

HEMPFIELD TOWERS SITE REHABILITATION PROJECT

2500 S. GRANDE BLVD, GREENSBURG, PA. 15601

GENERAL NOTES:

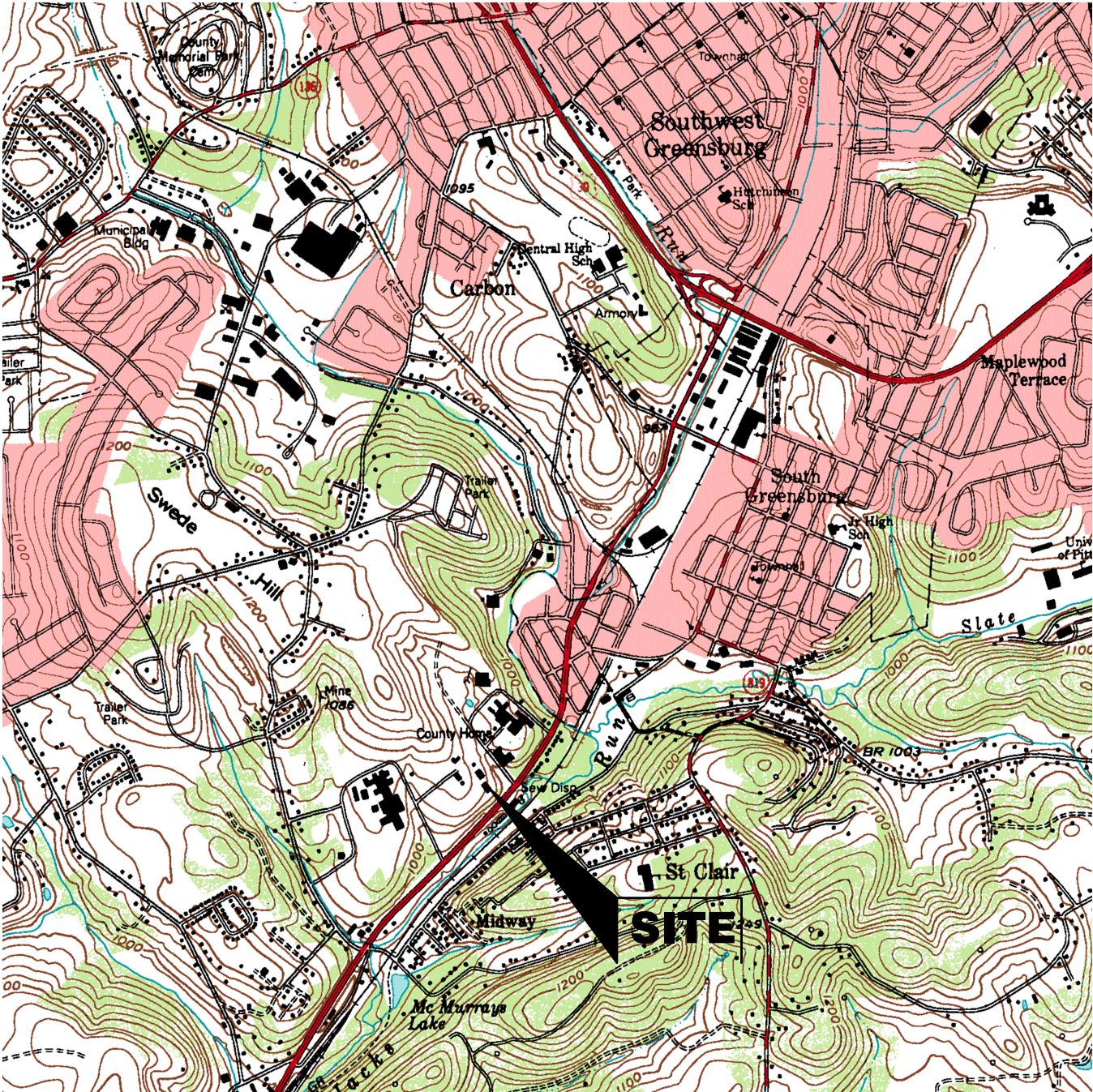
- BEFORE STARTING WORK, THE CONTRACTORS SHALL EXAMINE THE JOB SITE AND THE DRAWINGS AND BE THOROUGHLY FAMILIAR WITH THE ENTIRE CONSTRUCTION, THE FACILITIES, ANY DIFFICULTIES IN THE WORK TO BE COMPLETED, THE ACCURACY OF THE DRAWINGS AND DETAILS, AND QUANTITY OF LABOR AND MATERIALS REQUIRED.
- CONTRACTORS SHALL NOT SCALE THESE DRAWINGS FOR CONSTRUCTION OR BIDDING PURPOSES. IN THE EVENT OF OMISSIONS OF NECESSARY DIMENSIONS OR INFORMATION, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OR ENGINEER. FIGURED AND CALCULATED DIMENSIONS TAKE PRECEDENCE OVER SCALED MEASUREMENTS. DETAILED DRAWINGS AND LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER SMALLER SCALED DRAWINGS.
- ALL PLAN DETAILS AND WALL SECTIONS ARE CONSIDERED "TYPICAL" INDUSTRY DETAILS UNLESS NOTED OTHERWISE AS SITE SPECIFIC.
- TRAFFIC SHALL BE MAINTAINED ON ALL ADJOINING STREETS AND DRIVES AT ALL TIMES. TRAFFIC CONTROL SHALL BE MAINTAINED IN ACCORDANCE WITH PENNDOT'S REQUIREMENTS.
- CONTRACTOR SHALL VERIFY THE LOCATION AND INVERT ELEVATION OF ALL EXISTING UTILITIES WITH PROPOSED CONNECTIONS PRIOR TO CONSTRUCTION AND GRADING OF THE SITE. THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY DESIGN CONFLICTS.
- ALL MATERIALS AND WORKMANSHIP INVOLVED IN THIS SITE WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION, INCLUDING SUPPLEMENTS, OF THE PENNSYLVANIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS PUB. FORM 408, UNLESS OTHERWISE NOTED.
- A PENNDOT HIGHWAY OCCUPANCY PERMIT, PURSUANT TO SECTION 420 OF THE ACT OF JUNE 1, 1945 (P.L. 1242 NO. 428), KNOWN AS THE "STATE HIGHWAY LAW" IS REQUIRED FOR ANY NEW OR UPGRADED DRIVEWAY ACCESS TO ANY STATE ROADWAY.
- CONTRACTOR MUST FOLLOW RULES AND REGULATIONS OF THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (TITLE 25, PART 1, SUBPART C, ARTICLE II, CHAPTER 102 OF THE PENNSYLVANIA CODE) FOR ALL EARTHMOVING ACTIVITIES.
- ALL PROPOSED ACCESSIBLE FACILITIES ARE TO BE CONSTRUCTED TO CURRENT ADA REQUIREMENTS AND STANDARDS.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING QUANTITIES, INCLUDING EARTHWORK. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE OWNER AND ENGINEER DURING THE BIDDING PROCESS OF ANY QUANTITY DISCREPANCIES IN THE BID DOCUMENTS. ONCE THE CONSTRUCTION CONTRACT IS ISSUED, THE CONTRACTOR ACKNOWLEDGES THE CONTRACT PRICE COVERS ALL LABOR, MATERIALS AND INCIDENTALS TO SUBSTANTIALLY COMPLETE THE PROJECT ACCORDING TO THE CONSTRUCTION PLANS.
- IT IS THE INTENTION OF THE ENGINEER THAT THE DRAWINGS AND SPECIFICATIONS PROVIDE FOR A COMPLETELY FINISHED PROJECT. ANYTHING OR MATTER SHOWN ON THE DRAWINGS OR DESCRIBED BY THE SPECIFICATIONS OR FAIRLY IMPLIED BY EITHER OR BOTH, SHALL BE CONSIDERED A PART OF THE WORK THE SAME AS IF NOTED, SHOWN AND DESCRIBED. SHOULD THE CONTRACTORS FIND ANY DISCREPANCIES OR OMISSIONS IN THE DRAWINGS OR SPECIFICATIONS, OR BE IN DOUBT AS TO THEIR MEANING, THEY SHALL NOTIFY THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK. ANY CLARIFICATIONS FROM THE ENGINEER WILL BE WRITTEN AND THE CONTRACTORS SHALL BE RESPONSIBLE AT NO COST TO THE OWNER OR ENGINEER FOR ANY WORK WHICH MUST BE REDONE BECAUSE OF THEIR FAILURE TO COMPLY WITH THE PRECEDING.
- FURTHER EXPLANATORY DRAWINGS OR DETAILS WILL ALSO BE CONSIDERED PART OF THE PROJECT AND WORK EXECUTED WITHOUT SUCH DETAILS SHALL BE AT THE CONTRACTOR'S RISK.
- THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND MEASUREMENTS. ANY DISCREPANCIES BETWEEN THE DRAWING AND ACTUAL EXISTING CONDITIONS SHALL BE REPORTED TO THE ENGINEER BEFORE PROCEEDING. ANY CHANGES OR CORRECTIONS WILL BE WRITTEN, AND THE CONTRACTORS SHALL BE RESPONSIBLE FOR ANY WORK COMPLETED BEFORE RECEIVING SAID CORRECTION.
- IN THE CASE OF AN INCONSISTENCY BETWEEN DRAWINGS AND SPECIFICATIONS, OR WITHIN EITHER DOCUMENT NOT CLARIFIED BY AN ADDENDUM, THE BETTER QUALITY OR GREATER QUANTITY OF WORK SHALL BE PROVIDED IN ACCORDANCE WITH THE ENGINEER AND THE OWNER'S REPRESENTATIVES INTERPRETATION.

DEMOLITION NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION WORK.
- THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITY CONNECTIONS PRIOR TO CONSTRUCTION/DEMOLITION AT THIS SITE. THE CONTRACTOR SHALL ALSO COORDINATE ALL UTILITY CONNECTIONS WITH LOCAL PROVIDERS.
- ALL EXISTING PAVEMENT, CURB AND SIDEWALK TO BE REMOVED SHALL BE SAW CUT AS SHOWN ON PLANS.
- CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ALL DRIVES, WALKS, EXISTING PAVEMENT AND CURBING WITHIN THE LIMITS AS SHOWN. ALL DEBRIS IS TO BE HAULED OFF-SITE TO AN APPROVED LANDFILL.
- THE CONTRACTOR SHALL REPLACE ALL CURB SECTIONS, SIDEWALKS, AND PAVEMENT, WHICH HAS BEEN CUT AND DISTURBED WITHIN THE RIGHT-OF-WAY WITH PENNSYLVANIA DEPARTMENT OF TRANSPORTATION'S STANDARD MATERIALS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF THE MUNICIPALITY OF XXXXXXXXXXXX AND PENNDOT. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF TRAFFIC THROUGH THE CONSTRUCTION PERIOD.

