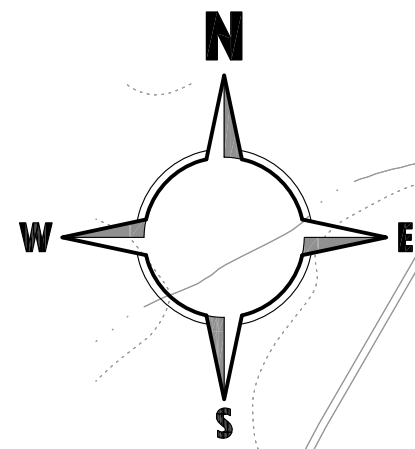
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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	CHESTER	4041		4 OF 12
WARWICK TOWNSHIP				
REV. NO.	REVISIONS	DATE	BY	

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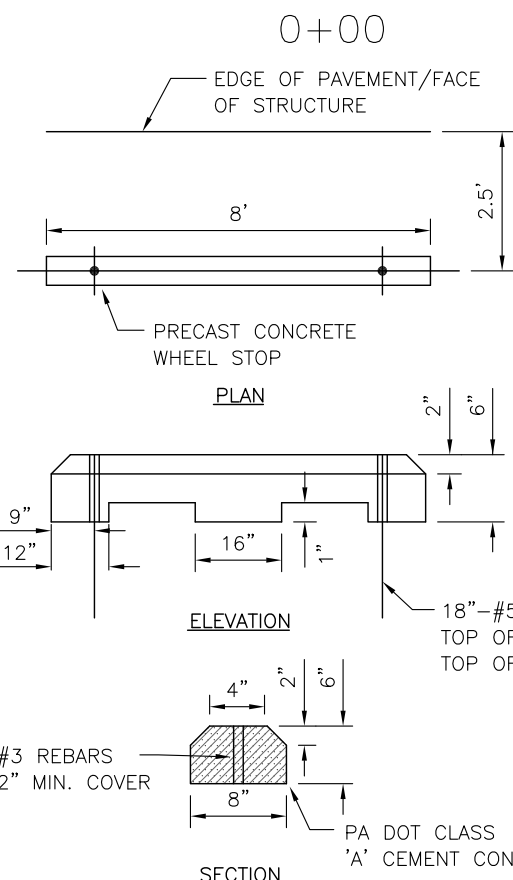
