

PLAN NOTE:
 THE APPROVED IMPROVEMENT CONSTRUCTION PLAN, A COPY OF WHICH MAY BE INSPECTED AT THE OFFICE OF THE TOWNSHIP SECRETARY, HAS BEEN MADE A PART OF THE APPROVED FINAL PLAN.

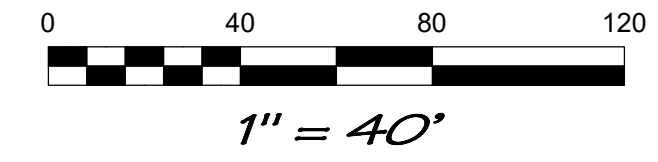
PLAN LEGEND

| EXISTING FEATURES | |
|-------------------|--------------------|
| SLANT LETTERING | EXISTING FEATURE |
| --- | RIGHT-OF-WAY |
| --- | PROPERTY LINE |
| -100- | EXISTING CONTOUR |
| --- | SOIL BOUNDARY LINE |
| TP3 ▲ | SOIL TEST |
| ○ | UTILITY POLE |
| | EXISTING WETLANDS |
| ○ | EXISTING MONUMENT |

| PROPOSED FEATURES | |
|--------------------|------------------|
| VERTICAL LETTERING | PROPOSED FEATURE |
| --- | PROPERTY LINE |
| --- | PROPOSED CONTOUR |
| S | SEWER LINE |
| W | WATER LINE |
| | SPILLWAY LINER |
| | SWALE LINER |

IMPERVIOUS TABULATIONS

| LOT # | DWELLING/BUILDINGS | DRIVEWAY | SIDEWALK | FUTURE IMPERVIOUS |
|-------|--------------------|------------|----------|-------------------|
| 1 | 3, 322 SF | 3, 101 SF | 530 SF | |
| 2 | 2, 388 SF | 3, 314 SF | 238 SF | 1, 500 SF |
| 3 | 2, 388 SF | 3, 730 SF | 238 SF | 1, 500 SF |
| 4 | 2, 388 SF | 15, 322 SF | 238 SF | 1, 500 SF |



IMPROVEMENT CONSTRUCTION PLAN FOR 330 GILBERTSVILLE ROAD

Situate In:
 Douglas Township
 Montgomery County, Pennsylvania



297 SUEDBERG ROAD, SUITE #7, PINE GROVE, PA 17963
 (570) 345-8288 FAX: (570) 345-8299

REVISIONS

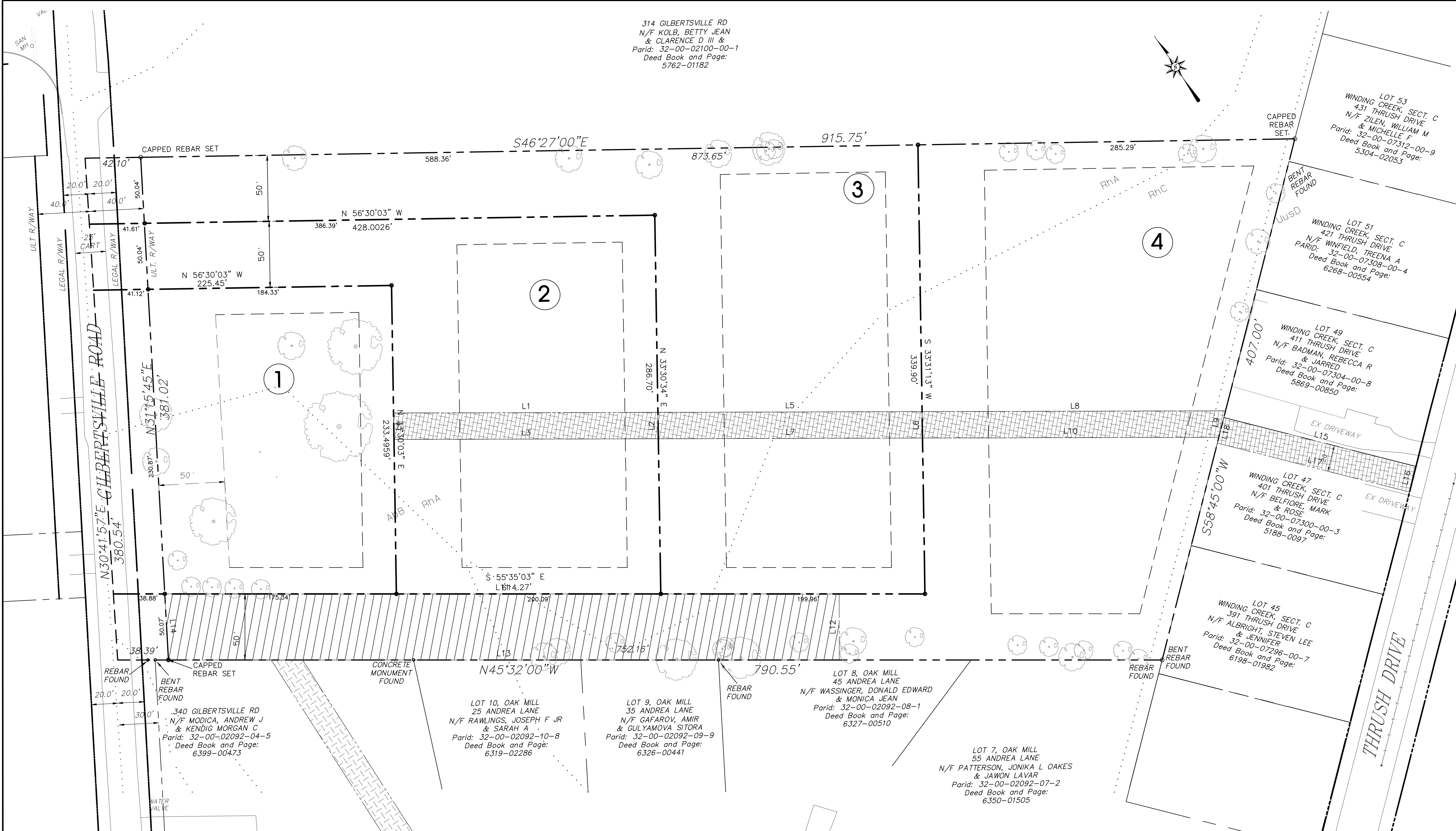
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| 04/06/2026 | |
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DRAWN 12/17/2025 CHECK AS NOTED SCALE PLAN NO. 25-061 SHEET 02 OF 08

314 GILBERTSVILLE RD
N/F KOLB, BETTY JEAN
& CLARENCE D III &
Parid: 32-00-02100-00-1
Deed Book and Page:
5762-01182

**OFFER OF DEDICATION OF THE ULTIMATE
RIGHT-OF-WAY AREA OF EXISTING STREETS:**

ALL THAT AREA BETWEEN THE EXISTING LEGAL
RIGHT-OF-WAY LINE AND THE ULTIMATE RIGHT-OF-WAY
LINE OF GILBERTSVILLE ROAD IS HEREBY OFFERED FOR
DEDICATION TO THE GOVERNMENTAL BODY HAVING
JURISDICTION.



EASEMENT LINE DATA

| LINE | BEARING | DISTANCE |
|------|---------------|----------|
| L1 | N 55°44'16" W | 200.10' |
| L2 | N 33°30'34" E | 20.00' |
| L3 | S 55°44'16" E | 200.10' |
| L4 | S 33°30'03" W | 20.00' |
| L5 | N 55°44'16" W | 199.98' |
| L6 | N 33°31'13" E | 20.00' |
| L7 | S 55°44'16" E | 199.98' |
| L8 | S 55°44'16" E | 229.70' |
| L9 | N 48°41'57" E | 20.65' |
| L10 | S 55°44'16" E | 224.29' |
| L11 | N 55°35'03" W | 510.46' |
| L12 | S 34°24'57" W | 50.00' |
| L13 | S 55°35'03" E | 507.70' |
| L14 | S 31°15'45" W | 50.07' |
| L15 | S 41°18'03" E | 150.00' |
| L16 | S 48°41'57" W | 20.00' |
| L17 | S 41°18'03" E | 150.00' |
| L18 | S 48°41'57" W | 20.00' |

LOT AREA CALCULATIONS

| LOT # | GROSS AREA | RIGHT-OF-WAY | FLAG PORTION | EASEMENTS | NET AREA |
|-------|------------|--------------|--------------|-----------|-----------|
| 1 | 50,941 SF | 9,211 SF | | | 41,730 SF |
| 2 | 68,377 SF | 2,068 SF | 9,265 SF | 4,002 SF | 53,042 SF |
| 3 | 89,110 SF | 2,093 SF | 19,368 SF | 3,999 SF | 63,650 SF |
| 4 | 121,520 SF | 1,932 SF | 3,246 SF | 29,994 SF | 86,348 SF |

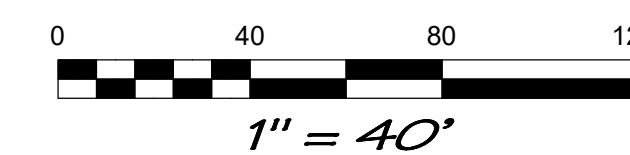
NOTE: FLAG PORTION FOR LOT 4
IS ONLY AREA OUTSIDE OF
ACCESS EASEMENT.

EASEMENT LEGEND

- PROPOSED ACCESS/UTILITY EASEMENT (50' WIDE)
- PROPOSED SEWER EASEMENT (20' WIDE)
- EXISTING STORMWATER EASEMENT (20' WIDE)

PLAN LEGEND

- EXISTING FEATURES**
- SLANT LETTERING
 - EXISTING FEATURE
 - RIGHT-OF-WAY
 - PROPERTY LINE
 - EXISTING MONUMENTATION
- PROPOSED FEATURES**
- VERTICAL LETTERING
 - PROPOSED FEATURE
 - PROPERTY LINE
 - EASEMENT LINE
 - CONCRETE MONUMENT
 - IRON PIN



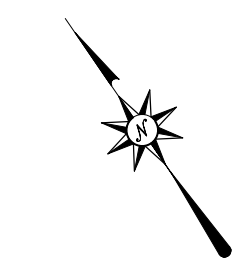
**SUBDIVISION PLAN
FOR
330 GILBERTSVILLE ROAD**
Situatd In:
Douglas Township
Montgomery County, Pennsylvania

| REVISIONS |
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| 04/06/2026 |
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297 SUEDBERG ROAD, SUITE #7, PINE GROVE, PA 17963
(570) 345-8288 FAX: (570) 345-8299

DRAWN 12/17/2025 CHECK AS NOTED SCALE 1" = 40' PLAN NO. 25-061 SHEET 03 OF 08



PLAN LEGEND

| EXISTING FEATURES | | EXISTING FEATURE |
|-------------------|-----|------------------------|
| SLANT LETTERING | --- | RIGHT-OF-WAY |
| --- | --- | PROPERTY LINE |
| 100 | --- | EXISTING CONTOUR |
| TP3 ▲ | --- | SOIL BOUNDARY LINE |
| --- | --- | SOIL TEST |
| --- | --- | SOIL BOUNDARY |
| ○ | --- | UTILITY POLE |
| ○ | --- | EXISTING MONUMENTATION |
| --- | --- | EXISTING WETLANDS |

ALL ADJOINING PARCELS ARE LOCATED IN THE R-2 ZONING DISTRICT

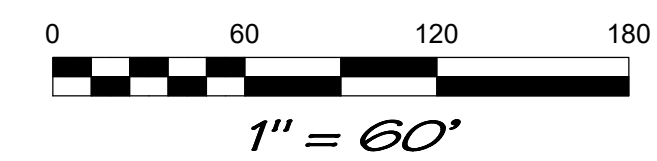
SOIL LEGEND
 Abb - ABBOTTSTOWN SILT LOAM, 3 TO 8% SLOPES
 R1A - REAVILLE SILT LOAM, 0 TO 3% SLOPES
 R1B - REAVILLE SILT LOAM, 3 TO 8% SLOPES
 R1C - REAVILLE SILT LOAM, 8 TO 15% SLOPES
 U1SD - URBAN LAND-UDORTMENTS, SHALE AND SANDSTONE COMPLEX, 5 TO 25% SLOPES



EXISTING RESOURCES & SITE ANALYSIS PLAN
 FOR
 330 GILBERTSVILLE ROAD
 Situate In:
 Douglas Township
 Montgomery County, Pennsylvania

