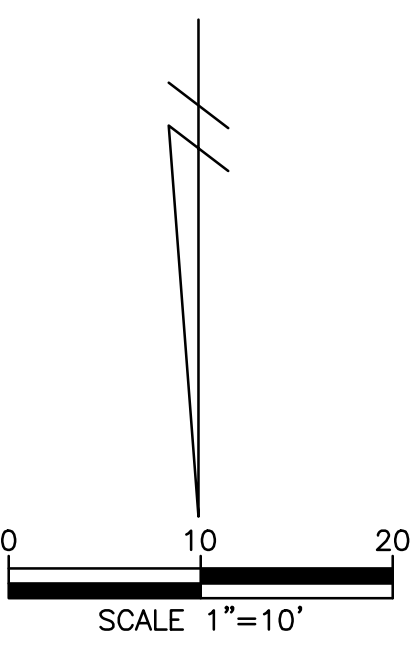
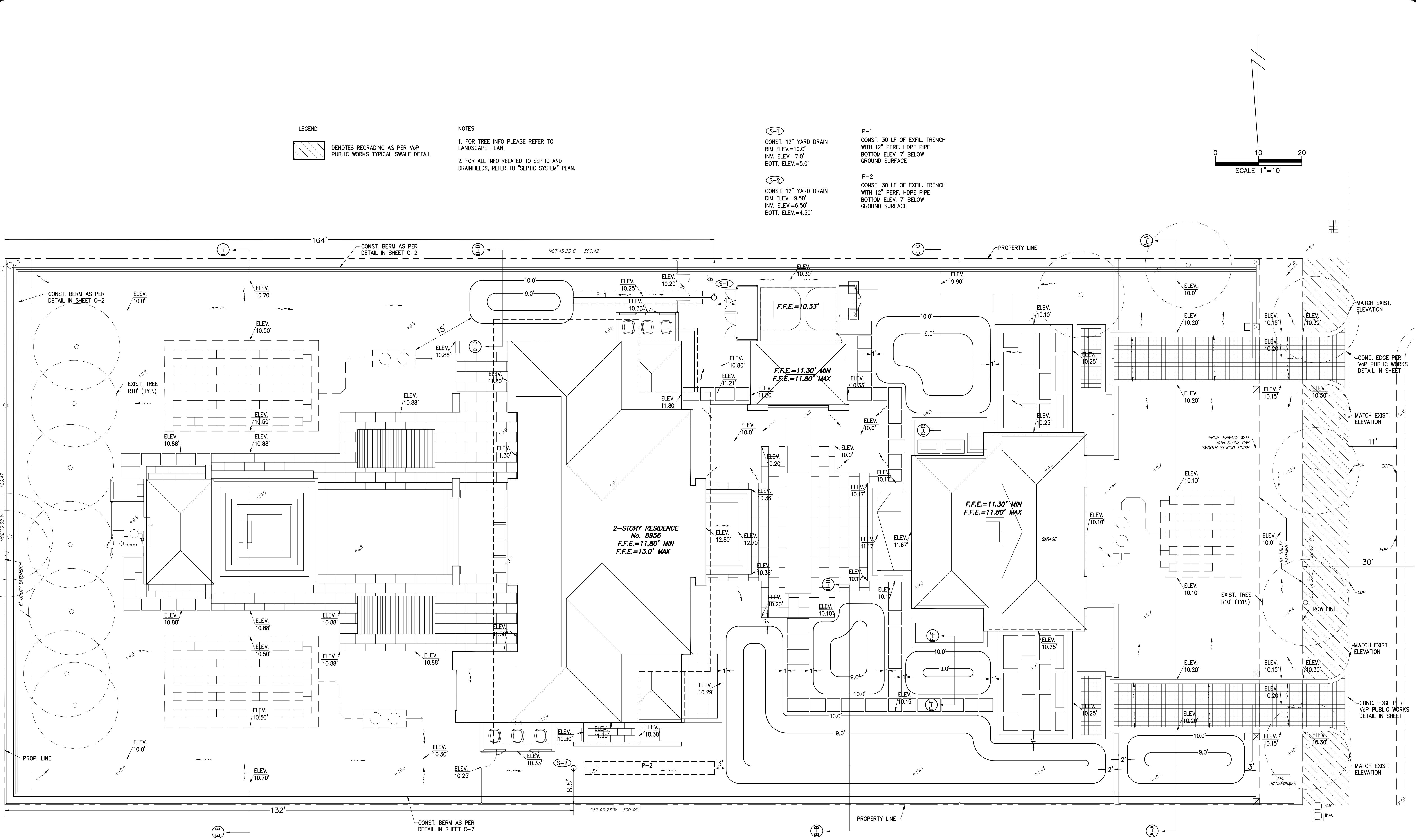




LEGEND

 DENOTES REGRADING AS PER V&P
PUBLIC WORKS TYPICAL SWALE DETAIL

NOTES:

1. FOR TREE INFO PLEASE REFER TO LANDSCAPE PLAN.
2. FOR ALL INFO RELATED TO SEPTIC AND DRAINFIELDS, REFER TO "SEPTIC SYSTEM" PLAN.

S-1

CONST. 12" YARD DRAIN
RIM ELEV.=10.0'
INV. ELEV.=7.0'
BOTT. ELEV.=5.0'

S-2

CONST. 12" YARD DRAIN
RIM ELEV.=9.50'
INV. ELEV.=6.50'
BOTT. ELEV.=4.50'

P-1

CONST. 30 LF OF EXFIL. TRENCH
WITH 12" PERF. HDPE PIPE
BOTTOM ELEV. 7' BELOW
GROUND SURFACE

P-2

CONST. 30 LF OF EXFIL. TRENCH
WITH 12" PERF. HDPE PIPE
BOTTOM ELEV. 7' BELOW
GROUND SURFACE

SWIMMING POOL IS UNDER SEPARATE PERMIT

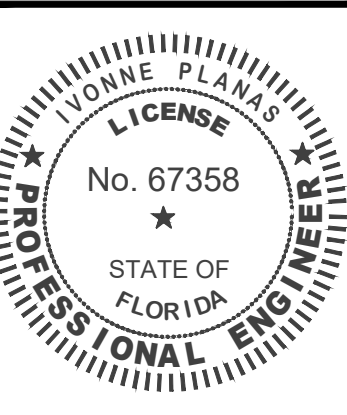
Ivonne Planas Digitally signed
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8965 SW 63 CT
PINECREST, FL 33156
GRADING AND DRAINAGE PLAN



IVONNE PLANAS, P.E.
FL. LICENSE 67358

DATE 09-03-2025

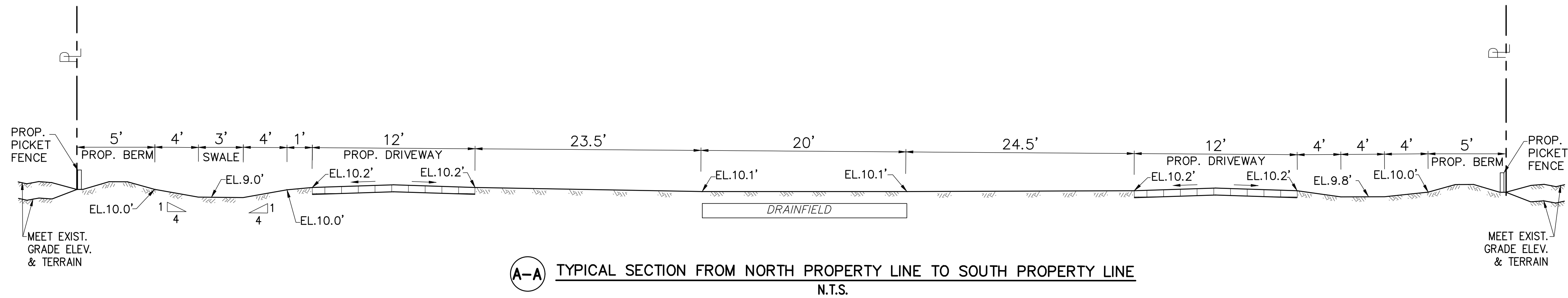
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DRAWN I.P.

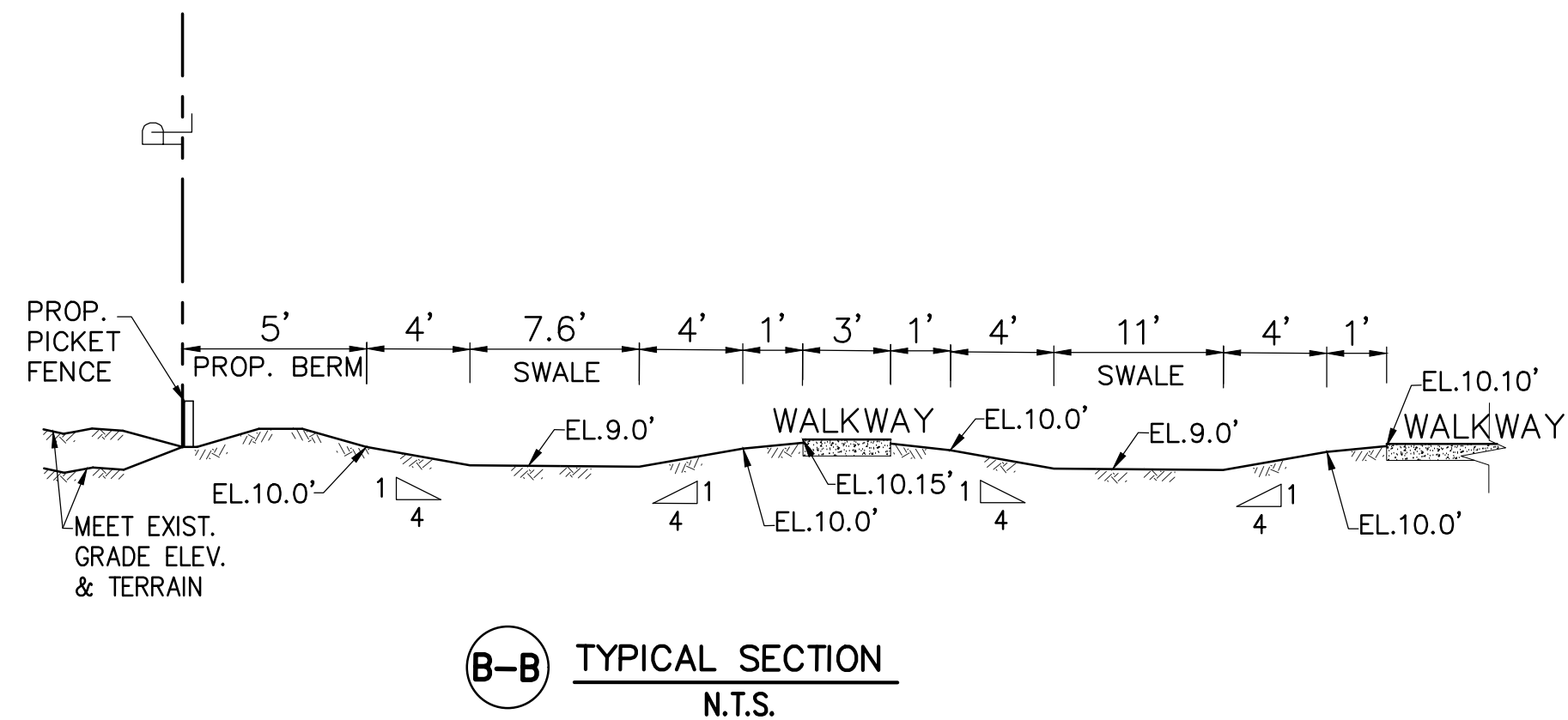
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PROJECT FOR WHICH THEY ARE
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ENGINEERING SOLUTIONS, INC.