SITE NOTE:

- THE CONTRACTOR SHALL INSTALL ALL PAVEMENT MARKINGS AS SHOWN ON THE PLANS.
- NO WETLANDS EXIST WITHIN THE PROJECT BOUNDARY.
- MINE OPENINGS ARE NOT ANTICIPATED. IF MINE SPOILS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL EITHER REWORK THE MATERIAL PER GEOTECHNICAL ENGINEERS RECOMMENDATIONS OR REMOVE THE MATERIAL TO A PERMITTED AREA.
- NO SIGNIFICANT CULTURAL OR SENSITIVE ENVIRONMENTAL FEATURES EXIST WITHIN THE PROJECT BOUNDARY. NO FURTHER ENVIRONMENTAL STUDIES WILL BE NECESSARY.
- NO WATER RESOURCES EXIST WITHIN THE PROJECT BOUNDARY.



LOCATION MAP
SCALE: 1"=2000'
USGS QUADRANGLE MAP
GREENSBURG, PA

PREPARED FOR:

WESTMORELAND COUNTY HOUSING AUTHORITY

167 SOUTH GREENGATE ROAD
GREENSBURG, PA. 15601

PHONE - 724-832-7248

PREPARED BY:



Morris Knowles & Associates, Inc.

Consulting Engineers & Land Surveyors

1740 GOLDEN MILE HWY., SUITE 101 PA 15146

TELEPHONE: (724) 468-4622 FAX: (724) 468-8940

INDEX OF SHEETS

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ADD ALTERNATE PLAN	C201
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UTILITY COMPANIES

SANITARY

MUNICIPAL AUTHORITY OF WESTMORELAND COUNTY.
124 Park and Pool Road
New Stanton, PA 15672
(724) 755-5800

WATER

WESTMORELAND COUNTY MUNICIPAL AUTHORITY
124 Park and Pool Road
New Stanton, PA 15672
(724) 755-5800

ELECTRICITY

WEST PENN POWER
76 S. Main Street
Akron, OH 44308
Office Personnel

GAS

PEOPLES NATURAL GAS
625 LIBERTY AVENUE
PITTSBURGH, PA. 15222
(724) 832-2856

TELEPHONE/FIBER OPTICS

VERIZON
1717 ARCH STREET
PHILADELPHIA, PA. 19103
1-800-8374966

CABLE

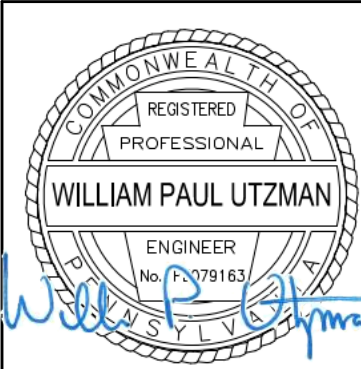
COMCAST
201 NORTH TREMONT AVENUE
GREENSBURG, PA. 15601
1-800-266-2278

CALL BEFORE YOU DIG
IN PENNSYLVANIA
1-800-242-1776



Know what's below
Call before you dig

THE GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES INVOLVED IN THE SITE NO MORE TEN DAYS AND NO LESS THAN THREE DAYS IN ADVANCE OF EXCAVATION (PA ACT 287 OF 1974 AMENDED BY ACT 50 OF 2017). PA STATE LAW REQUIRES 3 WORKING DAYS NOTICE



TITLE SHEET

HEMPFIELD TOWERS SITE IMPROVEMENTS

prepared for

WESTMORELAND COUNTY HOUSING AUTHORITY

HEMPFIELD TWP, WESTMORELAND COUNTY, PA

MKA

Morris Knowles & Associates, Inc.

(A Partnership Company of Engineers and Surveyors)

1740 Golden Mile Hwy., Suite 101
Greensburg, PA 15601
Telephone: (724) 468-4622
Fax: (724) 468-8940
info@morrisknowles.com www.morrisknowles.com

DESIGNED BY: DCS

REVIEWED BY: RVD

DRAWN BY: DRW

DATE: MO YEAR

PROJ. NO.: PROJ NO

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DESCRIPTION:

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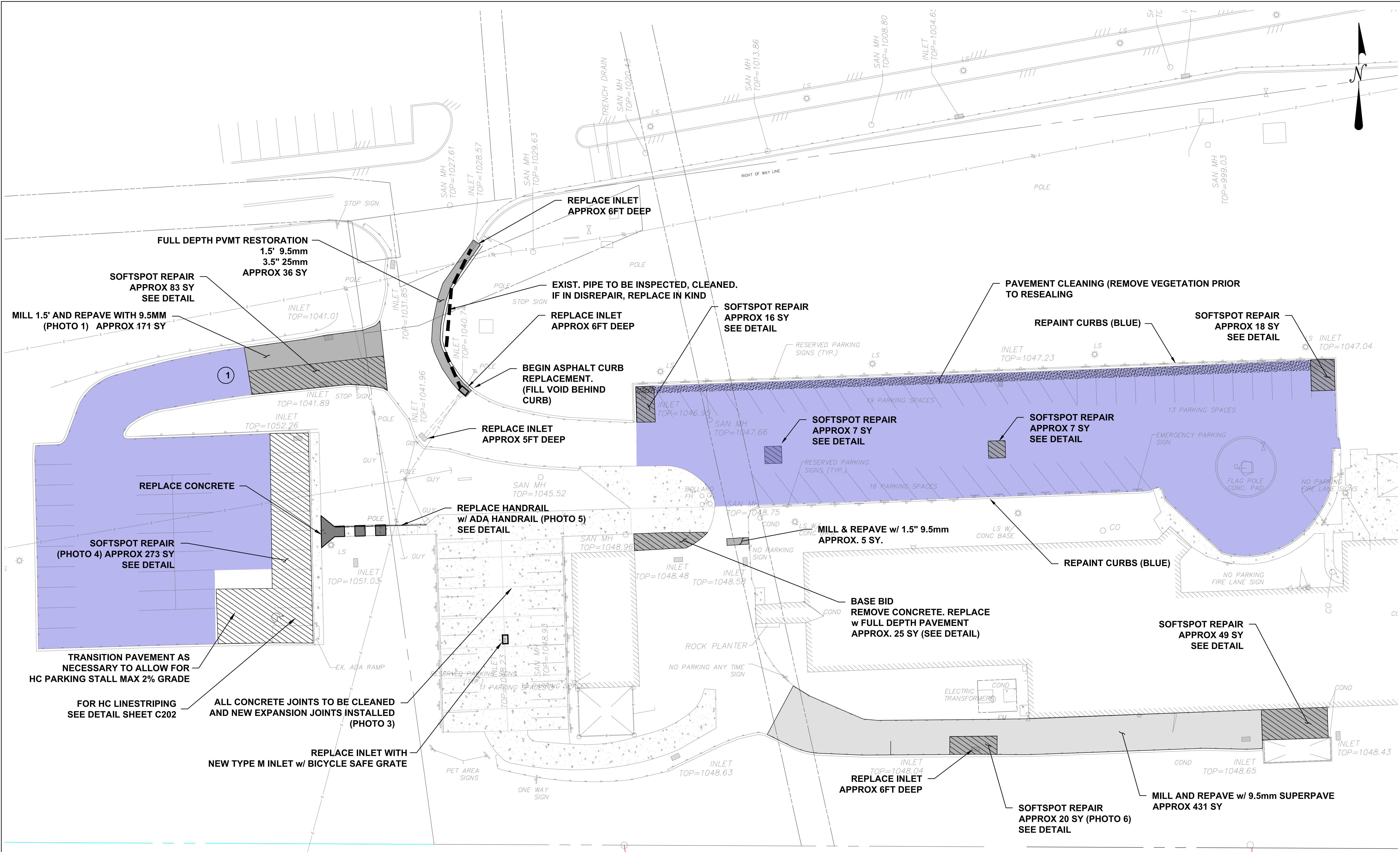
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SHEET NO.
C000

DWG. PATH: F:\Client\1885\MOHA_2017-2021\1885-24 Hempfield Towers Police CAD\1885-24 HempfieldTowers-Sharingments.dwg
LAST SAVE: Sep 30, 2025 - 8:43am



DESCRIPTION:	DATE:	REVISION BY:	DESIGNED BY:	SCALE:	Morris Knowles & Associates, Inc. Professional Engineer 1740 Monroeville, PA 15146 Tel: (412) 499-4822 info@morrisknowles.com www.morrisknowles.com
DESCRIPTION:	DATE:	REVISION BY:	REVIEWED BY:	1"=20FT	
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DESCRIPTION:	DATE:	REVISION BY:	DATE: 8/2025		
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BASE BID IMPROVEMENT PLAN HEMPFIELD TOWERS SITE IMPROVEMENTS prepared for WESTMORELAND COUNTY HOUSING AUTHORITY situated in HEMPFIELD TWP, WESTMORELAND COUNTY, PA					
SHEET NO. C200					

CALL BEFORE YOU DIG
IN PENNSYLVANIA
1-800-242-1776
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Know what's below
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THE GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES INVOLVED IN THE SITE NO MORE TEN DAYS AND NO LESS THAN THREE DAYS IN ADVANCE OF EXCAVATION (PA ACT 287 OF 1974 AMENDED BY ACT 50 OF 2017). PA STATE LAW REQUIRES 3 WORKING DAYS NOTICE

