

R-150 ZONE REQUIREMENTS

| | REQUIRED |
|-------------------------|----------------------------------------------------------------------------------------|
| MIN. LOT AREA | 15,000 SQ.FT. |
| MIN. LOT FRONTAGE | 100 FT. |
| MIN. FRONT SETBACK | 35 FT. |
| MIN. REAR SETBACK | 30 FT. |
| MIN. SIDE YARD ONE/BOTH | 10 FT./25 FT. |
| MIN. FLOOR AREA | ONE BEDROOM - 950 SQ.FT. TWO BEDROOM - 1,100 SQ.FT. THREE OR MORE - 1,250 SQ.FT. |
| MAX. LOT COVERAGE | 25% |
| MAX. BLDG. HEIGHT | 35 FT. |

BLOCK 583

BLOCK 584

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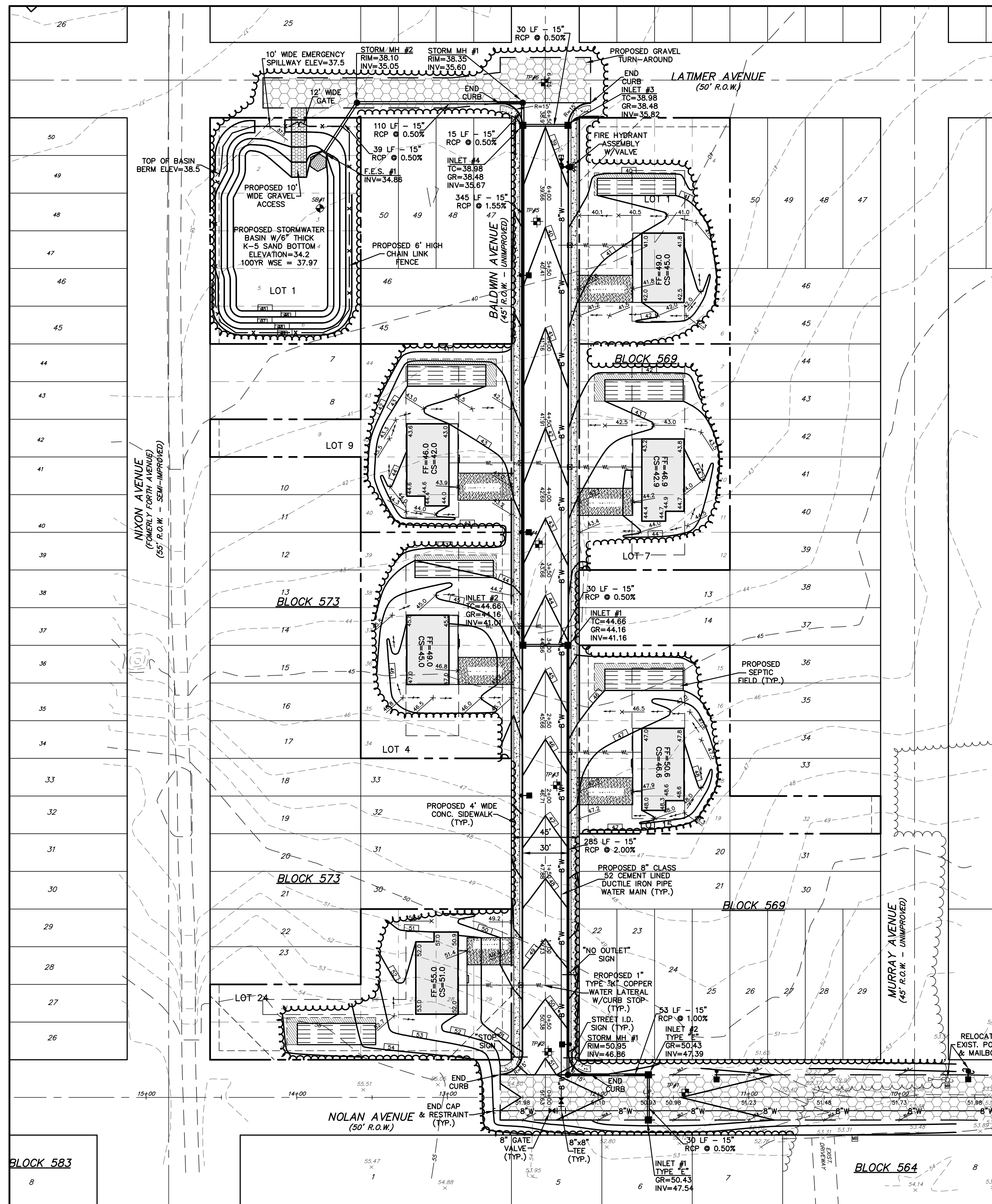
| NO. | DATE | REVISION | BY |
|-----|---------|-------------------------------------|-----|
| 4 | 2/21/14 | REVISED PER RESOLUTION COMPLIANCE | MCS |
| 3 | 3/12/10 | REVISED PER RESOLUTION COMPLIANCE | MCS |
| 2 | 10/4/09 | REVISED PER RESOLUTION COMPLIANCE | MCS |
| 1 | 1/11/08 | REVISED PER PLANNING BOARD ENGINEER | MCS |

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PROFESSIONAL PLANNER NEW JERSEY LIC #5384

ROADWAY IMPROVEMENT PLANS
OVERALL DEVELOPMENT PLAN
 FOR
PINEWALD ESTATES
MISC. BLOCKS AND LOTS
 BERKELEY TOWNSHIP
 OCEAN COUNTY NEW JERSEY

SCALE: 1"=40' DATE: JULY 31, 2007 JOB NUMBER: 27048 SHEET 2
 DRAWN BY: MCS DESIGNED BY: MCS CHECKED BY: MCS





RSIS ROADWAY CLASSIFICATION

| | REQUIRED | PROVIDED BALDWIN AVE | PROVIDED NOLAN AVE |
|-------------------------|----------|----------------------|--------------------|
| TRAVELED WAY | 21 FEET | 30 FEET | 30 FEET |
| NUMBER OF PARKING LANES | 1 | 2 | 2 |
| PARKING LANE WIDTH | 7 FEET | 7 FEET | 7 FEET |
| CARTWAY WIDTH | 28 FEET | 30 FEET | 30 FEET |
| CURB OR SHOULDER | NONE | CURB | CURB |
| SIDEWALK OR GRADED AREA | 15W/16A | 15W/16A | 15W/16A |
| RIGHT OF WAY | 50 FEET | 45 FEET | 50 FEET |

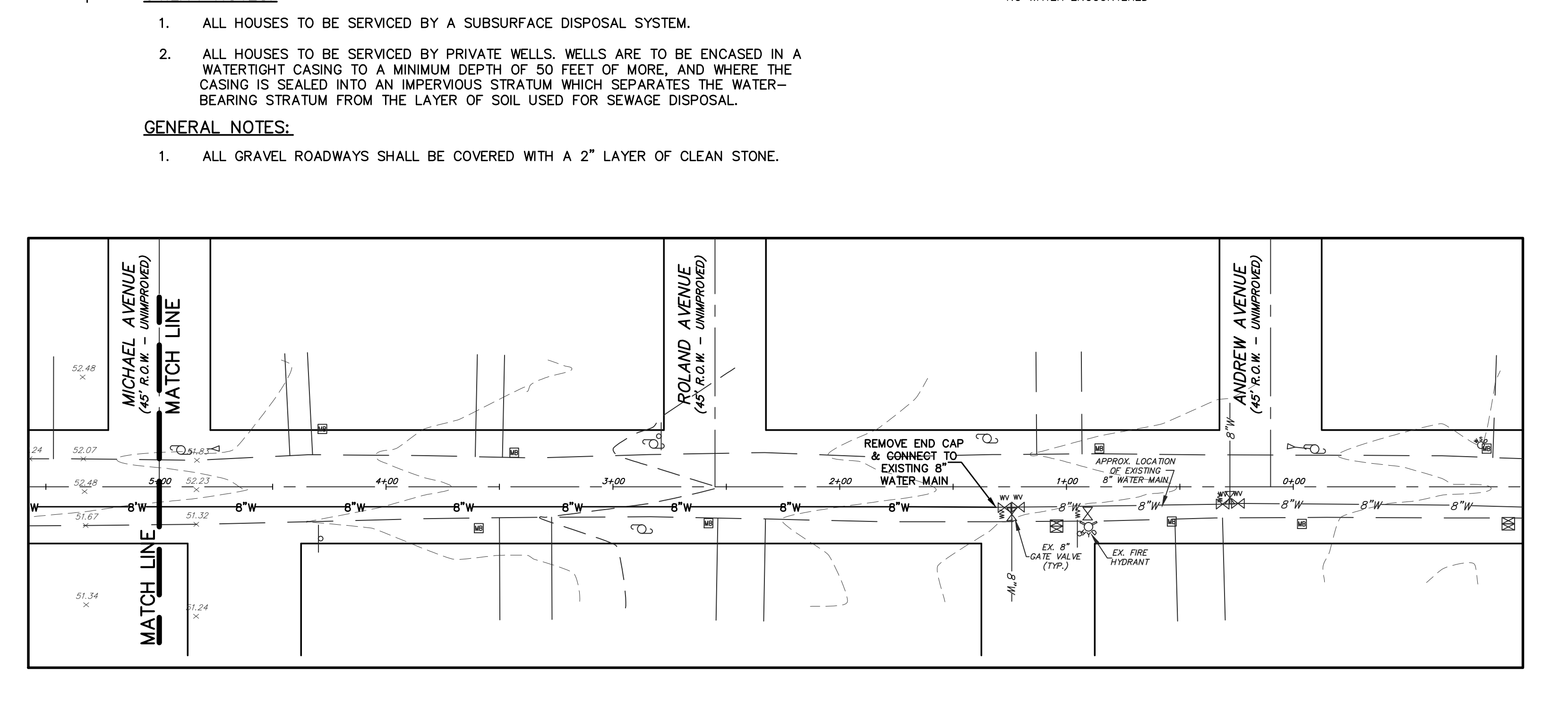
| SB#1 | ELEV=39.0± |
|---------------------------------------------|------------------------------|
| 0-4 | ORGANIC LAYER |
| 4-18 | 10YR 6/1 SAND |
| 18-24 | 10YR 5/8 SANDY LOAM |
| 24-40 | 10YR 8/8 LOAMY SAND |
| 40-62 | 10YR 7/8 LOAMY SAND |
| 62-88 | 10YR 6/8 LOAMY SAND |
| 88-92 | 10YR 6/8 4/4 LOAMY SAND |
| 92-96 | 10YR 8/8 8/3 SANDY CLAY LOAM |
| S.H.W.T. @ 85'(31.7±) | |
| NO WATER ENCOUNTERED | |
| SOIL BORING PERFORMED BY P.D.S. ON 3/24/08. | |

TEST PIT LOGS

| TP # | ELEV=51.5± | TP # | ELEV=43.0± |
|------------------------|-----------------------------|-----------------------|--------------------------|
| 0-5 | ORGANIC LAYER | 0-3 | ORGANIC LAYER |
| 5-11 | 10YR 7/1 SAND | 3-12 | 10YR 7/1 SAND |
| 11-16 | 10YR 5/8 LOAMY SAND | 12-24 | 10YR 5/8 LOAMY SAND |
| 16-35 | 10YR 7/8 SAND | 24-30 | 10YR 6/8 SAND |
| 35-60 | 10YR 7/8 COARSE SAND | 30-59 | 10YR 6/8 LOAMY SAND |
| 60-76 | 10YR 5/8 COARSE SAND | 59-68 | 10YR 8/8 SAND |
| 76-106 | 10YR 7/8 SAND | 68-71 | 10YR 7/3 SILTY CLAY LOAM |
| 106-116 | 5YR 5/8 10YR 6/8 LOAMY SAND | 71-98 | 10YR 7/8 LOAMY SAND |
| 116-128 | 5YR 5/8 10YR 8/1 SAND | 98-120 | 10YR 8/1 6/8 SAND |
| 128-132 | 10YR 6/8 8/1 LOAMY SAND | S.H.W.T. @ 98'(34.9±) | |
| S.H.W.T. @ 108'(42.7±) | | NO WATER ENCOUNTERED | |
| NO WATER ENCOUNTERED | | | |