SHEET No. 1 of 5

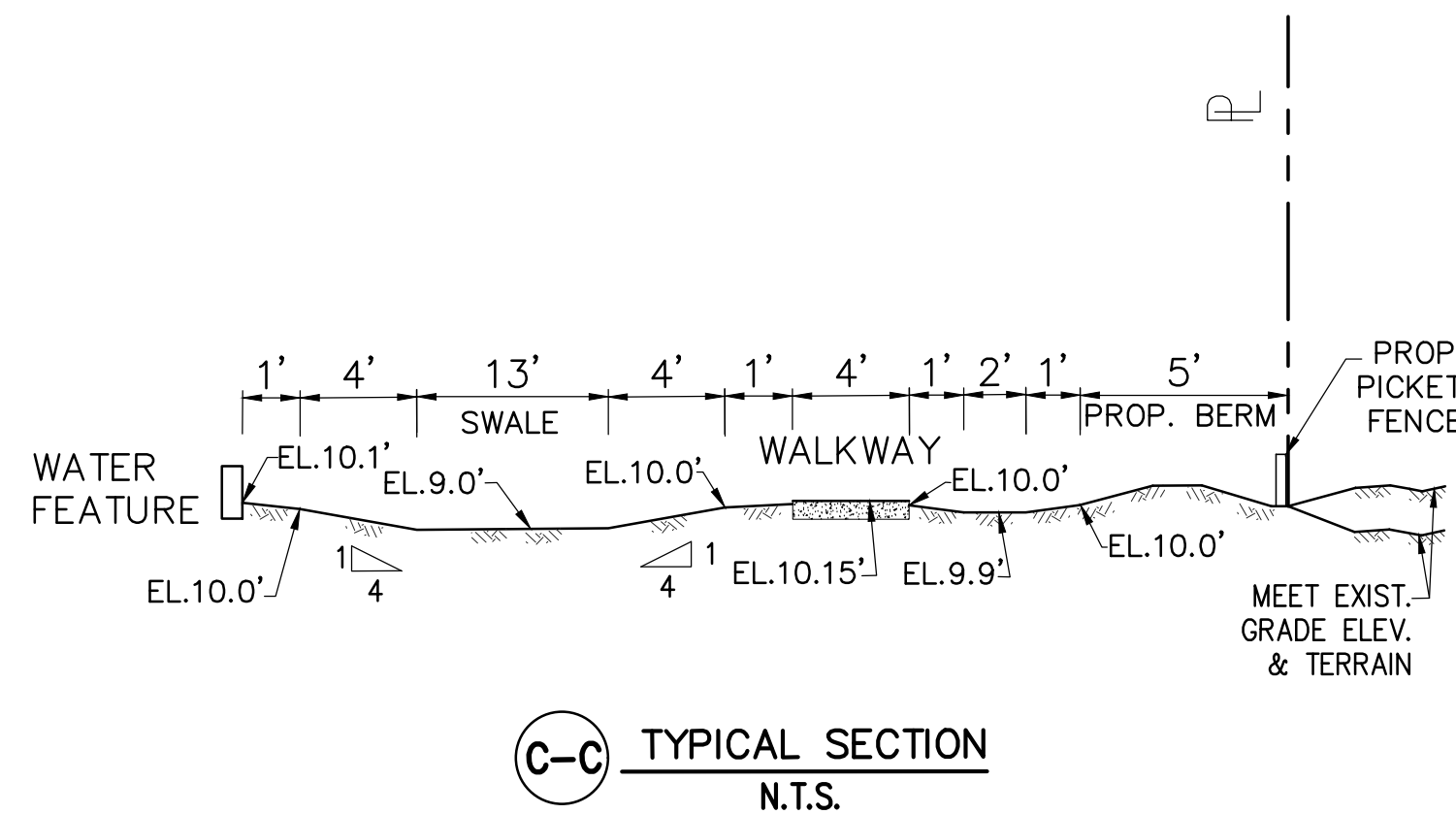
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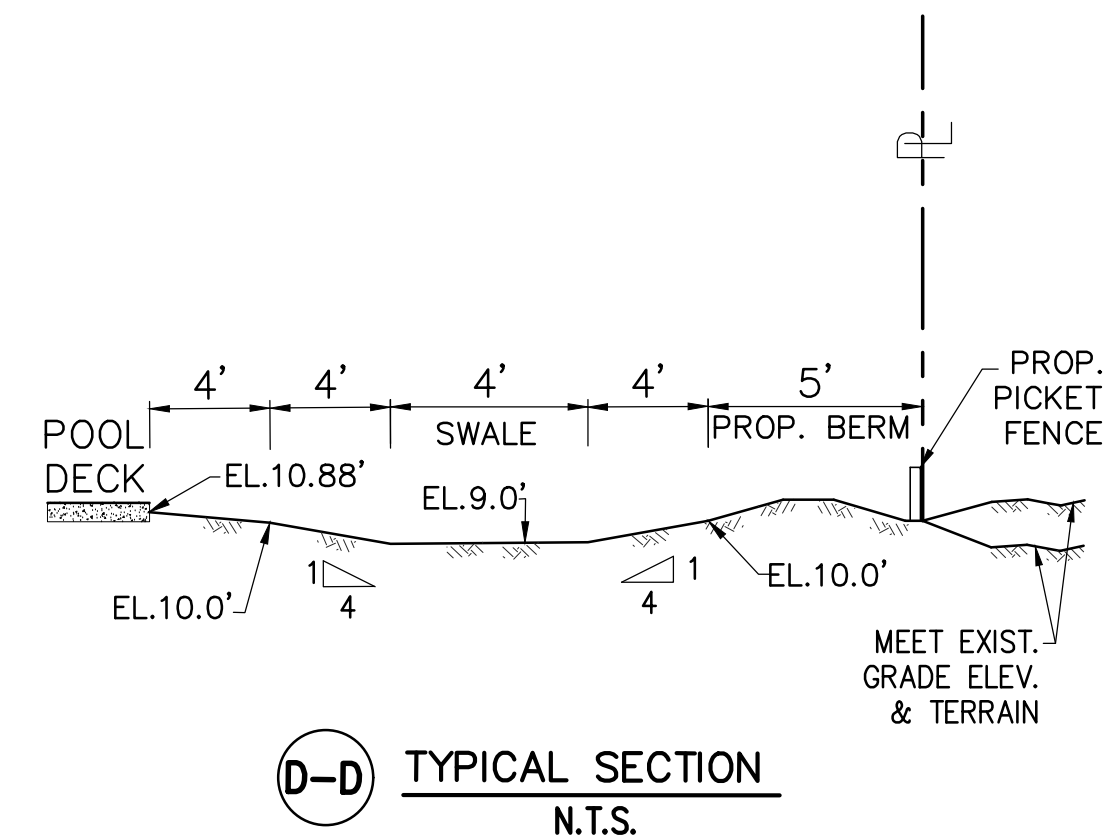
A-A TYPICAL SECTION FROM NORTH PROPERTY LINE TO SOUTH PROPERTY LINE
N.T.S.



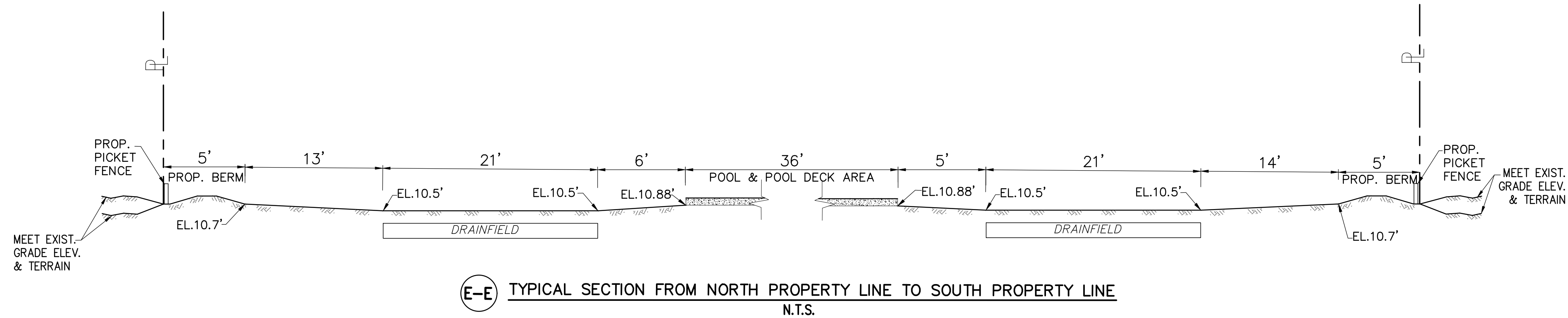
B-B TYPICAL SECTION
N.T.S.



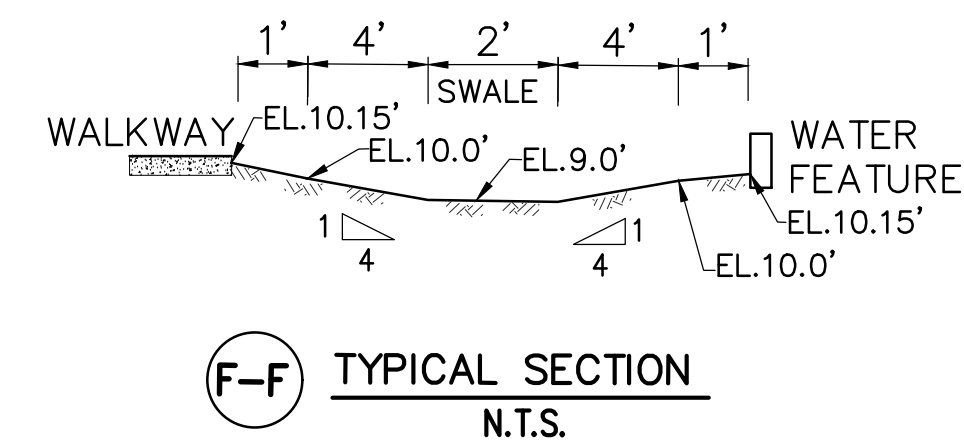
C-C TYPICAL SECTION
N.T.S.



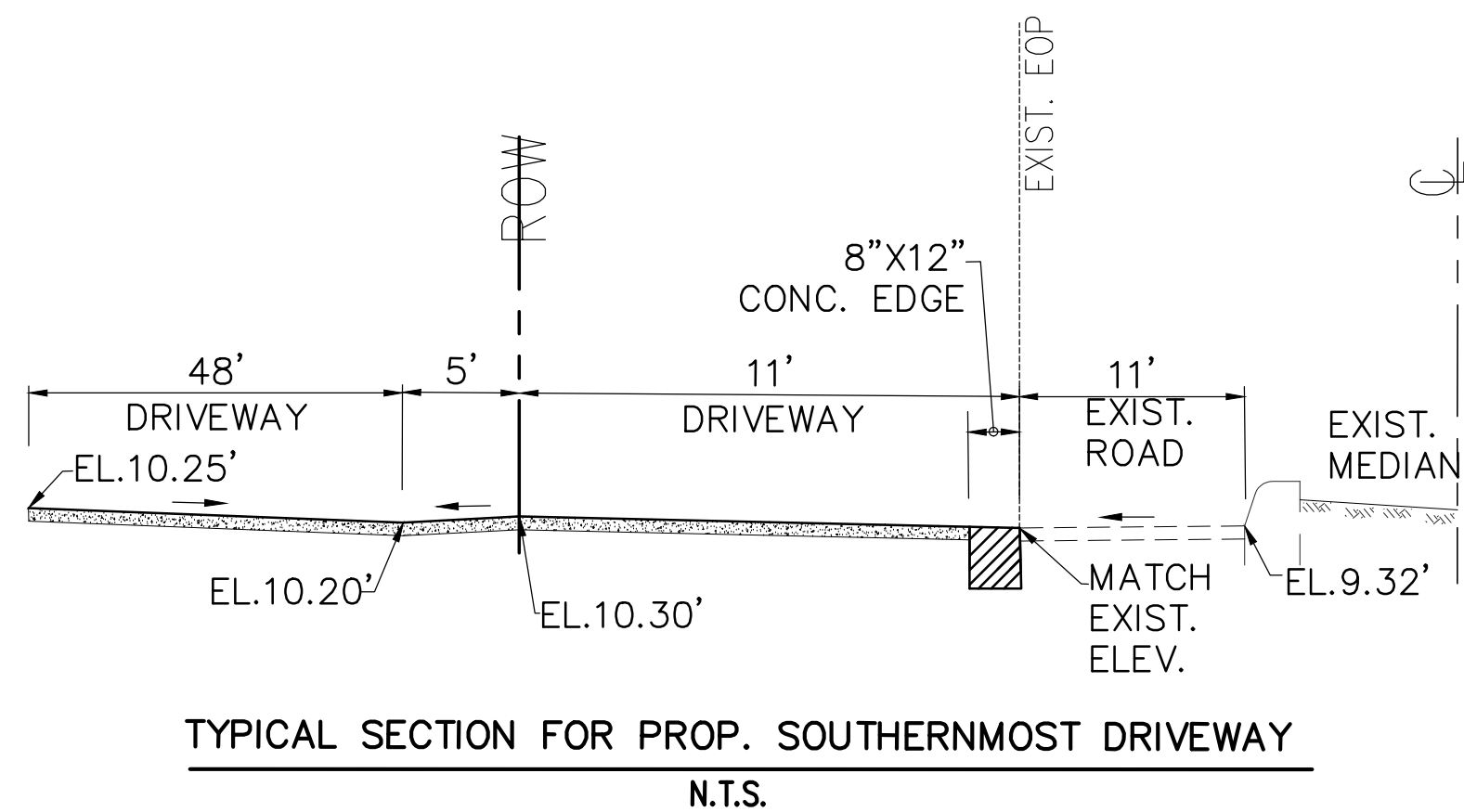
D-D TYPICAL SECTION
N.T.S.