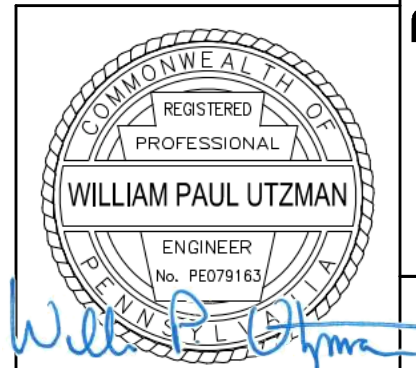
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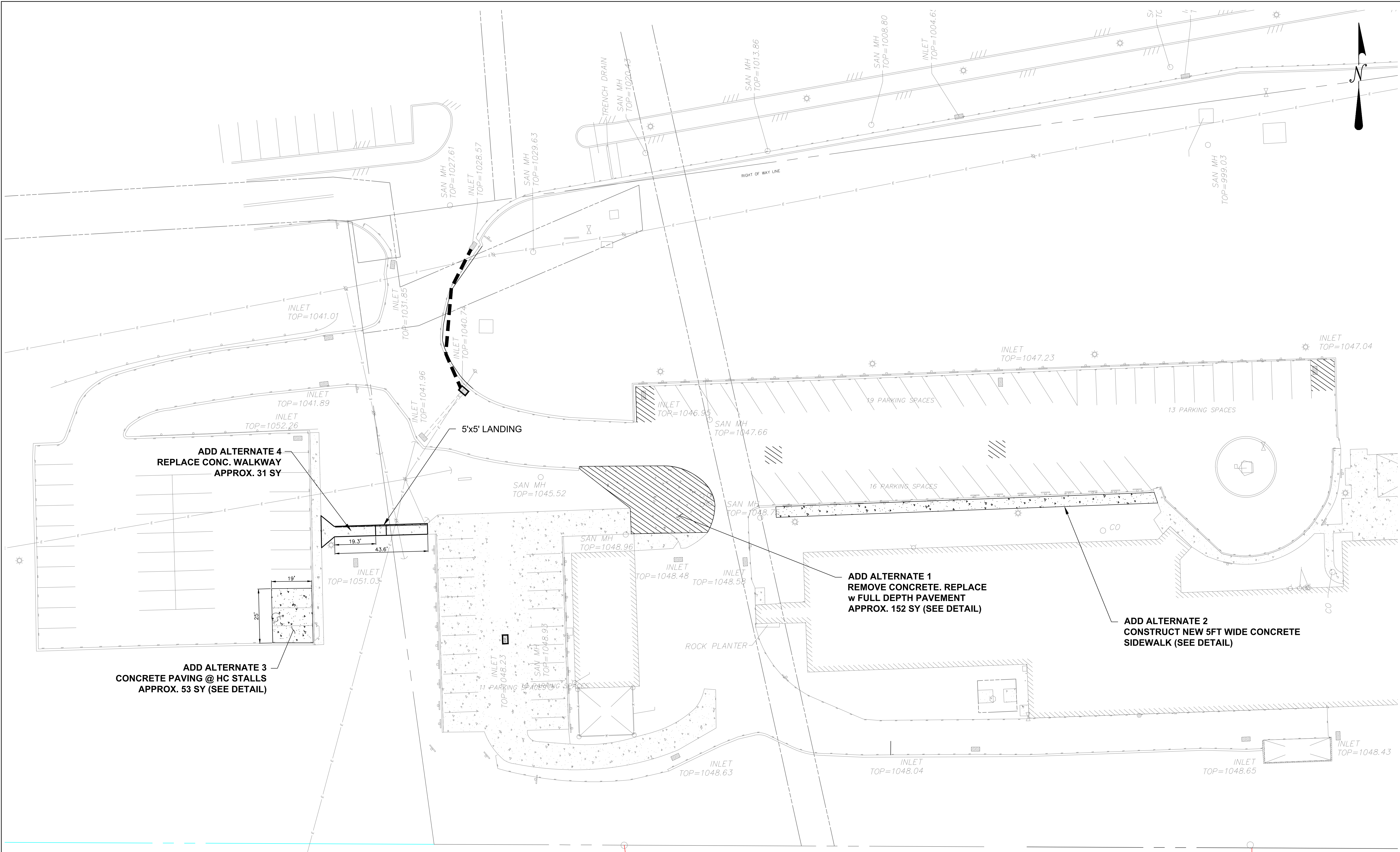
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ST - STORM	W - WATER LINE
MH - MANHOLE	T - SUBSURFACE TELEPHONE LINE
TOP - TOP OF CASTING	E - SUBSURFACE ELECTRIC LINE
INV - INVERT / FLOW LINE	OH - OVERHEAD WIRES
WV - WATER VALVE	908 - EXISTING CONTOURS
GV - GAS VALVE	EXISTING INLET
GM - GAS METER	EXISTING MANHOLE
EM - ELECTRIC METER	EXISTING SEWER
S.R. - STATE ROUTE	==X== FENCE
TELE - TELEPHONE	
ROP - REINFORCED CONCRETE PIPE	
COP - CORRUGATED PLASTIC PIPE	

SCALE: 1" = 10'
0 5' 10' 20'
GRAPHIC SCALE

CLEAN SURFACE & JOINTS. FILL JOINTS, SEAL COAT AND RE-LINESTRIP
ALL LINESHIPPING SHALL BE WHITE UNLESS OTHERWISE SHOWN.

REPLACE CONCRETE SIDEWALK SLABS



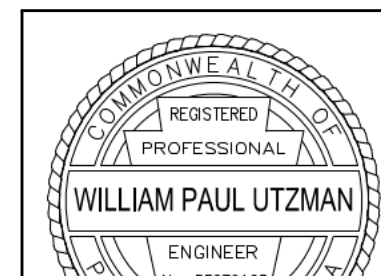
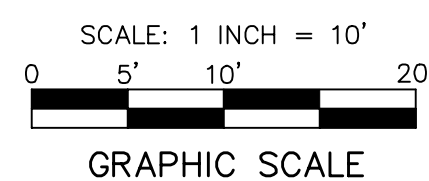


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- LEGEND**
- | | | | |
|------|----------------------------|-------------|-----------------------------|
| SAN | - SANITARY | C | - GAS LINE |
| ST | - STORM | W | - WATER LINE |
| MH | - MANHOLE | T | - SUBSURFACE TELEPHONE LINE |
| TOP | - TOP OF CASTING | E | - SUBSURFACE ELECTRIC LINE |
| INV | - INVERT / FLOW LINE | OH | - OVERHEAD WIRES |
| WV | - WATER VALVE | - - 908 - - | - EXISTING CONTOURS |
| GV | - GAS VALVE | ○ | - EXISTING INLET |
| GM | - GAS METER | ○ | - EXISTING MANHOLE |
| EM | - ELECTRIC METER | - - - - - | - EXISTING SEWER |
| S.R. | - STATE ROUTE | -X-X- | - FENCE |
| TELE | - TELEPHONE | | |
| RCP | - REINFORCED CONCRETE PIPE | | |
| CPP | - CORRUGATED PLASTIC PIPE | | |



ADD ALTERNATE PLAN
HEMPFIELD TOWERS SITE IMPROVEMENTS
prepared for
WESTMORELAND COUNTY HOUSING AUTHORITY
checked by
HEMPFIELD TWP, WESTMORELAND COUNTY, PA

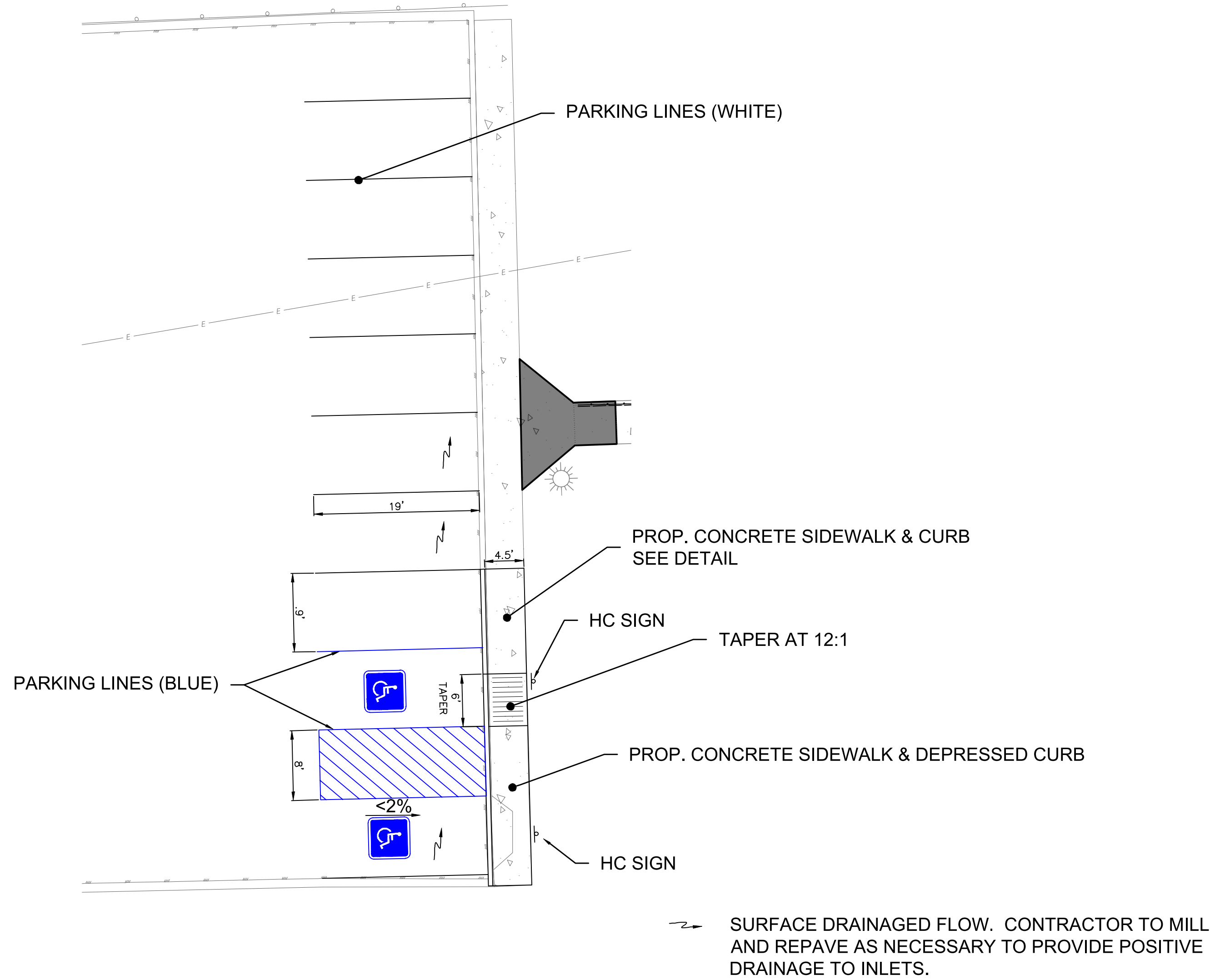
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DESIGNED BY: WPU	DATE: _____	DESCRIPTION: _____
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DRAWN BY: SPP	DATE: _____	DESCRIPTION: _____
DATE: MO YEAR	DATE: _____	DESCRIPTION: _____
PROJ. NO.: PROJ NO	DATE: _____	DESCRIPTION: _____

SCALE:
SCALE

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1740 Monroeville, PA 15146
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info@morrisknowles.com www.morrisknowles.com

DWG: PATH: F:\Client\1885\1885-24\1885-24 Hempsfield Towers-Stairways.dwg
LAST SAVE: Sep 30, 2025 - 8:44am
Updation



UPPER LOT ENLARGEMENT

SCALE: 1" = 10'