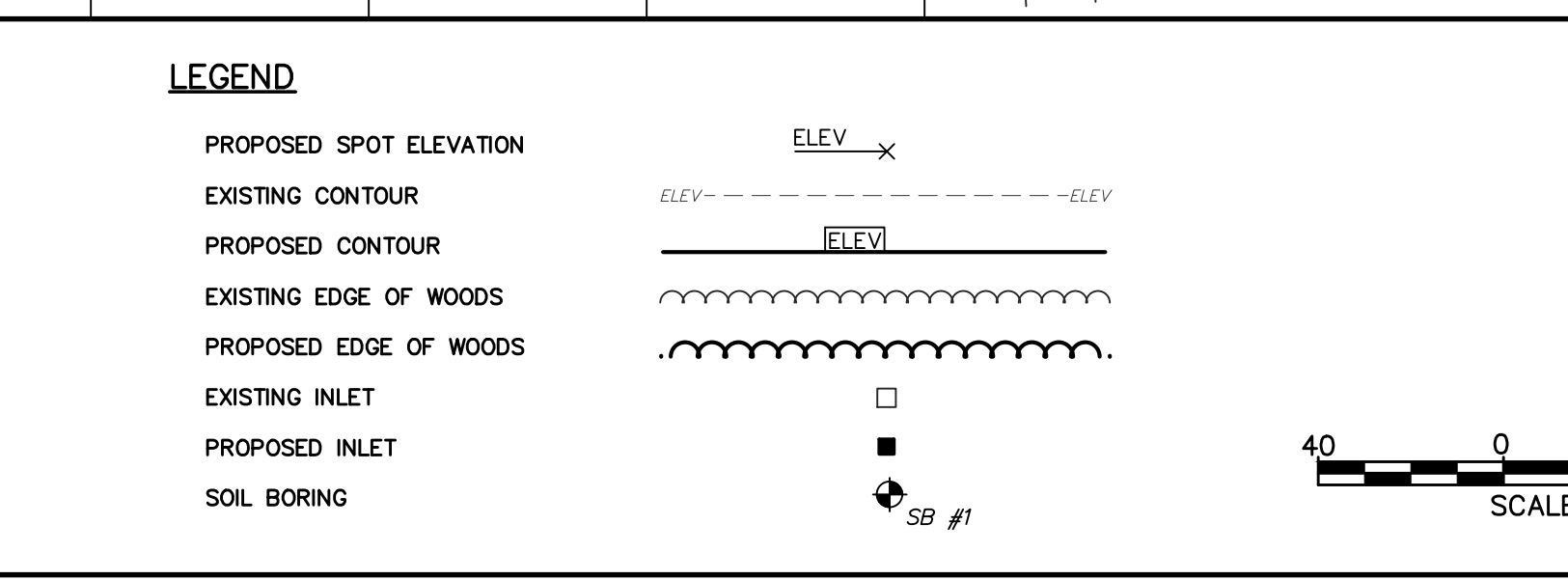
| TP # | ELEV=53.0± | TP # | ELEV=39.5± |
|------------------------|----------------------------|-----------------------|---------------------|
| 0-4 | ORGANIC LAYER | 0-4 | ORGANIC LAYER |
| 4-13 | 10YR 7/1 SAND | 4-13 | 10YR 7/1 SAND |
| 13-18 | 10YR 5/8 LOAMY SAND | 13-22 | 10YR 6/4 LOAMY SAND |
| 18-37 | 10YR 7/8 SAND | 22-42 | 10YR 7/8 LOAMY SAND |
| 37-58 | 10YR 7/8 COARSE SAND | 42-98 | 10YR 8/3 FINE SAND |
| 58-72 | 10YR 5/8 COARSE LOAMY SAND | 98-120 | 10YR 8/1 6/8 SAND |
| 72-103 | 10YR 7/8 SAND | S.H.W.T. @ 98'(31.4±) | |
| 103-114 | 5YR 5/8 LOAMY SAND | NO WATER ENCOUNTERED | |
| 114-125 | 5YR 5/8 SAND | | |
| 125-132 | 10YR 6/8 8/1 LOAMY SAND | | |
| S.H.W.T. @ 125'(42.6±) | | | |
| NO WATER ENCOUNTERED | | | |

| TP # | ELEV=46.3± | TP # | ELEV=38.6± |
|-----------------------|---------------------------|-----------------------|-------------------------|
| 0-4 | ORGANIC LAYER | 0-4 | ORGANIC LAYER |
| 4-11 | 10YR 7/1 SAND | 4-14 | 10YR 7/1 SAND |
| 11-20 | 10YR 5/8 LOAMY SAND | 14-21 | 10YR 5/8 LOAMY SAND |
| 20-29 | 10YR 6/8 SAND | 21-45 | 10YR 8/6 SAND |
| 29-54 | 5YR 4/6 COARSE LOAMY SAND | 45-76 | 2.5Y 6/6 LOAMY SAND |
| 54-68 | 10YR 6/8 LOAMY SAND | 76-88 | 10YR 8/4 8/1 LOAMY SAND |
| 68-84 | 10YR 7/8 LOAMY SAND | 88-120 | 10YR 8/1 6/8 SAND |
| 84-91 | 10YR 6/8 CLAY LOAM | S.H.W.T. @ 76'(32.3±) | |
| 91-114 | 10YR 7/1 LOAMY SAND | NO WATER ENCOUNTERED | |
| 114-120 | 10YR 8/1 6/8 LOAMY SAND | | |
| S.H.W.T. @ 91'(38.8±) | | | |
| NO WATER ENCOUNTERED | | | |



GRADING & DRAINAGE NOTES:

- ALL HOUSE GRADING IS BASED UPON EITHER A REGULAR BASEMENT OR A WALK OUT BASEMENT FOUNDATION.
- ALL DISTURBED AREAS SHALL BE VEGETATIVELY STABILIZED IN ACCORDANCE WITH THE CERTIFIED SOIL EROSION & SEDIMENT CONTROL PLAN. ALL FRONT YARD, SIDE YARD AND REAR YARD (30 FEET BEHIND HOUSE) AREAS ARE TO BE SODDED. ALL OTHER DISTURBED AREAS ARE TO BE SEEDED & MULCHED.
- ALL STORMWATER INLETS TO BE TYPE "B" UNLESS OTHERWISE NOTED.
- INLET HOODS SHALL BE PLACED ON ALL PIPES LEAVING THE PROPOSED INLETS.



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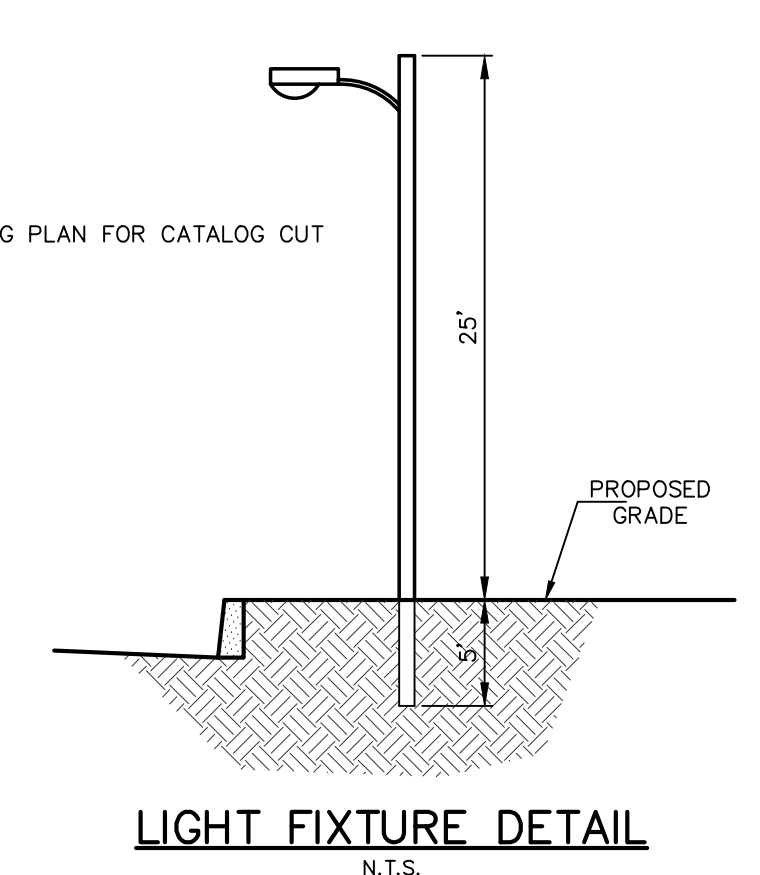
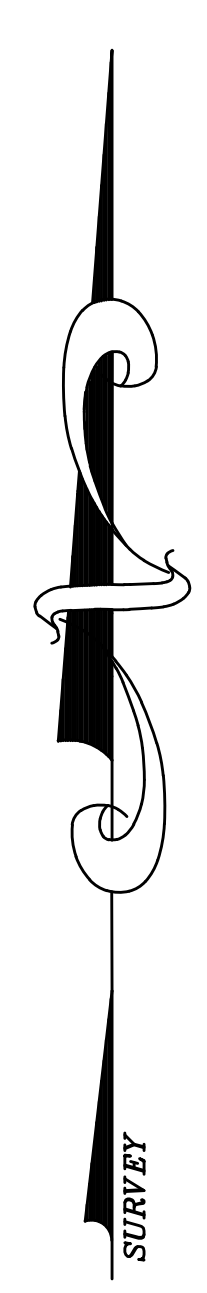
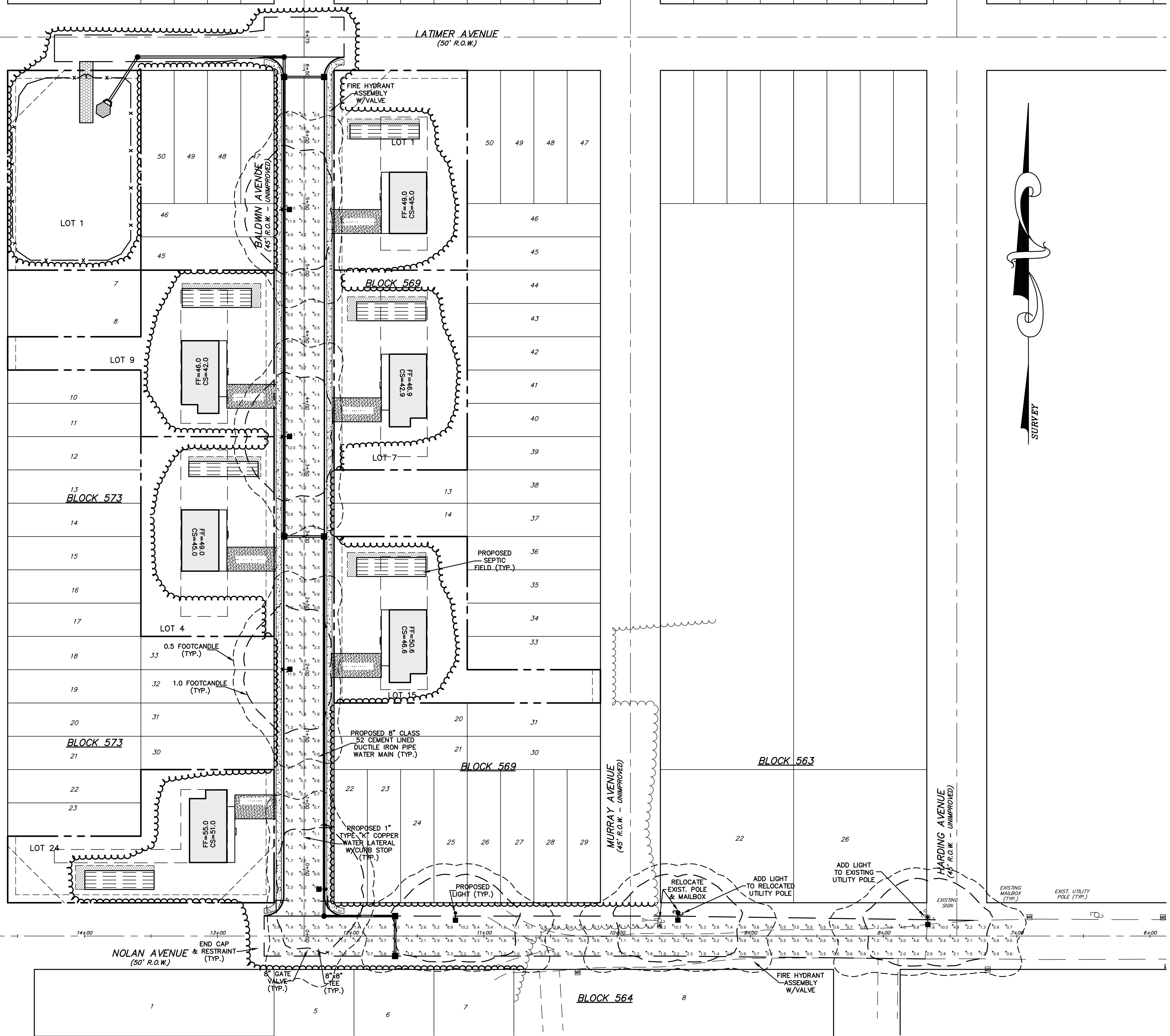
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 PROFESSIONAL PLANNER NEW JERSEY LIC #3294