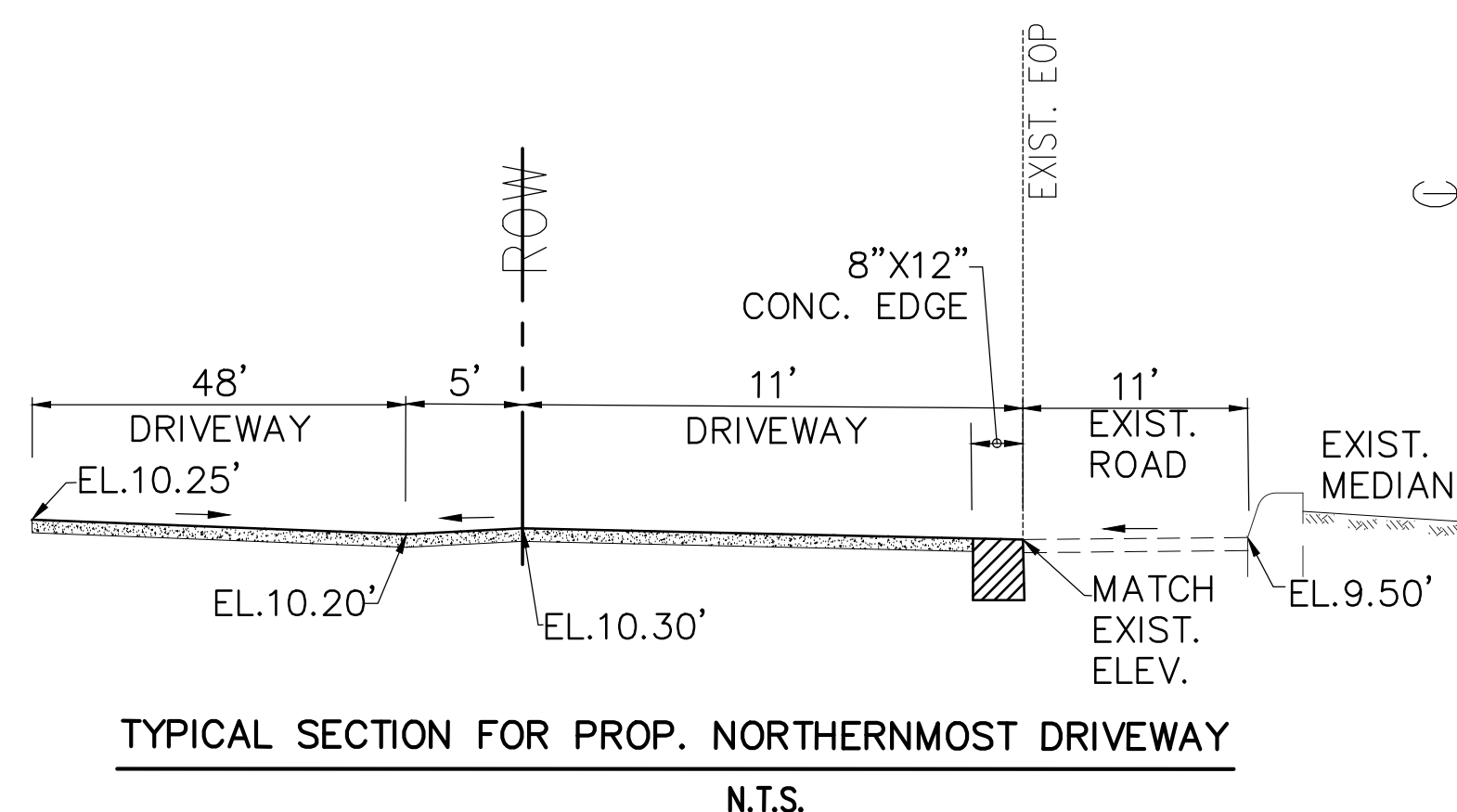
E-E TYPICAL SECTION FROM NORTH PROPERTY LINE TO SOUTH PROPERTY LINE
N.T.S.



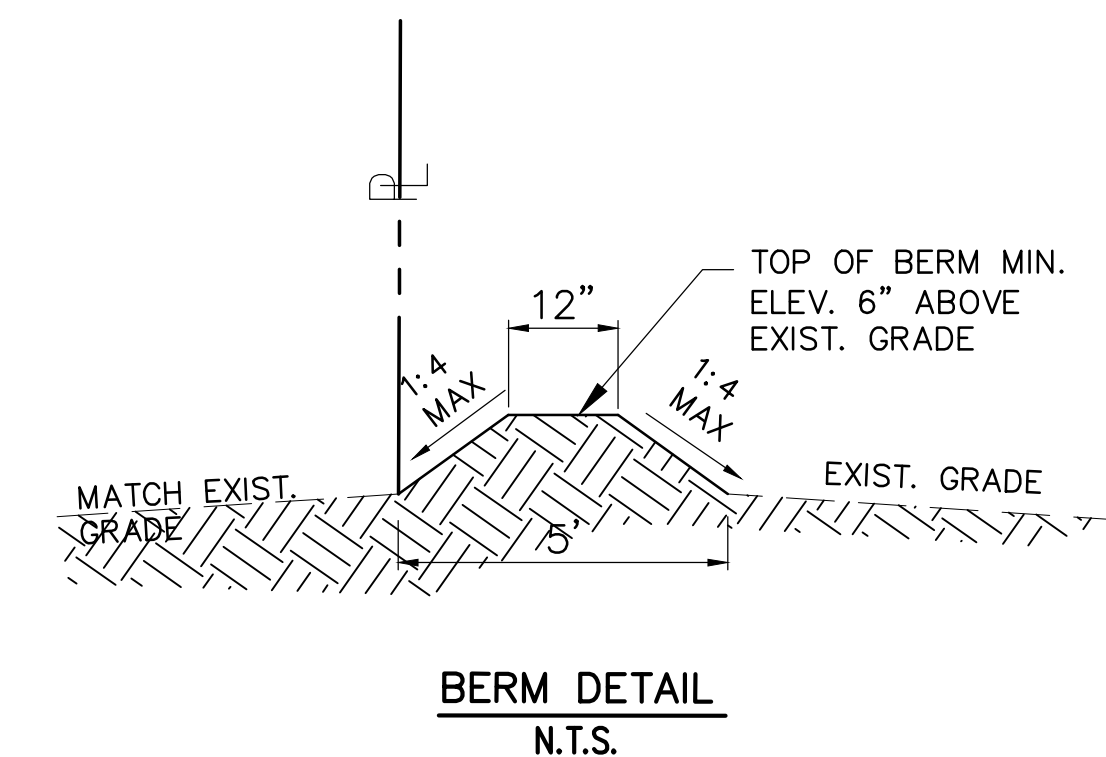
F-F TYPICAL SECTION
N.T.S.



TYPICAL SECTION FOR PROP. SOUTHERNMOST DRIVEWAY
N.T.S.



TYPICAL SECTION FOR PROP. NORTHERNMOST DRIVEWAY
N.T.S.



BERM NOTES

1. BERM TO BE BUILT OF SUITABLE FILL MATERIAL. NO MUCK OR OPEN GRADE SILICA.
2. BERM TO BE COMPACTED AT 92% DENSITY AND SODDED OR STABILIZED IN AN APPROVED METHOD TO PREVENT EROSION.

Ivonne
Planas

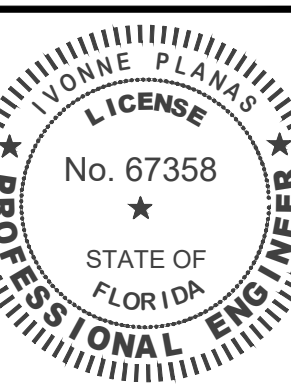
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CROSS SECTIONS