PHOTO 1

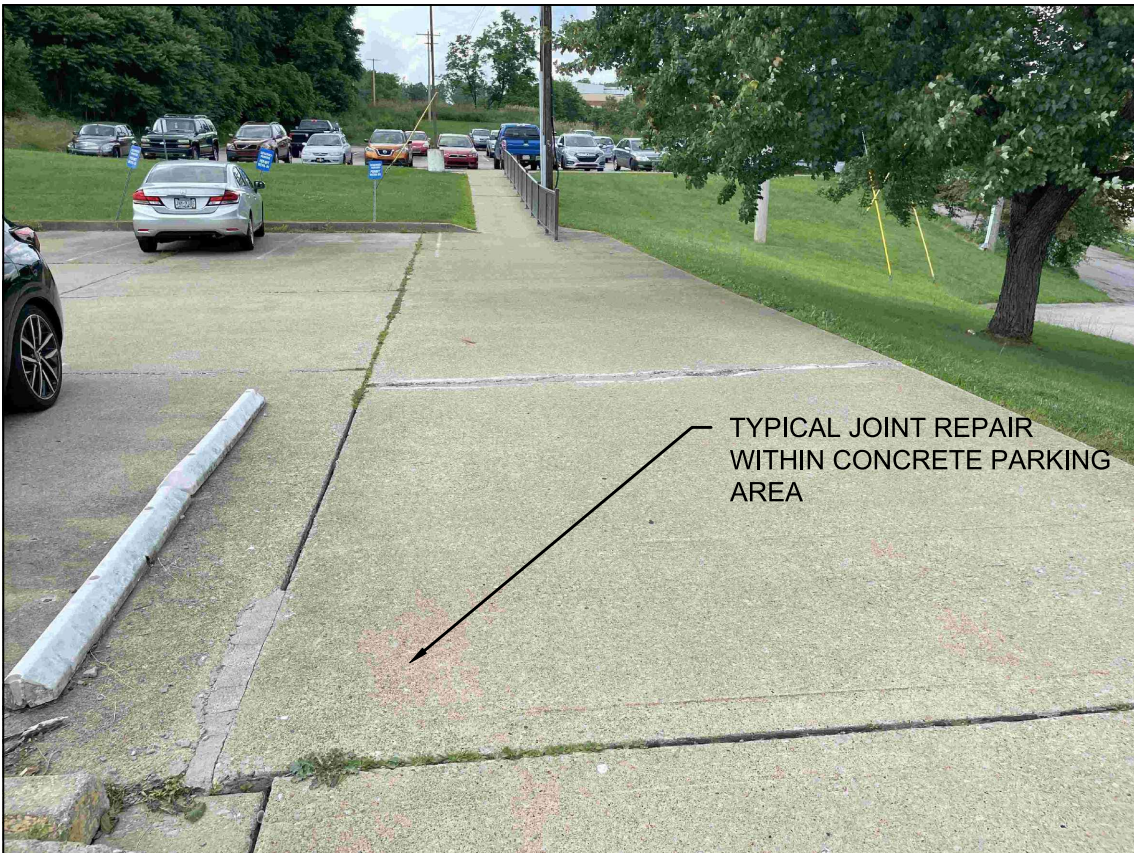


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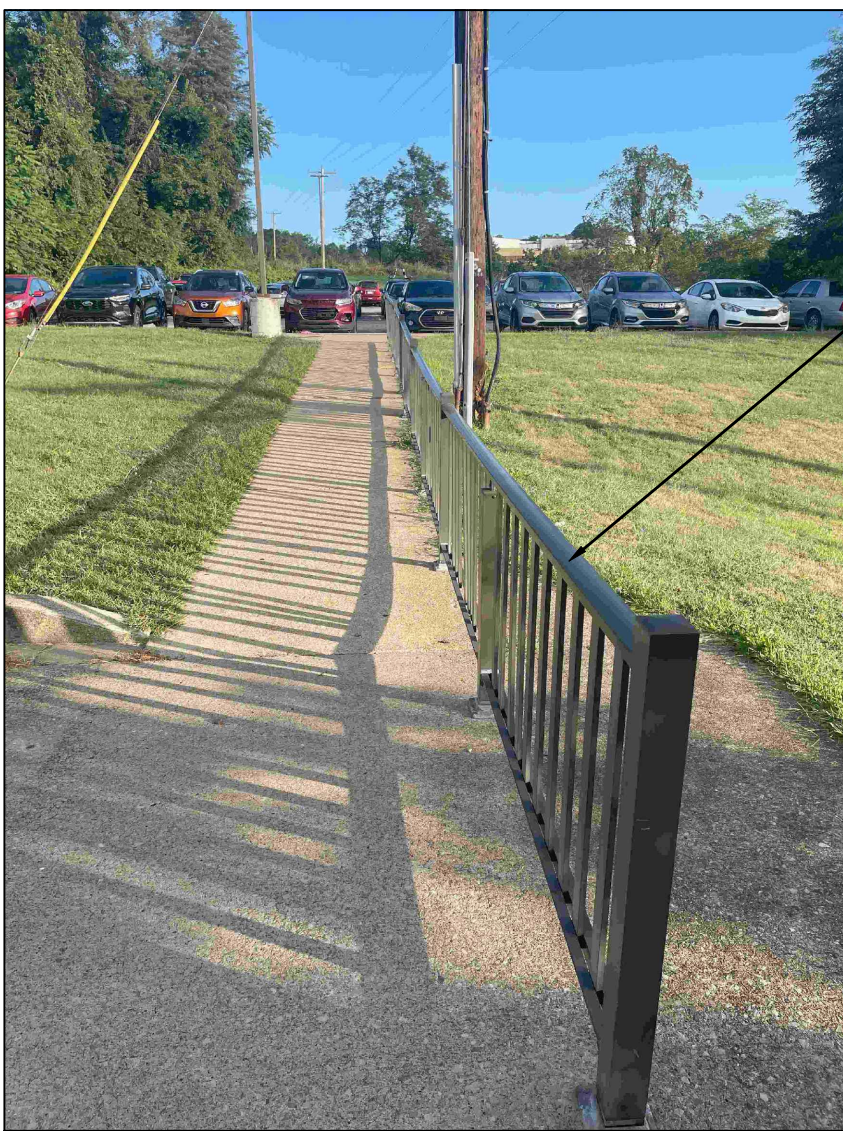