ROADWAY IMPROVEMENT PLANS GRADING, DRAINAGE, & UTILITY PLAN

FOR
PINEWALD ESTATES
 MISC. BLOCKS AND LOTS
 BERKELEY TOWNSHIP
 OCEAN COUNTY NEW JERSEY

| | | | |
|---------------|---------------------|-------------------|---------|
| SCALE: 1"=40' | DATE: JULY 31, 2007 | JOB NUMBER: 27048 | SHEET 3 |
| DRAWN BY: MCS | DESIGNED BY: WAS | CHECKED BY: WAS | 6 |



LUMINAIRE:
SEE LUMINAIRE SCHEDULE ON LIGHTING PLAN FOR CATALOG CUT

POLE:
POLE TO BE GE POLE, CATALOG CUT:
A-R-5-A-30-3T-5-B-DB

STATISTICS

| Description | Symbol | Avg | Max | Min | Max/Min | Avg/Min |
|---------------------|--------|--------|---------|--------|---------|---------|
| Roadway Calculation | + | 1.9 fc | 12.1 fc | 0.5 fc | 24.2:1 | 3.8:1 |

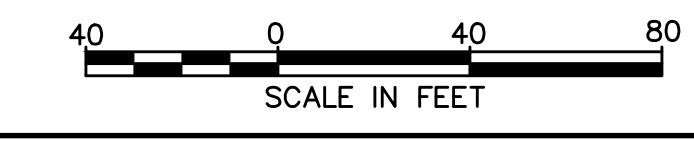
LUMINAIRE SCHEDULE

| Symbol | Mounting Feet | Qty | Catalog Number | Description | Lamp | File | Lumens | LLF | Watts |
|--------|---------------|-----|-----------------------|----------------|--------------------------------|--------------|--------|------|-------|
| ☛ | 25 feet | 7 | M2RC-25-S-1-N-2-G-MC3 | M-250R2 CUTOFF | 1: 250W HPS, CLEAR ED18, HORIZ | GE177305.IES | 28000 | 1.00 | 305 |

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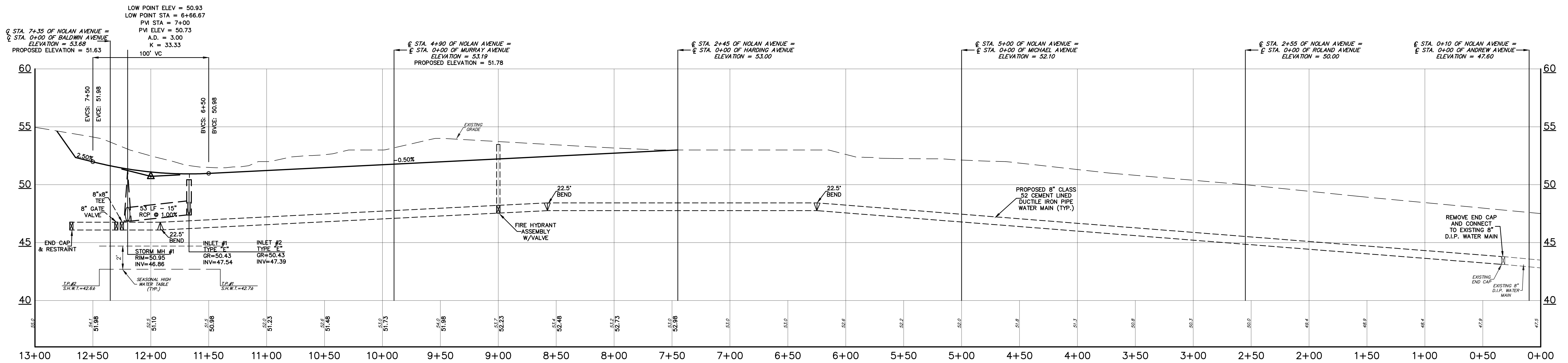
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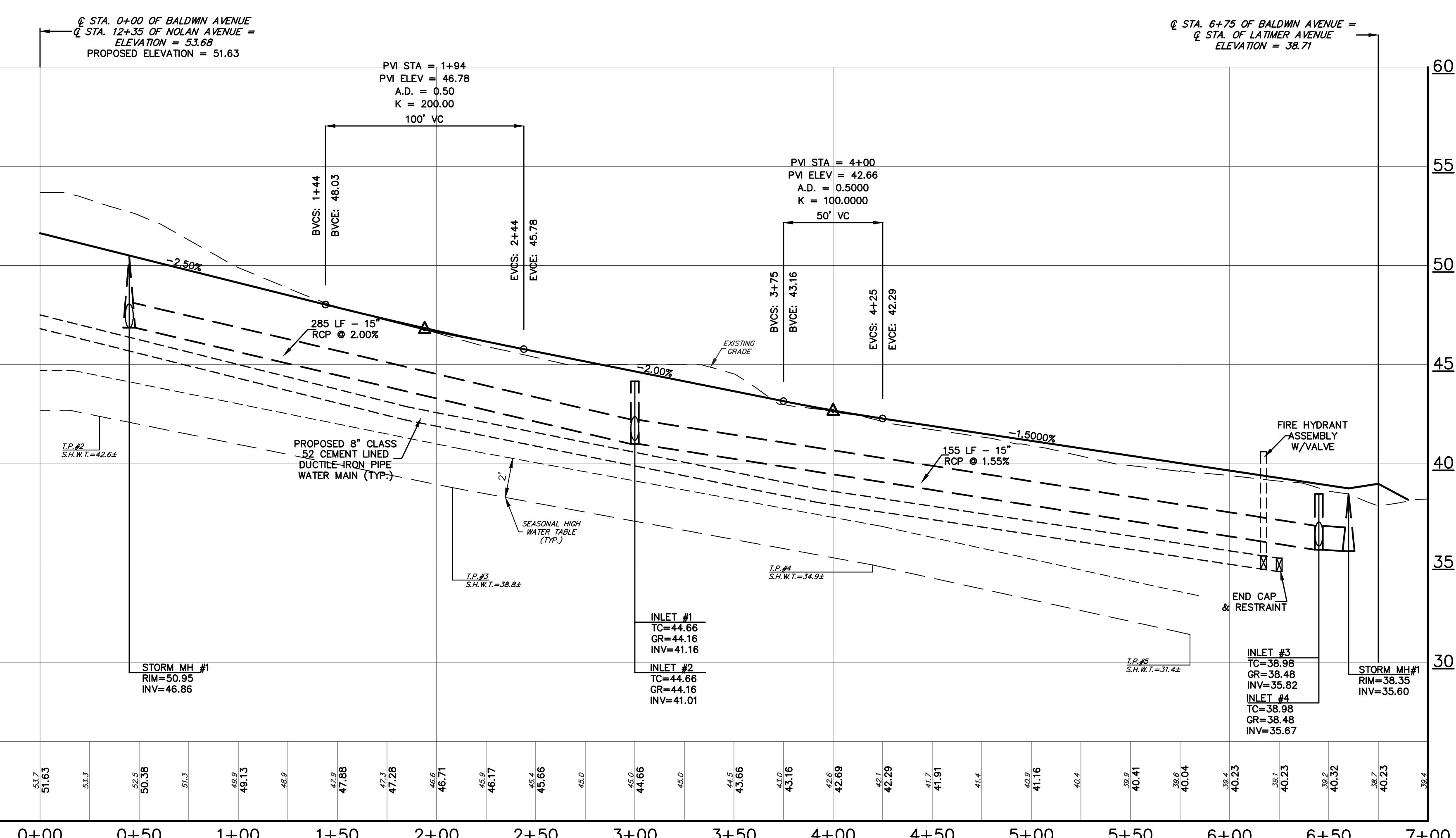
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ROADWAY IMPROVEMENT PLANS
LIGHTING & UTILITY PLAN
FOR
PINEWALD ESTATES
MISC. BLOCKS AND LOTS
BERKELEY TOWNSHIP
OCEAN COUNTY NEW JERSEY

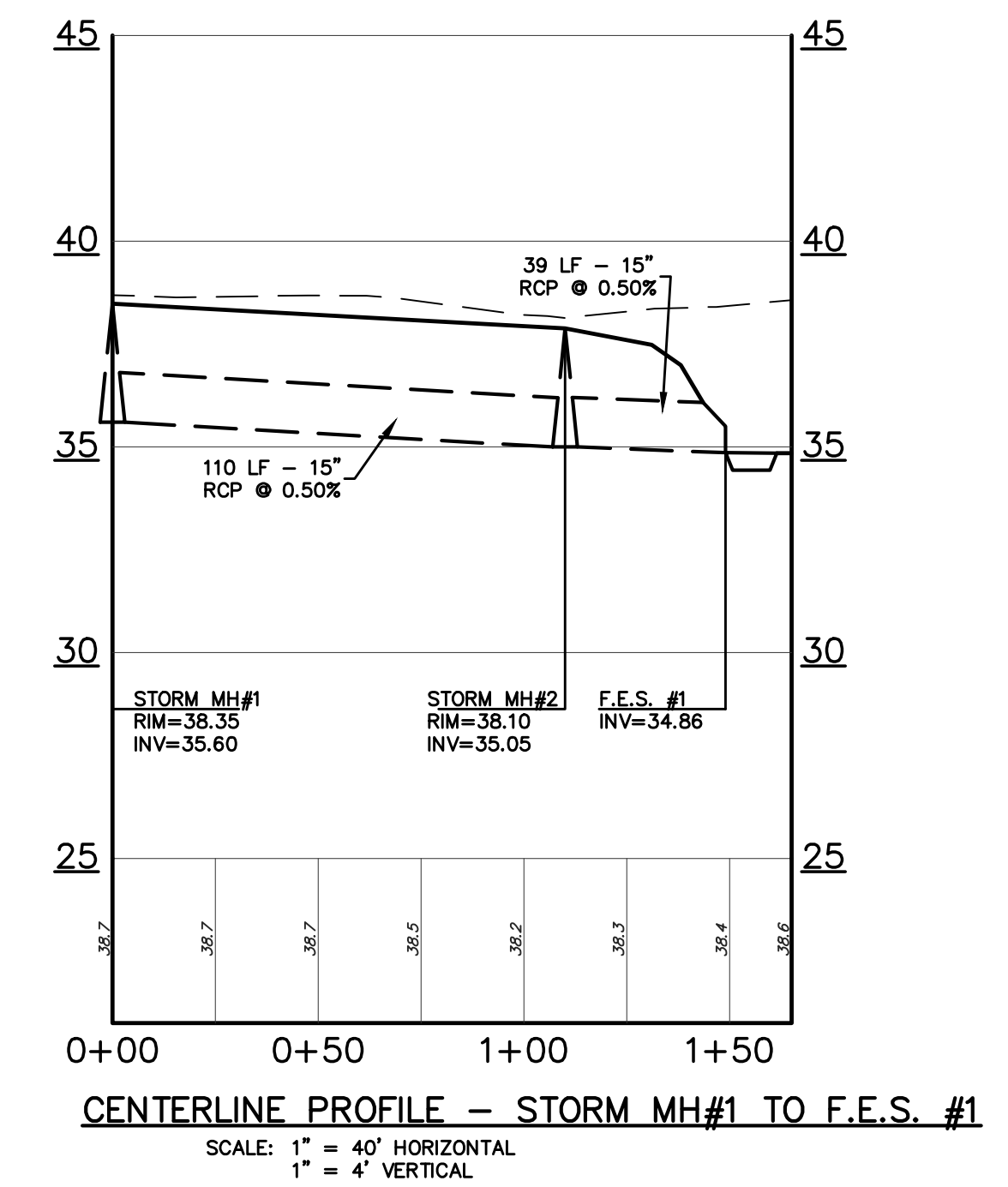
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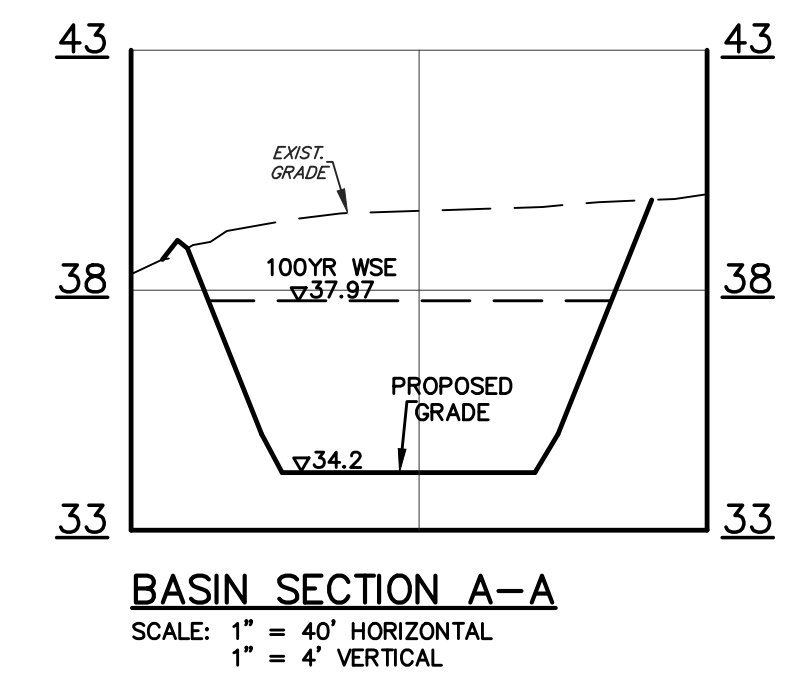
CENTERLINE PROFILE -- NOLAN AVENUE
 SCALE: 1" = 40' HORIZONTAL
 1" = 4' VERTICAL