SOIL LIMITATIONS AND RESOLUTIONS:

| | |
|-------------------------------------|---|
| GUTTER/LEAKS | LAYBACK SLOPES |
| CORROSION TO STEEL/CONCRETE | CORROSION RESISTANT CONCRETE |
| DRY/SHADY | N/A |
| EASILY ERODIBLE | MAINTAIN EROSION CONTROL BMPs |
| FLOODING | AVOID WORK IN FLOOD AREAS |
| DEPTH TO WATER TABLE/SATURATED ZONE | PUMPED WATER FILTER, FOOTER DRAINS |
| HYDROPHOBIC INCLUSIONS | AVOIDANCE |
| LOW STRENGTH/LANDSLIDE PRONE | LAYBACK SLOPES/ DESIGN FOR CONDITIONS |
| SLOW PERCOLATION | DRAINAGE DITCH, PUMPED WATER FILTER BAG |
| SLIPPING | TRENCH PLUGS |
| POOR SOURCE OF TOPSOIL | AVOID HEUSE AS TOPSOIL OR AMEND AS NECESSARY |
| FROST ACTION | CONSTRUCT BELOW FROST DEPTHS/ POSITIVE SUBGRADE |
| SHRINK/SWELL | AVOID USE OF CLAY SOILS IN BUILDING AREAS |
| POTENTIAL SINKHOLE | SINKHOLE MITIGATION TECHNIQUES |
| PONDING | PROVIDE POSITIVE DRAINAGE |
| WETNESS | UTILIZE GOOD WEATHER/ TEMPORARY DRAIN TILE |



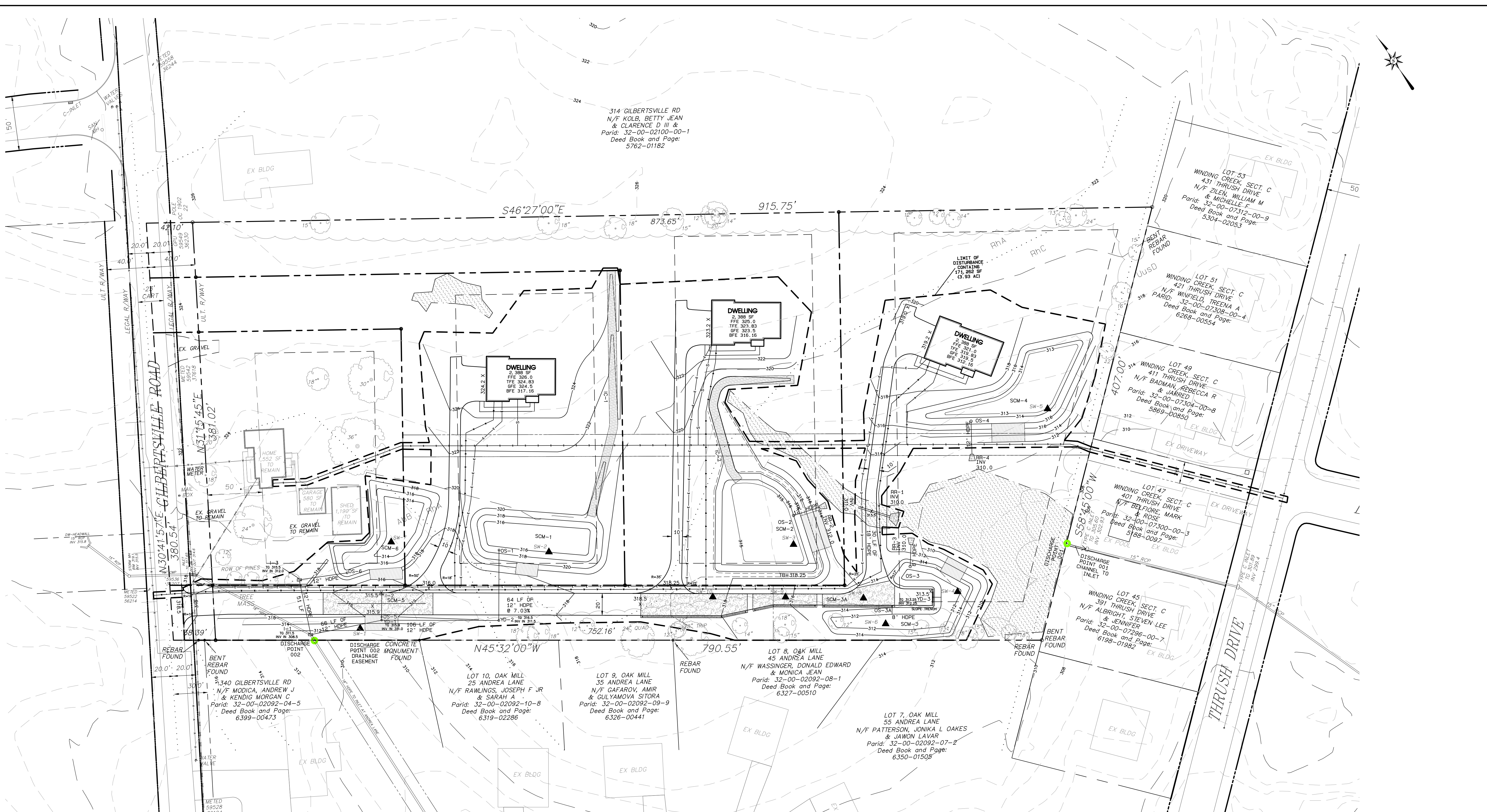
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| NO. | DESCRIPTION |
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DRAWN 12/17/2025 CHECK SCALE AS NOTED PLAN NO. 25-061 SHEET 04 OF 08



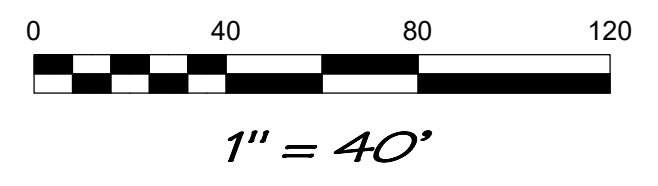
PLAN LEGEND

- EXISTING FEATURES**
- SLANT LETTERING EXISTING FEATURE
 - RIGHT-OF-WAY
 - PROPERTY LINE
 - - - - - EXISTING CONTOUR
 - SOIL BOUNDARY LINE
 - TP3 SOIL TEST
 - UTILITY POLE
 - ▨ EXISTING WETLANDS
 - EXISTING MONUMENT

- PROPOSED FEATURES**
- VERTICAL LETTERING PROPOSED FEATURE
 - PROPERTY LINE
 - - - - - PROPOSED CONTOUR
 - S- SEWER LINE
 - W- WATER LINE

STORMWATER SOIL PROBE DATA SUMMARY

| SW-1 | SW-2 | SW-3 | SW-4 | SW-5 | SW-6 | SW-7 | SW-8 | SW-9 | SW-10 |
|------------------------|------------------------|-------------------------|-------------------------|------------------------|-------------------------|------------------------|-------------------------|------------------------|------------------------|
| EX G = 312.0 | EX G = 319.0 | EX G = 315.0 | EX G = 310.0 | EX G = 312.0 | EX G = 314.0 | EX G = 316.0 | EX G = 313.75 | EX G = 316.0 | EX G = 317.5 |
| LIMIT = 305.33 (ROCK) | LIMIT = 312.92 (ROCK) | LIMIT = 312.0 | LIMIT = 307.67 (ROCK) | LIMIT = 309.0 (ROCK) | LIMIT = 310.0 (ROCK) | LIMIT = 309.92 (ROCK) | LIMIT = 309.75 (ROCK) | LIMIT = 311.5 (ROCK) | LIMIT = 313.0 (ROCK) |
| TEST = 310.0 | TEST = 315.5 | TEST = 312.0 | TEST = 311.0 | TEST = 311.0 | TEST = 312.0 | TEST = 314.0 | TEST = 312.0 | TEST = 313.75 | TEST = 315.0 |
| SCM-5 BOTTOM = 310.0 | SCM-5 BOTTOM = 316.0 | SCM-3 BOTTOM = 312.0 | SCM-3 BOTTOM = 312.0 | SCM-4 BOTTOM = 313.0 | SCM-3 BOTTOM = 312.0 | SCM-3 BOTTOM = 314.0 | SCM-3A BOTTOM = 312.25 | SCM-3A BOTTOM = 313.0 | SCM-3A BOTTOM = 313.75 |
| FIELD RATE = 2.0 IN/HR | FIELD RATE = 1.5 IN/HR | FIELD RATE = 0.75 IN/HR | FIELD RATE = 0.75 IN/HR | FIELD RATE = 1.0 IN/HR | FIELD RATE = 1.25 IN/HR | FIELD RATE = 1.5 IN/HR | FIELD RATE = 1.25 IN/HR | FIELD RATE = 1.0 IN/HR | FIELD RATE = 1.0 IN/HR |