PHOTO 5

REPLACE EXISTING HANDRAIL WITH NEW ADA HANDRAIL

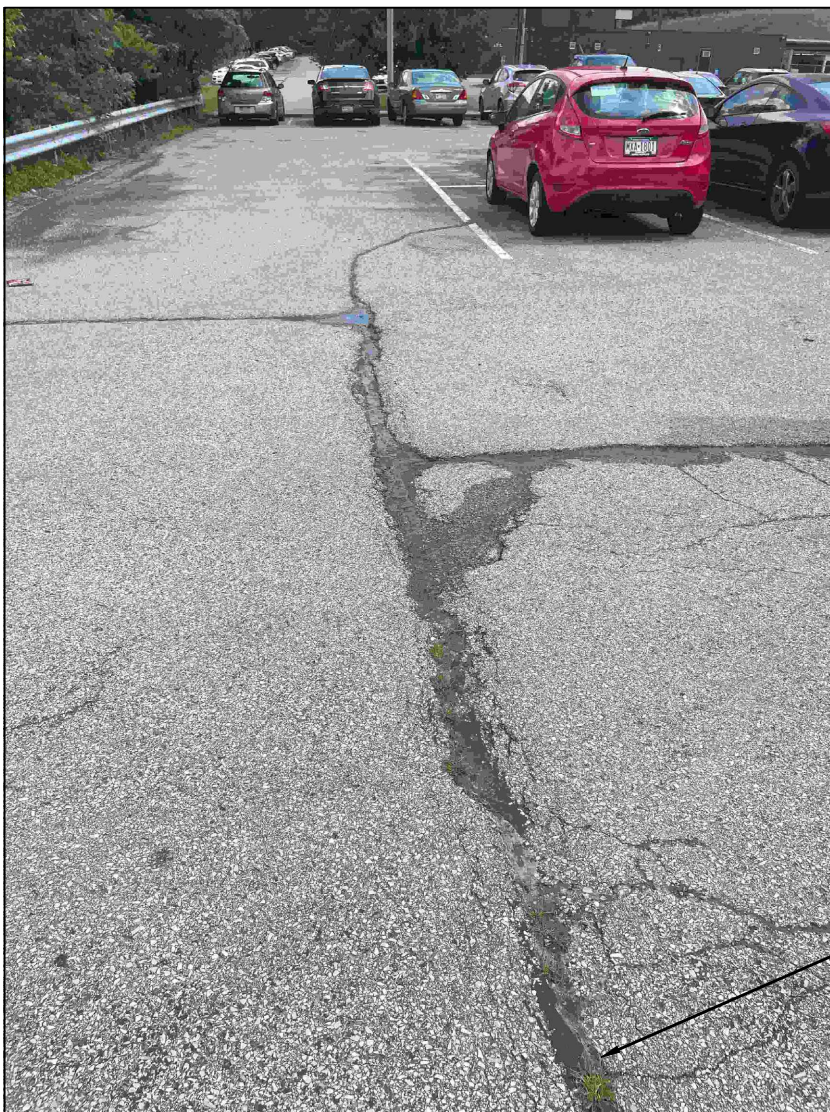


PHOTO 2

TYPICAL JOINT REPAIR

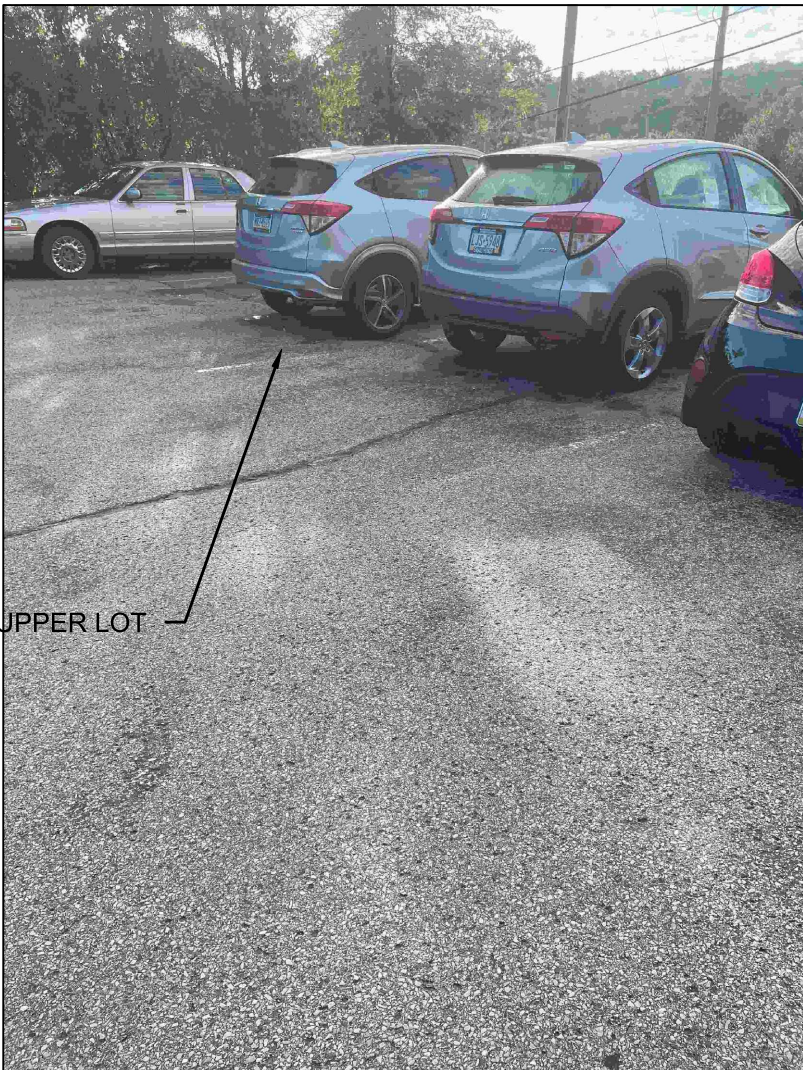


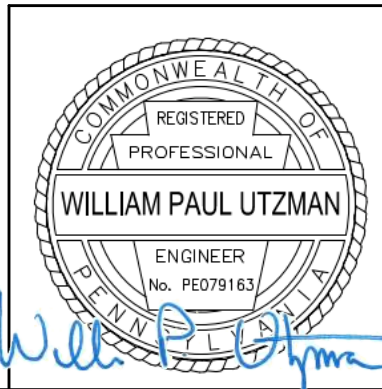
PHOTO 4

SOFT SPOT UPPER LOT



PHOTO 6

SOFT SPOT REPAIR



William Paul Utzman

GRADING/DRAINAGE PLAN
HEMPFIELD TOWERS SITE IMPROVEMENTS
prepared for
WESTMORELAND COUNTY HOUSING AUTHORITY
situated in
HEMPFIELD TWP, WESTMORELAND COUNTY, PA

SHEET NO.
C600

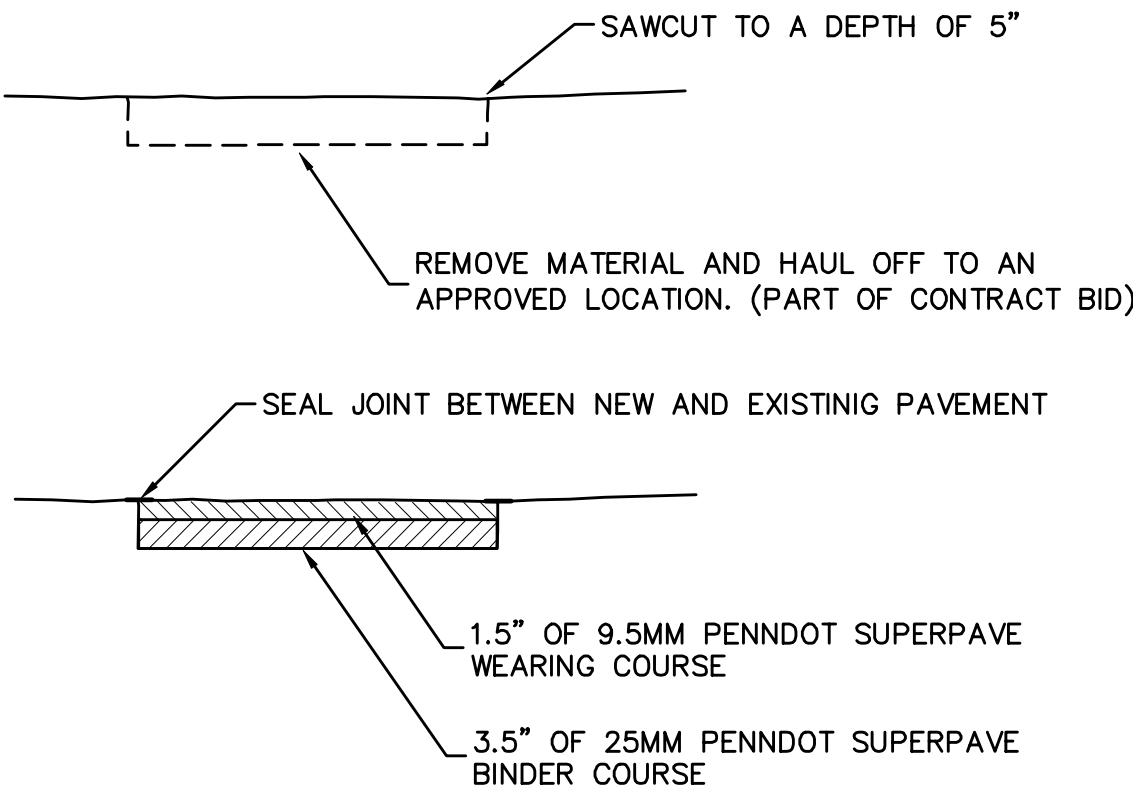
MKA Morris Knowles & Associates, Inc.
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DESIGNED BY: DFS
REVIEWED BY: RVD
DRAWN BY: DRW
DATE: MO YEAR
PROJ. NO.: PROJ NO

SCALE:
SCALE

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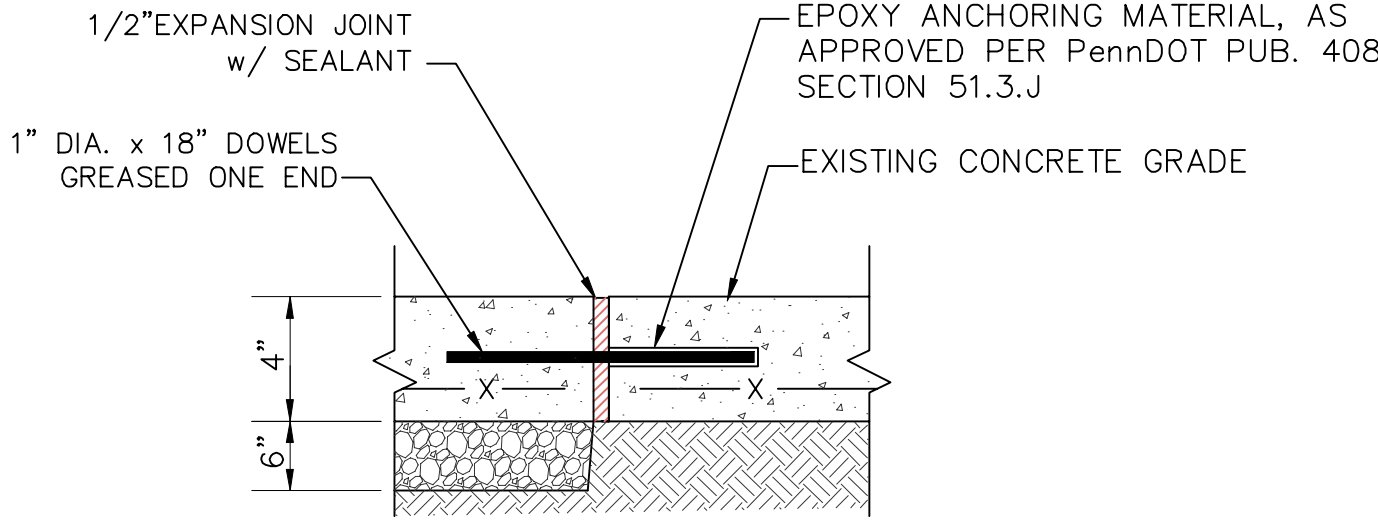
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SOFT SPOT REPAIR

N.T.S.

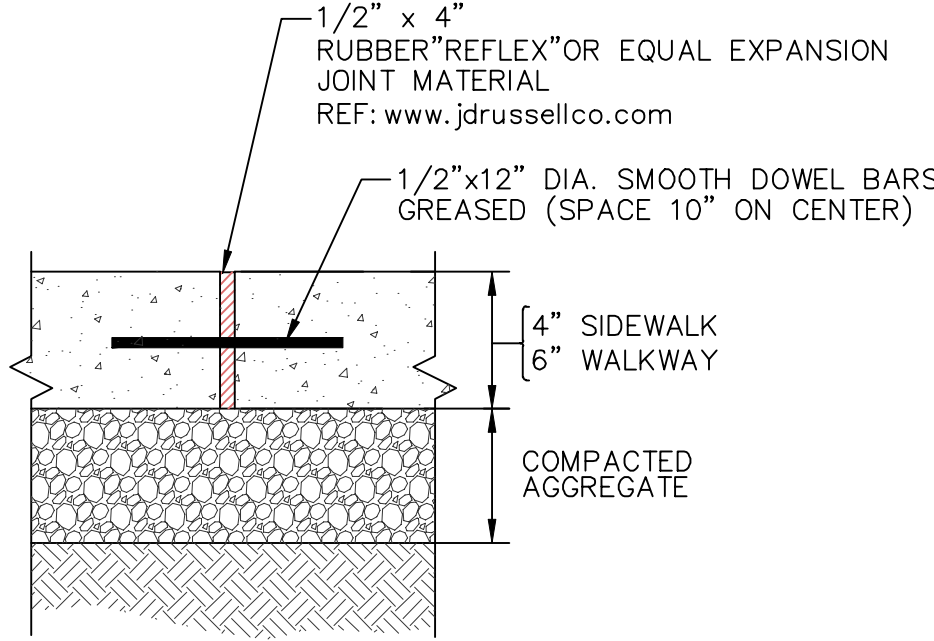
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C601



CONCRETE SIDEWALK CONNECTION
AT EXISTING SIDEWALK GRADE

N.T.S.