CENTERLINE PROFILE -- BALDWIN AVENUE
 SCALE: 1" = 40' HORIZONTAL
 1" = 4' VERTICAL



CENTERLINE PROFILE -- STORM MH#1 TO F.E.S. #1
 SCALE: 1" = 40' HORIZONTAL
 1" = 4' VERTICAL



BASIN SECTION A-A
 SCALE: 1" = 40' HORIZONTAL
 1" = 4' VERTICAL

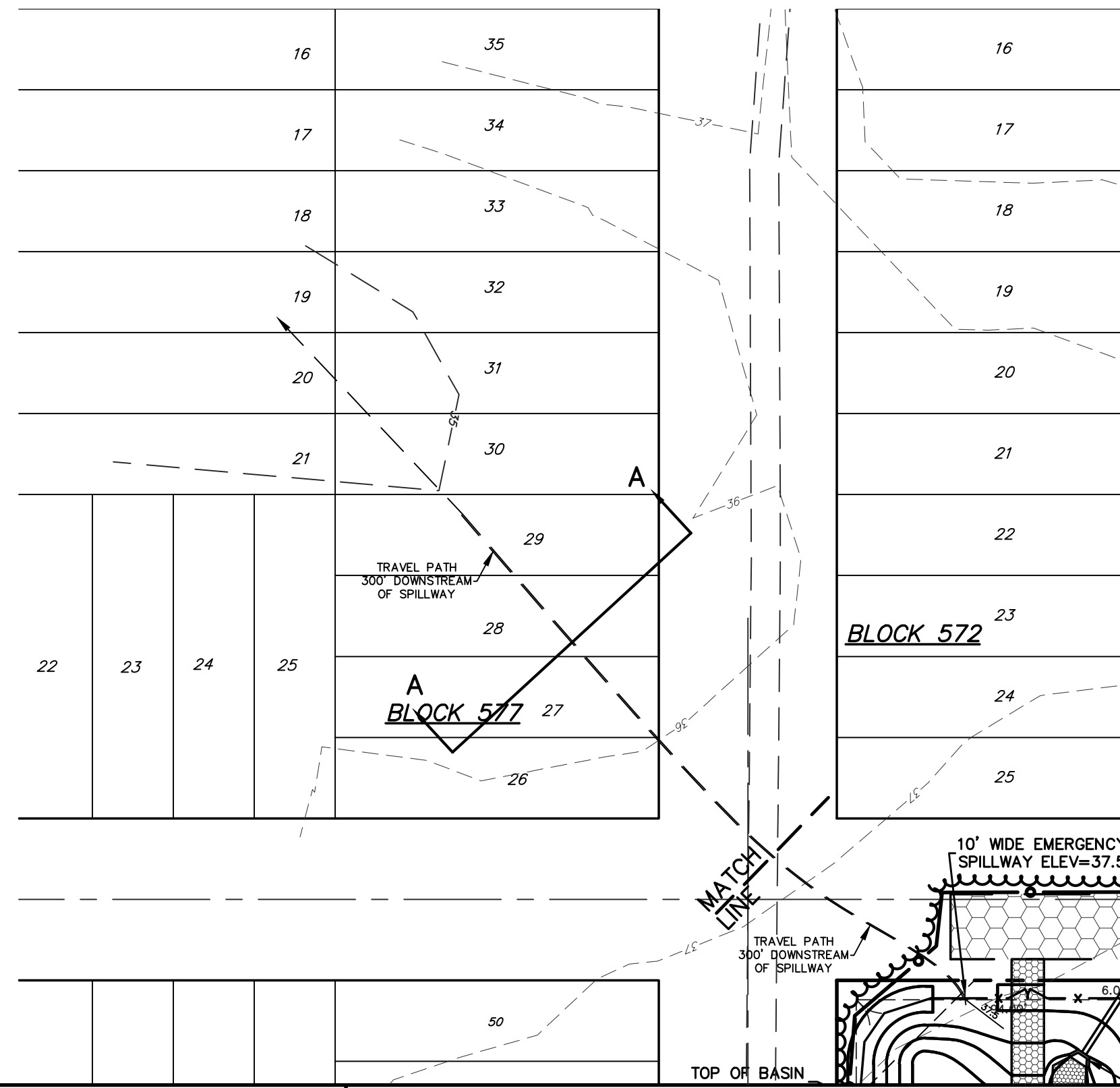
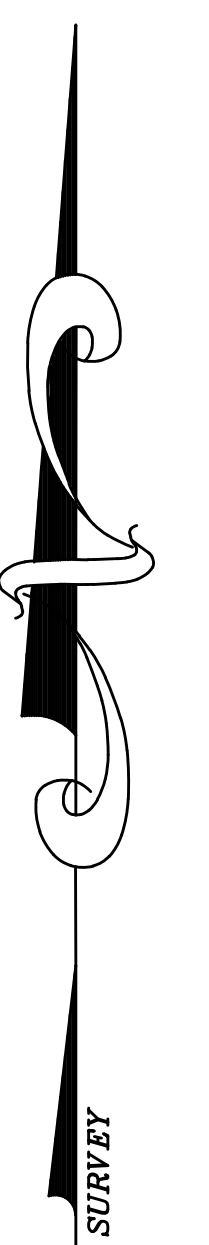
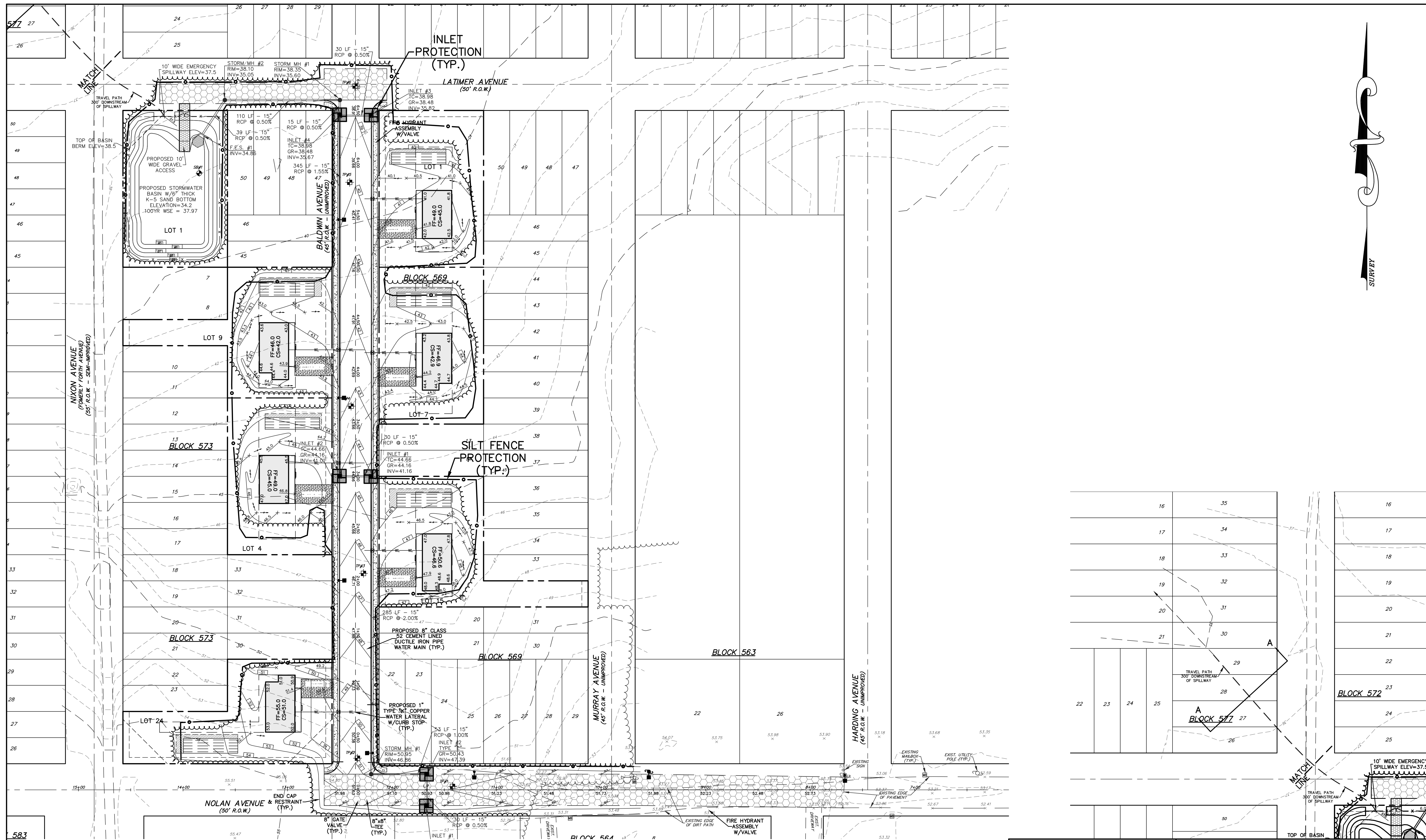
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ROADWAY IMPROVEMENT PLANS PROFILES
 FOR
PINEWALD ESTATES
 MISC. BLOCKS AND LOTS
 BERKELEY TOWNSHIP
 OCEAN COUNTY NEW JERSEY

SCALE: AS NOTED DATE: JULY 31, 2007 JOB NUMBER: 27048 SHEET 5
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GENERAL NOTES:

1. ALL GRAVEL ROADWAYS SHALL BE COVERED WITH A 2" LAYER OF CLEAN STONE.



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ROADWAY IMPROVEMENT PLANS
SOIL EROSION & SEDIMENT CONTROL PLAN
 FOR
PINEWALD ESTATES
MISC. BLOCKS AND LOTS
 BERKELEY TOWNSHIP
 OCEAN COUNTY NEW JERSEY