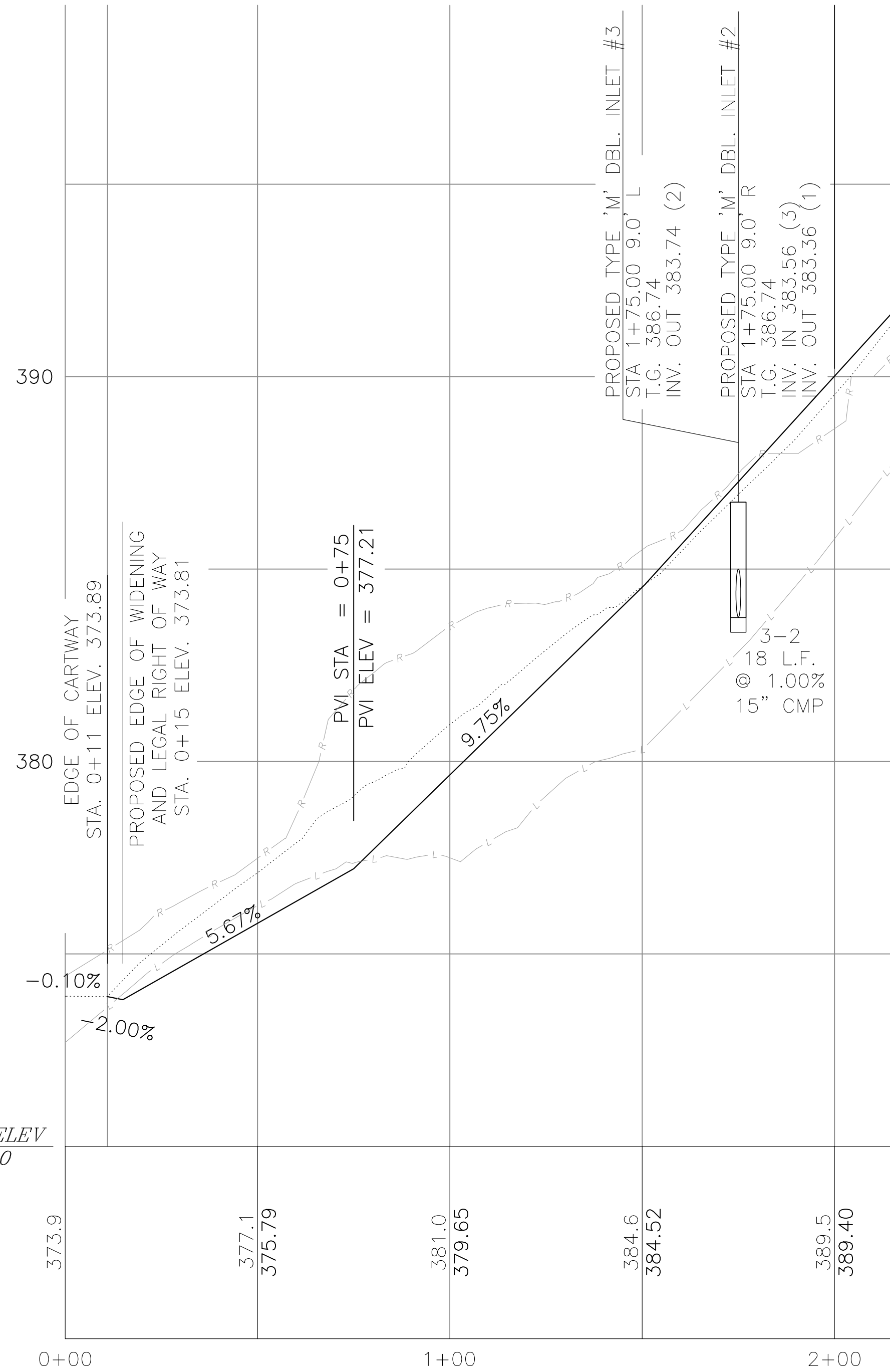
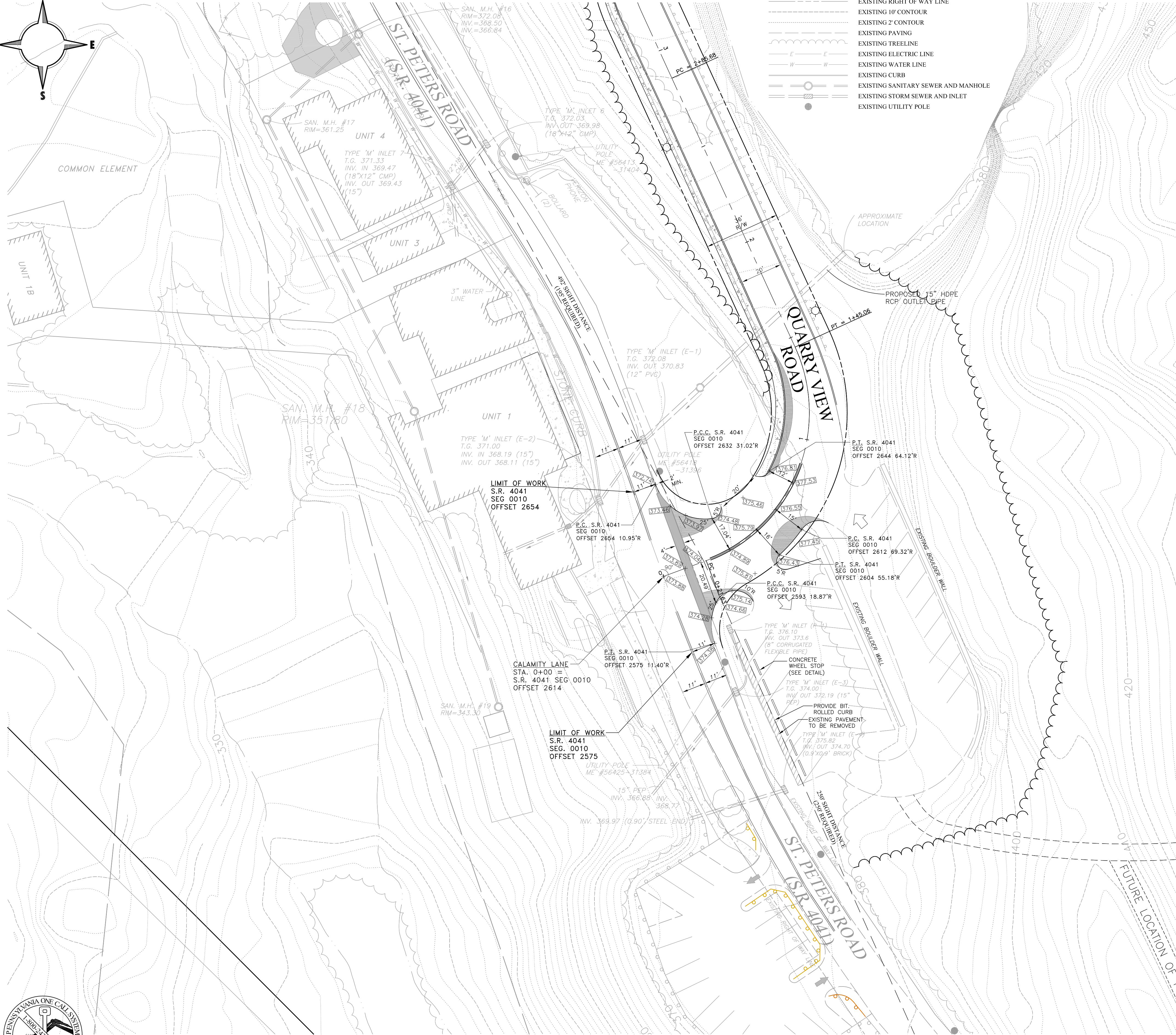
**Dimmerling Consulting, Inc.**
Traffic and Transportation Engineering Services
Commonwealth Plaza
200 Spring Ridge Drive, Suite 204
Wyomissing, PA 19610
Phone (610) 898-8451 Fax (610) 898-8449