2
C601



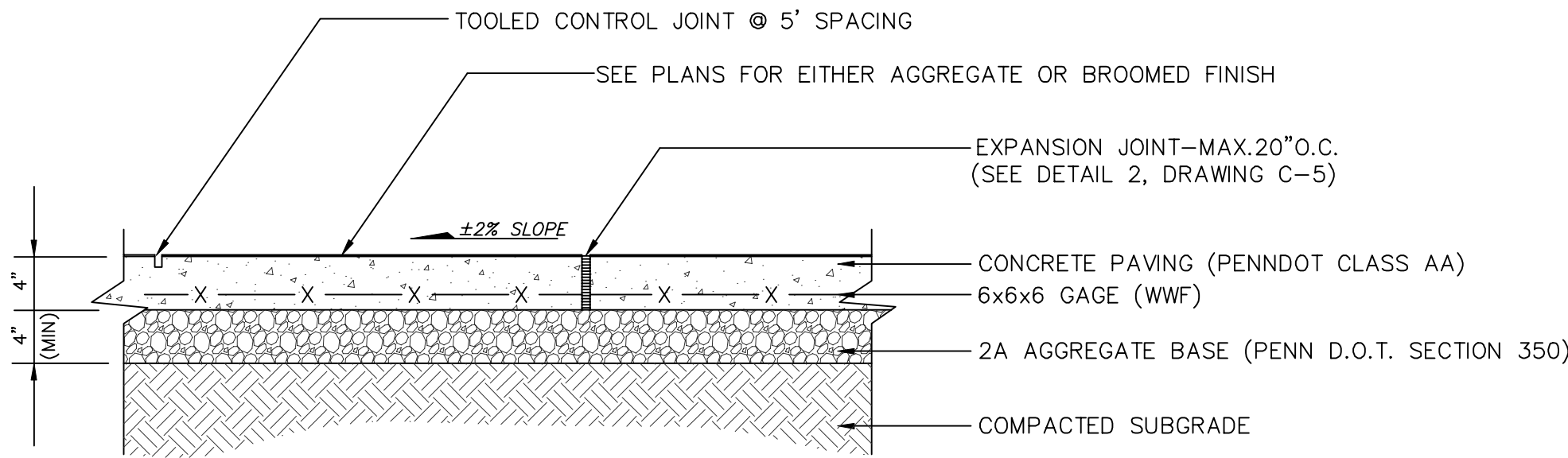
CONCRETE SIDEWALK EXPANSION JOINT

N.T.S.

3
C601

JOINT NOTES:

- JOINTS SHALL BE TOOLED, NOT SAWCUT.
- JOINT FILLER MATERIAL (@ ALL ISOLATION JOINTS) SHALL BE RUBBER "FEFLEX" OR APPROVED EQUAL, IN ACCORDANCE W/ PENNDOT PUBLICATION 408. FOAM BACKER ROD (@ ALL CONTRACTION JOINTS) SHALL BE MANUFACTURED FOR USE IN PAVEMENT AND WALKWAY JOINTS BY THE JOINT SEALANT MANUFACTURER.
- W.C.H.A. RESERVES THE RIGHT TO DISASSEMBLE ONE (1) ISOLATION AND ONE (1) CONTRACTION JOINT AT THE CONTRACTOR'S EXPENSE TO DETERMINE COMPLIANCE WITH CONTRACT REQUIREMENTS.



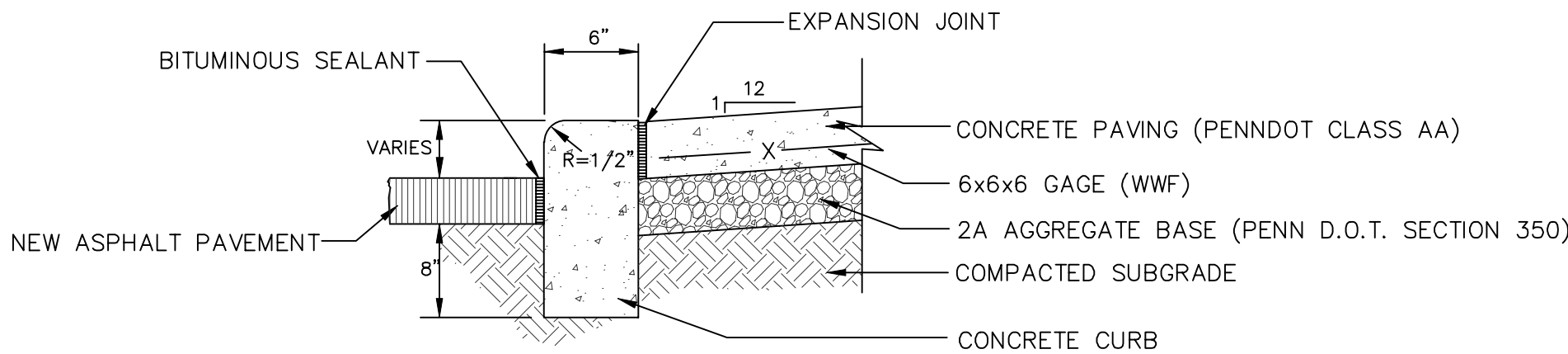
TYPICAL CONCRETE SIDEWALK

N.T.S.

4
C601

NOTES:

- CONCRETE SIDEWALK TO BE 5 FT. WIDE UNLESS OTHERWISE NOTED.
- CROSS SLOPE OF CONCRETE SIDEWALKS TO BE 2% MAX.



CURB & SIDEWALK DETAIL

N.T.S.

5
C601

CONCRETE PAVEMENT NOTES:

- CONCRETE PAVEMENT SHALL BE CLASS AA, IN ACCORDANCE WITH PENNDOT PUBLICATION 408 SECTION 704. LATEST EDITION. UNLESS OTHERWISE NOTED, CONSTRUCTION OF CONCRETE WALKS SHALL BE IN ACCORDANCE WITH SECTION 676.
- COMPACT SUBGRADE TO 95% MAX. MODIFIED PROCTOR DRY DENSITY IN ACCORDANCE WITH ASTM D1557. REFER TO TECHNICAL SPECIFICATION SECTION 02200 FOR ADDITIONAL INFORMATION. NOTIFY ARCHITECT UPON COMPLETING SUBGRADE COMPACTION. DO NOT APPLY SUBBASE UNTIL COMPACTION HAS BEEN APPROVED BY THE TESTING AGENCY.
- DO NOT USE 2x4's FOR FORMING CONCRETE WALKS. 2x4's YIELD A CONCRETE DEPTH OF 3 1/2", WHICH IS UNACCEPTABLE.
- FURNISH WELDED WIRE FABRIC IN FLAT SHEETS, NOT ROLLS. ACCURATELY PLACE AS DETAILED. CHAIRS SHALL BE SPACED AT 2'-0" O.C. FOR MESH SUPPORT.
- ISOLATION JOINTS TO BE LOCATED WHERE CONCRETE MEETS BUILDING WALLS, FOUNDATIONS, STOOPS, AND CURBS. ISOLATION JOINTS SHALL ALSO BE CONSTRUCTED AT ANY CHANGE OF DIRECTION.
- ISOLATION JOINTS TO BE TYPICALLY SPACED AT 20'-0" INTERVALS ON WALKS.
- CONTRACTION JOINTS TO BE TYPICALLY SPACED AT 5'-0" INTERVALS ON WALKS.
- SPACE JOINTS IN CONCRETE PAVEMENT TO FORM SQUARE OR NEARLY SQUARE PANELS. THE PANEL LENGTH SHALL NOT EXCEED WIDTH BY MORE THAN 33% (MAX. ASPECT RATIO = 1.33:1.00).
- JOINT SPACING IN IRREGULAR SHAPED AREAS OF PAVEMENT OR PAVEMENT OTHER THAN WALKS SHALL BE IN COMPLIANCE WITH ACCEPTED CONSTRUCTION PRACTICES.
- THE JOINT SEALANT MATERIAL SHALL BE TWO-COMPONENT URETHANE SPECIFICALLY MANUFACTURED FOR USE AS A PAVEMENT JOINT SEALANT. SEALANT SHALL BE TYPE M, GRADE P OR SL, CLASS 25 AND USE T IN ACCORDANCE WITH ASTM C 920. THE CONTRACTOR SHALL CONSULT THE JOINT SEALANT MANUFACTURER FOR USE OF SPECIFIED SEALANT IN JOINTS OF PAVEMENT OR RAMPS WITH SLOPES GREATER THAN 5%. A GUN GRADE JOINT SEALANT WITH A TOOLED FINISHED WILL BE NECESSARY FOR USE AT THESE AREAS. COMPLY WITH MANUFACTURER'S RECOMMENDATIONS. THE SEALANT COLOR SHALL MATCH THE ADJACENT CONCRETE. INSTALL SEALANT, BOND BREAKER TAPE, BACKER ROD/ PREMOLDED JOINT FILLER AS DETAILED AND IN STRICT COMPLIANCE WITH MANUFACTURER'S INSTRUCTIONS.

- THE TOP OF THE JOINT SEALANT MATERIAL SHALL NOT BE LESS THAN 1/16" NOR MORE THAN 3/16" BELOW THE SURFACE OF THE PAVEMENT.
- CUT ISOLATION JOINT FILLER MATERIAL TO CONFORM TO THE CROSS SECTION OF THE PAVEMENT AND FURNISH IN STRIPS EQUAL TO THE WIDTH OF THE PAVEMENT SLAB.
- POLYETHYLENE BOND BREAKER TAPE SHALL BE SPECIFICALLY MANUFACTURED FOR THIS APPLICATION AND RECOMMENDED BY THE SEALANT MANUFACTURER.
- NEW CONCRETE SURFACES WITH SLOPES LESS THAN 5% SHALL HAVE A FINE-HAIR BROOM FINISH PERPENDICULAR TO THE DIRECTION OF PEDESTRIAN TRAFFIC.
- NEW CONCRETE SURFACES WITH SLOPES EQUAL TO OR GREATER THAN 5% (I.E. HANDICAP RAMPS) SHALL HAVE A STIFF BRISTLE BROOM FINISH PERPENDICULAR TO THE DIRECTION OF PEDESTRIAN TRAFFIC.

CONCRETE CONSTRUCTION SPECIFICATIONS:

- ALL REINFORCED CONCRETE SHALL BE IN CONFORMANCE WITH THE BE IN CONFORMANCE WITH THE "BUILDING CODE REQUIREMENTS "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" FOR REINFORCED CONCRETE" (A.C.I. 318, LATEST EDITION, AS REVISED) OF THE AMERICAN CONCRETE INSTITUTE.
- ALL CONCRETE SHALL BE PENNDOT CLASS AA HAVING A DESIGN COMPRESSIVE STRENGTH OF 3750 PSI AT 28 DAYS. ALL EXPOSED CONCRETE SHALL BE AIR ENTRAINED.

CONCRETE MIX DESIGN-REQUIREMENTS

- 7 SACK PORTLAND CEMENT MIX/CY
- .75"-1.0" AGGREGATE SIZE CLASSIFICATION
- 6-7% AIR ENTRAINMENT AT JOB SITE POUR
- 4-4.5" SLUMP AT JOB SITE POUR
- MINIMUM POUR TEMPERATURE - 40 DEGREES F.

- ADMXITURES: TO BE APPROVED BY OWNER IN ADVANCE OF ORDERING.