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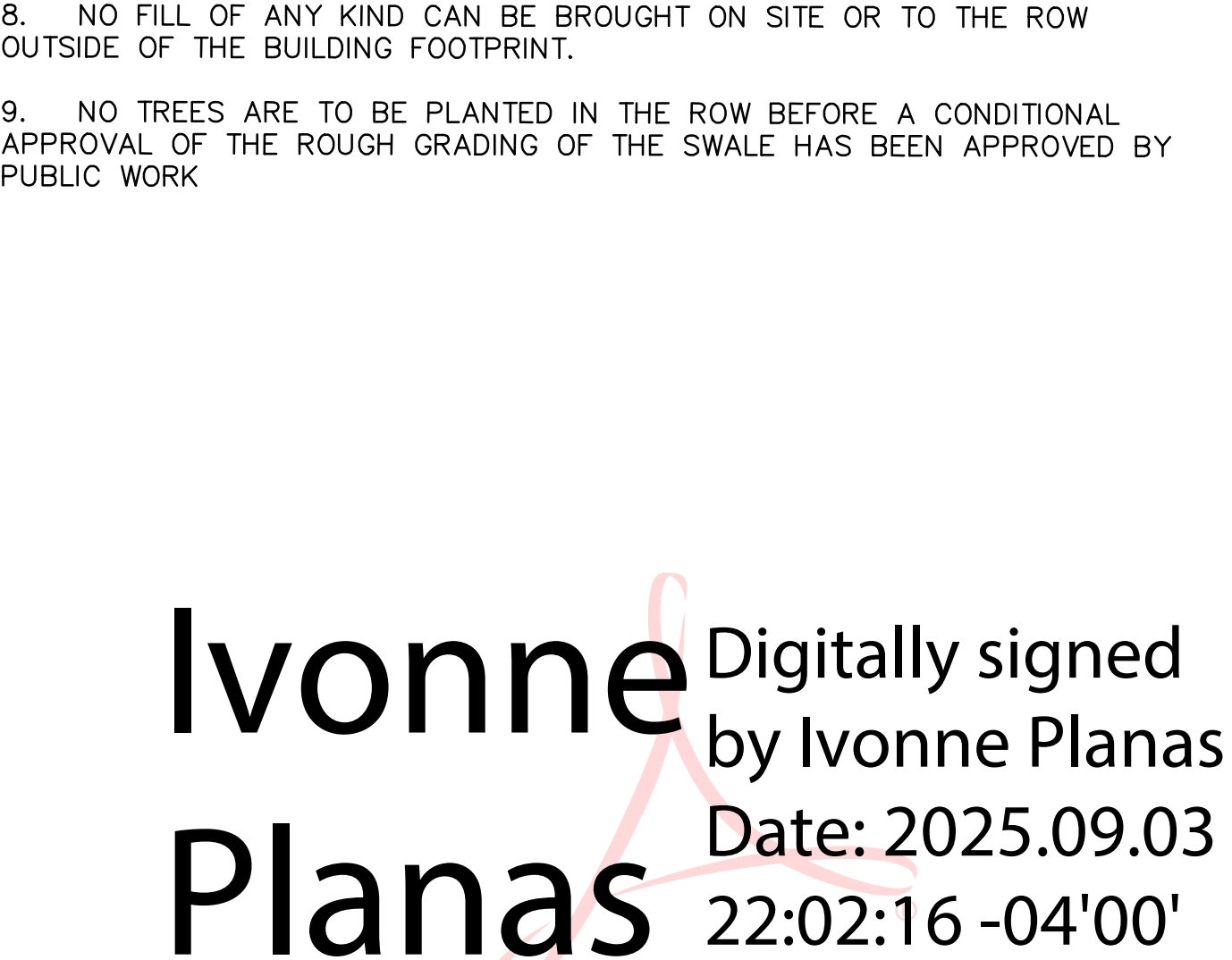
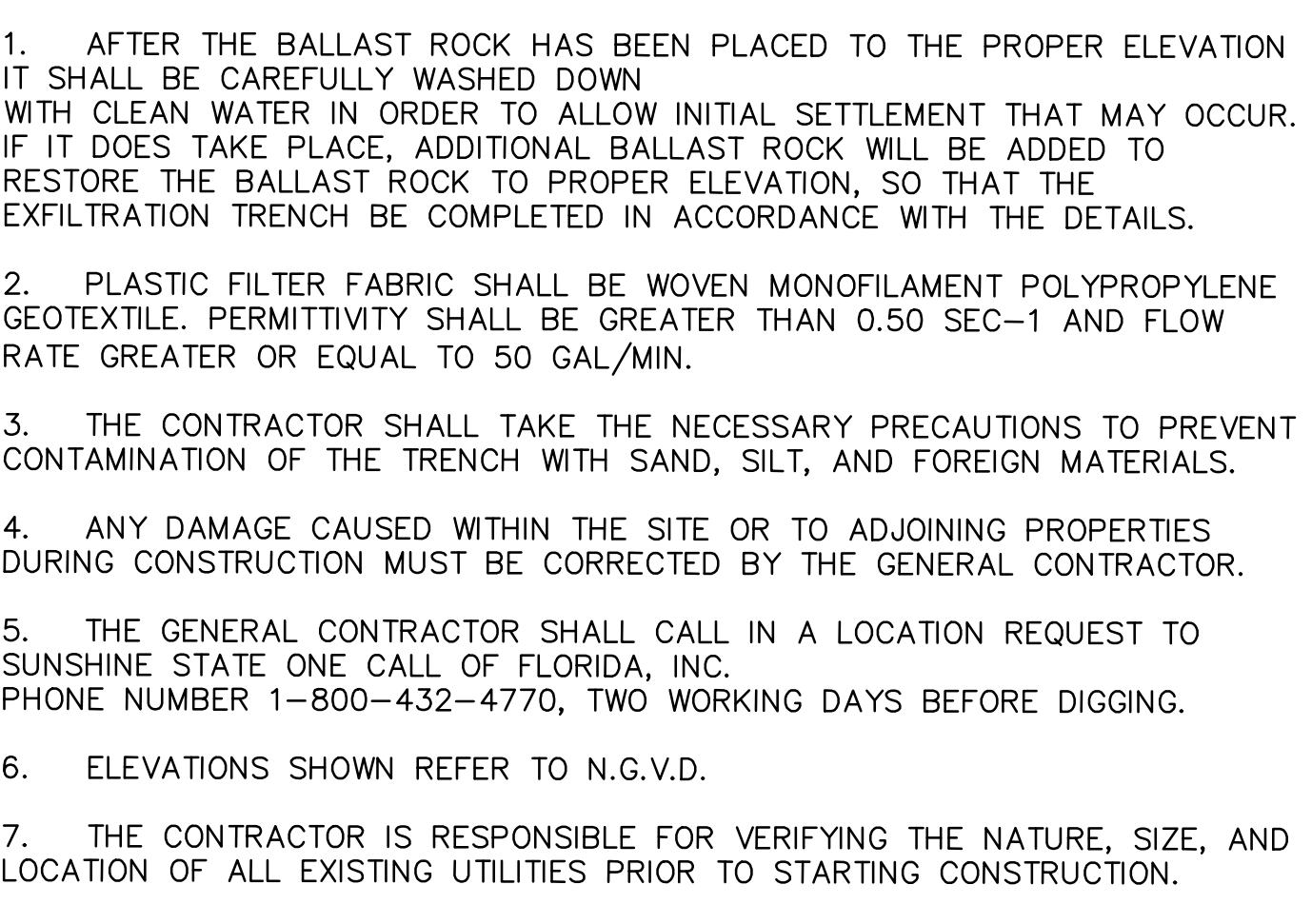
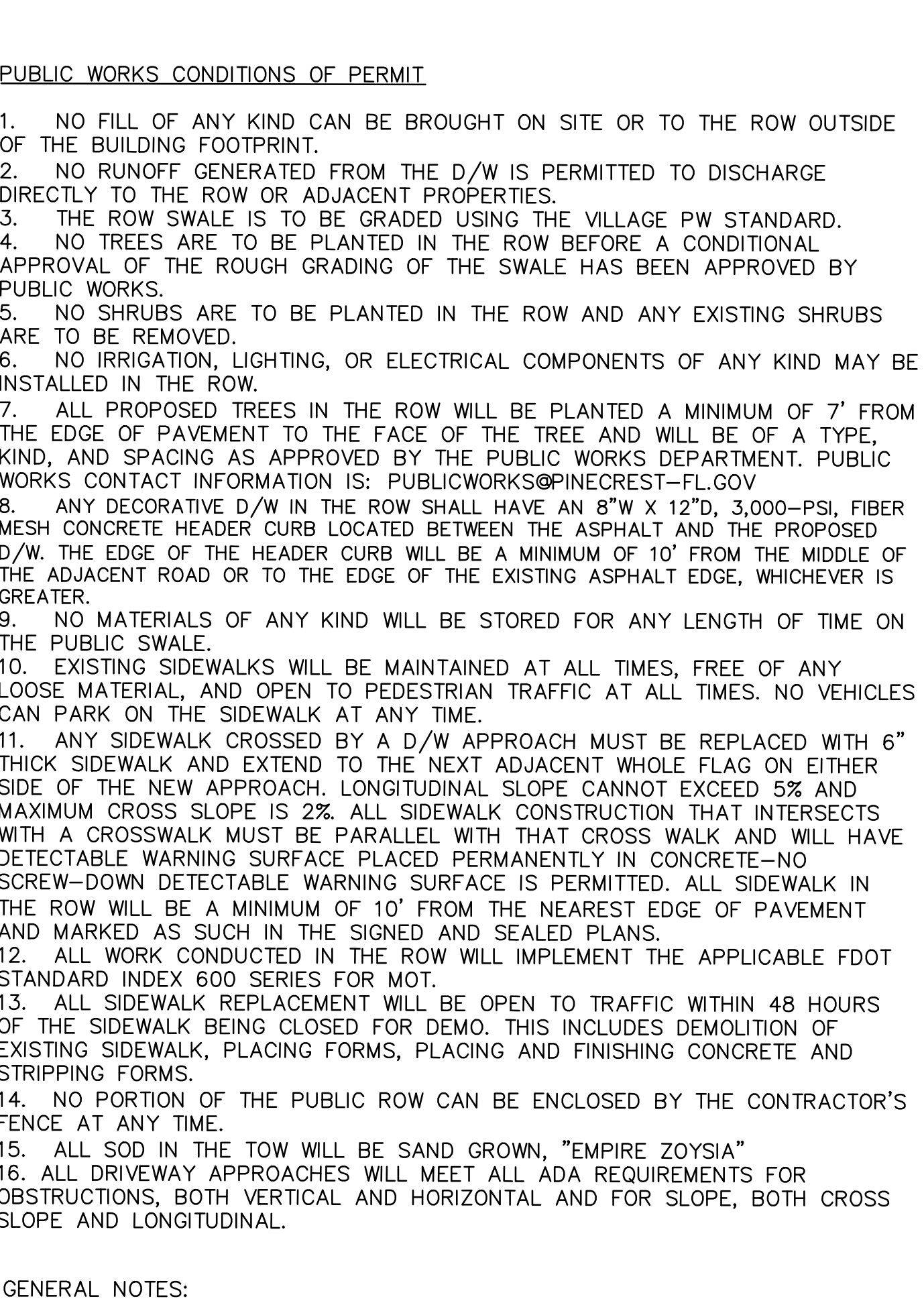
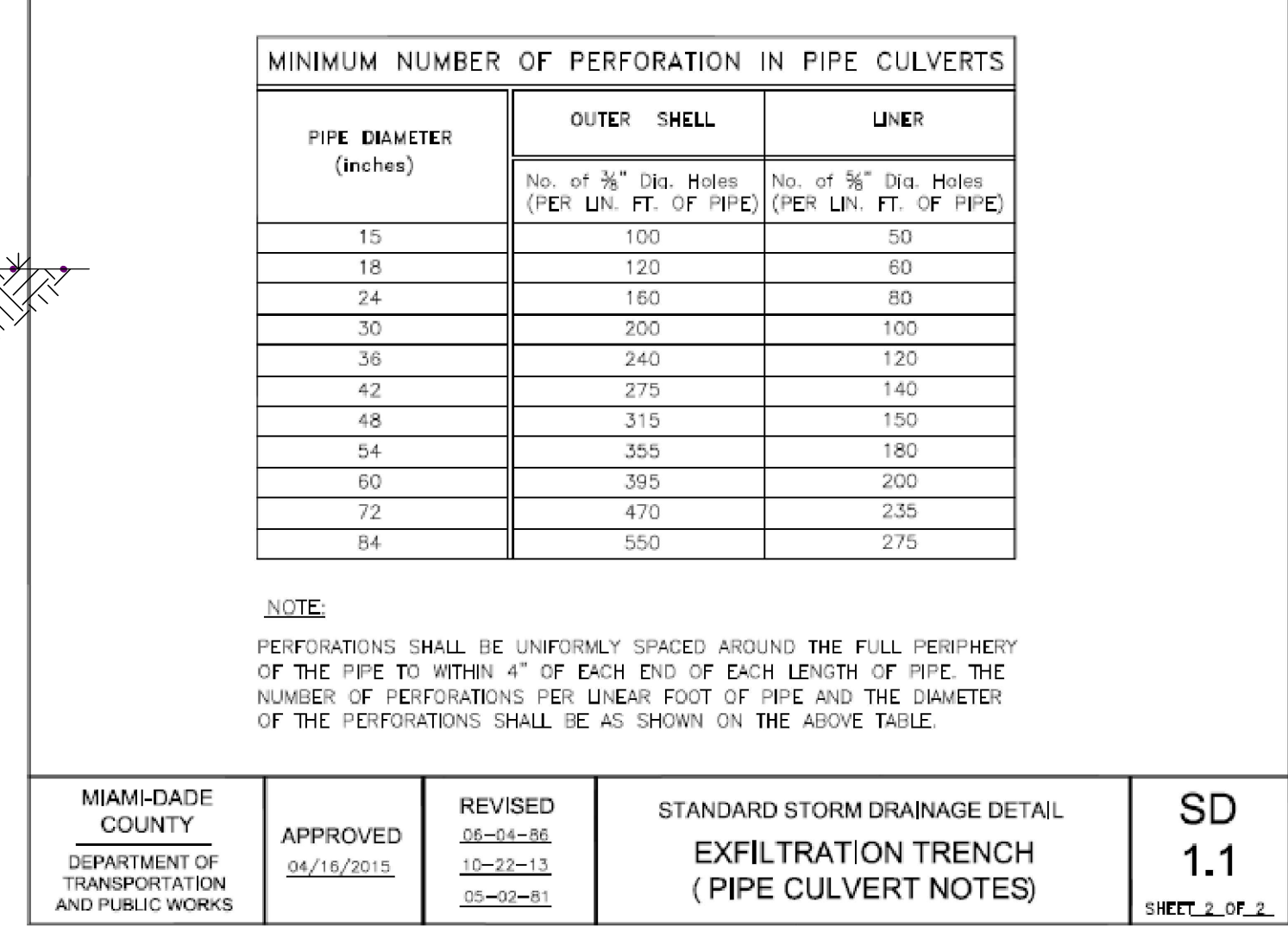
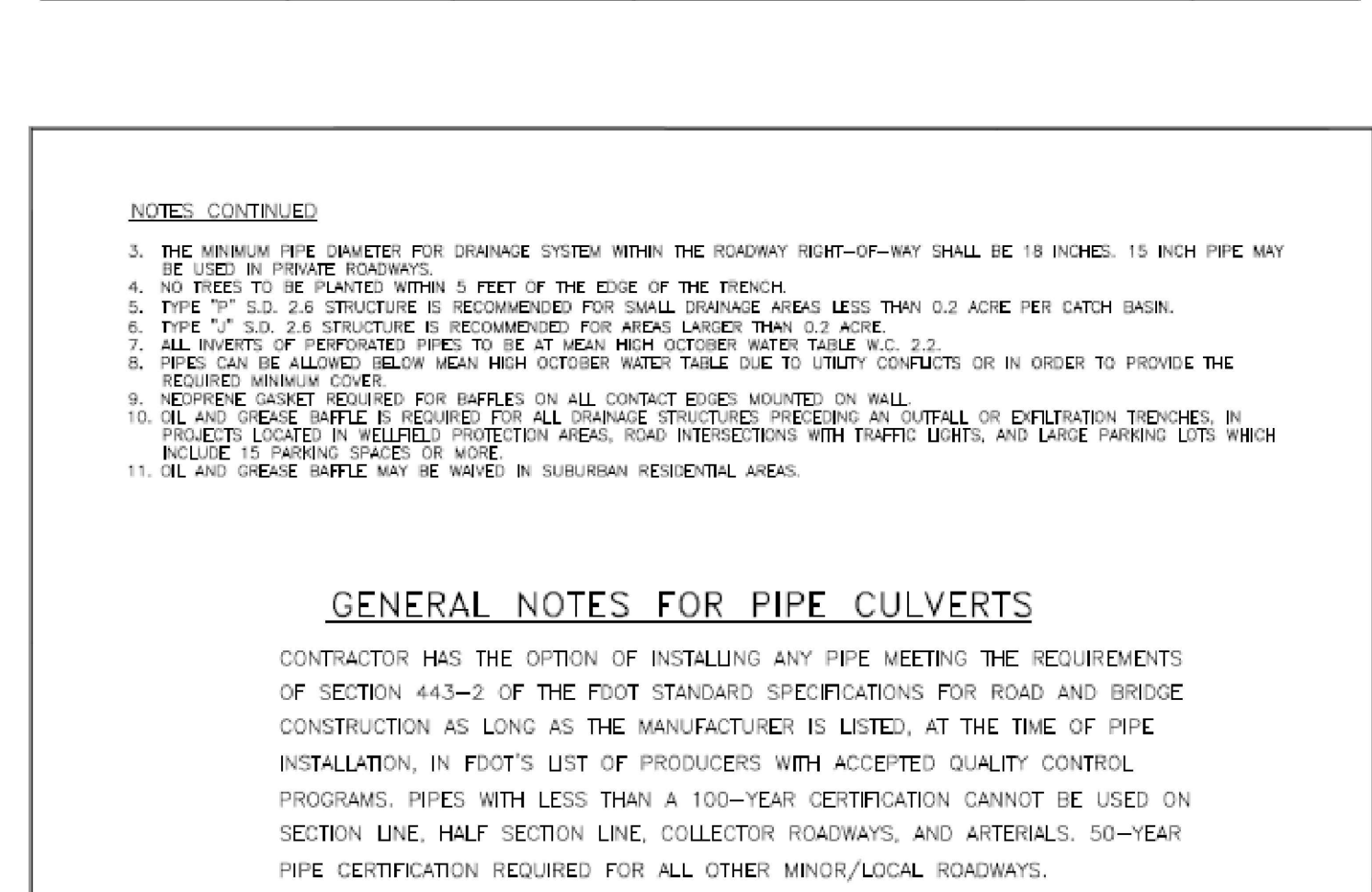
