1. The Applicants request a variance from Section 200-57.C.(6) of the East Whiteland Township Zoning Ordinance to permit single-family attached dwellings and townhouses in rows of
2. single-family detached dwellings.
3. The Applicants request a waiver of the East Whiteland Township Subdivision and Land Development Ordinance Section 175-32.B(3) that requires roadway curves to have a minimum centerline radius of 150 feet. A minimum radius of 50 feet is proposed.
4. The Applicants request a waiver of the East Whiteland Township Subdivision and Land Development Ordinance Section 175-40.B.(1) requiring open space areas to be set aside for park, playground, or recreational purposes. The open space is proposed to be located on the northern portion of the site.
5. The Applicants request a variance from Section 200-57.C.(6) of the East Whiteland Township Zoning Ordinance to permit retaining walls to exceed 6 feet in height.
6. The Applicants request a waiver of the East Whiteland Township Subdivision and Land Development Ordinance Section 175-32.B(3) that requires roadway curves to have a minimum centerline radius of 150 feet. A minimum radius of 50 feet is proposed.
7. The Applicants request a variance from Section 200-57.C.(6) of the East Whiteland Township Zoning Ordinance to permit retaining walls to exceed 6 feet in height.
8. The Applicants request a waiver of the East Whiteland Township Subdivision and Land Development Ordinance Section 175-32.B(3) that requires roadway curves to have a minimum centerline radius of 150 feet. A minimum radius of 50 feet is proposed.
9. The Applicants request a variance from Section 200-57.C.(6) of the East Whiteland Township Zoning Ordinance to permit retaining walls to exceed 6 feet in height.
10. Sanitary sewer service shall be provided by East Whiteland Township. A blanket easement shall be provided to East Whiteland Township for the purpose of access, inspection, repair, and maintenance of the sanitary sewer system. All sewer facilities shall be offered for dedication to East Whiteland Township.
11. Property to be served by public water and sewer.
13. Scale: 1" = 2000'.
14. This plan has been phased for purposes of construction, financing and title as per standards and field conditions. The applicable agency must be contacted and based on field survey of utility mark-outs, field survey of above-ground, visible utility mark-outs does not ensure mapping of all underground utilities and contained by signing the name of the corporation by himself.
15. Inland Design, LLC. Any reuse without written permission, verification, exposure to Inland Design, LLC the third party shall further indemnify.
16. Inland Design, LLC expressly reserves its common law copyright and all rights to this project for Inland Design, LLC.
17. They are to be used only in respect to this project and are neither to be transferred.
18. The required as-built plans shall be provided to the Township for review and approval.
19. This approval is based on field survey of utility mark-outs, field survey of above-ground, visible utility mark-outs does not ensure mapping of all underground utilities and contained by signing the name of the corporation by himself.
20. The speed limit for all private streets and alleys, and the portion of Malin Road downstream of Manhole #1 shall be removed.
21. The speed limit for all private streets and alleys, and the portion of Malin Road downstream of Manhole #1 shall be removed.
22. The speed limit for all private streets and alleys, and the portion of Malin Road downstream of Manhole #1 shall be removed.
23. This plan has been phased for purposes of construction, financing and title as per standards and field conditions. The applicable agency must be contacted and based on field survey of utility mark-outs, field survey of above-ground, visible utility mark-outs does not ensure mapping of all underground utilities and contained by signing the name of the corporation by himself.
24. East Whiteland Township and the Developers shall evaluate the condition of Malin Road and downstream of Manhole #1. Clear sight easements shall be provided to East Whiteland Township.
25. The speed limit for all private streets and alleys, and the portion of Malin Road downstream of Manhole #1 shall be removed.
26. The speed limit for all private streets and alleys, and the portion of Malin Road downstream of Manhole #1 shall be removed.
27. All sanitary sewer design and construction shall conform to the East Whiteland Township Subdivision and Land Development Ordinance requiring the preliminary plan, as shown and described hereon.
28. The speed limit for all private streets and alleys, and the portion of Malin Road downstream of Manhole #1 shall be removed.
29. The speed limit for all private streets and alleys, and the portion of Malin Road downstream of Manhole #1 shall be removed.
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70. The speed limit for all private streets and alleys, and the portion of Malin Road downstream of Manhole #1 shall be removed.
Pennsylvania One Call System
PA. act 172 of 1986 requires three working days notice for locating existing subsurface structures.