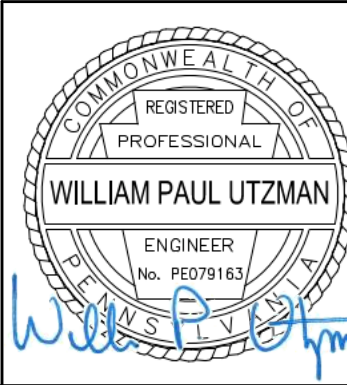
- ALL REINFORCING BARS SHALL BE DEFORMED BILLET STEEL BARS MEETING ASTM A-615 SPECIFICATIONS, LATEST EDITION, WITH A MINIMUM YIELD STRENGTH OF 60,000 PSI. DO NOT WELD GRADE 60 REINFORCING STEEL BARS.
- ALL DETAILING OF REINFORCING BARS, UNLESS OTHERWISE NOTED, SHALL FOLLOW THE ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES.

TABLE A
Cement Concrete Criteria

Class of Concrete	Use	Cement Factor ⁽²⁾⁽⁵⁾ (lbs/cu. yd.)		Maximum Water Cement Ratio ⁽⁶⁾ (lbs/lbs)	Minimum Mix ^(2,9) Design Compressive Strength (psi)				Proportions Coarse ⁽¹⁾ Aggregate Solid Volume (cu. ft./cu. yd.)	28-Day Structural Design Compressive Strength (psi)
					Days					
		Min.	Max.		3	7	28	56 ⁽¹⁰⁾		
AAAP	Bridge Deck	560	640	0.45	—	3,000	4,000	—	—	4,000
AAA ⁽⁴⁾	Other	634.5	752	0.43	—	3,600	4,500	—	—	4,000
AA	Slip Form Paving ⁽⁷⁾	587.5	752	0.47	—	3,000	3,750	—	11.00-13.10	3,500
AA	Paving	587.5	752	0.47	—	3,000	3,750	—	9.93-13.10	3,500
AA	Accelerated Patching ⁽⁸⁾	587.5	800	0.47	—	—	3,750	—	9.93-13.10	3,500
AA	Structures	587.5	752	0.47	—	3,000	3,750	—	9.93-13.10	3,500
A	and	564	752	0.50	—	2,750	3,300	—	10.18-13.43	3,000
C	Misc.	394.8	658	0.66	—	1,500	2,000	—	11.45-15.10	2,000

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TABLE FROM PENNDOT 408 LATEST EDITION.



GENERAL DETAILS

HEMPFIELD TOWERS SITE IMPROVEMENTS

WESTMORELAND COUNTY HOUSING AUTHORITY

HEMPFIELD TWP, WESTMORELAND COUNTY, PA

Morris Knowles & Associates, Inc.

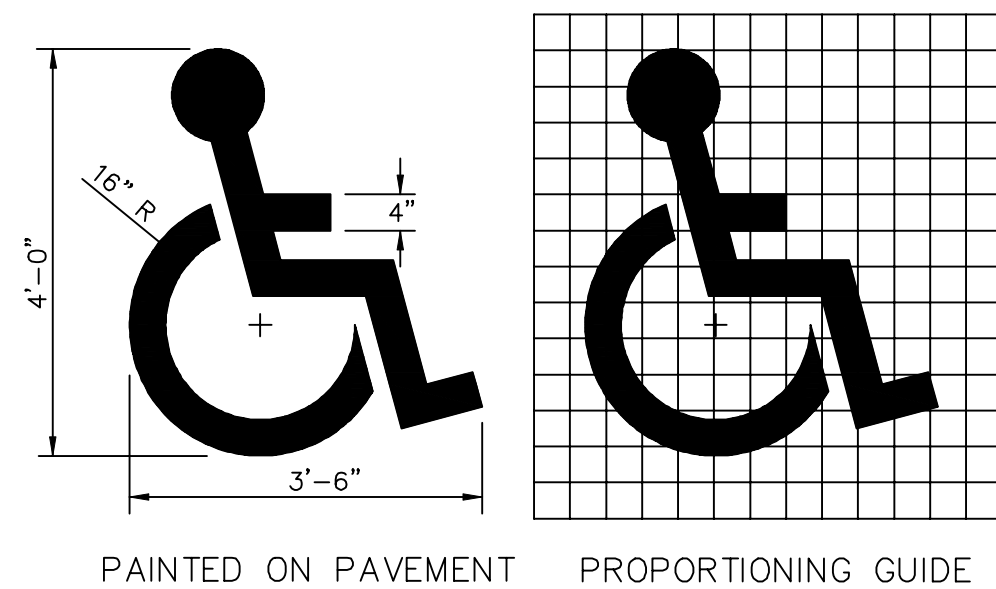
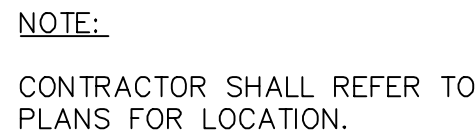
1740 Monroeville, Pa 15146

Telephone: (724) 469-4822

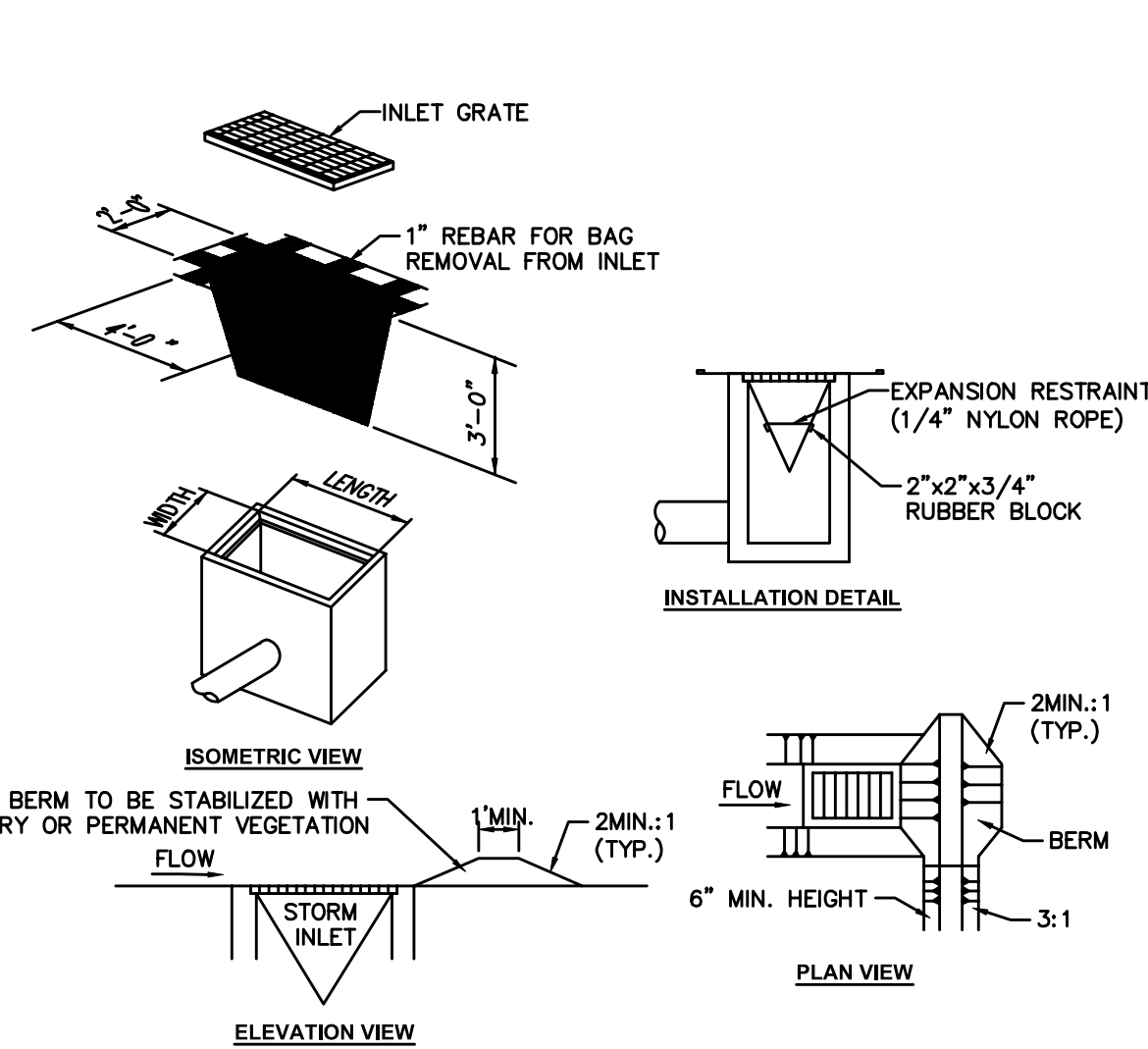
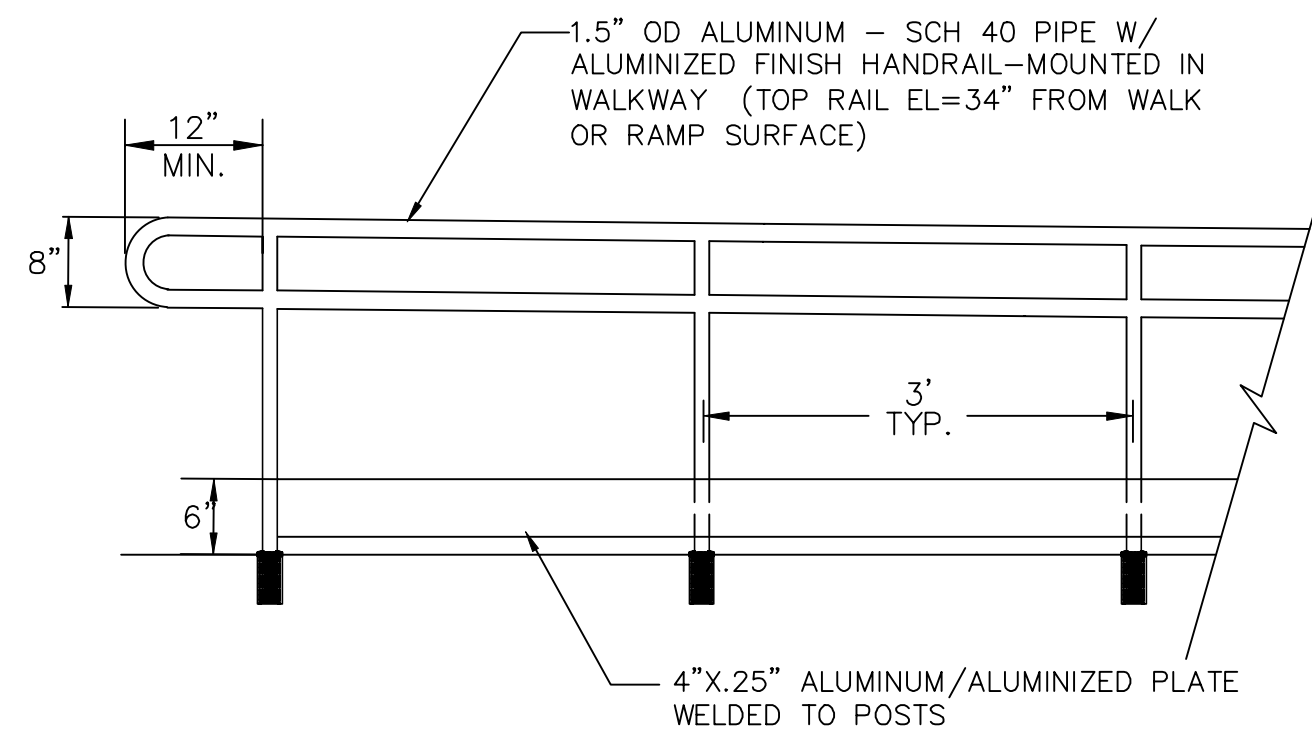
info@morrisknowles.com www.morrisknowles.com