GRADING / UTILITY PLAN FOR 330 GILBERTSVILLE ROAD

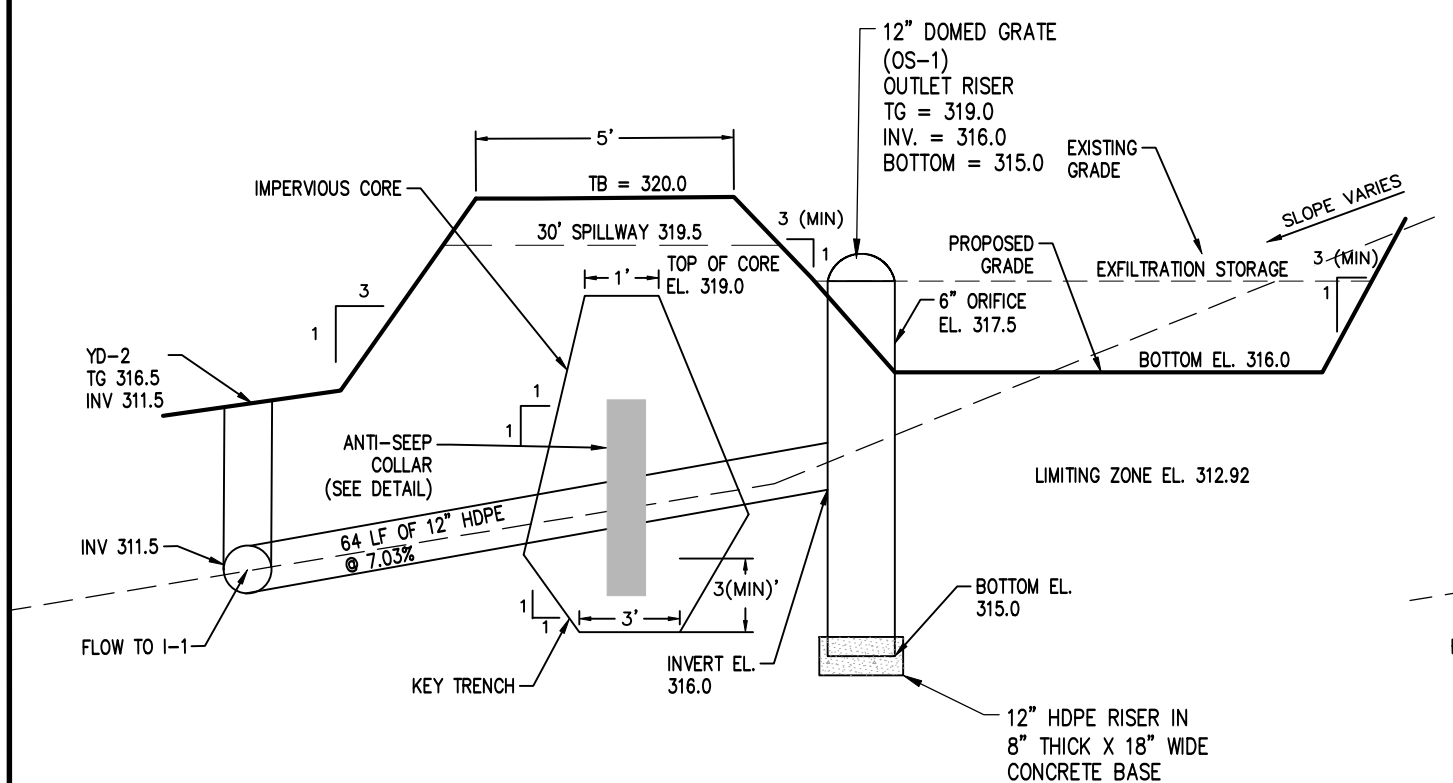
Situate In:
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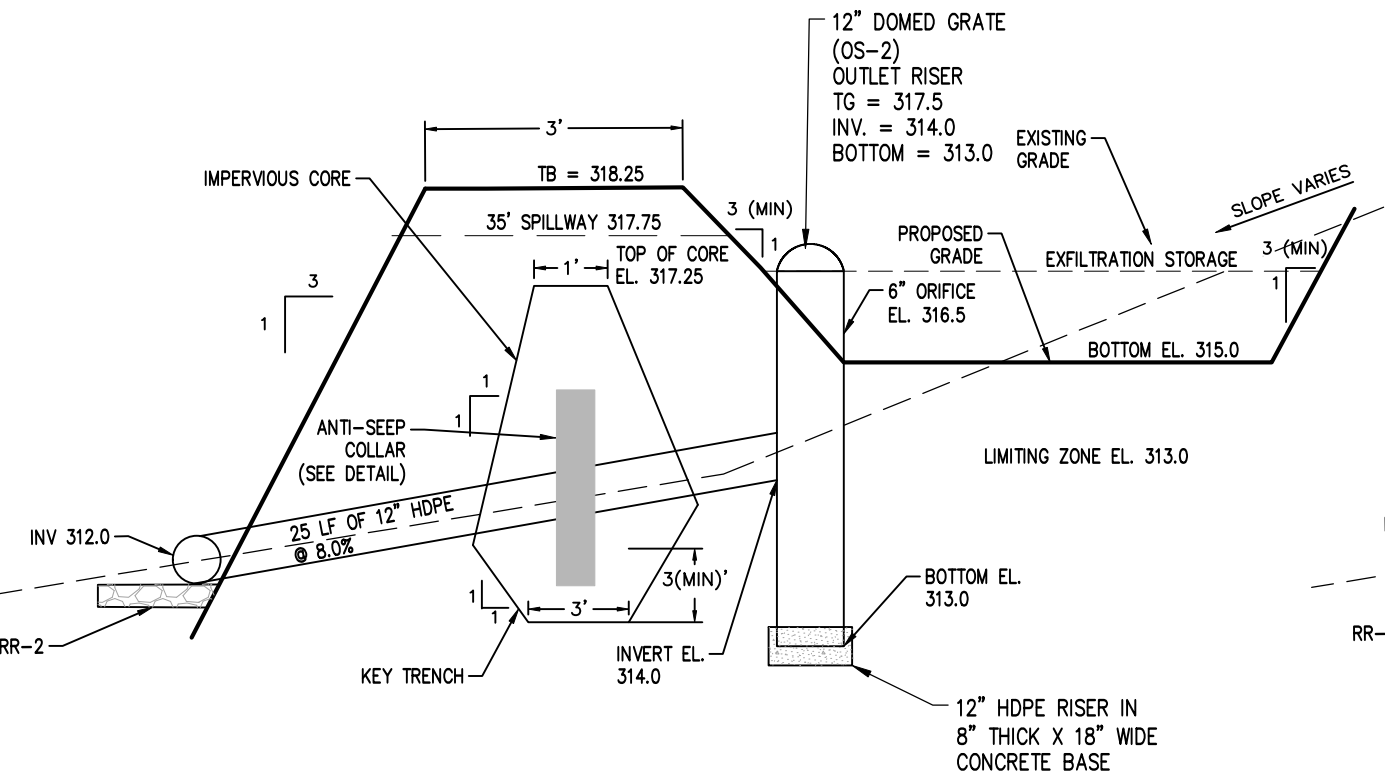
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| REVISIONS |
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| 04/06/2026 |
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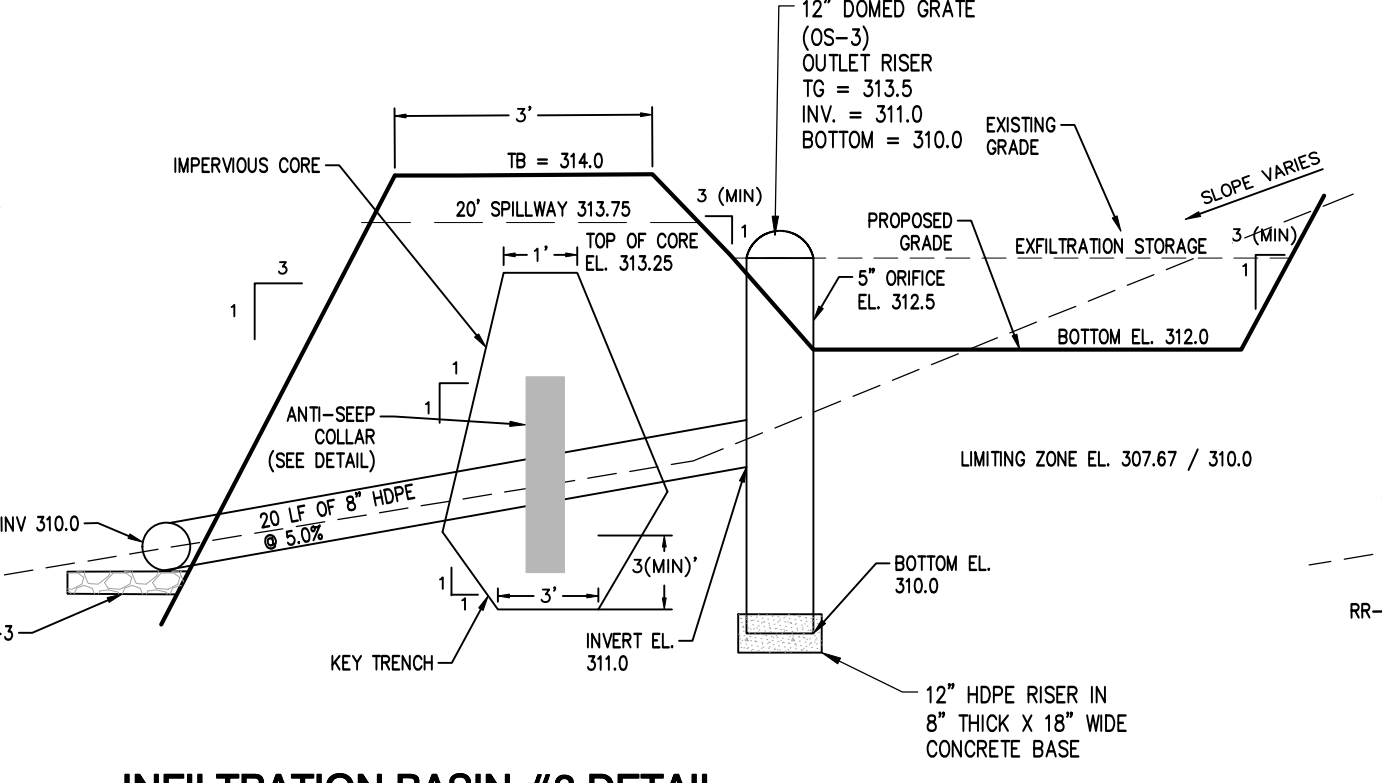
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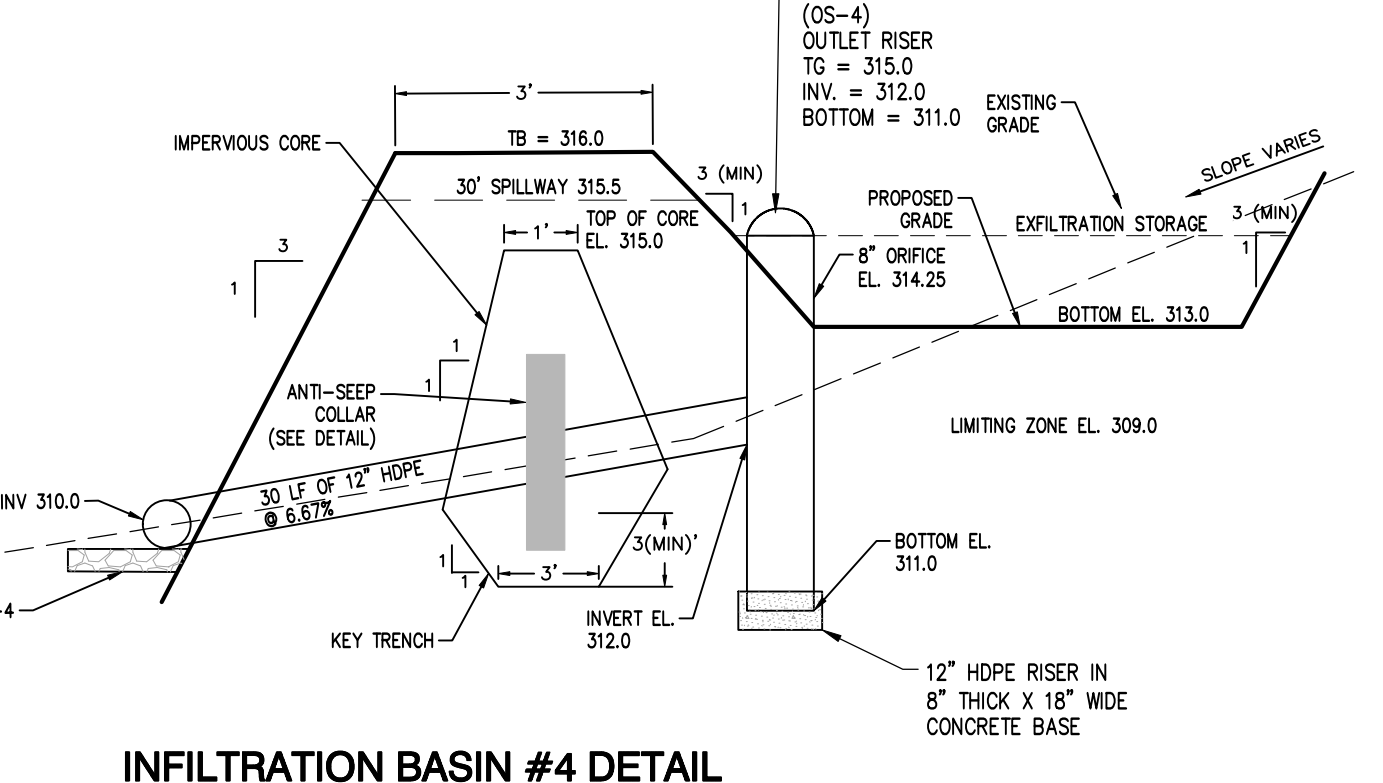
**INFILTRATION BASIN #1 DETAIL
(SCM-1)
NOT TO SCALE**