POST CONSTRUCTION DRAINAGE MAP		HIGHWAY IMPROVEMENTS FOR GRANITE VILLAGE AT ST. PETERS	
WARWICK TOWNSHIP • CHESTER COUNTY • PENNSYLVANIA		EARTH ENTERPRISES 1441 PRIZER ROAD PUGHTOWN, PA 19465 Phone: (610) 469-8800 Fax: (610) 469-8800	
		Project: 10001 Date: 11/17/2006 Scale: 1" = 50' Drawn: TAH Checked: CAD	9 OF 12



LEGEND:

- EXISTING RIGHT OF WAY LINE
- EXISTING 10' CONTOUR
- EXISTING 2' CONTOUR
- EXISTING PAVING
- EXISTING TREELINE
- EXISTING ELECTRIC LINE
- EXISTING WATER LINE
- EXISTING CURB
- EXISTING SANITARY SEWER AND MANHOLE
- EXISTING STORM SEWER AND INLET
- EXISTING UTILITY POLE



QUARRY VIEW ROAD NOTES: ACTUAL SITE DISTANCE: > 500' LOOKING RIGHT, 284' LOOKING LEFT. REQUIRED SITE DISTANCE: 195' LOOKING RIGHT, 250' LOOKING LEFT. DISTANCE TO NEAREST DRIVEWAY: 750' RIGHT, > 3000' LEFT. DISTANCE TO NEAREST INTERSECTION: 1320' RIGHT (EXISTING ENTRYWAY), 1620' LEFT (ROCK RUN ROAD). AVERAGE DAILY TRAFFIC: 150 TRIPS, 75 VEHICLES.