SHEET NO. C601

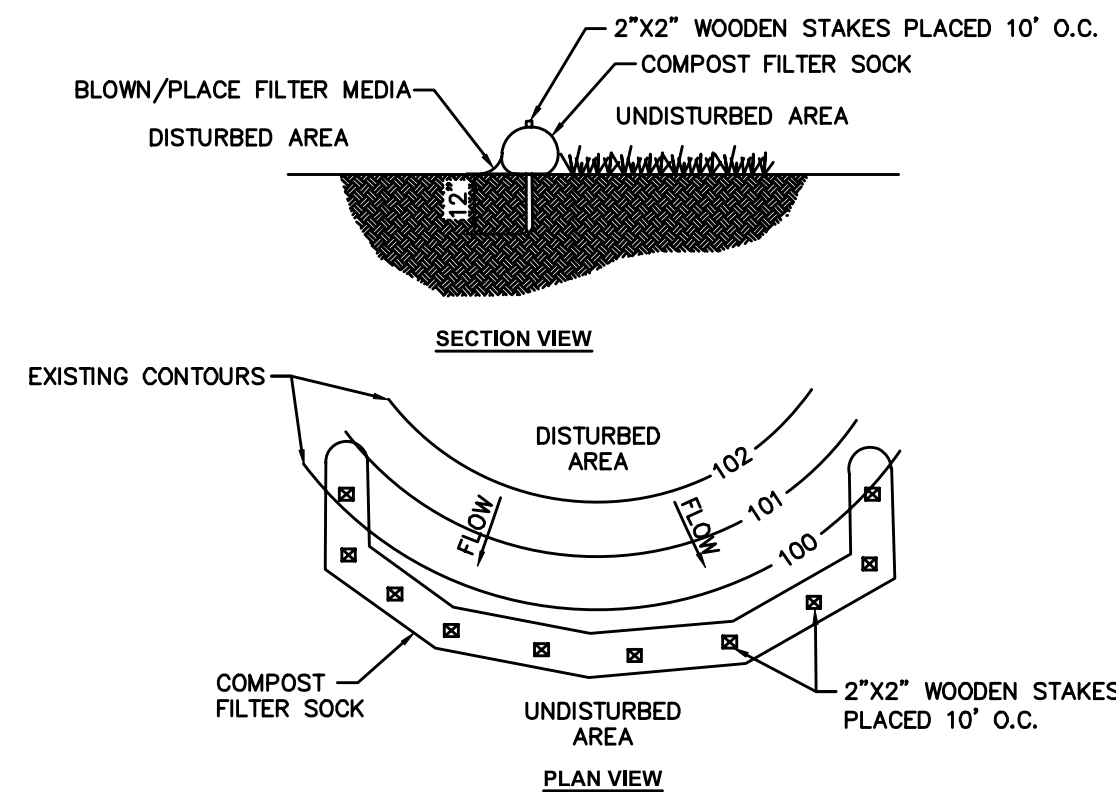
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LAST SAVE: Sep 30, 2025 - 8:50am



1. PROVIDE 2 COATS OF BLUE ALKYD TRAFFIC PAINT, ALLOWING 1 WEEK MINIMUM BETWEEN COATS.
2. LINE STRIPPING MARKING THE UFAS ACCESSIBLE ROUTE SHALL BE 4" WIDE BLUE PAINT.
3. REF. PARKING REHAB. SPECIFICATIONS AND PENNDOT 408 SPECIFICATIONS FOR ADDITIONAL INSTALLATION & MATERIAL REQUIREMENTS.

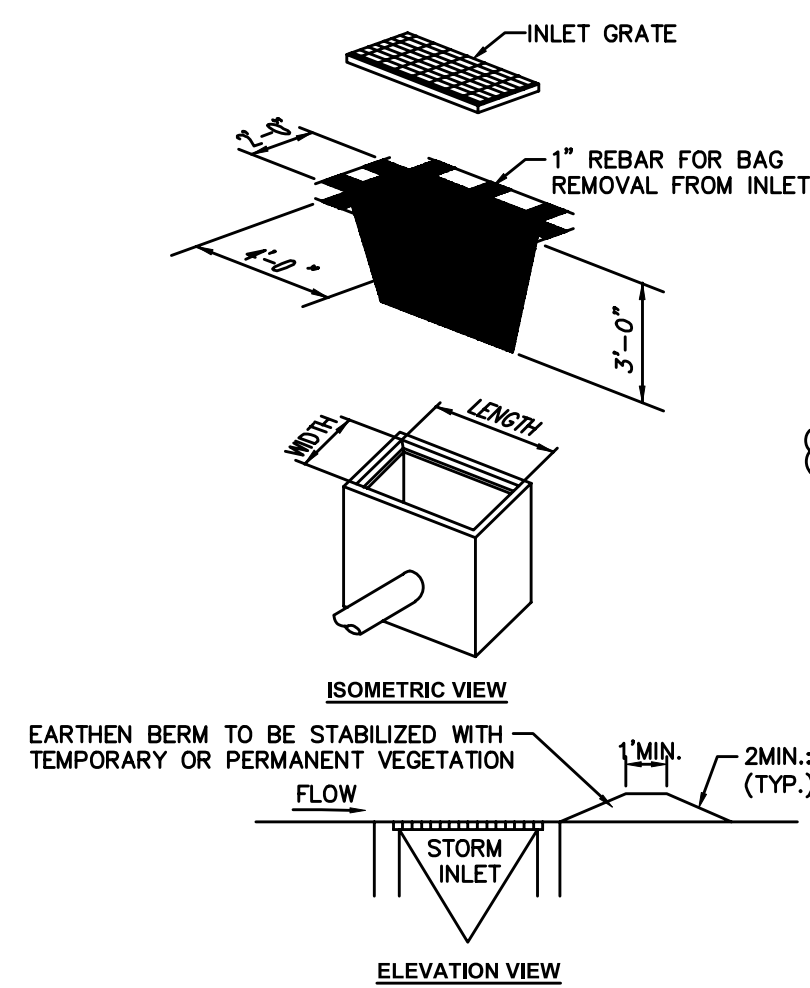


1. PREPARE AND GRADE LAWN AREA STIPPED AND DISTURBED BY CONSTRUCTION. CONTRACTOR SHALL INSURE SITE SLOPES IN A POSITIVE DIRECTION AWAY FROM BUILDING AND TO STORMWATER INLETS OR ROADWAY GUTTER LINE.
2. CONTRACTOR SHALL INSTALL A MINIMUM OF 6" SCREENED TOPSOIL TO MATCH OR BLEND EXISTING GRADES.
3. CONTRACTOR SHALL INSTALL PELLETIZED LIMESTONE SUPPLEMENT, A COMMERCIAL GRADE STARTER FERTILIZER, SEED AND MULCH WITH MUSHROOM MANURE.
4. CONTRACTOR SHALL MAINTAIN GRASS FOR A PERIOD OF TIME AS SPECIFIED WITHIN THE CONTRACT BID SPECIFICATIONS.

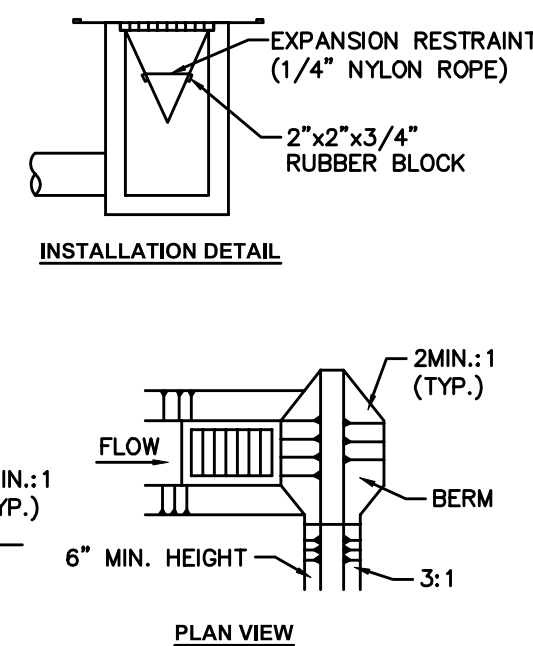


Upon stabilization of the area tributary to the sock, stakes shall be removed. The sock may be left in place and vegetated or removed. In the latter case, the mesh shall be cut open and the mulch spread as a soil supplement.

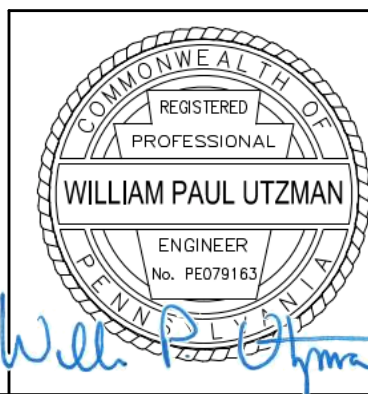
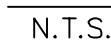
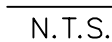
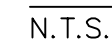
Filter bags shall be inspected daily. If any problem is detected, pumping shall cease immediately and not resume until the problem is corrected.



DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.



N.T.S.



GENERAL DETAILS
HEMPFIELD TOWERS SITE IMPROVEMENTS
 prepared for
 WESTMORELAND COUNTY HOUSING AUTHORITY
 situated in
 HEMPFIELD TWP, WESTMORELAND COUNTY, PA

SHEET NO.
C602

DWG. PATH: P:\Clients\1885 WCHA 2017-2021\1885.24 Hempfield Towers Paving\CAD\1885-24 HempfieldTowers-SiteImprovements.dwg
LAST SAVE: Sep 30, 2025 - 8:57am waultman