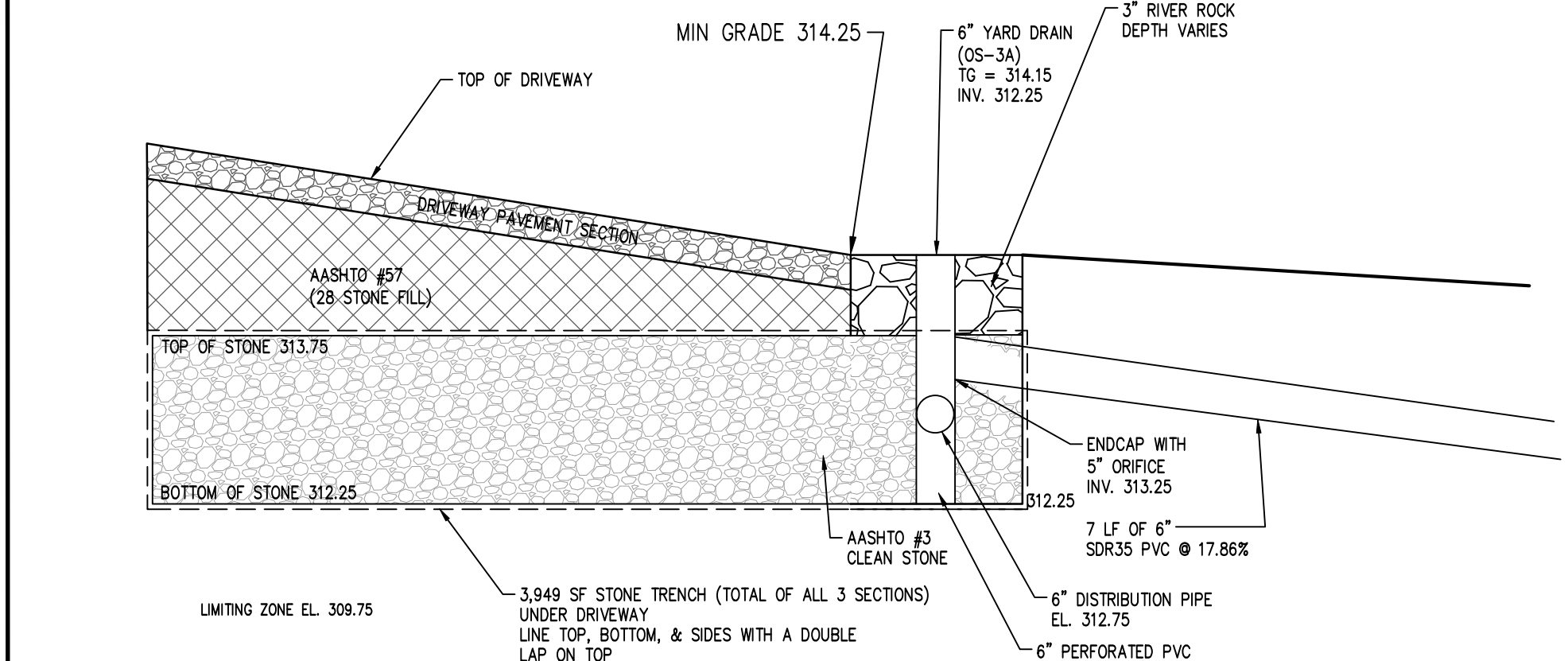
**INFILTRATION BASIN #2 DETAIL
(SCM-2)
NOT TO SCALE**



**INFILTRATION BASIN #3 DETAIL
(SCM-3)
NOT TO SCALE**



**INFILTRATION BASIN #4 DETAIL
(SCM-4)
NOT TO SCALE**

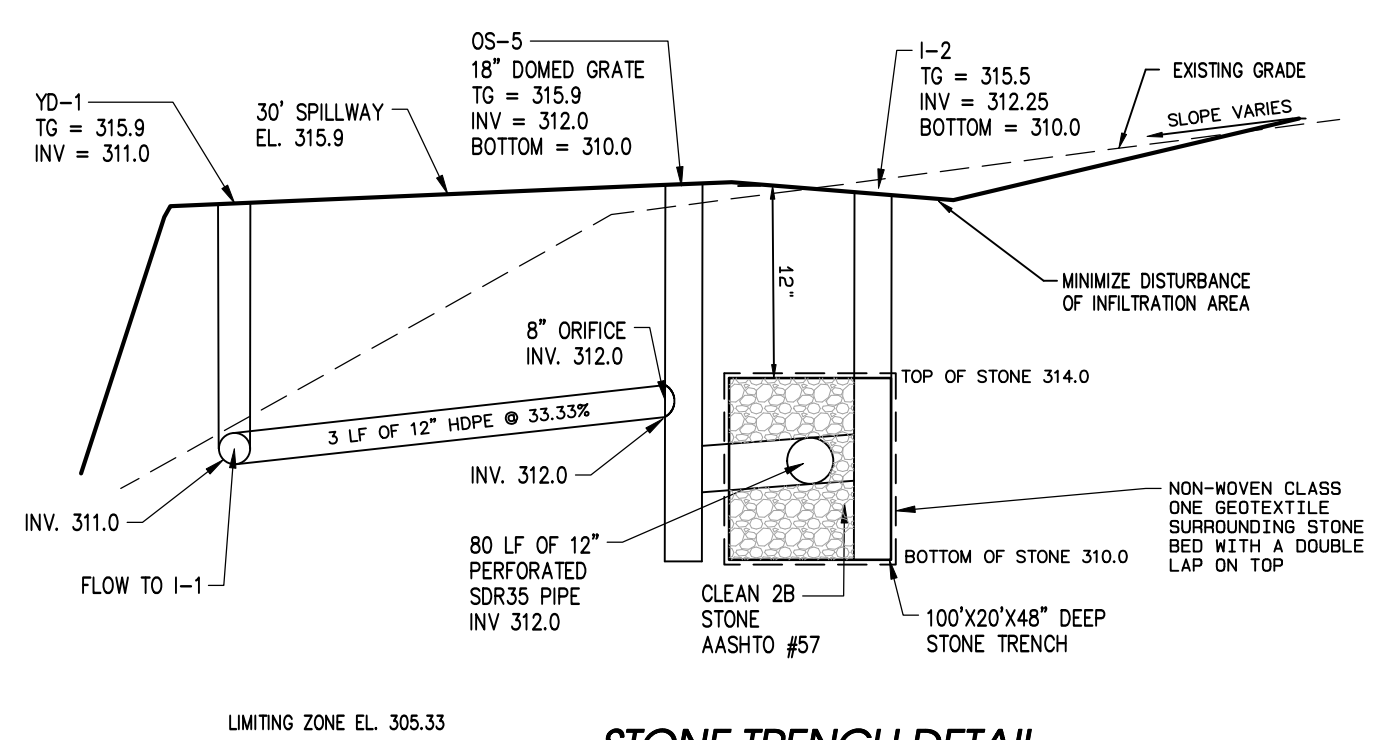


**SWMF-3A SECTION VIEW
NOT TO SCALE**

INFILTRATION BED MAINTENANCE & INSPECTION SCHEDULE

1. MAINTAIN AREAS ADJACENT AND UPSLOPE OF PAVEMENT IN A STABILIZED VEGETATED CONDITION.
2. INSPECT SEEPAGE BED AT LEAST 4 TIMES PER YEAR AND AFTER EACH STORM EVENT EXCEEDING 1 INCH.
3. DISPOSE OF SEDIMENT, TRASH, LEAVES, AND OTHER WASTE MATERIAL AT SUITABLE DISPOSAL/RECYCLING SITES IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL LAW.
4. EVALUATE DRAIN TIMES AT LEAST TWICE PER YEAR. IF DRAIN TIMES EXCEED 72 HOURS, CONTACT A QUALIFIED DESIGN PROFESSIONAL TO DETERMINE THE CAUSE(S) OF FAILURE AND A CORRECTIVE COURSE OF ACTION.

- STONE BED NOTES**
1. EXCAVATION FOR THE INFILTRATION FACILITY SHALL BE PERFORMED WITH EQUIPMENT THAT WILL NOT COMPACT THE BOTTOM OF THE FACILITY.
 2. THE TRENCH/BOTTOM SHALL BE SCARIFIED PRIOR TO PLACEMENT OF AGGREGATE, SHALL BE LEVEL, AND SIZED AS NOTED.
 3. ONLY CLEAN AGGREGATE WITH DOCUMENTED POROSITY, FREE OF FINES, SHALL BE ALLOWED.
 4. THE TOP, SIDES, & BOTTOM OF THE STONE BED SECTION SHALL BE LINED WITH NON-WOVEN CLASS 1 GEOTEXTILE ACCEPTABLE TO THE TOWNSHIP ENGINEER. THE GEOTEXTILE OVERLAP SHOULD BE AT ALL SEAMS.
 5. STORMWATER SHALL BE DISTRIBUTED THROUGHOUT THE ENTIRE SEEPAGE BED/TRENCH AND PROVISIONS FOR THE COLLECTION OF DEBRIS SHALL PROVIDED IN ALL FACILITIES.
 6. PIPES SHALL BE SOLID OUTSIDE THE STONE TRENCH AREA.



**STONE TRENCH DETAIL
(SCM-5)
NOT TO SCALE**

INFILTRATION TRENCH INSTALLATION SEQUENCE

1. PROTECT INFILTRATION TRENCH AREA FROM COMPACTION PRIOR TO INSTALLATION.
2. IF POSSIBLE, INSTALL INFILTRATION TRENCH DURING LATER PHASES OF SITE CONSTRUCTION TO PREVENT SEDIMENTATION AND/OR DAMAGE FROM CONSTRUCTION ACTIVITY. AFTER INSTALLATION, PREVENT SEDIMENT LOADED WATER FROM ENTERING INLETS AND PIPES.
3. INSTALL AND MAINTAIN PROPER EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION.
4. EXCAVATE INFILTRATION TRENCH BOTTOM TO A UNIFORM, LEVEL UNCOMPACTED SUBGRADE FREE FROM ROCKS AND DEBRIS. DO NOT COMPACT SUBGRADE.
5. PLACE NONWOVEN GEOTEXTILE ALONG BOTTOM AND SIDES OF TRENCH. NONWOVEN GEOTEXTILE ROLLS SHOULD OVERLAP BY A MINIMUM OF 16 INCHES WITHIN THE TRENCH. FOLD BACK AND SECURE EXCESS GEOTEXTILE DURING STONE PLACEMENT.
6. INSTALL UPSTREAM AND DOWNSTREAM CONTROL STRUCTURES, CLEANOUTS, ETC.
7. PLACE UNIFORMLY GRADED, CLEAN/WASHED AGGREGATE IN 8-INCH LIFTS, LIGHTLY COMPACTING BETWEEN LIFTS.
8. INSTALL CONTINUOUSLY PERFORATED PIPE AS INDICATED ON PLANS. BACKFILL WITH UNIFORMLY GRADED, CLEAN-WASHED AGGREGATE IN 8-INCH LIFTS, LIGHTLY COMPACTING BETWEEN LIFTS.
9. FOLD AND SECURE NONWOVEN GEOTEXTILE OVER INFILTRATION TRENCH, WITH MINIMUM OVERLAP OF 16-INCHES.
10. PLACE 24-INCH LIFT OF APPROVED TOPSOIL OVER INFILTRATION TRENCH, AS INDICATED ON PLANS.
11. SEED AND STABILIZE TOPSOIL.
12. DO NOT REMOVE INLET PROTECTION OR OTHER EROSION AND SEDIMENT CONTROL MEASURES UNTIL SITE IS FULLY STABILIZED.
13. ANY SEDIMENT THAT ENTERS INLETS DURING CONSTRUCTION IS TO BE REMOVED WITHIN 24 HOURS.

INFILTRATION TRENCH MAINTENANCE SCHEDULE

- ACTIVITIES TO BE DONE ANNUALLY AND AFTER EACH STORM EXCEEDING 1-INCH IN RAINFALL DEPTH:
- CATCH BASINS AND INLETS SHOULD BE INSPECTED AND CLEANED AT LEAST 2 TIMES PER YEAR.
 - THE VEGETATION ALONG THE SURFACE OF THE TRENCH SHOULD BE MAINTAINED IN GOOD CONDITION, AND ANY BARE SPOTS REVEGETATED AS SOON AS POSSIBLE.
 - VEHICLES SHOULD NOT BE PARKED OR DRIVEN ON A VEGETATE INFILTRATION TRENCH, AND CARE SHOULD BE TAKEN TO AVOID EXCESSIVE COMPACTION BY MOWERS.

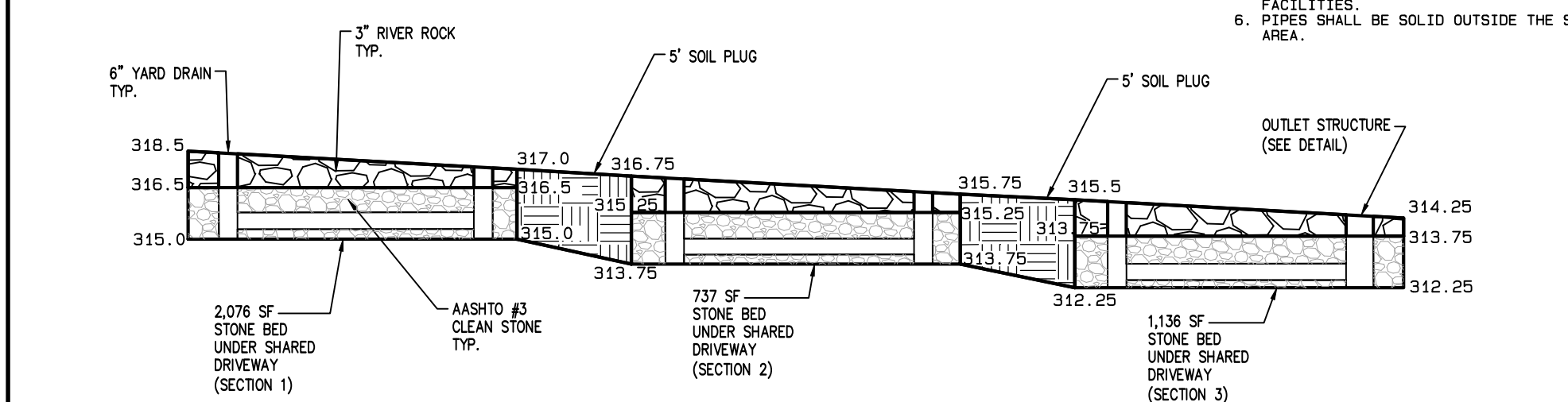
INFILTRATION BASIN INSTALLATION SEQUENCE

1. CONTACT THE LICENSED PROFESSIONAL OR DESIGNATED REPRESENTATIVE TO SCHEDULE INSPECTIONS PRIOR TO COMMENCEMENT OF ANY WORK.
2. THE INFILTRATION BASIN SHOULD BE CONVERTED FROM THE TEMPORARY SEDIMENT BASIN ONLY AFTER ALL UPSLOPE AREAS ARE COMPLETELY AND PERMANENTLY STABILIZED.
3. REMOVE EXCESS SEDIMENT FROM BOTTOM OF SEDIMENT BASIN AND RECONTOUR THE BOTTOM OF THE INFILTRATION BASIN TO MATCH FINAL BASIN BOTTOM GRADES. SCARIFY AND/OR MECHANICAL RIP A MINIMUM DEPTH OF 6" BELOW 656 ELEVATION PRIOR TO PLACEMENT OF AMENDED SOILS. NOTE THAT THE DESIGN / PROFESSIONAL ENGINEER SHALL INSPECT THE BASIN BOTTOM TO APPROVE PRIOR TO THE PLACEMENT OF AMENDED SOILS, TO THE GREATEST EXTENT POSSIBLE. EXCAVATION SHOULD BE PERFORMED WITH THE LIGHTEST PRACTICAL EQUIPMENT. THE PLANTING SOIL MIX SHALL BE PLACED IN ACCORDANCE TO THE INFILTRATION BASIN DETAILS.
4. FINAL SEEDING MIX AND MULCH SHALL BE APPLIED IN ACCORDANCE WITH DETAILS AND SPECIFICATIONS.