InLand Design, LLC does not guarantee the accuracy of the locations for existing subsurface utility structures shown on the plans, nor does InLand Design, LLC 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.

Civil Engineers, Surveyors & Land Development Consultants
16 Hagerty Blvd.
West Chester, PA 19382
www.InLandDesign.net
Phone: (484) 947-2928
Fax: (484) 947-2946
Info@InLandDesign.net

MATCH LINE (SEE PLAN 'B')
EXISTING RIGHT OF WAY LINE
EXISTING CURB LINE
PROPOSED CURB LINE
EXISTING WALL
PROPOSED CONCRETE SIDEWALK
EXISTING FENCE LINE
PROPOSED FENCE LINE
EXISTING CONCRETE SIDEWALK
PROPOSED RIGHT OF WAY LINE
ADJOINING PROPERTY LINE
PROPERTY BOUNDARY
EXISTING ROAD CENTERLINE
PROPOSED ROAD CENTERLINE
PROPOSED EASEMENT LINE
EXISTING EASEMENT LINE
EXISTING DRIVEWAY
PROPOSED DRIVEWAY
EXISTING ROAD / PAVING
PROPOSED ROAD / PAVING
EXISTING STONE DRIVE
PROPOSED STONE DRIVE
PROPOSED "STOP" SIGN
EXISTING SIGN
EXISTING UTILITY POLE
EXISTING LIGHT
PROPOSED PHASE LINE
EXISTING WATERS OF THE U.S.
EXISTING WETLANDS
PROPOSED PAVERS
PROPOSED STREET SIGN
PROPOSED STREET LIGHT
PROPOSED SPEED LIMIT SIGN
PROPOSED "KEEP RIGHT" & WARNING DIAMOND SIGN
PROPOSED "NO OUTLET" SIGN
PROPOSED "EMERGENCY & AUTHORIZED VEHICLES ONLY" SIGN
PROPOSED "NO PARKING" SIGN
EXISTING RAIL ROAD TRACKS
ZONING BOUNDARY LINE
EXISTING WETLANDS MODIFIED BY ACOE
EXISTING WETLANDS
PROPOSED GORE TRANSITION
PROPOSED PEDESTRIAN CROSS WALK
PROPOSED "ALL TRAFFIC MUST TURN RIGHT" SIGN
PROPOSED "ROAD NARROWS" SIGN
PROPOSED SEGMENTAL WALL
PROPOSED 5' CURB TAPER
PROPOSED STOP BAR
CLEAR SITE TRIANGLE

SIGHT DISTANCE CHART
ROAD NAME LOOKING RIGHT LOOKING LEFT
ROAD 'B' (STA. 10+97) > 250 FT. 15 FT. (END OF ROAD)
ROAD 'B' (STA. 0+10) > 250 FT. 223 FT. (END OF ROAD)
ROAD 'C' (STA. 11+51) > 250 FT. > 250 FT.
ROAD 'C' (STA. 0+10) > 250 FT. > 250 FT.
ROAD 'D' (STA. 0+10) > 250 FT. > 250 FT.
ROAD 'E' (STA. 0+10) > 250 FT. > 250 FT.
2. ALL CHANNELS SHALL BE KEPT FREE OF OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO FILL, LINING. ANY BASE FLOW WITHIN THE CHANNEL SHALL BE CONVEYED PAST THE WORK AREA IN PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE PROTECTIVE LINING.

7. AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE PLAN.

1. FABRIC WIDTH SHALL BE 30" MINIMUM. STAKES SHALL BE HARDWOOD OR EQUIVALENT STEEL (U OR T) STAKES. FENCE SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO (PADEP STANDARD CONSTRUCTION DETAIL #3-1)

2. ALL ON-LOT DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED BY SEEDING WITH THE FOLLOWING SEED RECOMMENDED RATES. DISTURBED AREAS WHICH ARE NOT FINISHED AT GRADE AND WHICH WILL BE

3. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES HALF THE ABOVEGROUND CONDITION, THOSE AREAS SHALL BE RESEEDED WITH REED CANARY GRASS AT THE RATE OF 100 POUNDS PER

4. PLACE CONSECUTIVE BLANKETS END OVER END (SHINGLE STYLE) WITH A 4"-6" (10cm-15cm) OVERLAP. USE A DOUBLE ROW OF STAPLES STAGGERED 4" (10cm) APART AND 4" (10cm) ON CENTER TO SECURE BLANKETS.