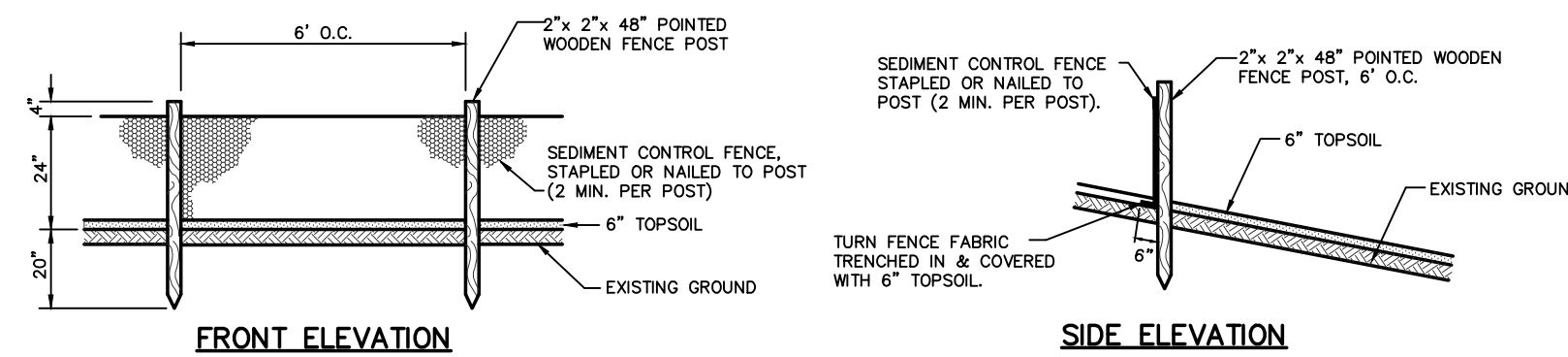
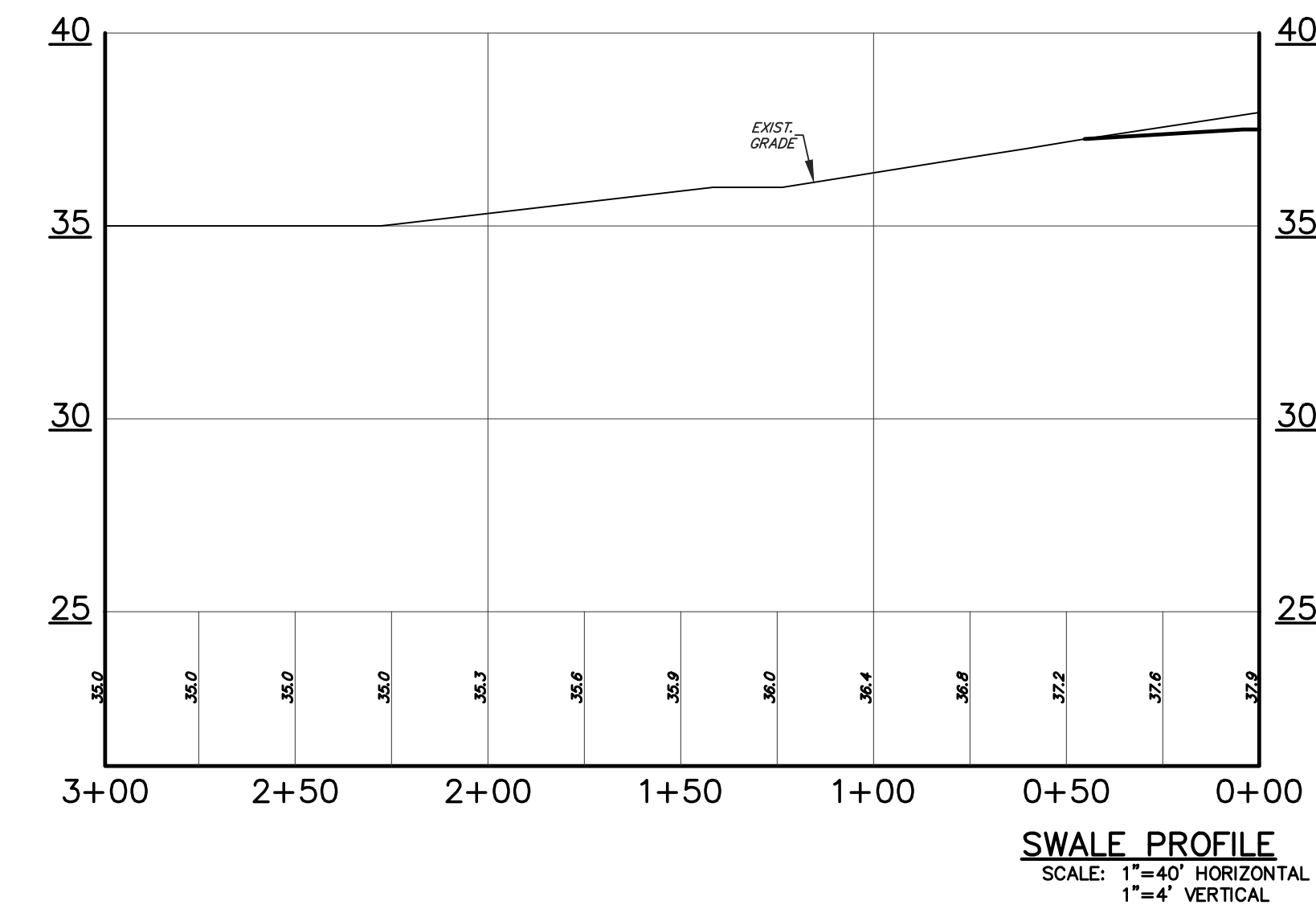
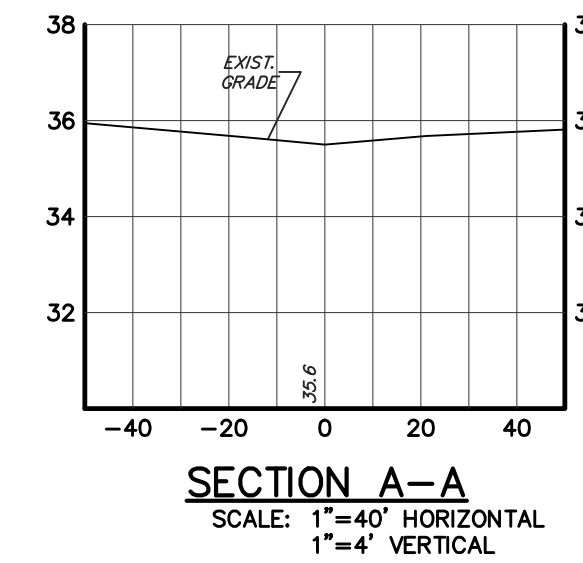
SCALE: 1"=40' DATE: JULY 31, 2007 JOB NUMBER: 27048 SHEET 1
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SOIL EROSION AND SEDIMENT CONTROL NOTES

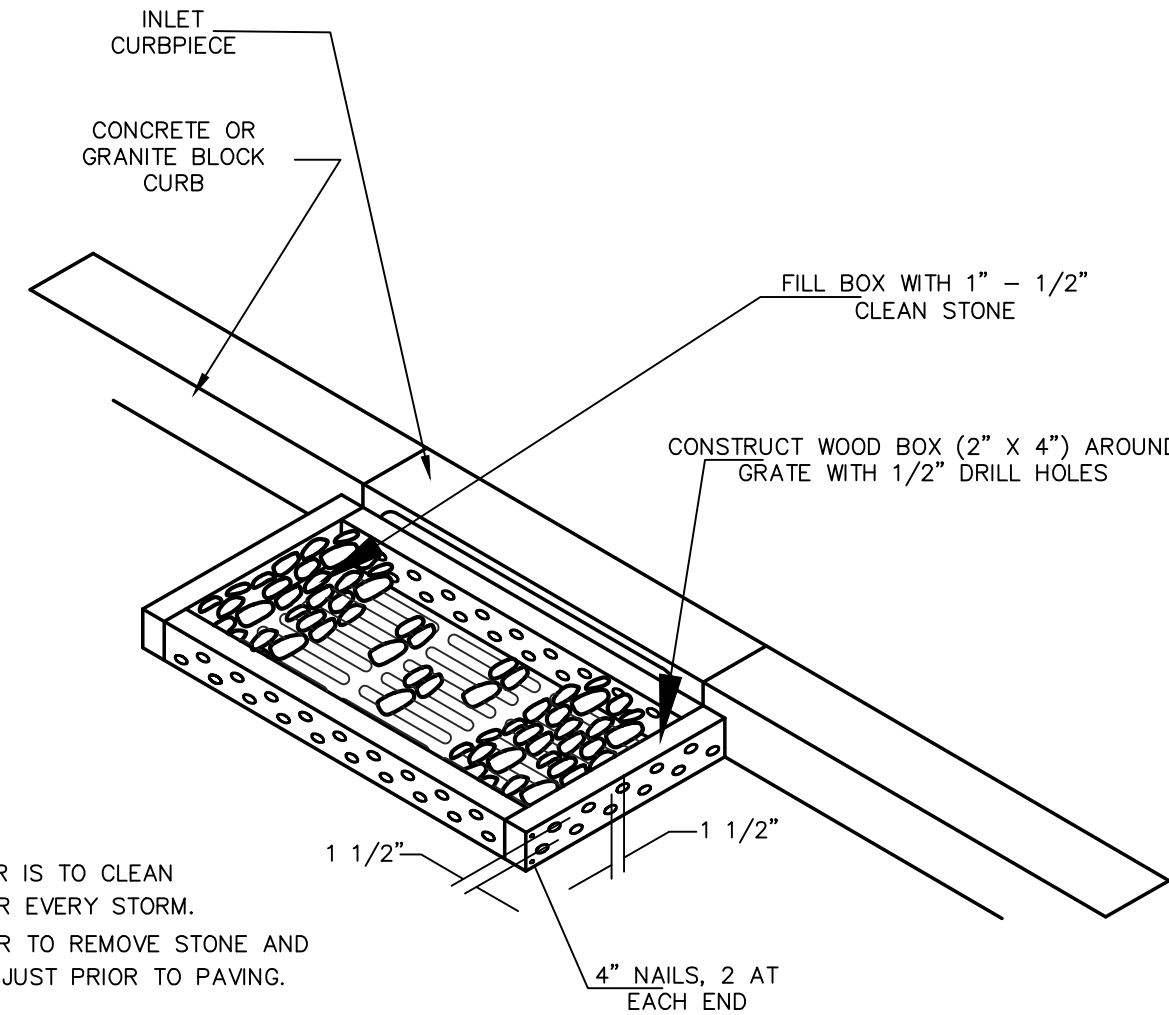
- ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
- ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 30 DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL, AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO STATE STANDARDS.
- PERMANENT VEGETATION TO BE SEED OR SODDED ON ALL EXPOSED AREAS WITHIN THE (10) DAYS AFTER FINAL GRADING. MULCH TO BE USED AS NECESSARY FOR PROTECTION UNTIL SEEDING ESTABLISHED.
- ALL WORK TO BE DONE IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY.
- A SUBBASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS IN ORDER TO STABILIZE ROADWAY AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT, THE SUBBASE SHALL BE INSTALLED WITHIN 15 DAYS OF THE PRELIMINARY GRADING.
- IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E. STEEP SLOPES) WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO STATE STANDARDS.
- ANY STEEP SLOPES RECEIVING PIPELINE INSTALLATION WILL BE BACKFILLED AND STABILIZED DAILY, AS THE INSTALLATION PROCEEDS (I.E., SLOPES GREATER THAN 3:1)
- TRAFFIC CONTROL STANDARDS REQUIRE THE INSTALLATION OF A 25'X50'X12" THICK PAD OF 1 1/2" STONE TO 2 1/2", AT ALL CONSTRUCTION DRIVEWAYS, IMMEDIATELY AFTER INITIAL SITE DISTURBANCE.
- IN ACCORDANCE WITH THE STANDARD FOR PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION, ANY SOIL HAVING A PH OF 4 OR LESS OR CONTAINING IRON SULFIDES SHALL BE COVERED WITH A MINIMUM OF 12 INCHES OF SOIL HAVING A PH OF 5 OR MORE PRIOR TO SEEDBED PREPARATION.
- ALL SEED MUST BE RAKED OR DRILLING INTO THE SOIL. ALL SEEDED AREAS MUST BE MULCHED AS PER NOTE 6.
- THE OCEAN COUNTY SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED 72 HOURS IN ADVANCE OF ANY LAND DISTURBANCE ACTIVITY.
- AT THE TIME WHEN THE SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER, SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER.
IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON-VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATIONS WILL HAVE TO BE EMPLOYED.
- IN THE N.J.S.A. 4:24-39 ET SEQ. REQUIRES THAT NO CERTIFICATES OF OCCUPANCY BE ISSUED BEFORE THE PROVISIONS OF THE CERTIFIED PLAN FOR SOIL EROSION AND SEDIMENT CONTROL HAVE BEEN COMPLIED WITH FOR PERMANENT MEASURES. ALL SITE WORK FOR SITE PLANS WILL HAVE TO BE COMPLETED PRIOR TO THE DISTRICT ISSUING A REPORT OF COMPLIANCE FOR THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE MUNICIPALITY.
- ALL STEEP SLOPES WILL BE TEMPORARILY STABILIZED UPON ESTABLISHMENT OFF ROUGH GRADE AND JUTE MATTING WILL BE USED ON ALL STEEP SLOPES TO AID IN ESTABLISHING PERMANENT VEGETATION.
- DUST CONTROL SHALL CONSIST OF CALCIUM CHLORIDE ON ALL ROADWAYS AND A COMBINATION OF MULCH AND VEGETATIVE COVER ON ALL REMAINING AREAS AS NEEDED.
- RESIDENTIAL DEVELOPMENT CONTROL MEASURES TO APPLY TO DWELLING CONSTRUCTION ON INDIVIDUAL LOTS AND NOTATION THAT SUCH CONTROL MEASURES WILL APPLY TO SUBSEQUENT OWNERS IF TITLE IS CONVEYED.
- ALL PERMANENT SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED BY THE TOWNSHIP, AND SHALL BECOME THEIR RESPONSIBILITY.
- PAVEMENT AREAS ARE TO BE KEPT CLEAN AT ALL TIMES.
- DURING CONSTRUCTION, ANY ADDITIONAL CONTROL MEASURES AS DEEMED NECESSARY TO PREVENT EROSION OR CONTRARY SEDIMENT BEYOND THOSE MEASURES SHOWN ON THE APPROVED PLAN SHALL BE INSTALLED OR EMPLOYED AT THE DIRECTION OF THE ENGINEER OR DISTRICT PERSONNEL.
- CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL.
- ANY CHANGES TO BE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLANS WILL REQUIRE THE SUBMISSION OF REVISED SOIL EROSION AND SEDIMENT CONTROL PLANS TO THE DISTRICT FOR RE-CERTIFICATION. THE REVISED PLANS MUST MEET ALL CURRENT STATE SOIL EROSION AND SEDIMENT CONTROL STANDARDS.
- ADDITIONAL STABILIZATION MEASURES MAY BE REQUIRED AS DIRECTED BY THE SOIL CONSERVATION DISTRICT IF RUNOFF FROM ROOF DOWNSPOUTS CREATE EROSION ON ADJACENT SLOPES.
- ADDITIONAL STABILIZATION MEASURES WILL BE REQUIRED IF EROSION OCCURS ALONG THE EDGES OF THE DRIVEWAYS.
- THE DETENTION BASIN SHALL BE CONSTRUCTED AND PERMANENTLY STABILIZED BEFORE RUNOFF IS ALLOWED TO ENTER THE DRAINAGE SYSTEM.
- ROOF RECHARGE SYSTEMS ARE REQUIRED ON EACH LOT.
- INDIVIDUAL LOT ENTRANCES AND EGRESS POINTS AFTER INTERIOR ROADS ARE PAVED, MAY REQUIRE A CONSTRUCTION ACCESS OF 1" TO 2" STONE.
- DURING CONSTRUCTION, THE DEVELOPER WILL BE RESPONSIBLE FOR BASIN MAINTENANCE AND THE TOWNSHIP WILL BE RESPONSIBLE FOR BASIN MAINTENANCE AFTER CONSTRUCTION IS COMPLETED.
- INDIVIDUAL LOT ENTRANCE & EGRESS POINTS AFTER INTERIOR ROADS ARE PAVED, MAY REQUIRE A CONSTRUCTION ACCESS OF 1" TO 2" STONE.
- ROOF RECHARGE SYSTEMS ARE REQUIRED AT EACH LOT.
- THE TOWNSHIP OF BERKELEY WILL BE RESPONSIBLE FOR THE MAINTENANCE OF THE BASIN AFTER CONSTRUCTION.
- THE DEVELOPER WILL BE RESPONSIBLE FOR THE MAINTENANCE OF THE BASIN DURING CONSTRUCTION.