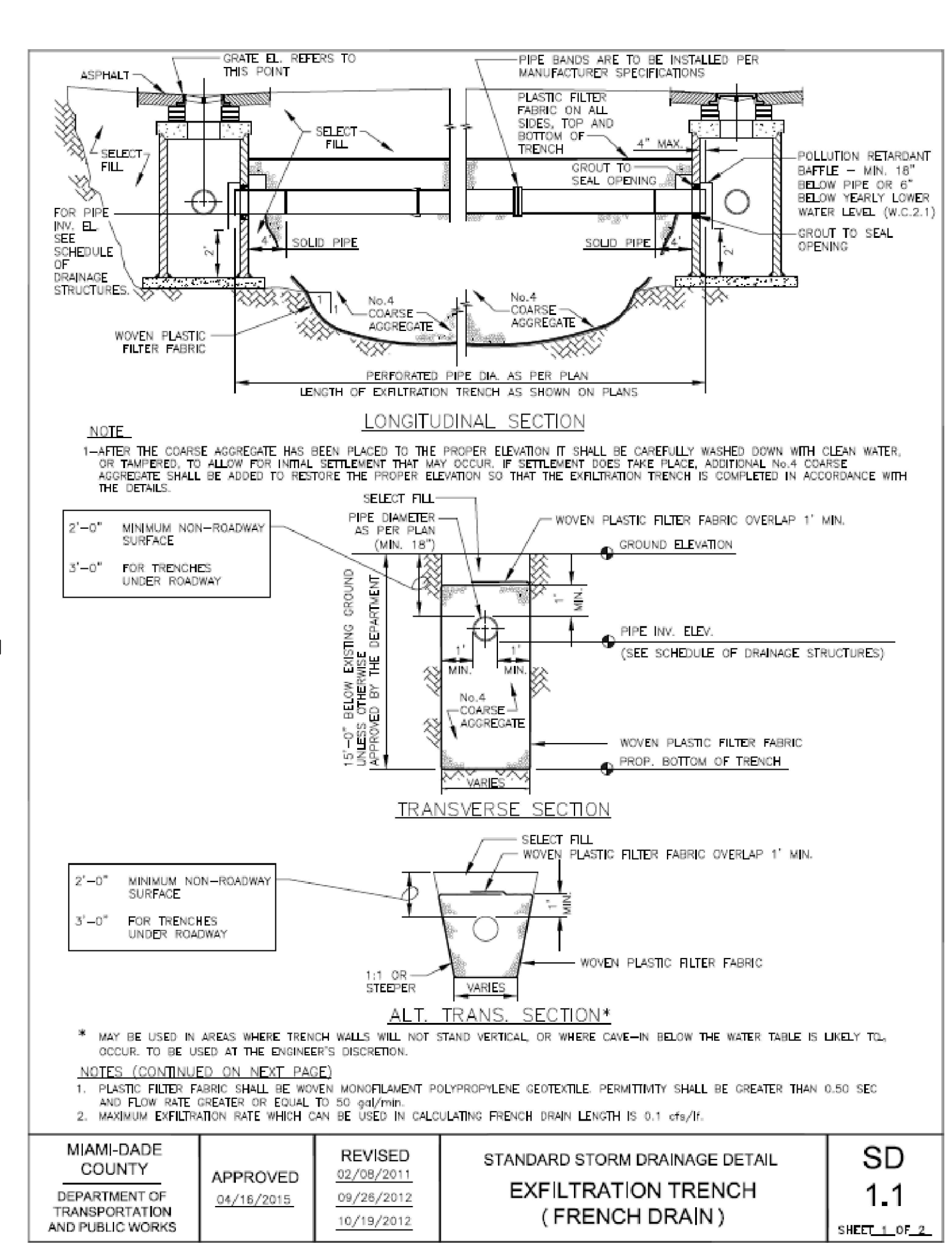
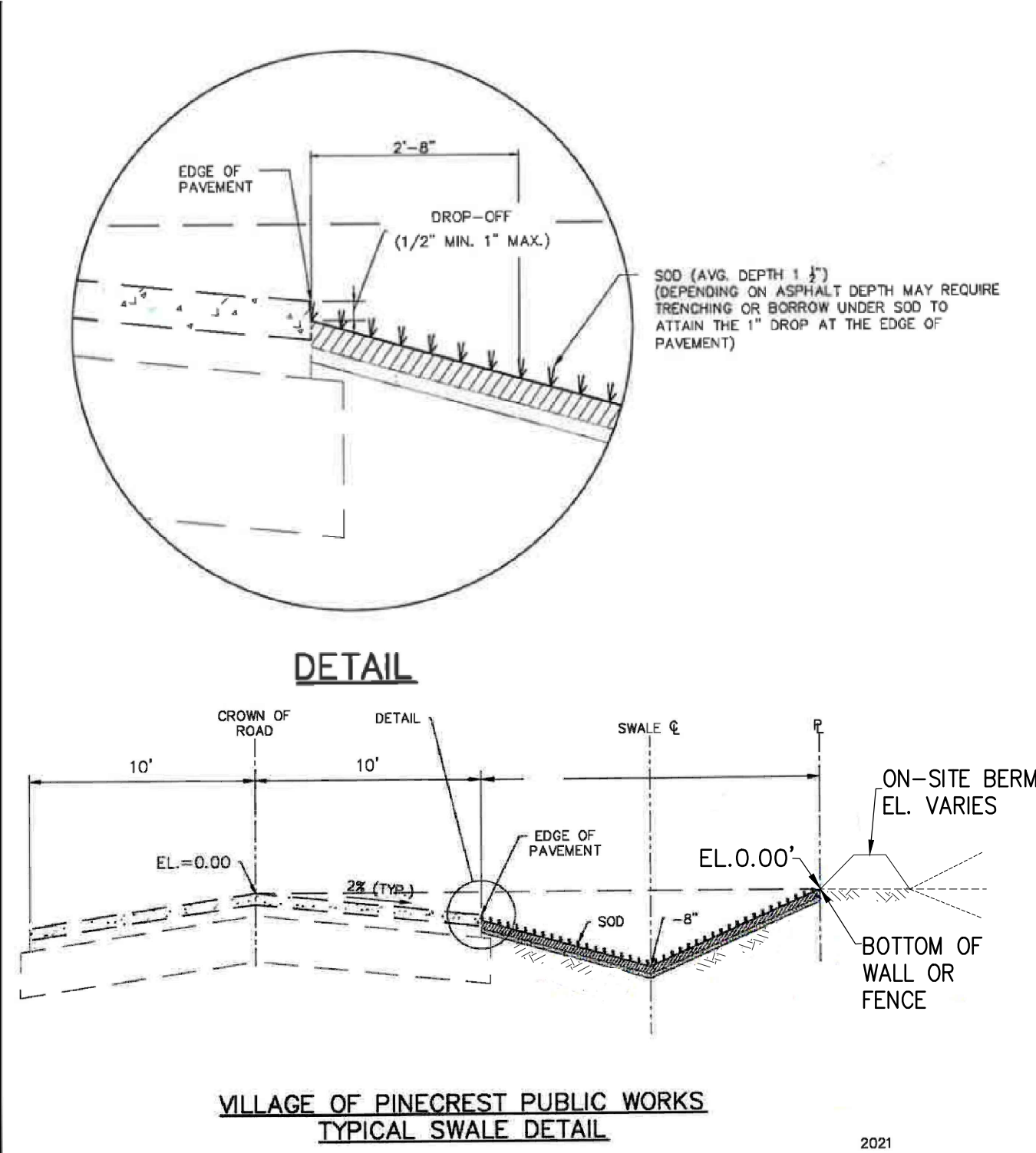
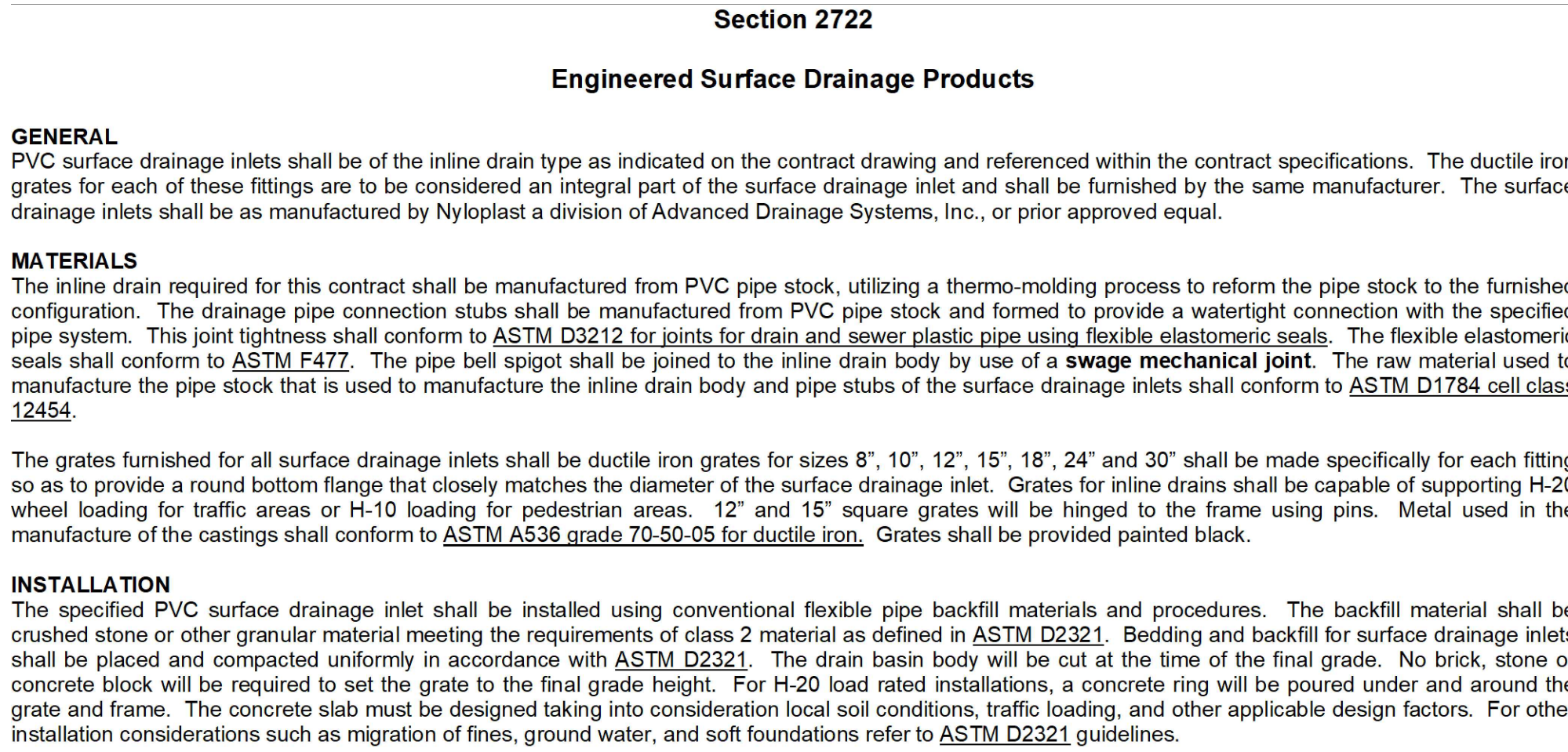
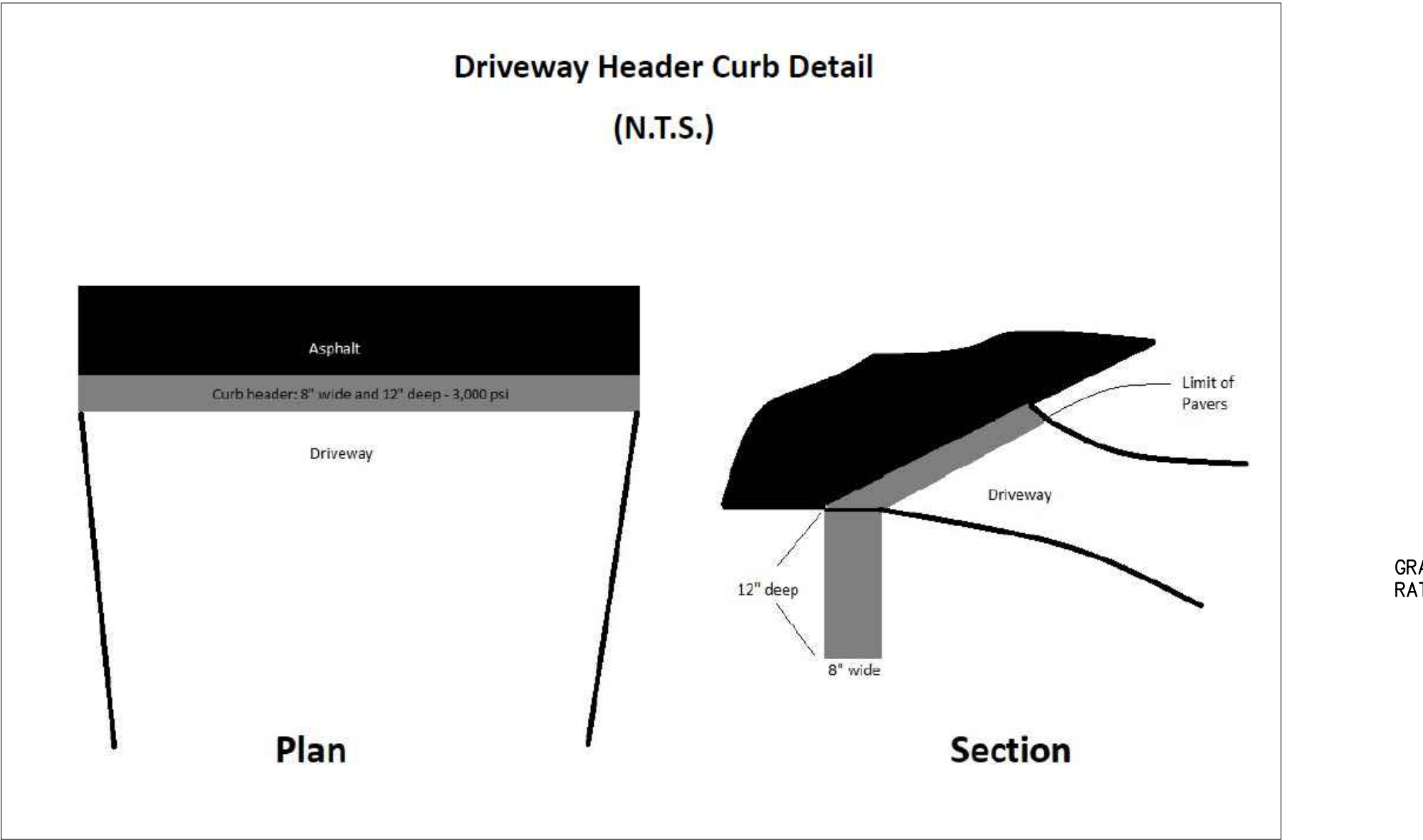
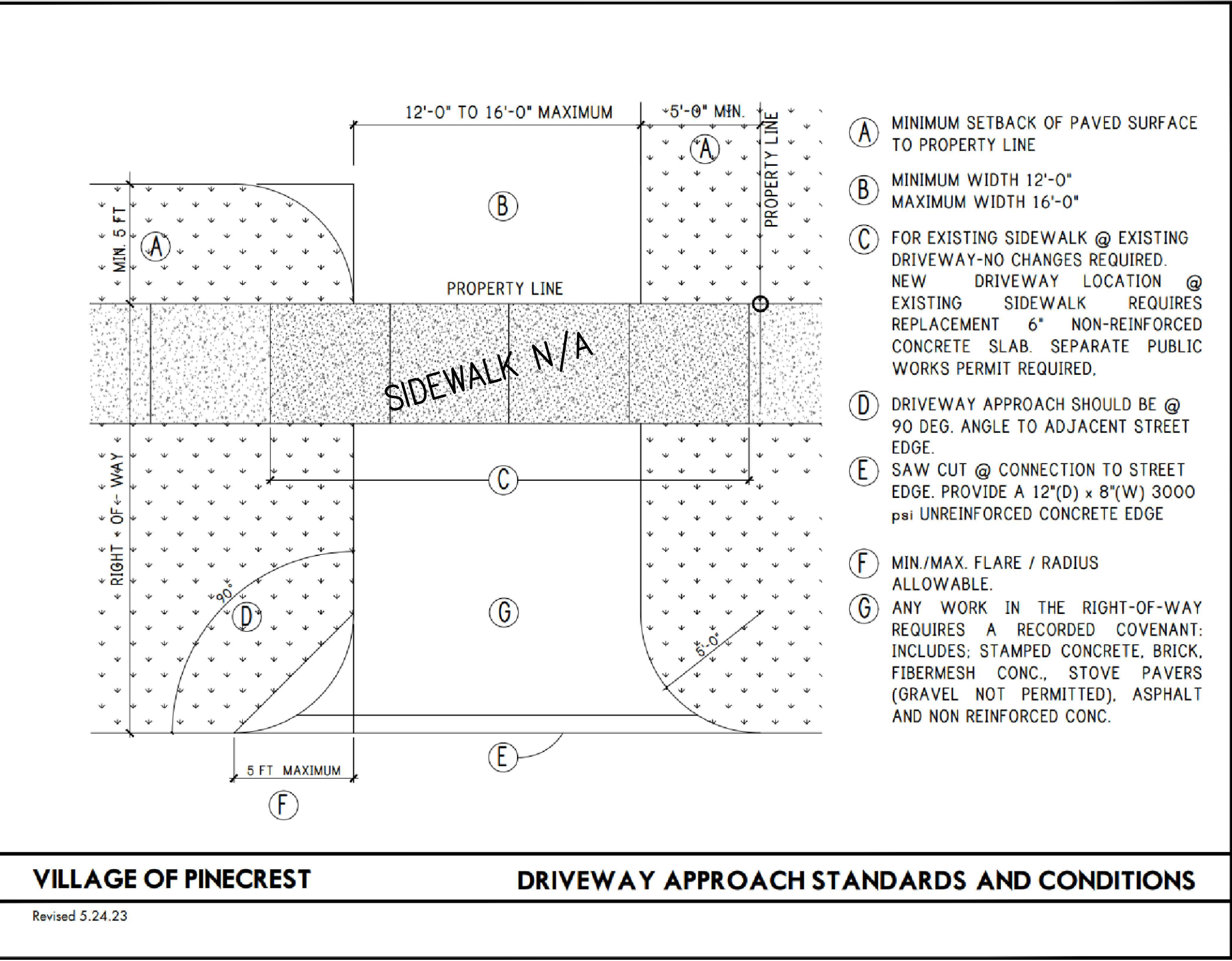
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SHEET No. 2 of 5