6. ADJACENT BLANKETS MUST BE OVERLAPPED APPROXIMATELY 2"-5" (5cm -12.5cm) (DEPENDING ON BLANKET TYPE) AND STAPLED. TO ENSURE PROPER SEAM ALIGNMENT (FIGURE 4.1). MAXIMUM SLOPE LENGTH ABOVE ANY SOCK SHALL NOT EXCEED THAT SHOWN ON FIGURE 4.2. STAKES MAY BE INSTALLED IMMEDIATELY DOWNSLOPE OF THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE

5. THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER 4. THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER,

2. A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES MUST BE PROVIDED.

3. ROLL CENTER BLANKET IN DIRECTION OF WATER FLOW IN BOTTOM OF CHANNEL. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE.

4. SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS

8. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPS SHALL BE MAINTAINED PROPERLY. MAINTENANCE

18. ALL SEDIMENT REMOVED FROM BMPS SHALL BE DISPOSED OF IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS.

19. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 TO 5 INCHES -- 6 TO 12 INCHES

23. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO

24. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.25. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE

20. TRAP NO. Z1

21. A ROCK FILTER OUTLET SHALL BE INSTALLED WHERE FAILURE OF A SILT

22. ALL CHANNELS SHALL BE KEPT FREE OF OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO FILL, LINING. ANY BASE FLOW WITHIN THE CHANNEL SHALL BE CONVEYED PAST THE WORK AREA IN PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE PROTECTIVE LINING.

26. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO

27. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.28. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE

29. E&S BMPS SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY

30. E&S BMPS SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY

31. E&S BMPS SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY
ALL WOODY VEGETATION TO BE RETAINED WITHIN 25 FEET OF A BUILDING SITE, PARKING AREA, DRIVEWAY OR OTHER PROPOSED IMPROVEMENT SHALL BE PROTECTED FROM EQUIPMENT DAMAGE BY FENCING OR OTHER EFFECTIVE BARRIERS APPROVED BY THE TOWNSHIP ENGINEER AND/OR ARBORIST. FENCING OR BARRIERS SHALL BE PLACED AS MUCH AS IS PRACTICAL AT THE DRIPLINE. LOCATION MAY BE ALTERED TO AVOID ON THE PLANS. BARRIER LOCATION SHALL BE SUBJECT TO APPROVAL BY THE TOWNSHIP ENGINEER AND/OR ARBORIST.

REQUIREMENTS CHART

<table>
<thead>
<tr>
<th>PROPERTY LINE</th>
<th>STREET TREES</th>
</tr>
</thead>
<tbody>
<tr>
<td>NORTH</td>
<td>(NEIGHBORING DISTRICT = I - INDUSTRIAL) 0 * (35) EVERGREEN TREES</td>
</tr>
<tr>
<td>WEST</td>
<td>(NEIGHBORING DISTRICT = I - INDUSTRIAL) 0 * (53) EVERGREEN TREES</td>
</tr>
<tr>
<td>SOUTH</td>
<td>(NEIGHBORING DISTRICT = I - INDUSTRIAL) 0 * (9) EVERGREEN TREES AND EXISTING VEGETATION.</td>
</tr>
<tr>
<td>EAST</td>
<td>(NEIGHBORING DISTRICT = R3 - LOW DENSITY RESIDENTIAL) 1) SHADE TREE, 1) CONIFEROUS TREE PER 5,000 SF LOT 482,000 S.F. / 5,000 = 96.48 97 SHADE TREES &amp; 97 CONIFEROUS TREES (* - USED TO PROVIDE BUFFERING ALONG PROPERTY LINES)</td>
</tr>
</tbody>
</table>