QUARRY VIEW ROAD PROFILE
FROM STA. 0+00 TO 2+00
SCALE: HOR. 1"=25', VER. 1"=2.5'

Dimmerling Consulting, Inc.
Traffic and Transportation Engineering Services

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Wyomissing, PA 19610

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CONSTRUCTION /
GRADING PLAN
QUARRY VIEW ROAD

HIGHWAY IMPROVEMENTS
FOR
GRANITE VILLAGE
AT ST. PETERS

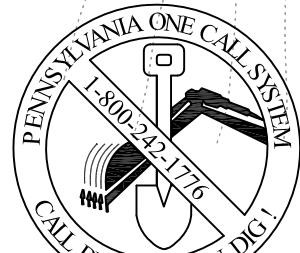
WARWICK TOWNSHIP • CHESTER COUNTY • PENNSYLVANIA

EARTH ENTERPRISES
1441 PRIZER ROAD
PUGHSTOWN, PA 19465
Phone: (610) 469-8800
Fax: (610) 469-8800

Project: 10001
Date: 11/17/2006
Scale: 1"=25'
Drawn: TAH
Checked: CAD

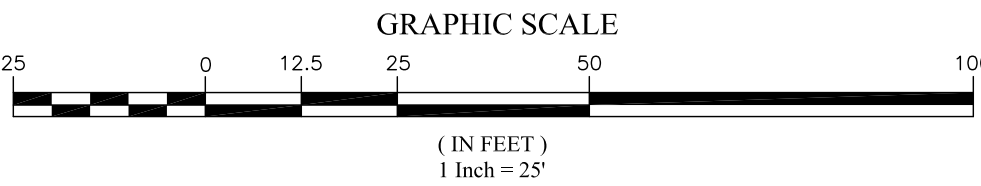
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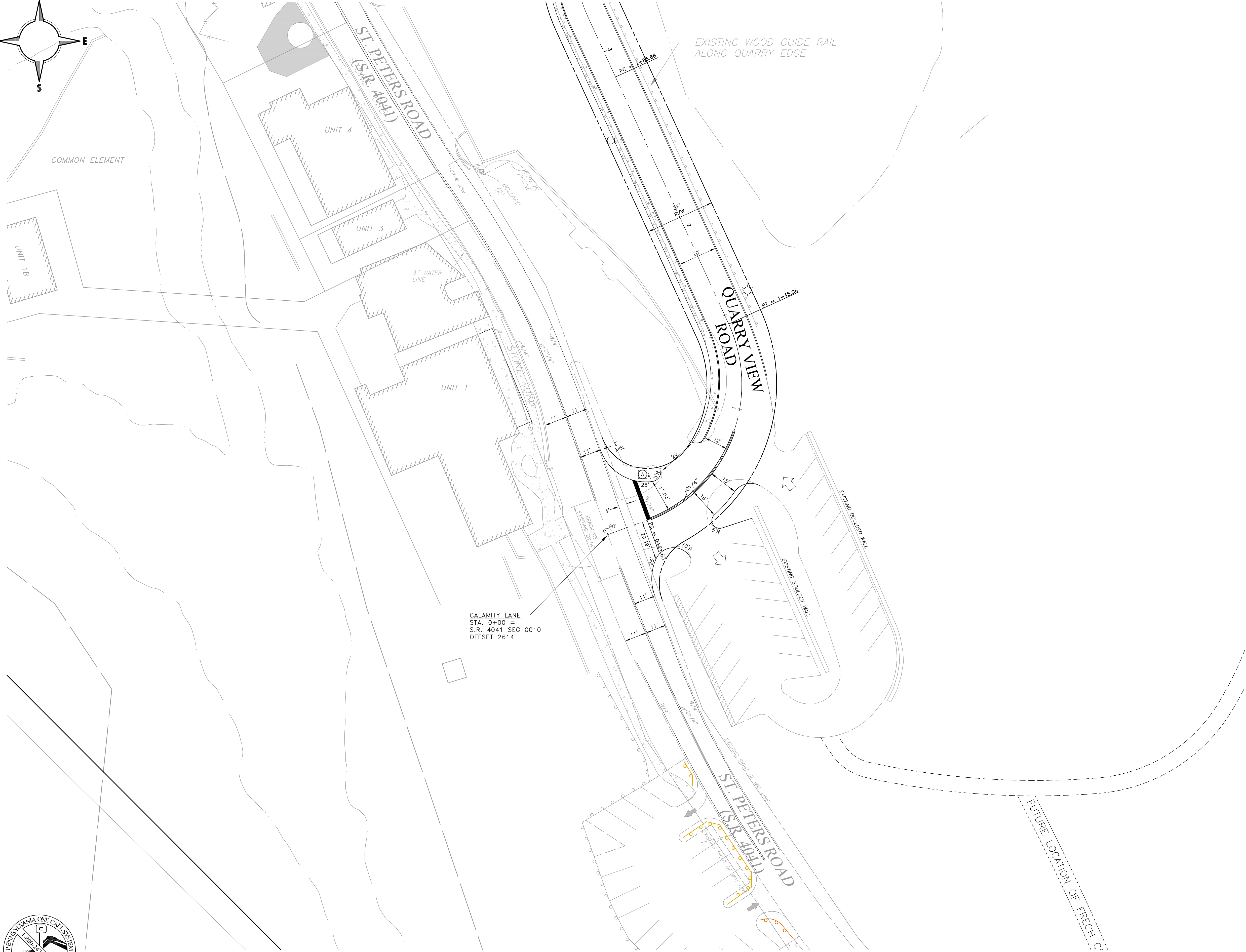
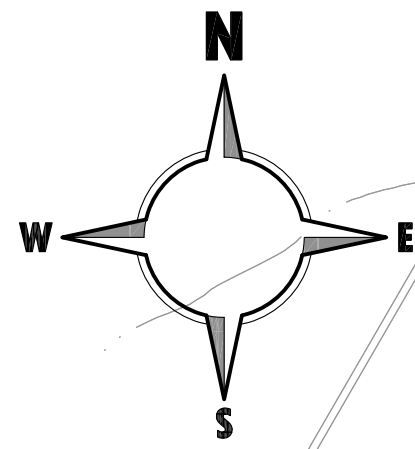
OF 12