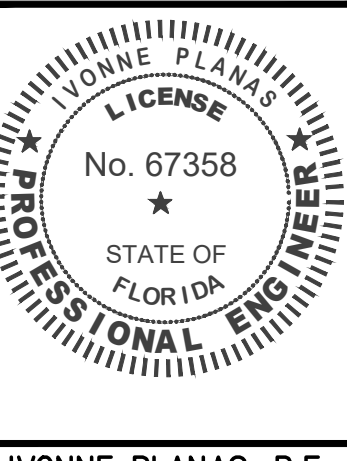
C-2





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GENERAL NOTES AND DETAILS



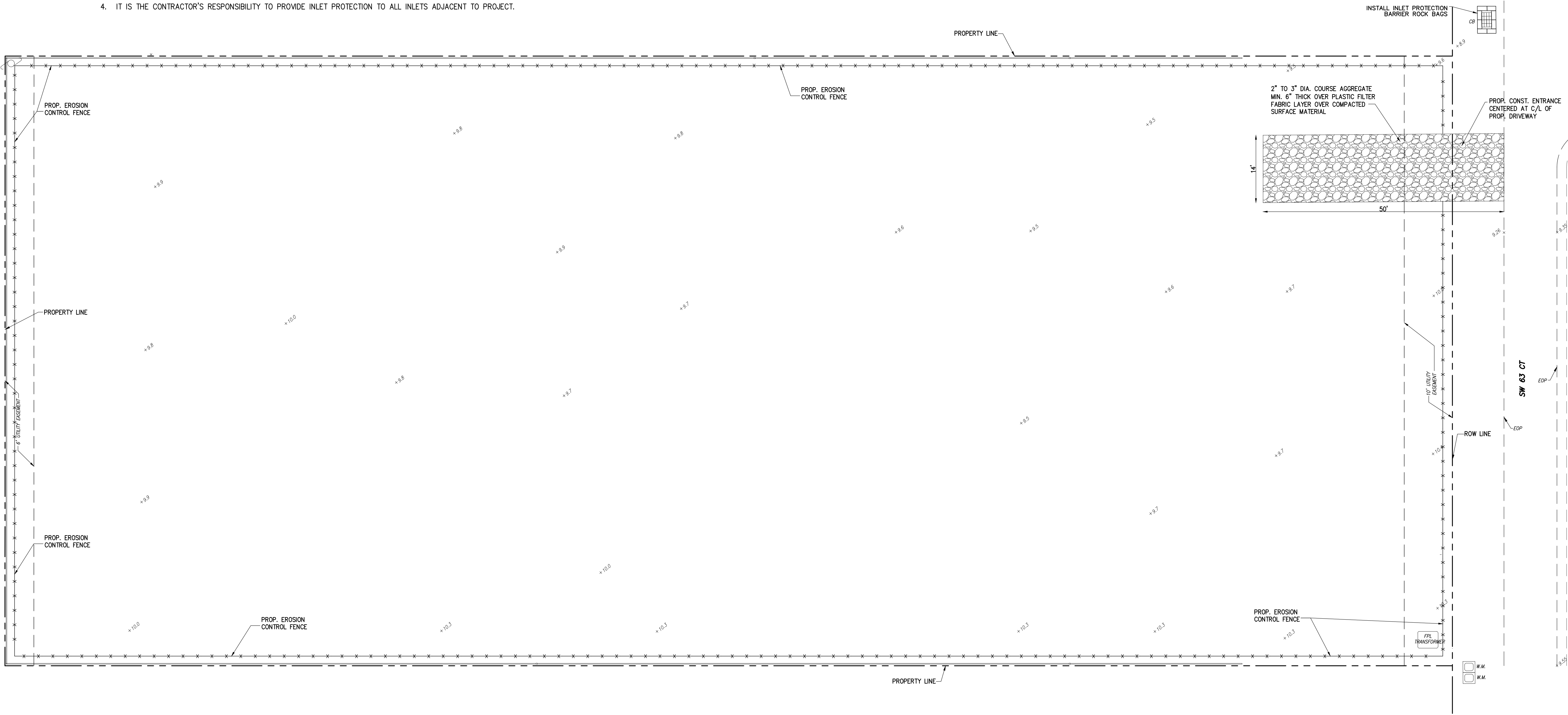
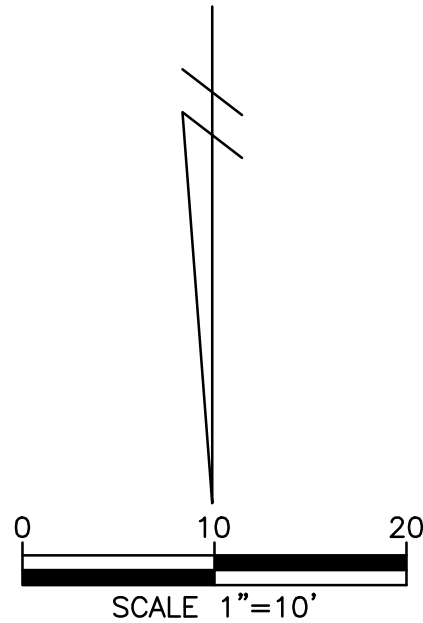
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FL LICENSE 67358