PLANT LIST

<table>
<thead>
<tr>
<th>PLANT</th>
<th>QTY.</th>
<th>CAL./HT/ ROOT</th>
</tr>
</thead>
<tbody>
<tr>
<td>GT GLEDITSIA TRICANTHOS INERMIS SHADEMASTER SHADEMASTER LOCUST</td>
<td>57</td>
<td>2 1/2&quot; CAL. B&amp;B</td>
</tr>
<tr>
<td>QP QUERCUS PHELLOS WILLOW OAK</td>
<td>28</td>
<td>2 1/2&quot; CAL. B&amp;B</td>
</tr>
<tr>
<td>AR ACER RUBRUM RED MAPLE</td>
<td>43</td>
<td>2 1/2&quot; CAL. B&amp;B</td>
</tr>
<tr>
<td>SYC TILIA CORDATA LIFTIELEAF LINDON</td>
<td>55</td>
<td>2 1/2&quot; CAL. B&amp;B</td>
</tr>
<tr>
<td>GP QUERCUS IMBRICARIA LAUREL OAK</td>
<td>82</td>
<td>1 1/2&quot; CAL. B&amp;B</td>
</tr>
<tr>
<td>JV JUNIPERUS VIRGINIA EASTERN RED CEDAR</td>
<td>18</td>
<td>7' - 8' HT. B&amp;B</td>
</tr>
<tr>
<td>WP PINUS STROBUS EASTERN WHITE PINE</td>
<td>32</td>
<td>7' - 8' HT. B&amp;B</td>
</tr>
<tr>
<td>PO PICEA ABIES NORWAY SPRUCE</td>
<td>47</td>
<td>16-18' HT. B&amp;B</td>
</tr>
<tr>
<td>HB CARPINUS BET FASTIGIATA' COLUMNAR HORNBEAM</td>
<td>62</td>
<td>1 1/2&quot; CAL. B&amp;B</td>
</tr>
<tr>
<td>CC CERCIS CANADENSIS EASTERN REDBUD</td>
<td>13</td>
<td>2&quot; CAL. B&amp;B</td>
</tr>
<tr>
<td>Y TAXUS CUPSIDATA HATFIELD UPRIGHT YEW</td>
<td>39</td>
<td>30&quot; - 36&quot; B&amp;B</td>
</tr>
<tr>
<td>MP MYRICA PENNSYLVANICA NORTHERN BAYBERRY</td>
<td>16</td>
<td>30&quot; - 36&quot; CONT.</td>
</tr>
</tbody>
</table>

NOTE

Pennsylvania One Call System
ON IA CALL SHEET

PA. act 172 of 1986 requires InLand Design, LLC expressly reserves its common law copyright and all other proprietary rights in these plans. All drawings, specifications and copies thereof are and shall remain the property of InLand Design, LLC. They are to be used only in respect to this project and are neither to be re-used, re-adapted, re-distributed, re-sold, re-released, re-distributed, or otherwise utilized for any purpose other than that intended, will be at the third party's sole risk and without liability or legal exposure to InLand Design, LLC the third party shall further indemnify and hold harmless InLand Design, LLC from all claims, damages, losses, and expenses arising thereto or resulting therefrom.

DRAWN BY:
PEN PENNSYLVANIA ACT 187 REQUIREMENTS:

CHECKED BY:
PA 20141642689

CIVIL ENGINEERS, SURVEYORS & LAND DEVELOPMENT CONSULTANTS
16 Hagerty Blvd.
West Chester, PA 19382
1-800-242-1776
www.InLandDesign.net
Info@InLandDesign.net
Phone: (484) 947-2928
Fax: (484) 947-2946
1. ALL LIGHT FOUNDATIONS SHALL BE INSTALLED A MINIMUM OF 2 FT. FROM ANY WATER MAINS.

MANUFACTURER: PHILIPS, HADCO

LIGHT LEGEND

PRODUCT: CF15, WESTBROOK 413F, LOW-COPPER CAST ALUMINUM. 0.090" THICK SPUN ALUMINUM.

POST DIAMETER: 4" POST MOUNT

MOUNTING: TOP ARM

FINISH: BLACK

HINGED LENS FRAME IS CAST ALUMINUM WITH STAINLESS STEEL SPRING LATCH FOR TOOL-LESS LAMP ACCESS. A WEATHERPROOF BALLAST ASSEMBLY ISOLATES THE BALLAST FROM WATER AND HEAT FOR LONGER LIFE. INCLUDES 0.090" THICK SPUN ALUMINUM DECORATIVE BRIM. DECORATIVE FLUTED ALUMINUM SPINNING AVAILABLE FOR BALLAST HOUSING. ALL NON-FERROUS FASTENERS PREVENT CORROSION AND LINE (SE

SOCKET: MOGUL

THERMOSET POLYESTER POWDERCOAT IS ELECTROSTATICALLY APPLIED AFTER A FIVE-STAGE CONVERSION CLEANING PROCESS AND BONDED BY HEAT FUSION THERMOSETTING. LABORATORY TESTED FOR SUPERIOR WEATHERABILITY AND FADE RESISTANCE IN ACCORDANCE WITH ASTMB117 SPECIFICATIONS. FOR LARGER PROJECTS WHERE A CUSTOM COLOR IS REQUIRED, CONTACT THE FACTORY FOR MORE INFORMATION.