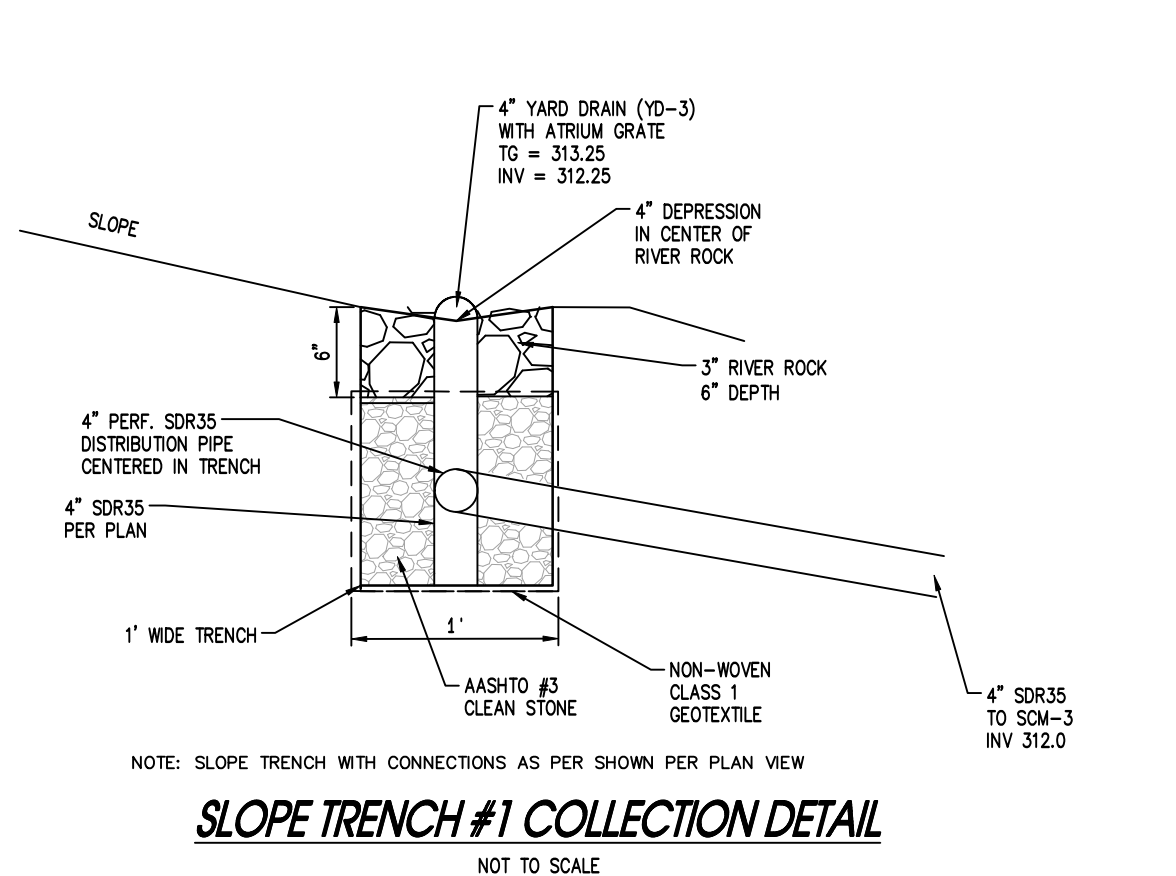
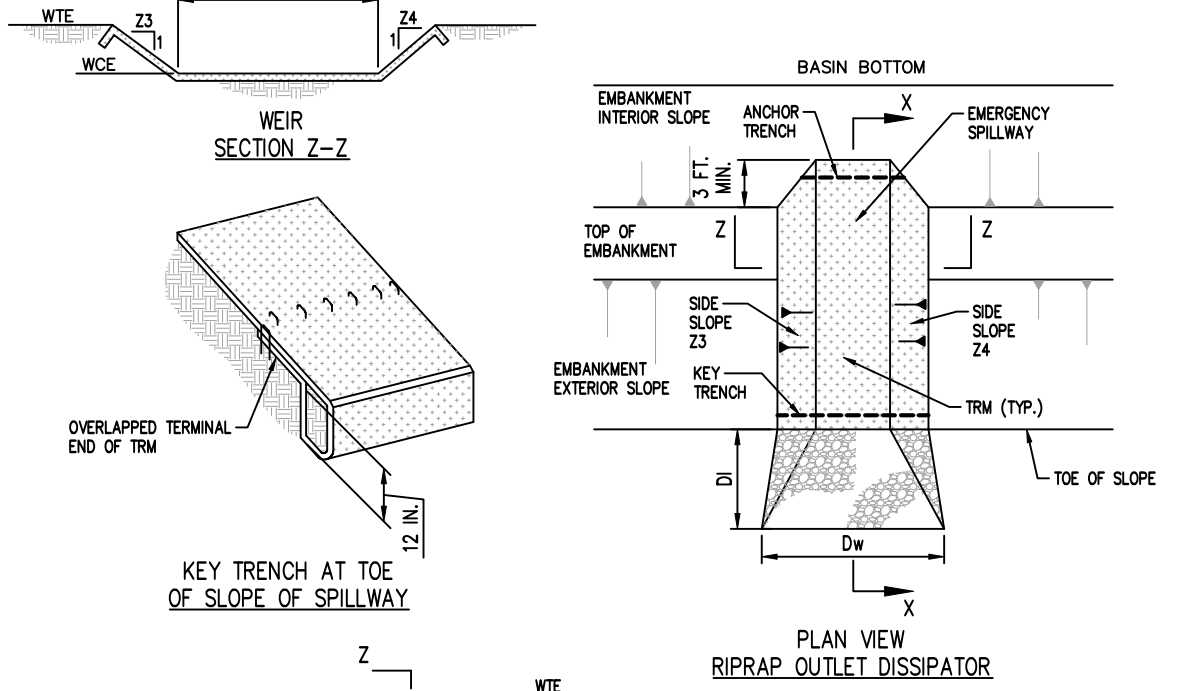
INFILTRATION BASIN MAINTENANCE SCHEDULE

- ACTIVITIES TO BE DONE ANNUALLY AND AFTER EACH STORM EXCEEDING 1-INCH IN RAINFALL DEPTH:
1. INSPECT AND CORRECT EROSION PROBLEMS, DAMAGE TO VEGETATION, SEDIMENT AND DEBRIS ACCUMULATION, AND PONDING WATER. RESTORE DESIGN GRADES AS NECESSARY.
 2. INSPECT INLETS AND CATCH BASINS AT LEAST 2 TIMES PER YEAR FOR SEDIMENT BUILDUP. REMOVE SEDIMENTS AS NECESSARY.
 3. VEGETATION SHOULD BE MAINTAINED IN GOOD CONDITION. REVEGETATE ANY BARE SPOTS AS SOON AS PRACTICAL.
 4. VEHICLES SHOULD NOT BE PARKED OR DRIVEN ON THE FACILITY. AVOID EXCESSIVE COMPACTION BY MOWERS.
 5. MONITOR FACILITY FOR DRAWDOWN. IF DRAWDOWN EXCEEDS 72 HOURS, CONTACT QUALIFIED DESIGN PROFESSIONAL TO DETERMINE SOURCE OF FAILURE AND REMEDIAL ACTION.
 6. NOTE THAT THE 4" ENDCAPS ON THE BACKUP UNDERDRAIN ARE FOR MAINTENANCE PURPOSES ONLY AND SHALL REMAIN SEALED AND WATER-TIGHT.

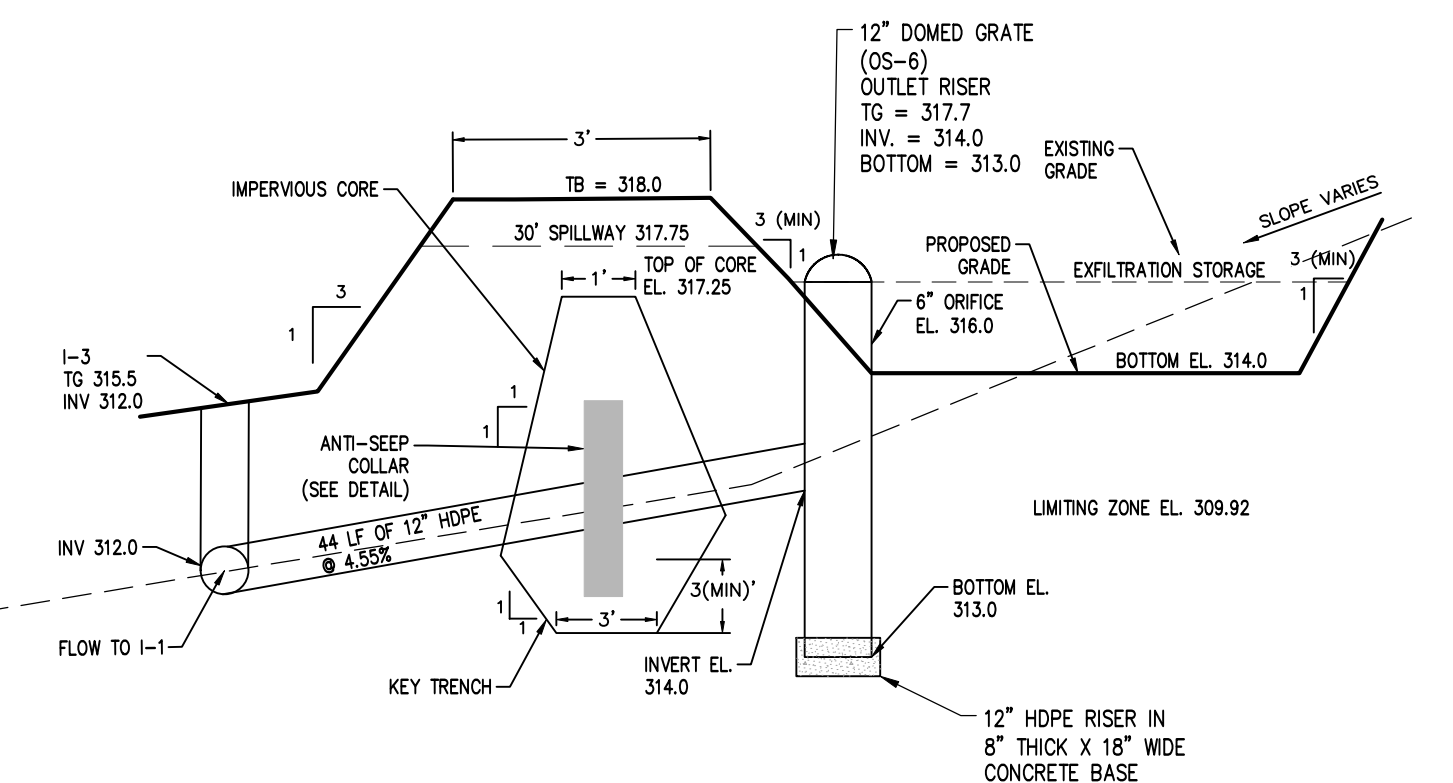
- NOTES:**
1. COMPACTED EARTH SUBSOIL - ONLY COHESIVE SOILS COMPACTED TO 95% COMPACTION ACCORDING TO PROCTOR TEST. PLACE SOIL IN CONTINUOUS 8" LAYERS. COMPACTION OVER ENTIRE LENGTH OF EMBANKMENT.
 2. CORE MATERIAL WITHIN THE KEY TRENCH SHALL BE IMPERVIOUS MATERIAL OF THE UNIFIED SOIL CLASSIFICATION CL OR ML EXTENDING THE FULL LENGTH OF THE EMBANKMENT.
 3. INSTALL BACKUP UNDERDRAIN FOR USE IN CONJUNCTION WITH REMEDIAL ACTION. BACKUP UNDERDRAIN MAY NOT BE OPENED TO REMEDY STANDING WATER PROBLEMS WITHOUT THE APPROVAL OF THE TOWNSHIP ENGINEER AND/OR THE COUNTY CONSERVATION DISTRICT AS APPLICABLE.
 4. DURING CONSTRUCTION, CARE SHALL BE TAKEN TO AVOID ALL UNNECESSARY COMPACTION OF THE BASIN BOTTOM. THE CONTRACTOR SHALL UTILIZE METHODS AND PRACTICES THAT PRESERVE THE UNDERLYING SOIL INFILTRATION CHARACTERISTICS, SUCH AS EXCAVATION FROM OUTSIDE THE BASIN AREA AND UTILIZATION OF TRACKED MACHINERY THAT PRODUCES LOWER GROUND PRESSURE. THE CONTRACTOR SHALL SUBSOIL AND RESTORE THE INFILTRATION CHARACTERISTICS OF AREAS WITHIN THE BASIN THAT HAVE BECOME OVER-COMPACTED.
 5. NOTE THAT THE 4" ENDCAPS ON THE BACKUP UNDERDRAIN ARE FOR MAINTENANCE PURPOSES ONLY AND SHALL REMAIN SEALED AND WATER-TIGHT.