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SHEET No. 3 of 5
C-3

GENERAL NOTES:

- THE CONTRACTOR SHALL PRACTICE GOOD HOUSEKEEPING BY INSTITUTING A CLEAN, ORDERLY CONSTRUCTION SITE.
- THE CONTRACTOR SHALL PREVENT THE DISCHARGE OF SOLID MATERIALS, INCLUDING BUILDING MATERIALS, TO WATERS OF THE UNITED STATES. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:
 - THE CONTRACTOR SHALL PROVIDE PROPER DISPOSAL OF ALL CONSTRUCTION WASTE GENERATED WITHIN THE PROJECT LIMITS. WASTE MAY INCLUDE, BUT NOT BE LIMITED TO, VEGETATION FROM CLEARING AND GRUBBING ACTIVITIES, PACKAGING MATERIALS, SCRAP BUILDING MATERIALS, LITTER FROM TRAVELING PUBLIC, SEWAGE FROM SANITARY FACILITIES, HERBICIDES AND PESTICIDES AND THEIR CONTAINERS, AND HYDROCARBON PRODUCTS. CONTRACTOR SHALL DESIGNATE A WASTE COLLECTION AREA ONSITE.
 - SANITARY/SEPTIC FACILITIES FOR THE USE OF THE CONTRACTOR'S EMPLOYEES AS NECESSARY SHALL BE PROVIDED AND MAINTAINED IN A NEAT AND SANITARY CONDITION IN ORDER TO COMPLY WITH THE REQUIREMENTS AND REGULATIONS OF THE STATE AND LOCAL BOARDS OF HEALTH.
 - THE CONTRACTOR SHALL PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT LIMITS DURING CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL PROVIDE AN ADEQUATE NUMBER OF LITTER CONTAINERS WITH LIDS AT THE STAGING, STOCKPILE AND FIELD OFFICE AREAS (AS APPLICABLE). WASTE COLLECTION WILL BE SCHEDULED SO THAT CONTAINERS ARE EMPTIED PRIOR TO OVERFLOW. SPILLED LITTER CONTAINERS WILL BE CLEANED UP IMMEDIATELY.
- THE CONTRACTOR SHALL COMPLY WITH APPLICABLE STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, AND SANITARY SEWER OR SEPTIC SYSTEMS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE INLET PROTECTION TO ALL INLETS ADJACENT TO PROJECT.



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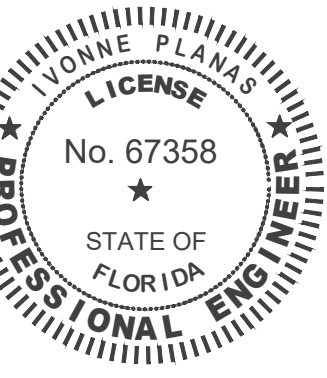
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SWPPP SITE PLAN



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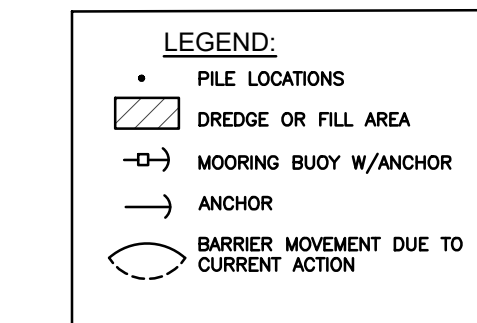
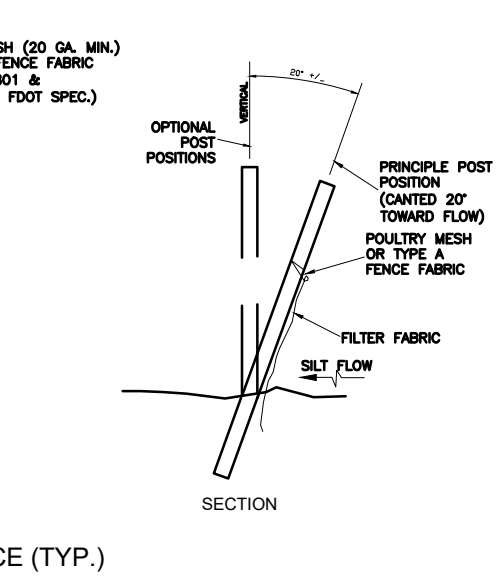
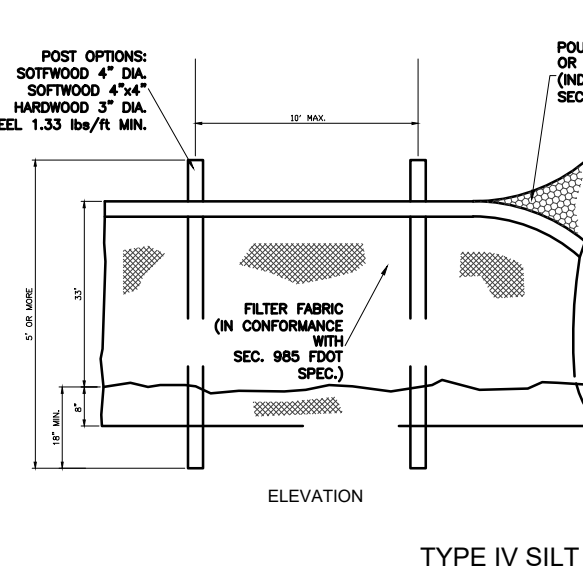
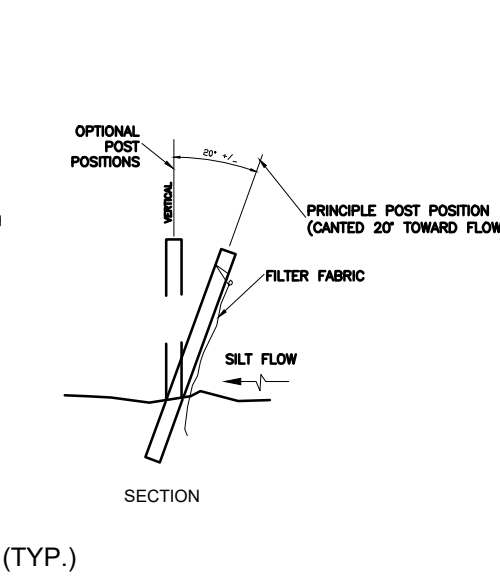
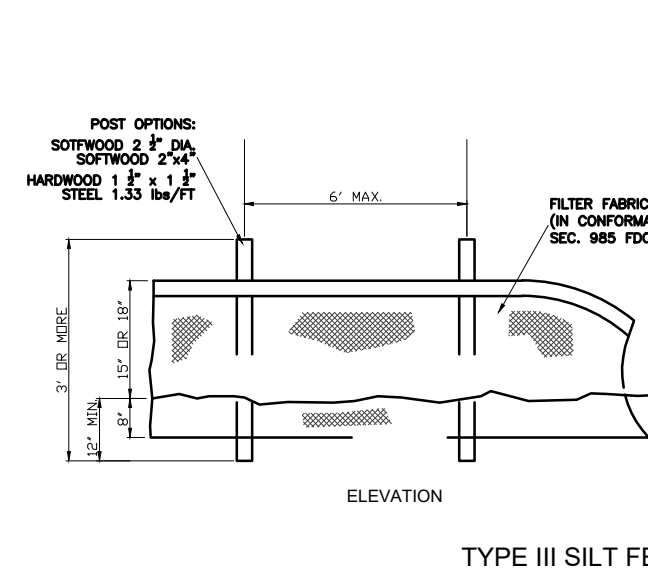
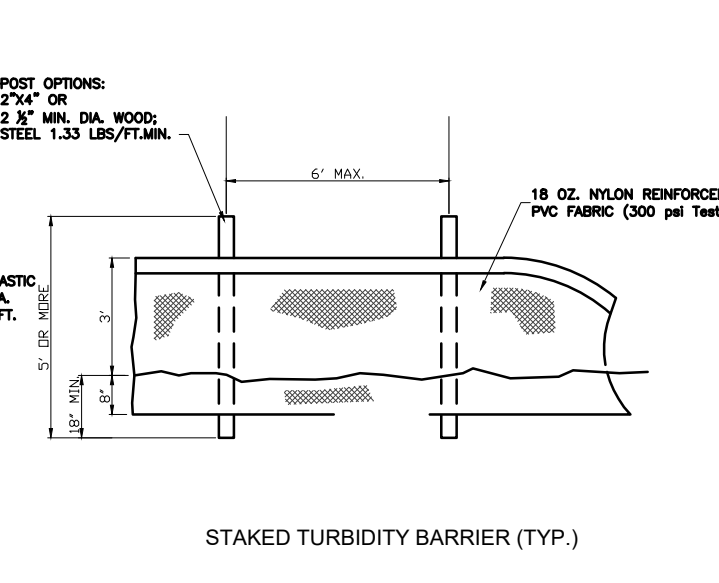
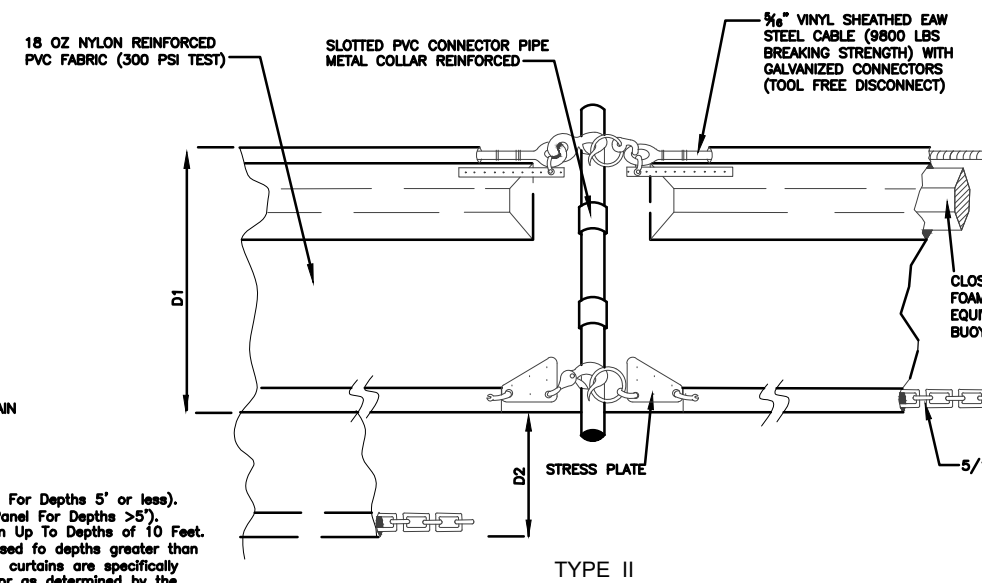
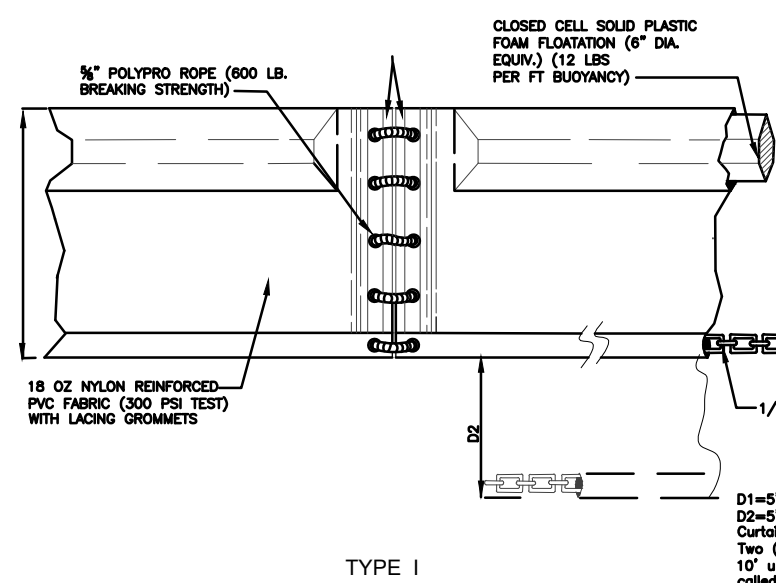
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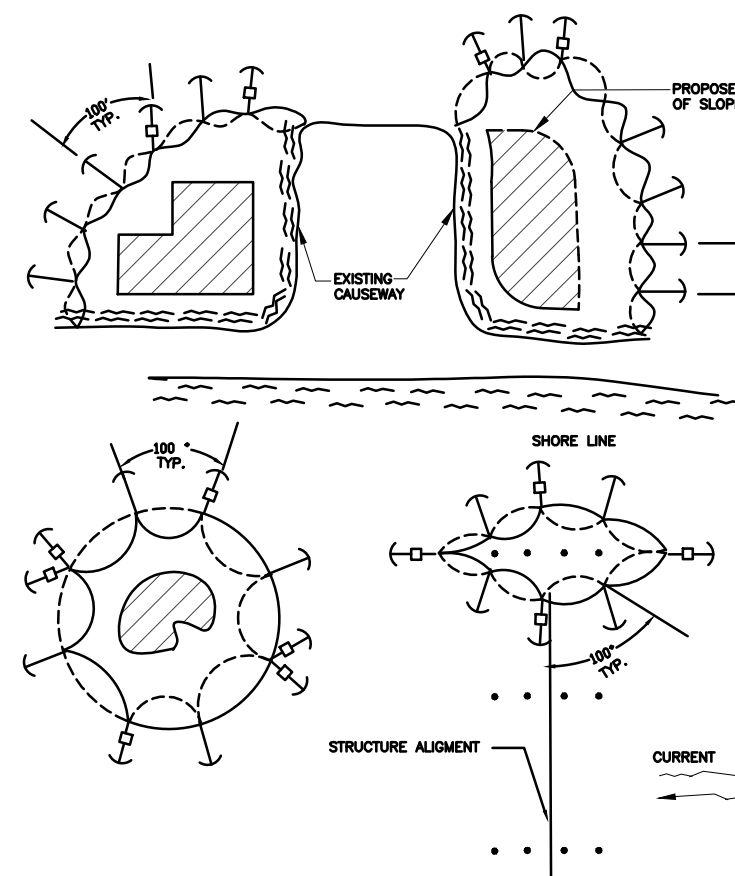
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SHEET No. 4 of 5