HADCO LIGHTING TEST REPORT NO. TR09-0866

PHILIPS HADCO LIGHTING CF15TAGF3NG150SE

CUTOFF REFLECTOR WITH HORIZONTAL LAMP MOUNTING. REFLECTOR IS ROTATABLE IN 90° INCREMENTS. U.V. STABILIZED, CLEAR ACRYLIC SAG OUTREACH (FROM MOUNTING AXIS TO PHOTOMETRIC CENTER)= 20 IN MOUNTING HEIGHT= 12 FT OUTREACH (FROM MOUNTING AXIS TO PHOTOMETRIC CENTER)= 20 IN MOUNTING HEIGHT= 16 FT KW ALL LOCATIONS= 7.2 NUMBER LOCATIONS= 29, NUMBER LUMINAIRES= 29 KW ALL LOCATIONS= 4.4

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NOTE:

THE FOLLOWING SANITARY SEWER RUNS SHALL BE DEDICATED TO THE EAST WHITELAND TOWNSHIP SEWER AUTHORITY.

1. MANHOLES: 40, 39, 38, 37, 36, 35, 34, 33, 14, 10, 7, 6, 3, 2, 1

2. MANHOLES: 49, 48, 46, 44, 43, 41, TO EXISTING SANITARY MANHOLE IN MALIN ROAD AT STA. 0+58.

ALL OTHER SANITARY SEWERS SHALL BE OFFERED FOR DEDICATION.
NOTE:

THE FOLLOWING SANITARY SEWERS SHALL BE DEDICATED TO THE EAST WHITELAND TOWNSHIP SEWER AUTHORITY.

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IN MALIN ROAD AT STA. 0+58.

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Pennsylvania One Call System

No.

On

E

IA

PA. act 172 of 1986 requires
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other proprietary rights in these plans. All drawings, specifications and
copies thereof are and shall remain the property of InLand Design, LLC.

They are to be used only in respect to this project and are neither to be
used on any other project, nor are they to be assigned to any third party
without first obtaining the expressed written permission and consent of
InLand Design, LLC for the specific purpose intended, will be at the third party's sole risk and without liability or legal
consent or adaptation by InLand Design, LLC for the specific purpose

InLand Design, LLC does not guarantee the accuracy of the

plans, nor does InLand Design, LLC guarantee that all

locations for existing subsurface utility structures shown on the

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WEST

EAST

MALIN ROAD DEVELOPMENT PLAN

REGISTERED PROFESSIONAL ENGINEER

MALIN ROAD, MALVERN, PA 19355

CHARLES A. DOBSON

PENNSYLVANIA ACT 187 REQUIREMENTS:

MALIN ROAD DEVELOPMENT MALIN ROAD, MALVERN, PA 19355

PA. act 172 of 1986 requires
1. ALL PVC SDR 35 AND SDR 26 GRAVITY SEWER PIPE SHALL BE MANUFACTURED FROM PVC COMPOUND WITH A CELL CLASS OF 12364 AND/OR 12454 AS PER ASTM D 1784. PIPE SHALL BE MANUFACTURED IN STRICT COMPLIANCE TO ASTM D2241 WITH REGARD TO PRESSURE RATING, MATERIAL WORKMANSHIP, BURST PRESSURE, FLATTENING, IMPACT RESISTANCE AND EXTRUSION QUALITY. PVC SDR 35 AND SDR 26 PIPE SHALL CONFORM TO ASTM D 3034 FOR GASKET OR SOLVENT WELD PIPE WITH A MINIMUM PIPE STIFFNESS OF 46. PIPE SHALL BE PLASTIC SEWER MAIN OUTSIDE DIAMETER WITH A STANDARD DIMENSION RATIO (SDR) OF 35 OR 26 AS APPLICABLE. GASKETS SHALL CONFORM TO ASTM F 477. ALL PIPE TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND LOCAL CODE REQUIREMENTS. BURIED PIPE SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D 2321 AND ASTM F 1668. SOLVENT CEMENTS SHALL CONFORM TO ASTM D 2564, PRIMER SHALL CONFORM TO ASTM F 656.