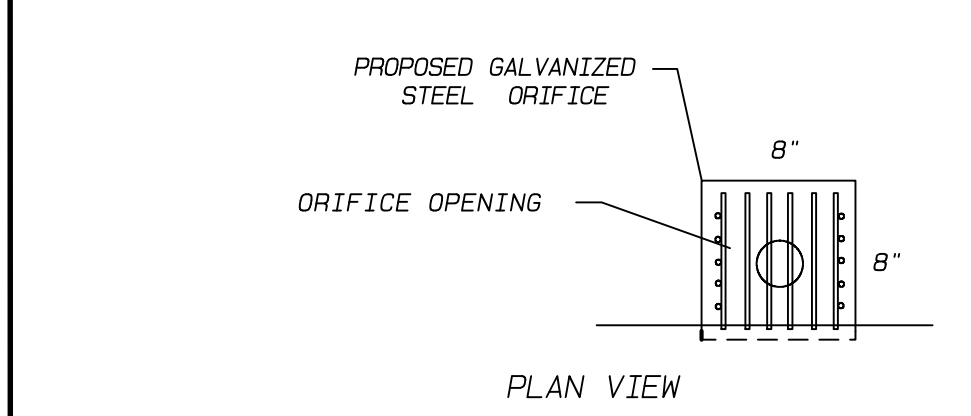
**SWMF-3A (DRIVEWAY STONE TRENCH)
SECTION VIEW
NOT TO SCALE**



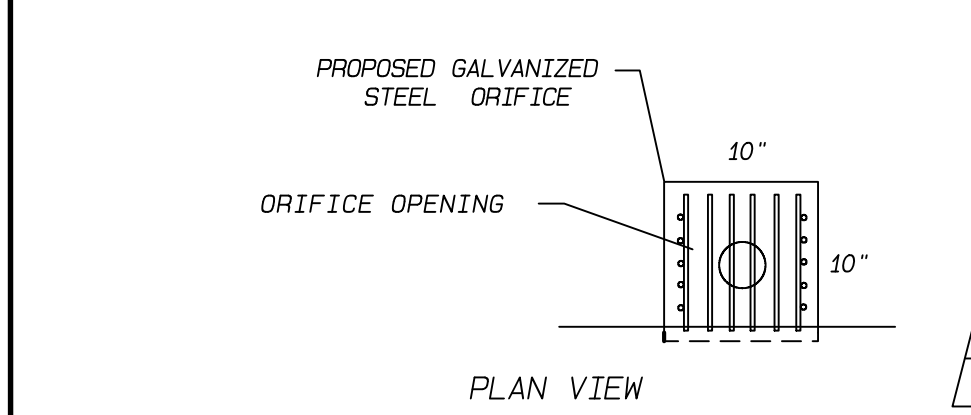
**SLOPE TRENCH #1 COLLECTION DETAIL
NOT TO SCALE**



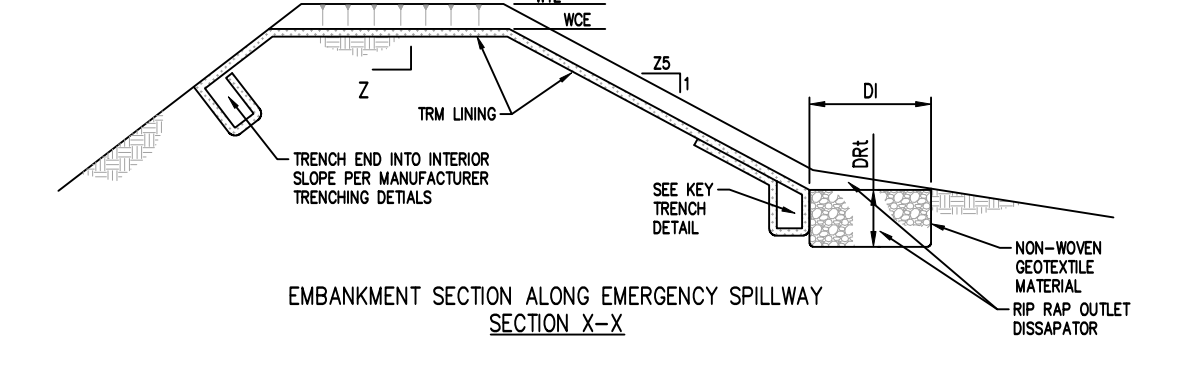
**INFILTRATION BASIN #6 DETAIL
(SCM-6)
NOT TO SCALE**



**TRASH RACK DETAIL
(SCM 1,2,3,6)
NOT TO SCALE**



**TRASH RACK DETAIL
(SCM 4)
NOT TO SCALE**



**EMPAK STANDARD CONSTRUCTION DETAIL #7-16
CONCRETE ANTI-SEEP COLLAR
NOT TO SCALE**

| BASIN NO. | WEIR | | CREST ELEV (FT) | WIDTH (FT) | LINING | CHANNEL | DISSIPATOR | | | RRAP THICK (IN) | RRAP DR (IN) | | |
|-----------|---------|---------|-----------------|------------|--------|----------|------------|------------|-------------|-----------------|--------------|------------|-----|
| | Z3 (FT) | Z4 (FT) | | | | | Z5 (FT) | DEPTH (FT) | LENGTH (FT) | | | WIDTH (FT) | |
| SCM-1 | 3 | 3 | 320.0 | 319.5 | 30 | NAG P300 | D | 3 | 0.5 | N/A | N/A | N/A | N/A |
| SCM-2 | 3 | 3 | 318.25 | 317.75 | 35 | NAG P300 | D | 3 | 0.5 | N/A | N/A | N/A | N/A |
| SCM-3 | 3 | 3 | 314.0 | 313.75 | 20 | NAG P300 | D | 3 | 0.25 | N/A | N/A | N/A | N/A |
| SCM-4 | 3 | 3 | 316.0 | 315.5 | 30 | NAG P300 | D | 3 | 0.5 | N/A | N/A | N/A | N/A |
| SCM-5 | 3 | 3 | 315.9 | 315.9 | 30 | NAG P300 | D | 3 | 0.5 | N/A | N/A | N/A | N/A |
| SCM-6 | 3 | 3 | 318.0 | 317.75 | 30 | NAG P300 | D | 3 | 0.25 | N/A | N/A | N/A | N/A |

NOTES:

- HEAVY EQUIPMENT SHALL NOT CROSS OVER SPILLWAY WITHOUT PRECAUTIONS TAKEN TO PROTECT TRM LINING.
- DISPLACE LINER UNDER THE SPILLWAY AND/OR OUTLET CHANNEL. SHALL BE REPLACED IMMEDIATELY.
- UTILIZE SPECIFIED STABILIZED CHANNEL LINER AT TOE OF EMBANKMENT IN LIEU OF RIP-RAP DISSIPATOR.
- THE USE OF BATTERS THAT REQUIRE SUPPORT POSTS ARE RESTRICTED FROM USE IN BASINS REQUIRING IMPERVIOUS LINERS.

| BASIN OR TRAP NO. | PIPE SIZE (IN) | S (IN) | NO. OF COLLARS | RISER TO FIRST COLLAR (FT) | COLLAR SPACING (FT) |
|-------------------|----------------|--------|----------------|----------------------------|---------------------|
| SCM-1 | 12 | 42 | 1 | 5 | N/A |
| SCM-2 | 12 | 42 | 1 | 5 | N/A |
| SCM-3 | 8 | 36 | 1 | 5 | N/A |
| SCM-4 | 12 | 42 | 1 | 5 | N/A |
| SCM-5 | 12 | 42 | 1 | 5 | N/A |
| SCM-6 | 12 | 42 | 1 | 5 | N/A |

NOTES:

- ALL COLLARS SHALL BE INSTALLED SO AS TO BE WATER-TIGHT.
- COLLAR SIZE AND SPACING SHALL BE AS INDICATED WITHIN TABLE.