SEEDING SCHEDULE

- TEMPORARY SEEDING SHALL CONSIST OF SPRING OATS APPLIED AT A RATE OF 2.0 LBS. PER 1,000 S.F. OR GRAIN RYE APPLIED AT A RATE OF 2.4 LBS. PER 1,000 S.F. TEMPORARY SEEDING SHALL BE MULCHED AND MAINTAINED UNTIL DISTURBED AREAS ARE PERMANENTLY STABILIZED WITH PERMANENT SEEDING.
- PERMANENT SEEDING SHALL CONSIST OF THE FOLLOWING MIXTURE OR APPROVED EQUAL - OPTIMUM SEEDING DATES ARE BETWEEN APRIL 15 AND NOVEMBER 1:
KENTUCKY 31 TALL FESCUE @ 2.0#/1000 S.F.
CHEWINGS FESCUE @ 1.0#/1000 S.F.
CREEPING RED FESCUE @ 1.0#/1000 S.F.
PERENNIAL RYEGRASS @ 0.5#/1000 S.F.
- PERMANENT SEEDING TO BE APPLIED BY RAKING OR DRILLING INTO THE SOILS AT A RATE 150#/ACRE. SLOPED AREA TO BE COVERED WITH MULCH AS INDICATED IN NOTE 6.
- FERTILIZER FOR THE ESTABLISHMENT OF TEMPORARY AND PERMANENT VEGETATIVE COVER SHALL BE 10-20-20 APPLIED AT A RATE OF 14#/1000 S.F. OR AS DETERMINED BY SOIL TEST. LIMESTONE FOR TEMPORARY SEEDING SHALL BE APPLIED AT A RATE OF 90#/1000 S.F. LIMESTONE FOR PERMANENT SEEDING SHALL BE APPLIED AT A RATE OF 135#/1000 S.F.
- IF SEASON PREVENTS THE ESTABLISHMENT TO TEMPORARY OR PERMANENT SEEDING, EXPOSED AREA TO BE STABILIZED WITH MULCH AS INDICATED IN NOTE 6.
- MULCH TO CONSIST OF SMALL GRAIN STRAW OR SALT HAY ANCHORED WITH WOOD AND FIBER MULCH BINDER OR AN APPROVED EQUAL. MULCH WILL BE SPREAD AT RATES OF 90 TO 115 LBS. PER 1000 S.F. AND ANCHORED WITH MULCHED ANCHORING TOOL OR LIQUID MULCH BINDER, AND SHALL BE PROVIDED ON ALL SEEDING.

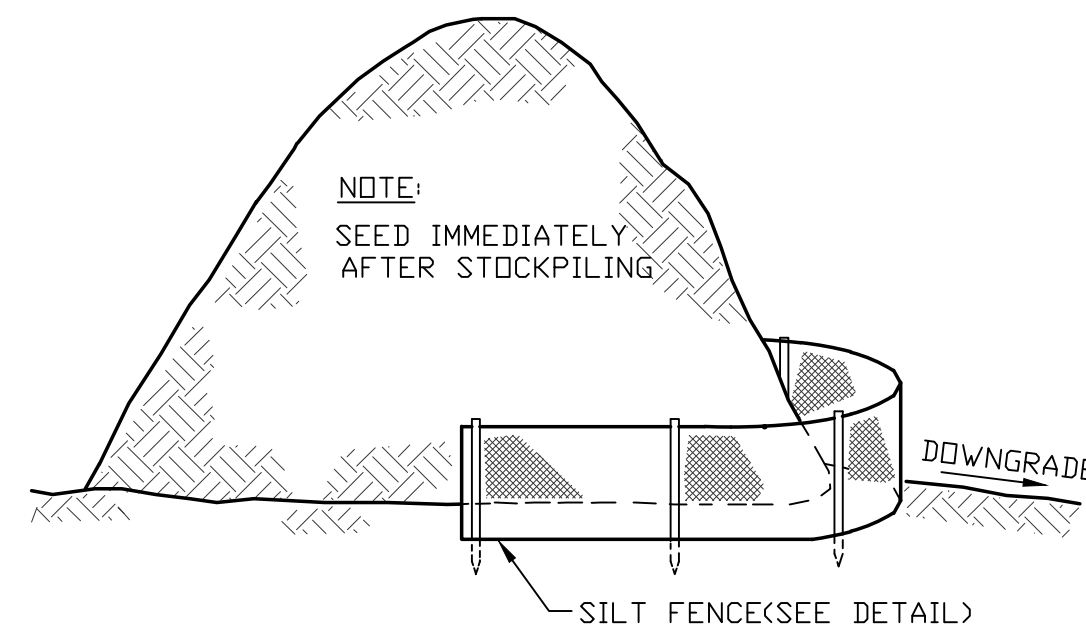


TEMPORARY SILTATION CONTROL FENCE

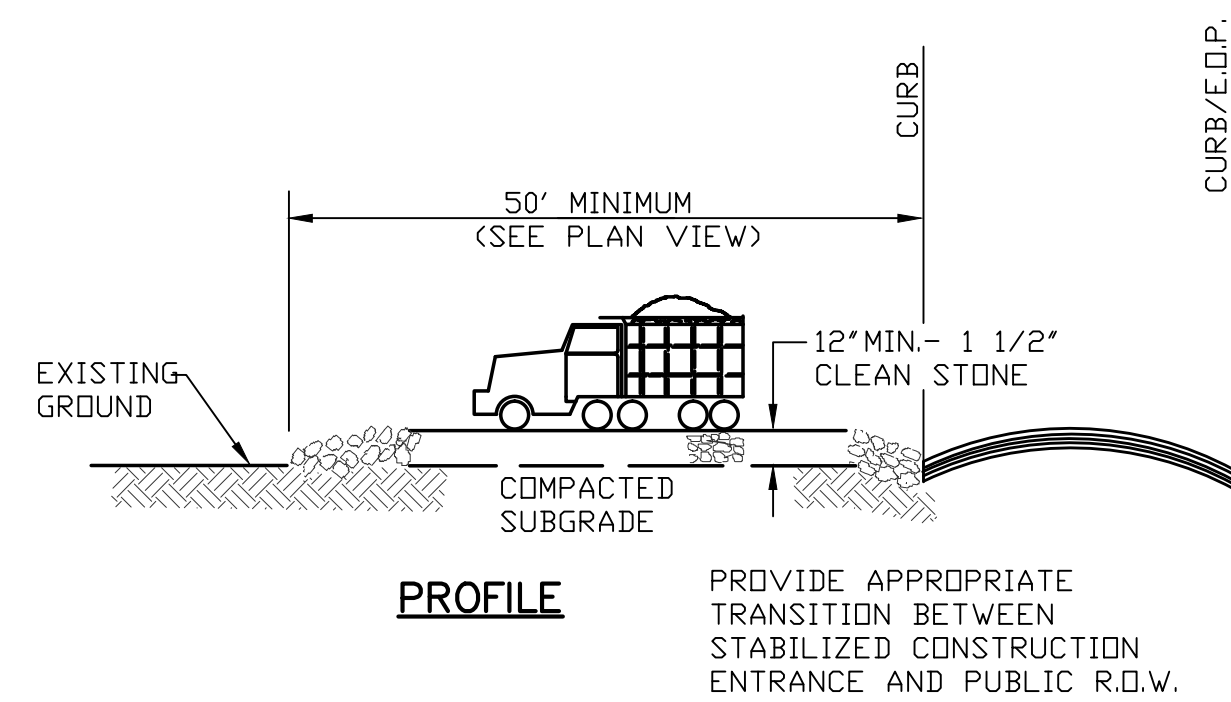


- NOTES:**
- CONTRACTOR IS TO CLEAN INLET AFTER EVERY STORM.
 - CONTRACTOR TO REMOVE STONE AND WOOD BOX JUST PRIOR TO PAVING.

INLET PROTECTION

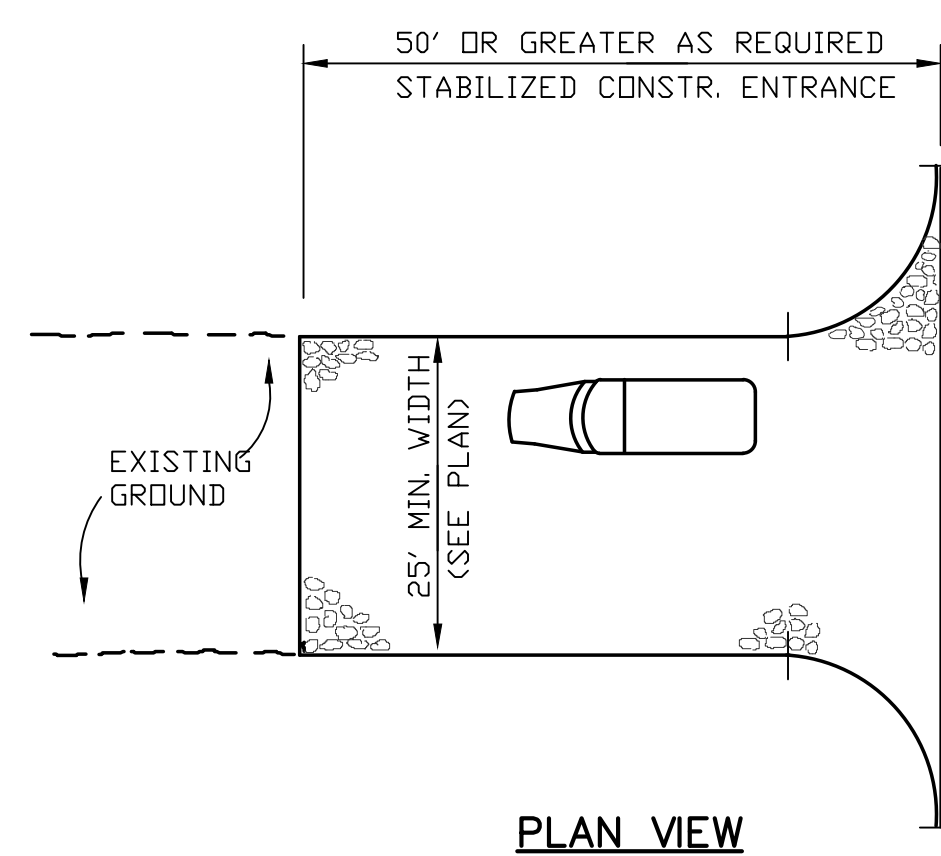


TYPICAL TOPSOIL STOCKPILE



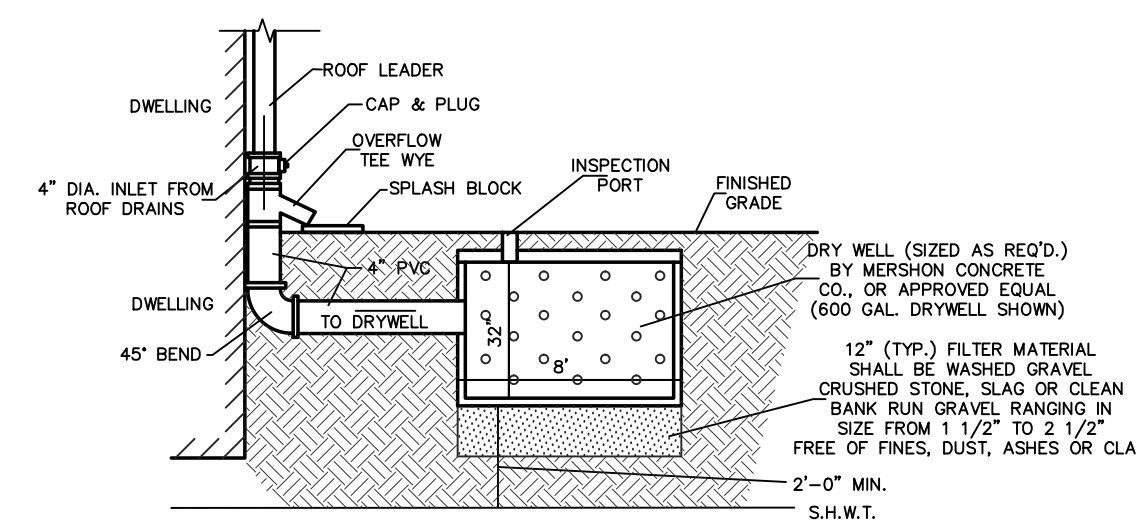
PROFILE

PROVIDE APPROPRIATE TRANSITION BETWEEN STABILIZED CONSTRUCTION ENTRANCE AND PUBLIC R.O.W.