2. SEWER PIPE INSTALLATION AT DEPTHS UP TO 12 FEET SHALL BE SDR 35. SEWER PIPE INSTALLATION AT DEPTHS BETWEEN 12 FEET AND 20 FEET SHALL BE SDR 26. ALL SEWER INSTALLATION DEEPER THAN 20 FEET SHALL BE CLASS 52 DUCTILE IRON PIPE.

3. ALL EXISTING AND PROPOSED SEWERS WITHIN THE PROJECT ARE 8 INCHES IN DIAMETER.

4. ALL EXISTING SANITARY MANHOLES TO REMAIN SHALL BE FIELD INVESTIGATED TO DETERMINE IF THEY NEED TO BE REPLACED TO SUPPORT THE PROPOSED CHANGES.

5. ALL SANITARY SEWER SHALL HAVE A MINIMUM 4' OF COVER.

6. ALL SANITARY SEWER DESIGN AND CONSTRUCTION SHALL CONFORM TO THE EAST WHITELAND TOWNSHIP STANDARD SPECIFICATIONS FOR CONSTRUCTION OF SANITARY SEWERS AND APPURTENANCES DATED MAY 9, 2013.

7. SHOP DRAWING SUBMITTALS FOR ALL PROPOSED SANITARY SEWER IMPROVEMENTS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL BY THE EAST WHITELAND TOWNSHIP ENGINEER.

NOTE: THE FOLLOWING SANITARY SEWER RUNS SHALL BE DEDICATED TO THE EAST WHITELAND TOWNSHIP SEWER AUTHORITY.

1. MANHOLES: 40, 39, 38, 37, 36, 35, 34, 33, 14, 10, 7, 6, 3, 2, 1
2. MANHOLES: 49, 48, 46, 44, 43, 41, TO EXISTING SANITARY MANHOLE IN MALIN ROAD AT STA. 0+58.

ALL OTHER SANITARY SEWERS SHALL BE OFFERED FOR DEDICATION.
Pennsylvania One Call System
PA. act 172 of 1986 requires three working days notice

Serial Numbers:
PENNSYLVANIA ACT 187 REQUIREMENTS:
InLand Design, LLC does not guarantee the accuracy of the locations for existing subsurface utility structures shown on the plans, nor does InLand Design, LLC 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.

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1. Construction Requirements:
408 Specifications, Sections 605, 606, 714; and as modified.

2. Minimum Concrete Class:
   - Cast-in-Place: Class A
   - Precast: Class AA

3. Provide steel reinforcement in accordance with Sec. 3.

4. Each type of inlet shown is suited for a particular situation as follows:
   - Type C Inlet is designated for installation with non-mountable footings - Cast-in-Place: 2 1/2” (top bars) 3” (bottom bars) 2” (side cover)
   - Type S Inlet is designated for installation in shoulder swale precast areas - 2” (top bars)

5. The section components to achieve a specified inlet assembly is the contractor's responsibility.

6. For footing reinforcement, top and bottom, use #4 bars at 12".

7. Sub-base drain openings will be provided where directed by the township engineer.

**Table**

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Height Range</th>
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<tbody>
<tr>
<td>#4 Bars @ 12&quot; C. To C.</td>
<td>&lt; 30'-0&quot;</td>
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<tr>
<td>#5 Bars @ 12&quot; C. To C.</td>
<td>To 60'-0&quot;</td>
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<td></td>
<td>or 0.18 In /Ft. WWF*</td>
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<tr>
<td></td>
<td>or 0.15 In /Ft. WWF</td>
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</tbody>
</table>

- Provide welded wire fabric meeting the requirements of Publication 408 Specifications, Section 709.
- Provide manhole steps meeting the requirements of Publication 408 Specifications, Section 605.2(C).

**Alternate Configurations and dimensions, as approved by the engineer, may be used.**

- Precast storm sewer manhole base section for Type D-W
  - Provide steel reinforcement meeting the requirements of Publication 408, Section 709.
  - Provide welded wire fabric meeting the requirements of Publication 408, Section 709.3.
  - Dimensions, as approved by the engineer, may be used.