**DETAILS FOR
330 GILBERTSVILLE ROAD
Situate In:
Douglas Township
Montgomery County, Pennsylvania**

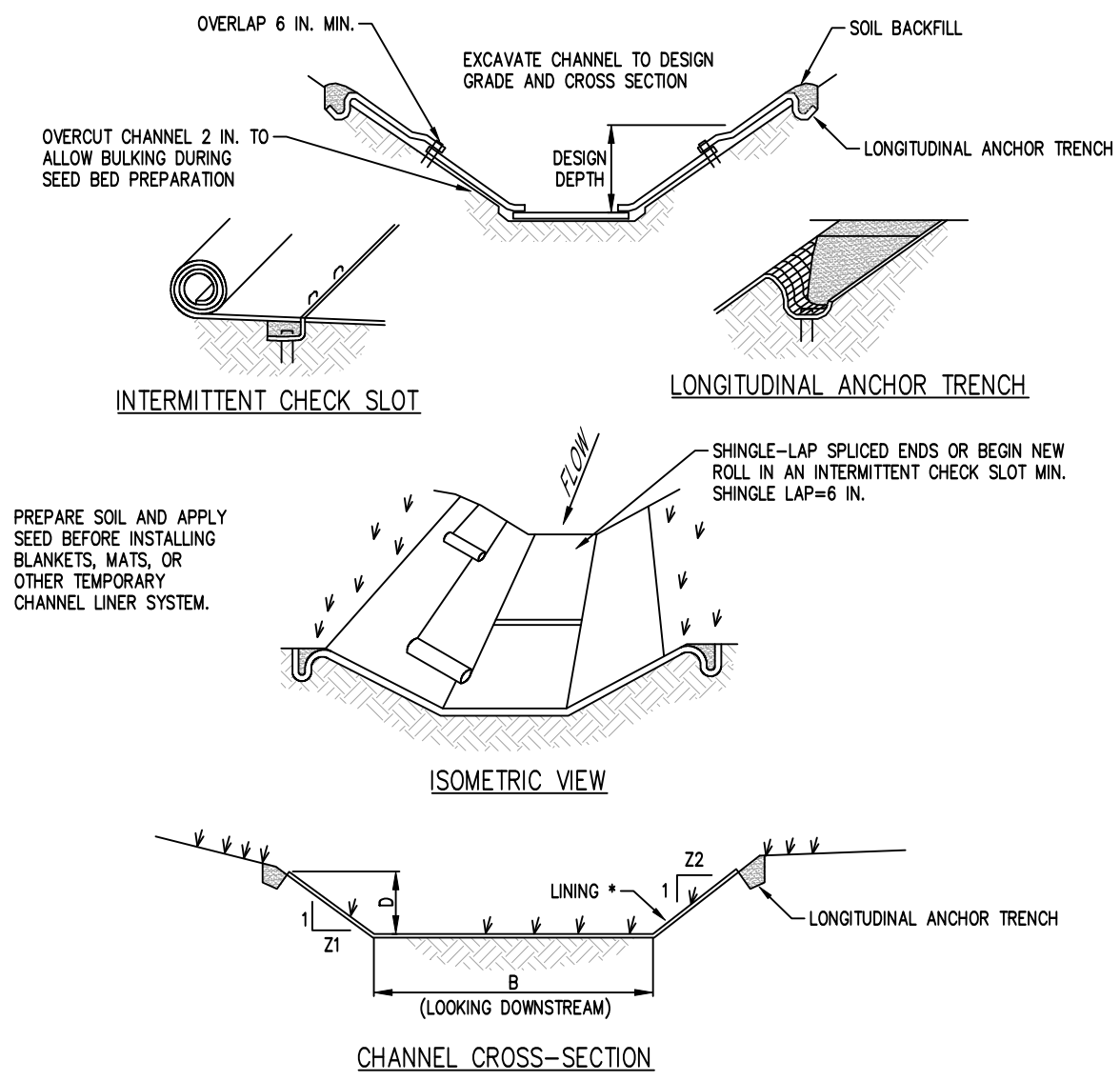
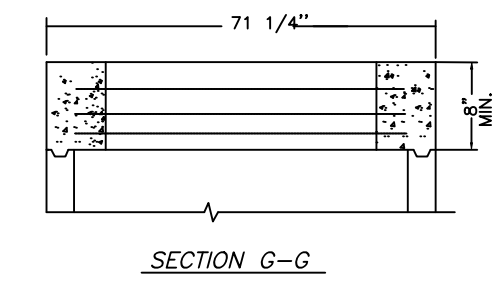
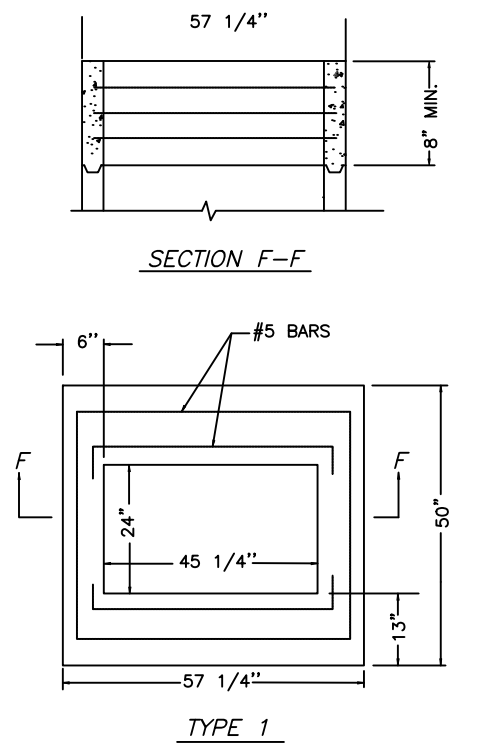
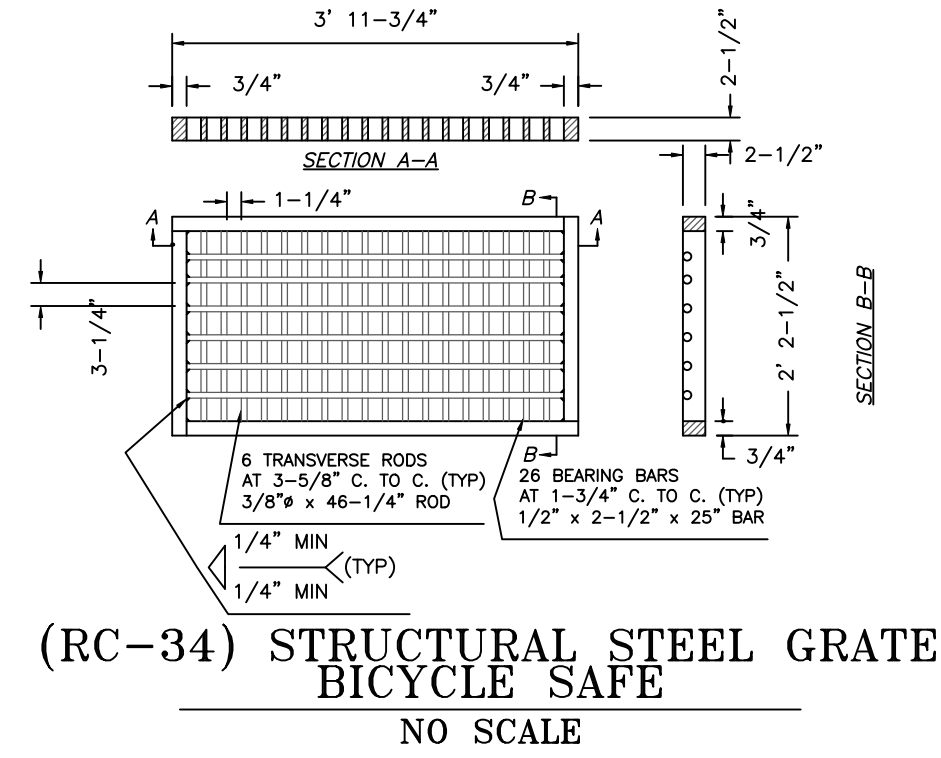
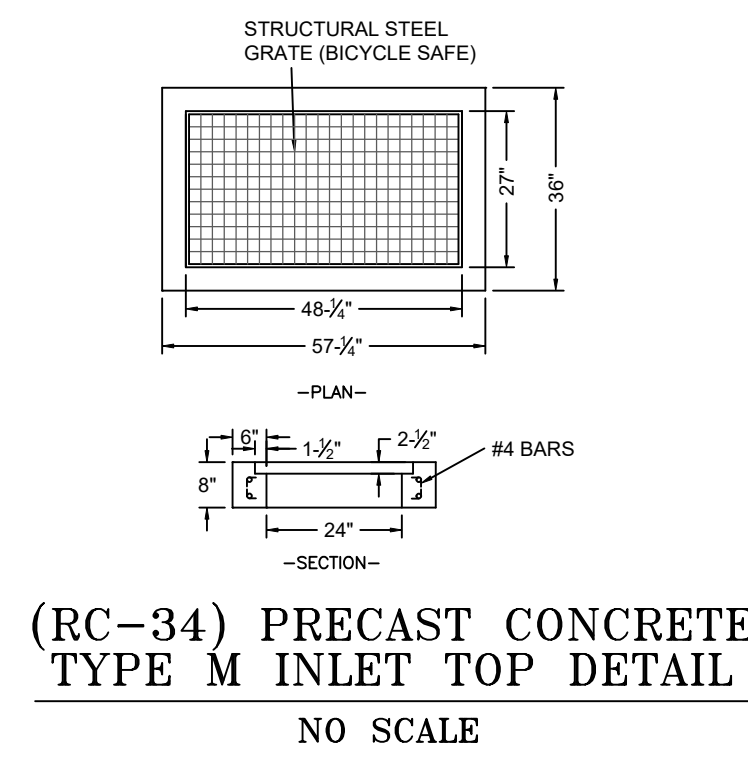


297 SUEBBER ROAD, SUITE #7, PINE GROVE, PA 17963
(570) 345-8288 FAX: (570) 345-8299

REVISIONS

| NO. | DATE | DESCRIPTION |
|------------|------|-------------|
| 04/06/2026 | | |

DRAWN 12/17/2025 **CHECK** **SCALE** AS NOTED **PLAN NO.** 25-061 **SHEET** 07 OF 08



| CHANNEL NO. | STATIONS | BOTTOM WIDTH B (FT) | DEPTH D (FT) | TOP WIDTH W (FT) | Z1 (FT) | Z2 (FT) | LINING * |
|-------------|----------|---------------------|--------------|------------------|---------|---------|----------|
| IC-1 | SEE PLAN | 2 | 1.1 | 8.5 | 3 | 3 | S75 |
| IC-2 | SEE PLAN | 2 | 1.25 | 9.5 | 3 | 3 | S75 |

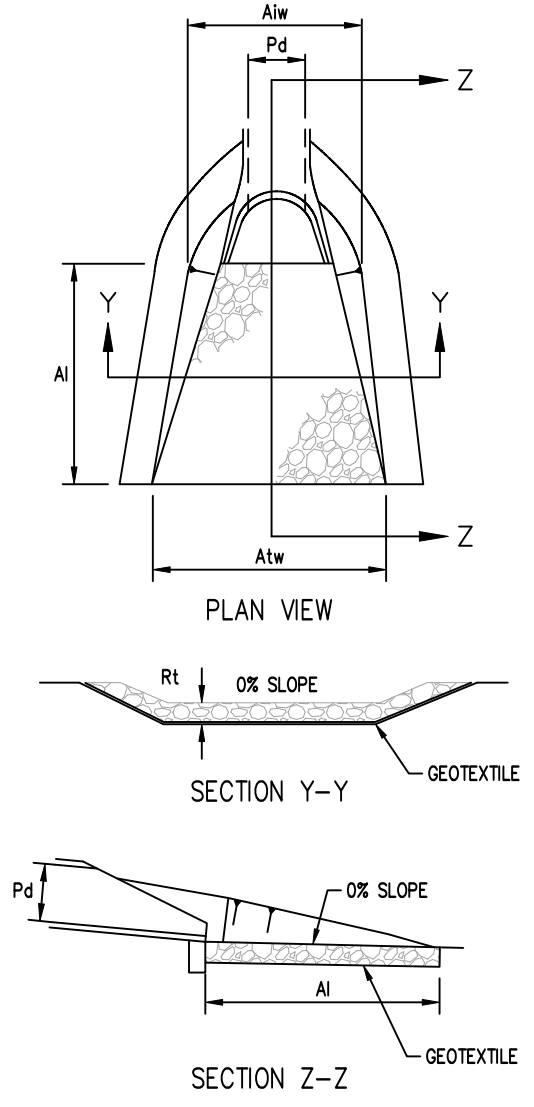
NOTES:

ANCHOR TRENCHES SHALL BE INSTALLED AT BEGINNING AND END OF CHANNEL IN THE SAME MANNER AS LONGITUDINAL ANCHOR TRENCHES.

CHANNEL DIMENSIONS SHALL BE CONSTANTLY MAINTAINED. CHANNEL SHALL BE CLEANED WHENEVER TOTAL CHANNEL DEPTH IS REDUCED BY 25% AT ANY LOCATION. SEDIMENT DEPOSITS SHALL BE REMOVED WITHIN 24 HOURS OF DISCOVERY OR AS SOON AS SOIL CONDITIONS PERMIT ACCESS TO CHANNEL WITHOUT FURTHER DAMAGE. DAMAGED LINING SHALL BE REPAIRED OR REPLACED WITHIN 48 HOURS OF DISCOVERY.

NO MORE THAN ONE THIRD OF THE SHOOT (GRASS LEAF) SHALL BE REMOVED IN ANY MOWING. GRASS HEIGHT SHALL BE MAINTAINED BETWEEN 2 AND 3 INCHES UNLESS OTHERWISE SPECIFIED. EXCESS VEGETATION SHALL BE REMOVED FROM PERMANENT CHANNELS TO ENSURE SUFFICIENT CHANNEL CAPACITY.