PLAN VIEW

TEMPORARY STABILIZED CONSTRUCTION ENTRANCE



DRYWELL WITH ROOF LEADER DETAIL

N.T.S.
NOTE: DRYWELL TO BE WRAPPED IN FILTER FABRIC.

SEQUENCE OF CONSTRUCTION (PER SECTION):

| NO. | DESCRIPTION | APPROXIMATE TIME |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| 1. | INSTALLATION OF SEDIMENT FABRIC PRIOR TO ANY LAND DISTURBANCE. | 14 DAYS |
| 2. | APPLICATION OF PROPER MEASURES FOR THE CONTROL OF SOIL EROSION AND SEDIMENT CONTROL INCLUDING THE STAKING OF HAY BALE SEDIMENT BARRIER WHERE SHOWN ON THE PLANS. | 30 DAYS |
| 3. | CONSTRUCT VEHICLE WHEEL-CLEANING BLANKET WHERE CONSTRUCTION TRAFFIC ENTERS PAVED ROADWAYS. | 7 DAYS |
| 4. | SITE GRADING, CLEARING SITE, SUBGRADE ROAD AND PARKING AREAS AS SHOWN ON THE GRADING PLANS WITH APPROPRIATE EROSION CONTROL FACILITIES. | 90 DAYS |
| 5. | PROVIDE AND INSTALL TEMPORARY STABILIZATION MEASURES AS REQUIRED. | 30 DAYS |
| 6. | CONSTRUCTION OF VARIOUS DRAINAGE FACILITIES, DETENTION BASIN AND INSTALLATION OF EROSION CONTROL MEASURES FOR DRAINAGE STRUCTURES. | 60 DAYS |
| 7. | INSTALLATION OF CONCRETE CURB AND SUB-BASE COURSE AS PER PLAN. | 30 DAYS |
| 8. | MAINTENANCE OF SOIL EROSION AND SEDIMENT CONTROL. | 10 DAYS |
| 9. | REGRADE AND STABILIZATION OF LAWN AND BERM AREAS. | 30 DAYS |
| 10. | REMOVAL OF SOIL EROSION AND SEDIMENT CONTROL FACILITIES WHEN PERMANENT EROSION CONTROL MEASURES ARE ACCEPTED BY THE TOWNSHIP ENGINEER. | 10 DAYS |

BUILDING CONSTRUCTION TO TAKE PLACE BETWEEN ITEMS #4 & #10.

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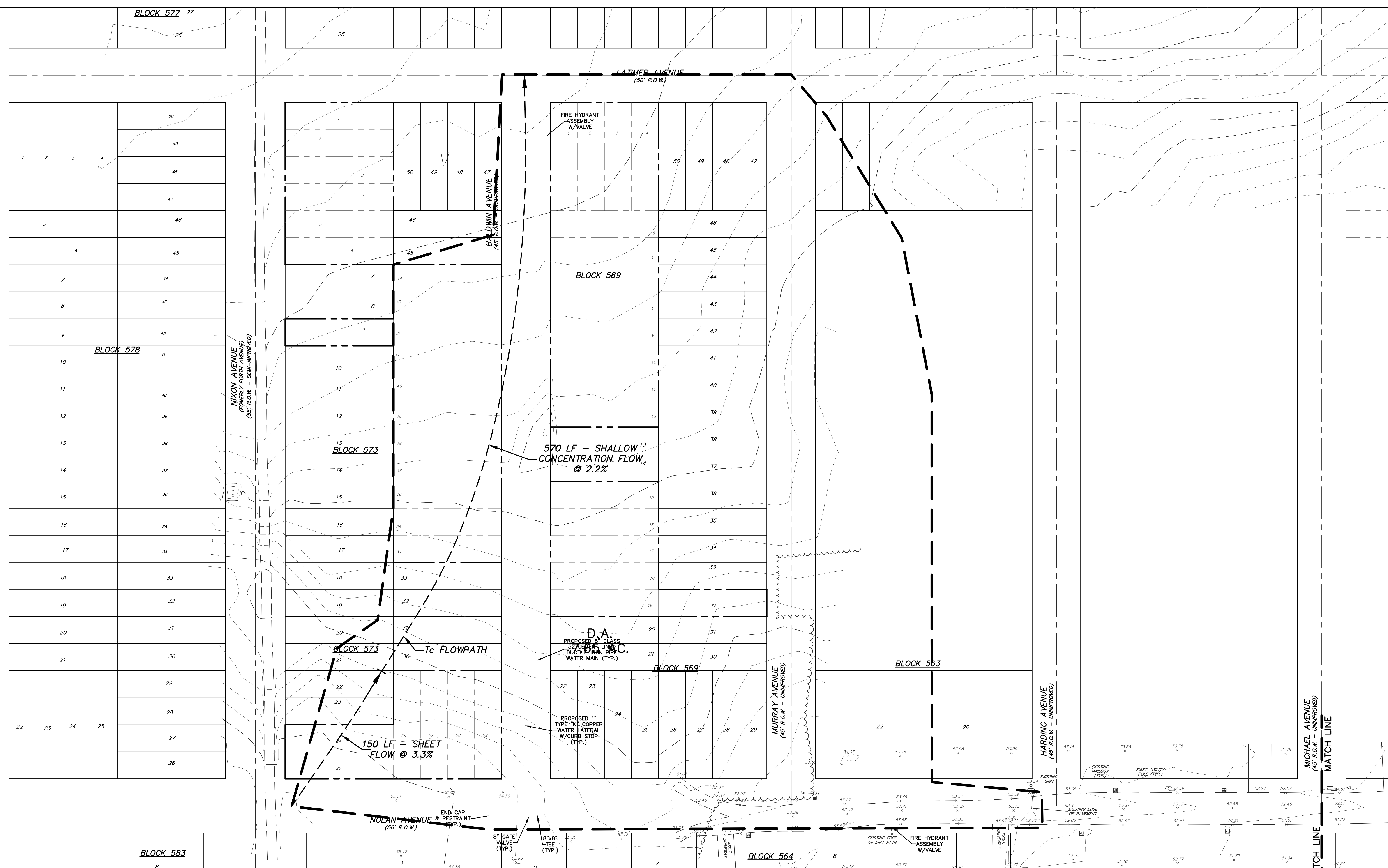
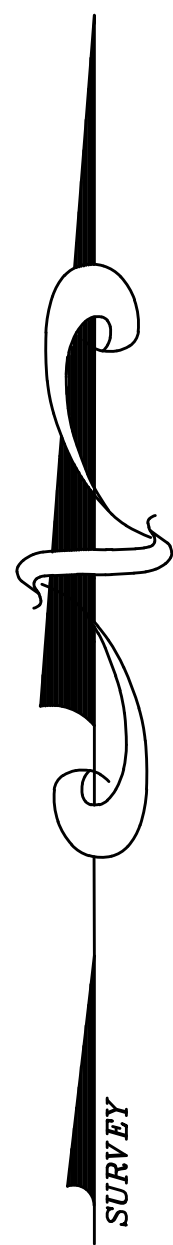
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WILLIAM A. STEVENS, P.E., P.P.
PROFESSIONAL ENGINEER NEW JERSEY LIC. #29115
PROFESSIONAL ARCHITECT NEW JERSEY LIC. #53264

ROADWAY IMPROVEMENT PLANS
SOIL EROSION CONSTRUCTION DETAILS
FOR
PINEWALD ESTATES
MISC. BLOCKS AND LOTS
BERKELEY TOWNSHIP
OCEAN COUNTY NEW JERSEY

SCALE: N.T.S. DATE: JULY 31, 2007 JOB NUMBER: 27048 SHEET 2
DRAWN BY: MCS DESIGNED BY: MCS CHECKED BY: MCS



BLOCK 577 27

BLOCK 578

BLOCK 573

BLOCK 569

BLOCK 563

BLOCK 583

BLOCK 584

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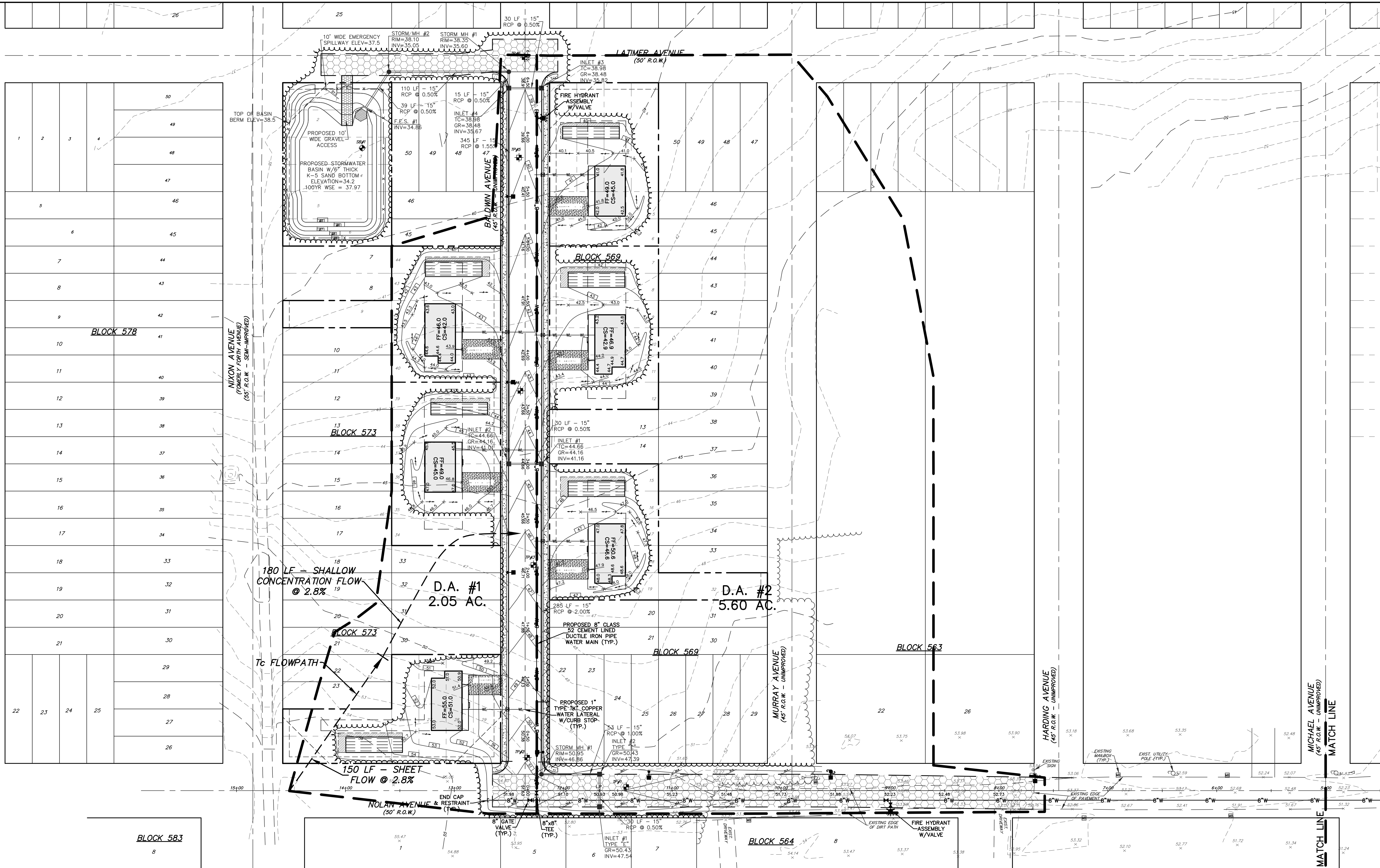
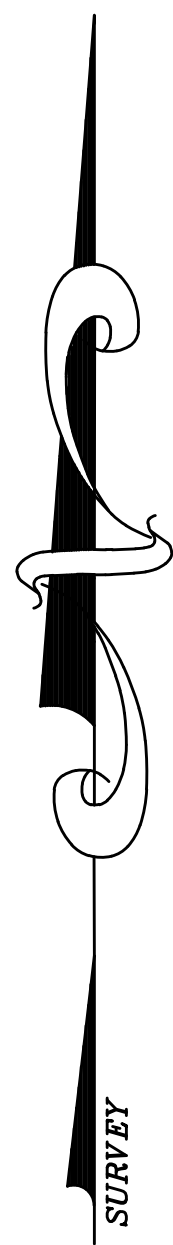
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WILLIAM A. STEVENS, P.E., P.P.
 PROFESSIONAL ENGINEER, NEW JERSEY LIC #2815
 PROFESSIONAL PLANNER, NEW JERSEY LIC #3304