PENNSYLVANIA ONE CALL SYSTEM
PA ACT 161 REQUIRES
THREE WORKING DAYS NOTICE
SERIAL NUMBERS:
2425321

PENNSYLVANIA ACT 161 REQUIREMENTS:
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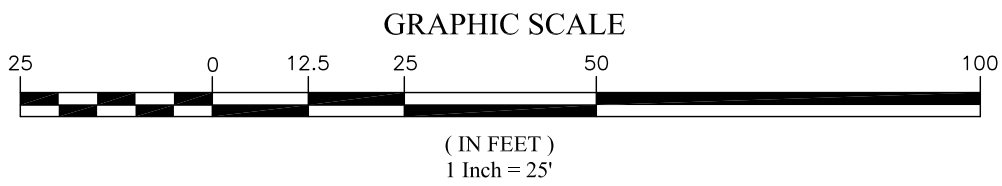


CALAMITY LANE
STA. 0+00 =
S.R. 4041 SEG 0010
OFFSET 2614

SIGN TABULATION				
PLAN SYMBOL	SERIES NUMBER	SIZE	QTY.	REMARKS
(A)	R1-1	30"x30"	1	STOP

- LEGEND
- EXISTING SIGN
 - PROPOSED SIGN
 - W/24" SOLID WHITE LINE / WIDTH
 - Y/4" SOLID YELLOW LINE / WIDTH
 - DY/4" DOUBLE YELLOW LINE / WIDTH
 - DDY/4" DOTTED DOUBLE YELLOW LINE / WIDTH

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PENNSYLVANIA ONE CALL SYSTEM
PA ACT 141 REQUIRES
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2425321

PENNSYLVANIA ACT 141 REQUIREMENTS:
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DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
6-0	CHESTER	4041	_____	9 OF 12	
WARWICK TOWNSHIP					
REV. NO.	REVISIONS			DATE	BY