PADEP STANDARD CONSTRUCTION DETAIL #6-1
Vegetated Channel
NOT TO SCALE



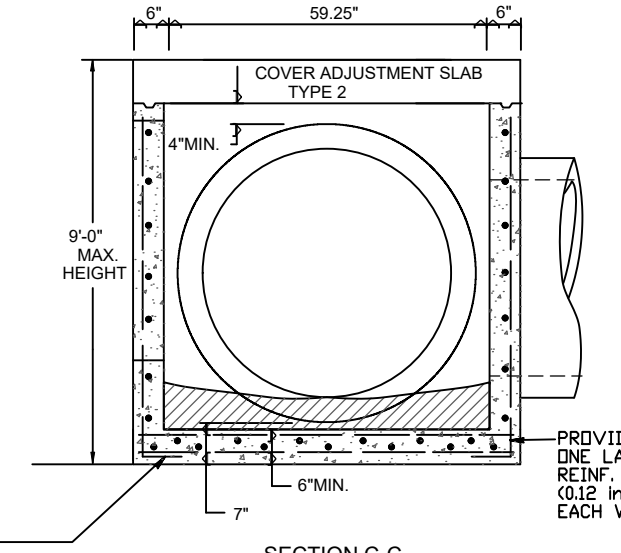
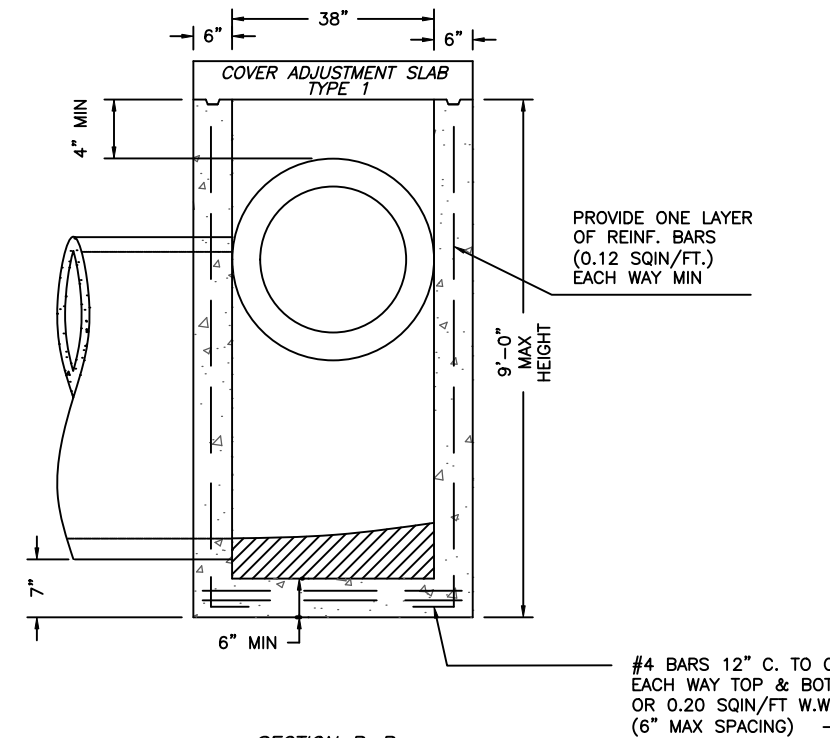
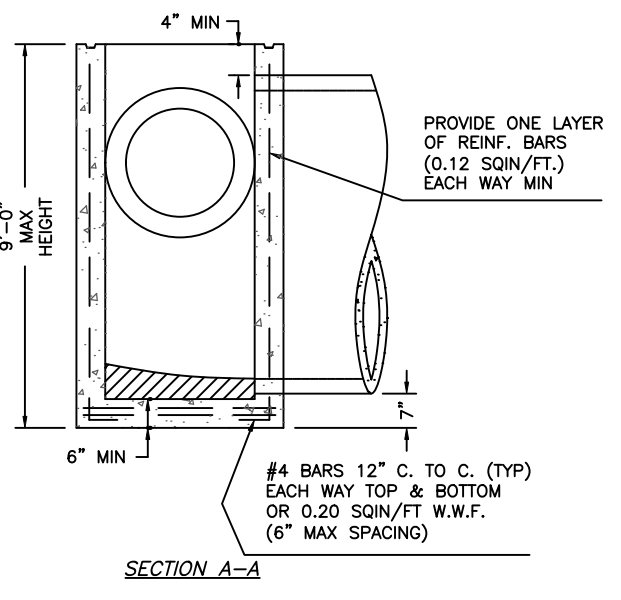
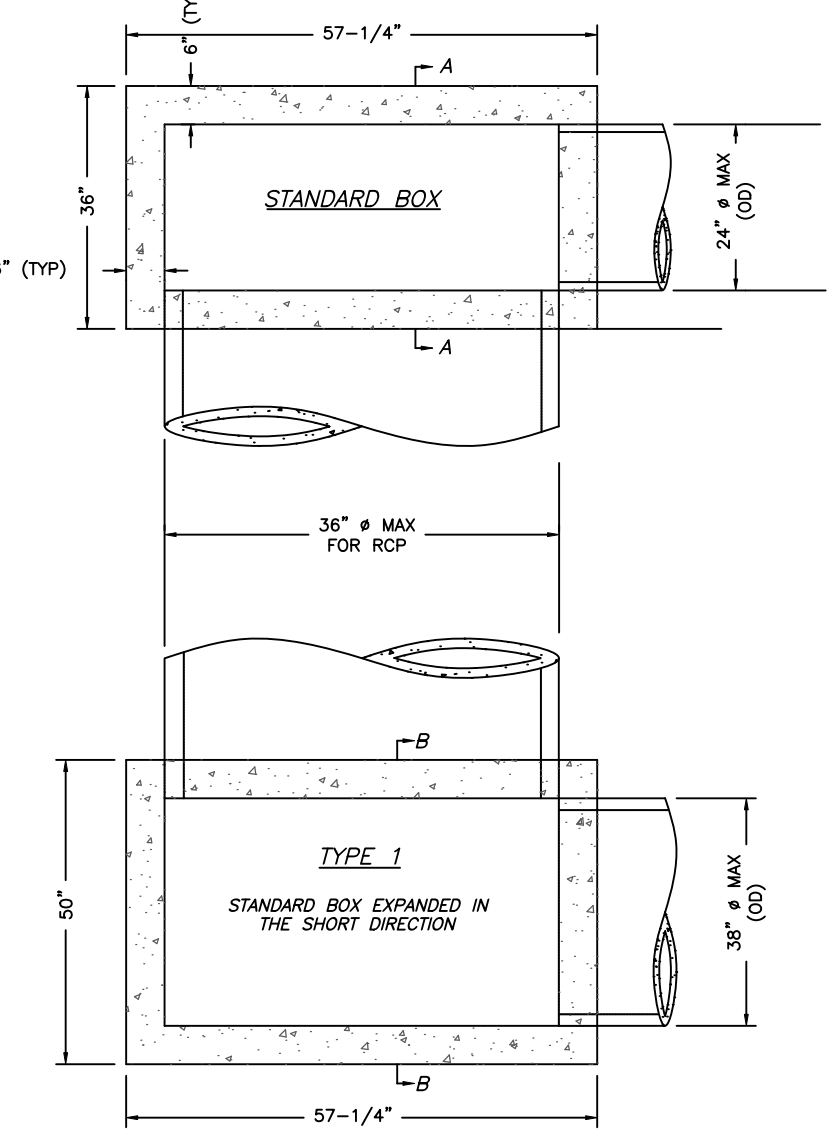
| OUTLET NO. | PIPE DIA Pd (IN) | RIPRAP | | APRON | | |
|------------|------------------|--------------|----------------|----------------|------------------------|-------------------------|
| | | SIZE R- (IN) | THICK. Rt (IN) | LENGTH Ai (FT) | INITIAL WIDTH Atw (FT) | TERMINAL WIDTH Atw (FT) |
| RR-1 | 18 | R-5 | 27 | 10 | 4.5 | 14.5 |
| RR-2 | 12 | R-4 | 18 | 6 | 3 | 9 |
| RR-3 | 8 | R-4 | 18 | 6 | 3 | 9 |
| RR-4 | 12 | R-4 | 18 | 6 | 3 | 9 |

NOTES:

ALL APRONS SHALL BE CONSTRUCTED TO THE DIMENSIONS SHOWN. TERMINAL WIDTHS SHALL BE ADJUSTED AS NECESSARY TO MATCH RECEIVING CHANNELS.

ALL APRONS SHALL BE INSPECTED AT LEAST WEEKLY AND AFTER EACH RUNOFF EVENT. DISPLACED RIPRAP WITHIN THE APRON SHALL BE REPLACED IMMEDIATELY.

PADEP STANDARD CONSTRUCTION DETAIL #6-1
RIPRAP APRON AT PIPE OUTLET WITH FLARED END SECTION OR ENDWALL

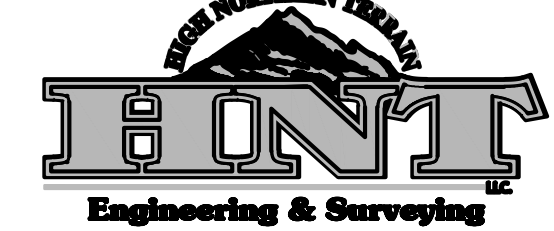


(RC-34) PRECAST CONCRETE INLET BOXES

COVER ADJUSTMENT SLAB
INLET NOTES

1. ALL CAST-IN-PLACE INLET TOPS SHALL CONFORM TO THE SHAPE AND DIMENSIONS AS SHOWN ON THE STANDARD, AND AT THE OPTION OF THE CONTRACTOR, MAY BE MONOLITHIC WITH THE INLET BOX.
2. CONCRETE TOP UNITS WHICH SEAT THE GRATE DIRECTLY WITHIN THE UNIT SHALL UTILIZE 1-1/4" X 1-1/4" ANGLES EMBEDDED IN THE CONCRETE AS A BEARING AREA FOR THE GRATE.
3. THIS STANDARD DEPICTS THE SHAPE AND DIMENSIONS REQUIRED FOR UNIFORMITY AND COMPATIBILITY. IT IS NOT INTENDED TO SHOW THE DETAILS REQUIRED FOR MANUFACTURING AND HANDLING. ONLY THOSE ITEMS WHICH ARE SUPPLIED BY AN APPROVED MANUFACTURER AS LISTED IN PA BULLETIN NO. 15 WILL BE PERMITTED.
4. THE SELECTION OF COMPONENTS TO ACHIEVE A SPECIFIED INLET TYPE IS THE CONTRACTOR'S RESPONSIBILITY.
5. PIPES SHALL BE LOCATED AS REQUIRED.
6. WEEP HOLES SHALL BE INSTALLED AS REQUIRED BY SECTION 605, PA DOT FORM 40B.
7. GRADE ADJUSTMENT RINGS MAY BE OF MASONRY OR PRECAST CONCRETE CONSTRUCTION, AS APPROVED.
8. INLET BOX SHALL EITHER CAST-IN-PLACE CONCRETE, OR PRECAST CONCRETE.
9. REFER TO PA DOT BUREAU OF DESIGN STANDARDS RC-34M.
10. ALL NEW CONSTRUCTION SHALL BE IN ACCORDANCE WITH PADOT PUBLICATION 40B, SECTION 605 & STANDARDS FOR ROADWAY CONSTRUCTION, RC-34M. CONTRACTOR SHALL VERIFY INLET BOX SIZING BASED ON PIPE SIZES AND ALIGNMENT PRIOR TO ORDERING PRECAST STRUCTURES.
11. ALL DRAINAGE STRUCTURES SHALL HAVE POURED-IN-PLACE CONCRETE CHANNEL BOTTOMS.
12. SEAL AROUND UNIT TOP AND PAVING (ALL UNITS) WITH AC-20.
13. INLETS DEEPER THAN 6 FT. FROM TOP OF GRATE SHALL BE EQUIPPED WITH METAL STEPS.
14. ALL INLET TOPS SHALL BE CONSTRUCTED WITH A 2" SLUMP (10" REVEAL AT ALL INLETS TO MATCH 8" CURB REVEAL ELSEWHERE).
15. FOR DOUBLE INLET BOX CONFIGURATION, REMOVE CENTER KNOCKOUT PANELS AND GROUT JOINT CLOSED. JOINED STRUCTURE SHALL HAVE POURED-IN-PLACE CONCRETE CHANNEL BOTTOM WITH INVERT PER PLAN.
16. PLACE SUBBASE MATERIAL MEETING THE REQUIREMENTS OF PENNDOT PUBLICATION 40B, SECTION 350.2, IN LAYERS OF 4" THICK, COMPACTED TO A DENSITY SATISFACTORY TO THE BOROUGH ENGINEER (SEE DETAIL A).

DETAILS
FOR
330 GILBERTVILLE ROAD
Situatd In:
Douglas Township
Montgomery County, Pennsylvania



297 SUEDBERG ROAD, SUITE #7, PINE GROVE, PA 17963
(570) 345-8288 FAX: (570) 345-8299

| REVISIONS |
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| 04/06/2026 |
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DRAWN 12/17/2025 CHECK SCALE PLAN NO. 25-061 AS NOTED SHEET 08 OF 08