ROADWAY IMPROVEMENT PLANS
PRE-DEVELOPMENT DRAINAGE AREA MAP
 FOR
PINEWALD ESTATES
 MISC. BLOCKS AND LOTS
 BERKELEY TOWNSHIP
 OCEAN COUNTY NEW JERSEY

SCALE: 1"=40' DATE: JULY 31, 2007 JOB NUMBER: 27048 SHEET 1
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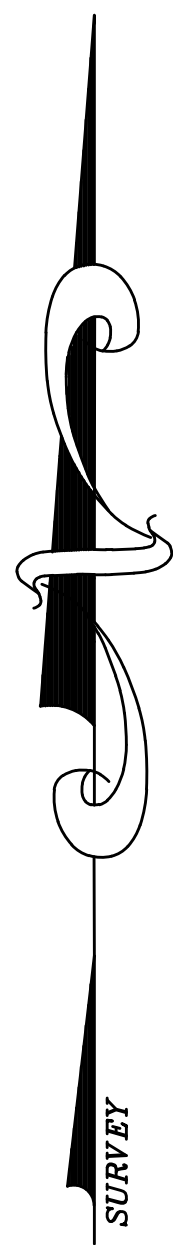
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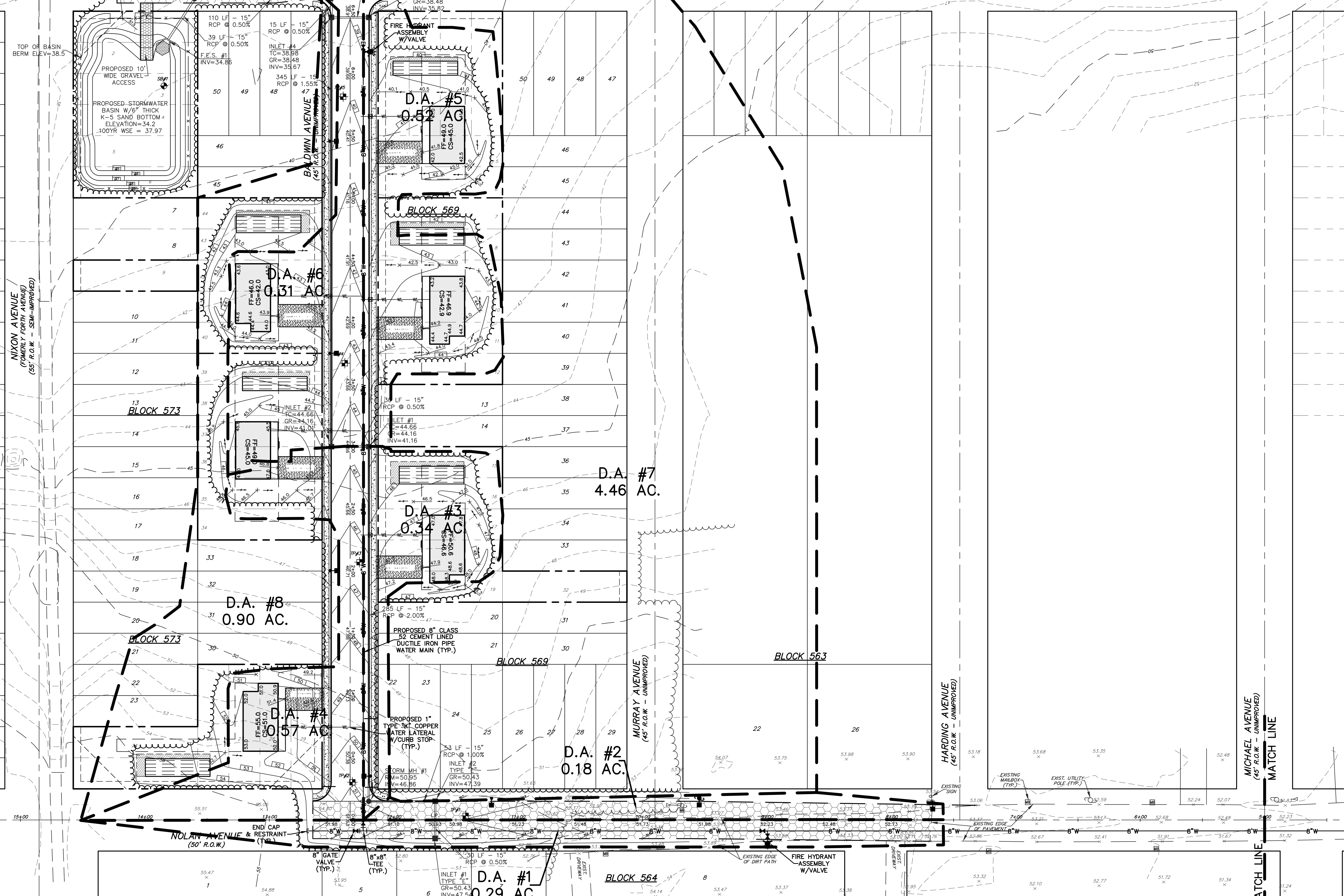
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ROADWAY IMPROVEMENT PLANS
POST-DEVELOPMENT DRAINAGE AREA MAP
FOR
PINEWALD ESTATES
MISC. BLOCKS AND LOTS
BERKELEY TOWNSHIP
OCEAN COUNTY NEW JERSEY

SCALE: 1"=40' DATE: JULY 31, 2007 JOB NUMBER: 27048 SHEET 2
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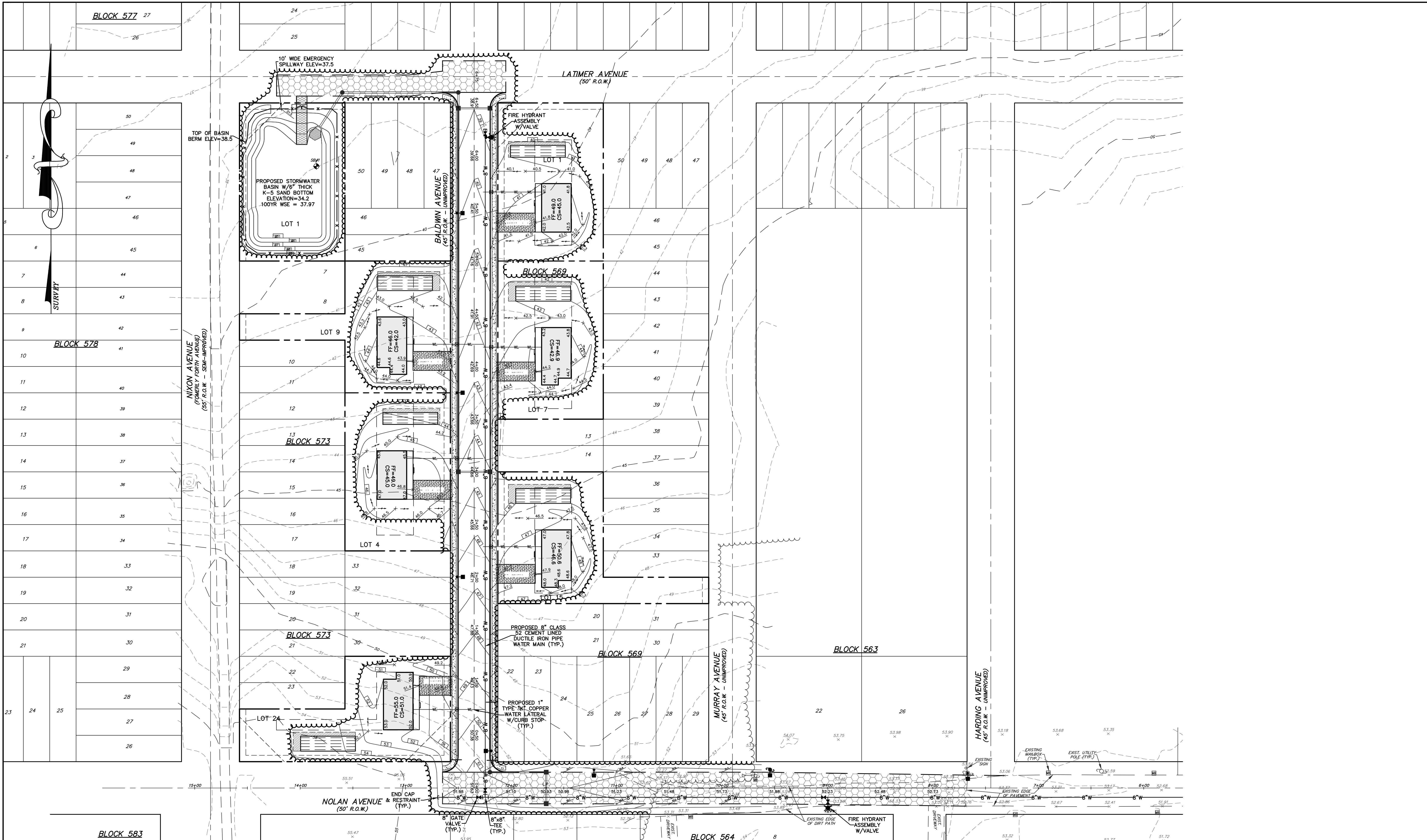
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ROADWAY IMPROVEMENT PLANS
COLLECTION SYSTEM DRAINAGE AREA MAP
FOR
PINEWALD ESTATES
MISC. BLOCKS AND LOTS
BERKELEY TOWNSHIP
OCEAN COUNTY NEW JERSEY

SCALE: 1"=40' DATE: JULY 31, 2007 JOB NUMBER: 27048 SHEET 3
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TREE CLEARING CALCULATIONS:

| LOT: | REAR & SIDE YARD TOTAL (SQ.FT.) | MAXIMUM CLEARING ALLOWED (SQ.FT.) | PROPOSED CLEARING (SQ.FT.) |
|--------|---------------------------------|-----------------------------------|----------------------------|
| LOT 1 | 3975 | 1988 | 1995 |
| LOT 7 | 5375 | 2687 | 3517 |
| LOT 15 | 4625 | 2312 | 2475 |
| LOT 9 | 4625 | 2312 | 2341 |
| LOT 24 | 2975 | 1487 | 1600 |
| LOT 34 | 5375 | 2687 | 3178 |

- NOTES**
- NO TOPSOIL SHALL BE REMOVED FROM THE AREAS INTENDED FOR LAWN OR OPEN SPACE UNLESS SAME IS REQUIRED TO PROVIDE MINIMUM GRADING. TOPSOIL MOVED DURING THE COURSE OF CONSTRUCTION SHALL BE REDISTRIBUTED WITHIN THE SITE SO AS TO PROVIDE AT LEAST 4" COVER TO ALL AREAS OF THE SITE AND SHALL BE STABILIZED BY SEEDING OR PLANTING.
 - NO MATERIALS SHALL BE TEMPORARILY DEPOSITED OR STORED WITHIN SIX FEET OF ANY TREES OR SHRUBS DESIGNATED TO REMAIN.
 - EXISTING TREES TO BE REMOVED SHALL BE DONE SO IN ACCORDANCE WITH TREE REMOVAL PERMITS.
 - NO MORE THAN 50% OF THE AREA WITHIN THE SIDE AND REAR YARD SETBACKS MAY BE CLEARED.



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ROADWAY IMPROVEMENT PLANS
TREE REMOVAL PLAN
 FOR
PINEWALD ESTATES
 MISC. BLOCKS AND LOTS
 BERKELEY TOWNSHIP
 OCEAN COUNTY NEW JERSEY

SCALE: 1"=40' DATE: JULY 31, 2007 JOB NUMBER: 27048 SHEET 1

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