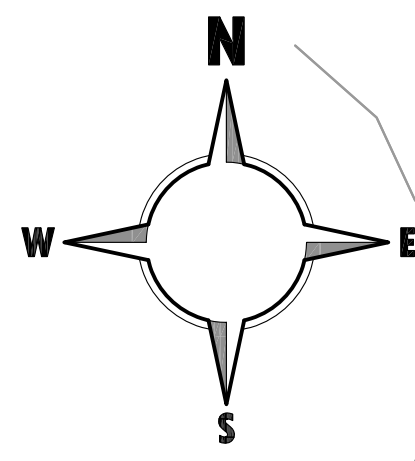
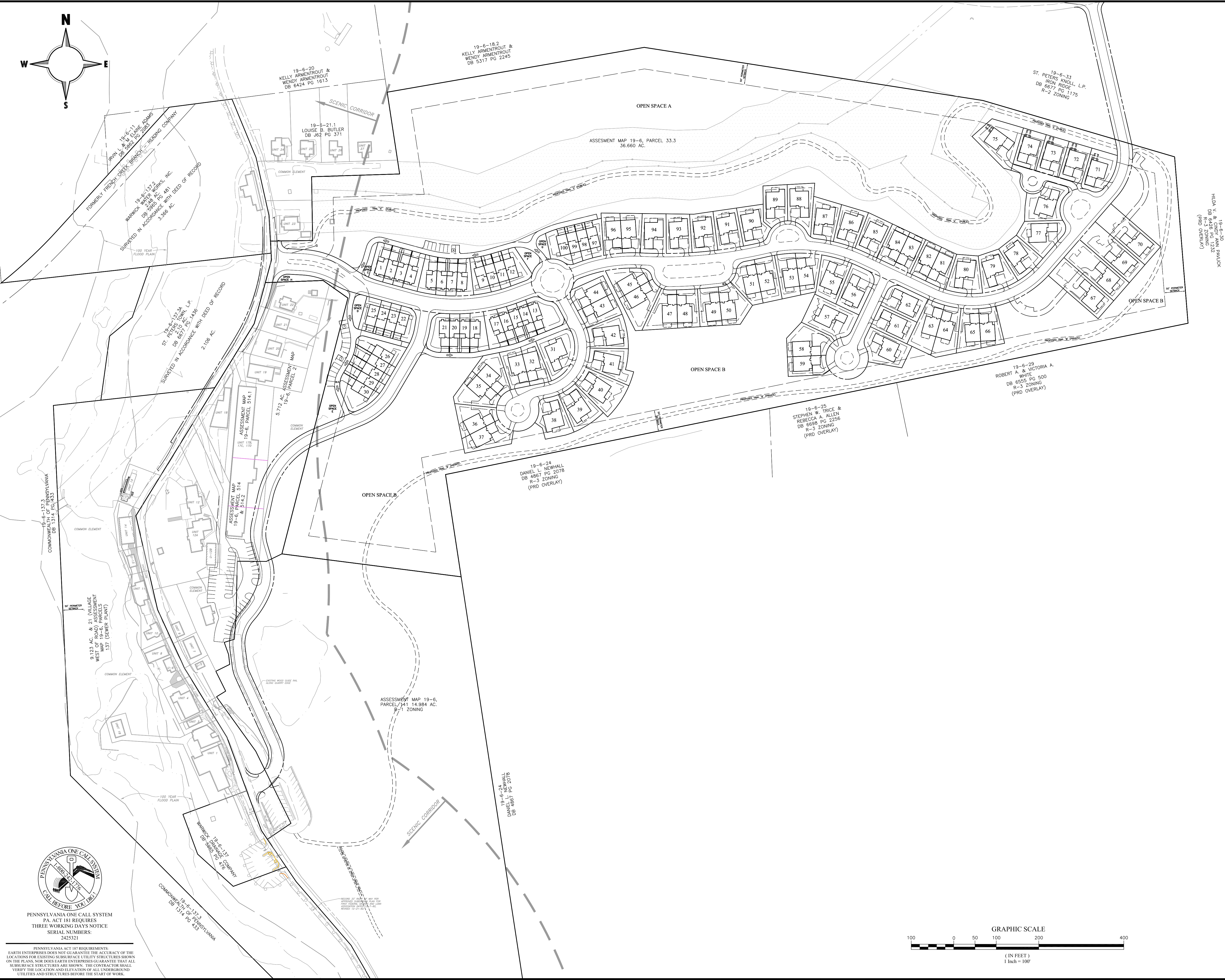
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PAVEMENT MARKING & SIGNING PLAN
QUARRY VIEW ROAD

HIGHWAY IMPROVEMENTS FOR
GRANITE VILLAGE AT ST. PETERS

WARWICK TOWNSHIP • CHESTER COUNTY • PENNSYLVANIA		
 EARTH ENTERPRISES 1441 PRIZER ROAD PUGHTOWN, PA 19465 Phone: (610) 469-8900 Fax: (610) 469-8900	Project:	10001
	Date:	11/17/2006
	Scale:	1" = 25'
	Drawn: TAH	Checked: CAD



DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
6-0	CHESTER	4041		10 OF 12	
WARWICK TOWNSHIP					
REV. NO.	REVISIONS			DATE	BY
0				12/31/1969	
0				12/31/1969	
0					
0					

19-6-30
HILDA V. & GORDY ANN PANJACK
DB 6580 PG 1232
R-3 ZONING
(PRD OVERLAY)

19-6-29
ROBERT A. & VICTORIA A. WHITE
DB 6555 PG 500
R-3 ZONING
(PRD OVERLAY)

19-6-25
STEPHEN W. PRICE & REBECCA A. ALLEN
DB 5698 PG 2256
R-3 ZONING
(PRD OVERLAY)

19-6-24
DANIEL L. NEWMAN
DB 4867 PG 2078
R-3 ZONING
(PRD OVERLAY)

19-6-18.2
KELLY ARMENTROUT & WENDY ARMENTROUT
DB 5317 PG 2245

19-6-20
KELLY ARMENTROUT & WENDY ARMENTROUT
DB 6424 PG 1613

19-6-21.1
LOUISE B. BUTLER
DB J62 PG 371

19-6-33
ST. PETERS KNOLL, L.P.
DB 6677 PG 1175
R-2 ZONING

19-6-17.2
WARWICK WOODS, INC.
DB 5584 PG 481
SURVEYED IN ACCORDANCE WITH DEED OF RECORD
3.368 AC.

19-6-17.3
ST. PETERS KNOLL, L.P.
DB 6571 PG 1436
SURVEYED IN ACCORDANCE WITH DEED OF RECORD
2.108 AC.

ASSESSMENT MAP
19-6, PARCEL 514.1
UNIT 19

ASSESSMENT MAP
19-6, PARCEL 514.2
UNIT 18

ASSESSMENT MAP
19-6, PARCEL 514.3
UNIT 17

ASSESSMENT MAP
19-6, PARCEL 514.4
UNIT 16

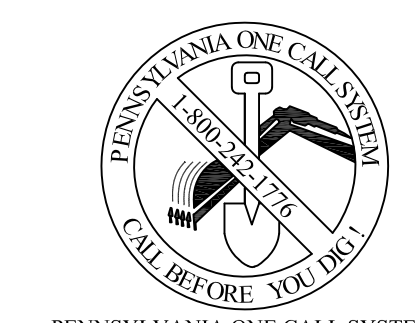
ASSESSMENT MAP
19-6, PARCEL 514.5
UNIT 15

ASSESSMENT MAP
19-6, PARCEL 514.6
UNIT 14

ASSESSMENT MAP
19-6, PARCEL 514.7
UNIT 13

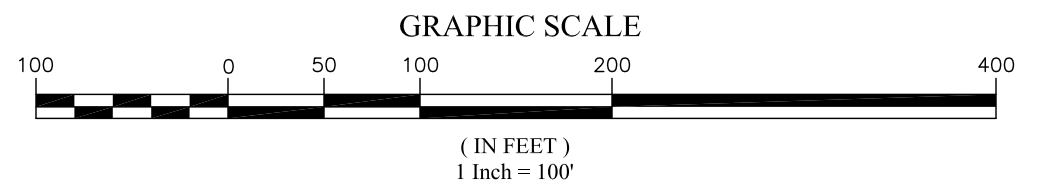
COMMONWEALTH OF PENNSYLVANIA
DB 1314 PG 433

COMMONWEALTH OF PENNSYLVANIA
DB 1314 PG 433



PENNSYLVANIA ONE CALL SYSTEM
PA ACT 161 REQUIRES
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OVERALL SITE PLAN

HIGHWAY IMPROVEMENTS
FOR
GRANITE VILLAGE
AT ST. PETERS

WARWICK TOWNSHIP • CHESTER COUNTY • PENNSYLVANIA

**EARTH ENTERPRISES**
1441 PRIZER ROAD
PUGHTOWN, PA 19465
Phone: (610) 469-8800
Fax: (610) 469-8800

Project: 10001
Date: 11/17/2006
Scale: 1" = 100'
Drawn: TAH
Checked: CAD

12
OF 12