C-4

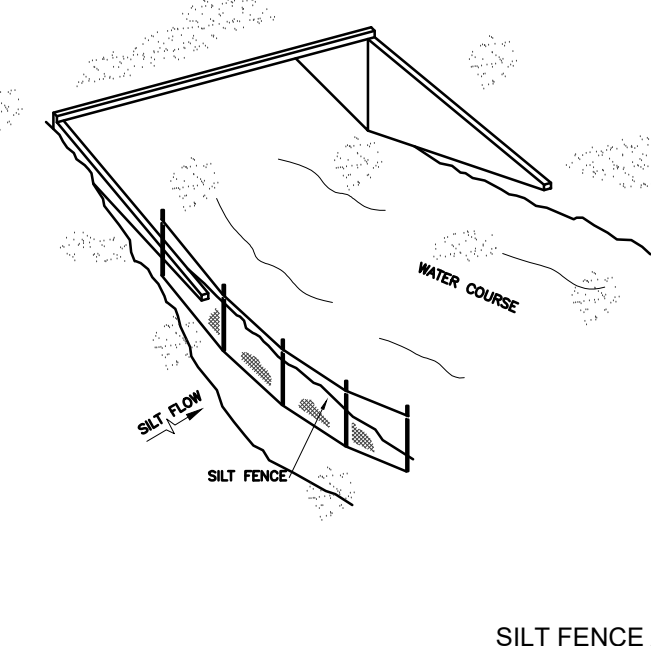


- NOTES:
- 1- TURBIDITY BARRIERS ARE TO BE USED IN ALL PERMANENT BODIES OF WATER REGARDLESS OF WATER DEPTH.
 - 2- NUMBER AND SPACING OF ANCHORS DEPENDENT ON CURRENT VELOCITIES.
 - 3- DEPLOYMENT OF BARRIER AROUND PILE LOCATIONS MAY VARY TO ACCOMMODATE CONSTRUCTION OPERATIONS.
 - 4- NAVIGATION MAY REQUIRE SEGMENTING BARRIER DURING CONSTRUCTION OPERATIONS.



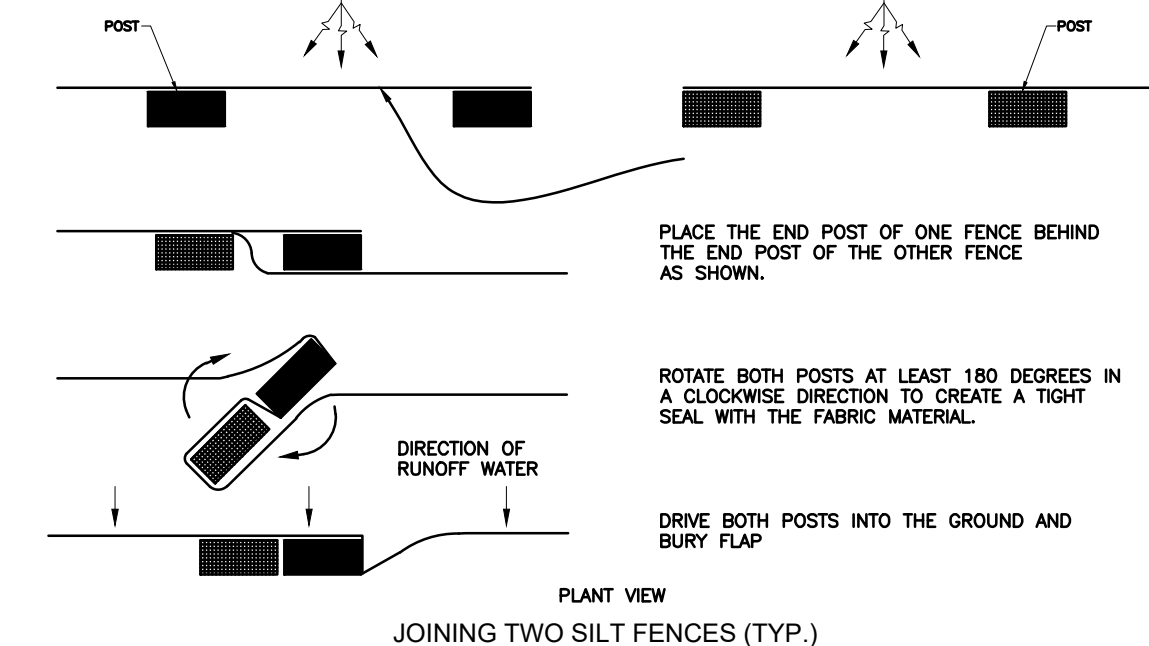
NOTE:
 TURBIDITY BARRIERS FOR FLOWING STREAMS AND TIDAL CREEKS MAY BE EITHER FLOATING, OR STAKED TYPES OR ANY COMBINATIONS OF TYPES THAT WILL SUIT SITE CONDITIONS AND MEET EROSION CONTROL AND WATER QUALITY REQUIREMENTS. THE BARRIER TYPE(S) WILL BE AT THE CONTRACTOR'S OPTION UNLESS OTHERWISE SPECIFIED IN THE PLANS. HOWEVER PAYMENT WILL BE UNDER THE PAY ITEM(S) ESTABLISHED IN THE PLANS FOR FLOATING TURBIDITY BARRIER AND/OR STAKED TURBIDITY BARRIER. POSTS IN STAKED TURBIDITY BARRIERS IS TO BE INSTALLED IN VERTICAL POSITION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

TURBIDITY BARRIER APPLICATIONS
 FLOATING TURBIDITY BARRIERS (TYP.)



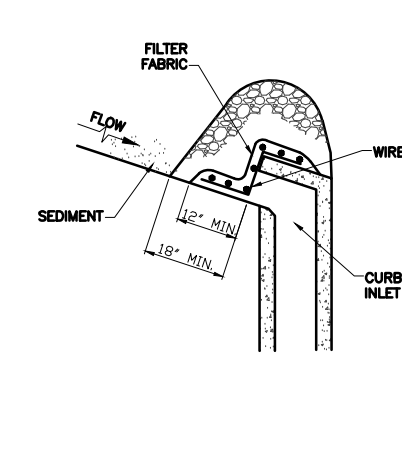
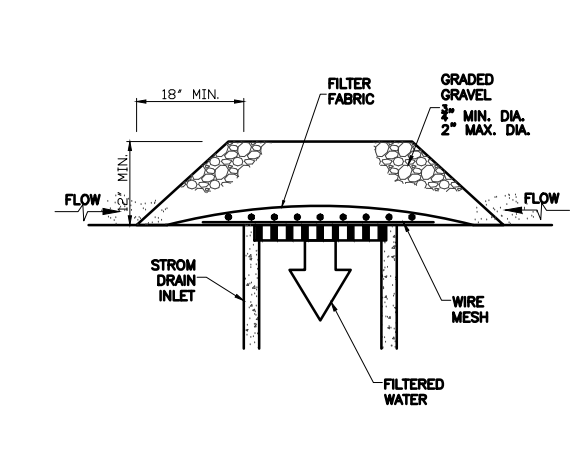
- NOTES FOR SILT FENCES:
- 1- TYPE III SILT FENCE TO BE USED AT MOST LOCATIONS. WHERE USED IN DITCHES, THE SPACING FOR TYPE III SILT FENCE SHALL BE IN ACCORDANCE WITH CHART 1, SHEET 1 OF 2010 FDOT DESIGN STANDARDS INDEX 102.
 - 2- TYPE IV SILT FENCE TO BE USED WHERE LARGE SEDIMENT LOADS ARE ANTICIPATED. SUGGESTED USE IS WHERE FILL SLOPE IS 1:2 OR STEEPER AND LENGTH OF SLOPE EXCEEDS 25 FEET. AVOID USE WHERE THE DETAINED WATER MAY BACK INTO TRAVEL LANES OR OFF THE RIGHT OF WAY.

SEDIMENT BARRIERS (TYP.)
 OR APPROVED ALTERNATIVE



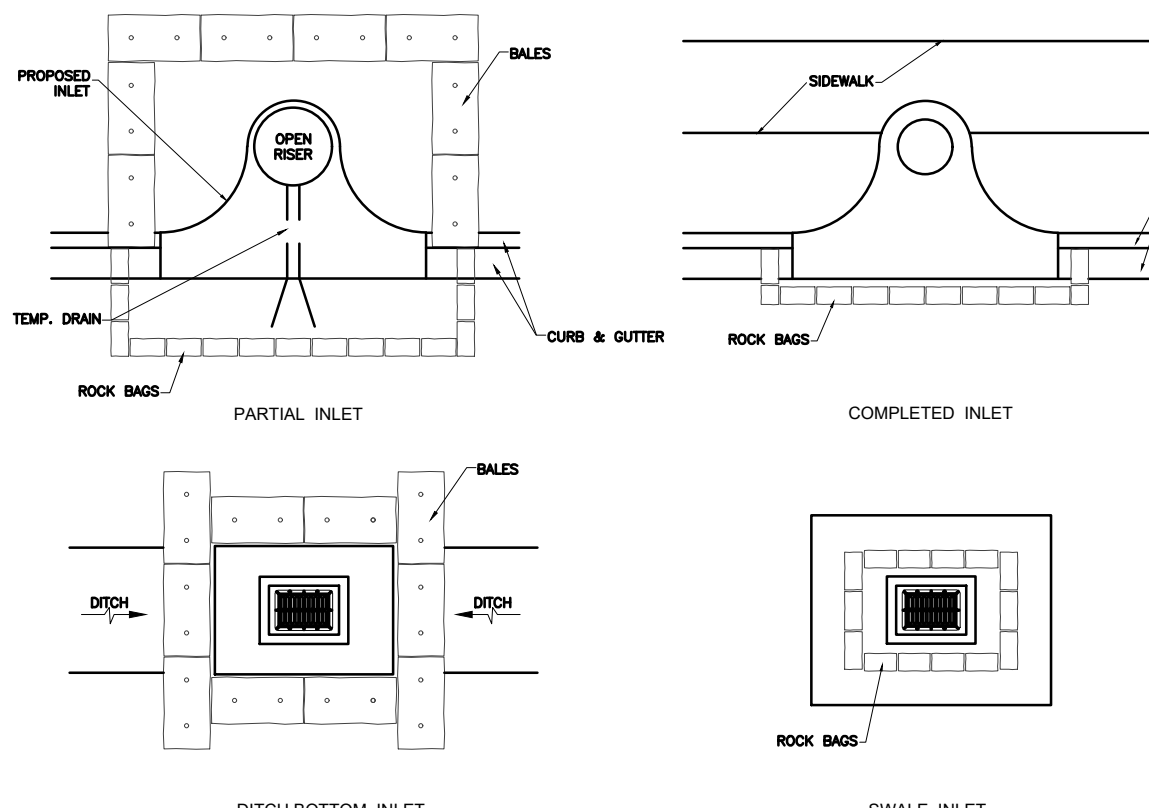
- NOTES FOR SILT FENCES:
- 3- DO NOT CONSTRUCT SILT FENCES ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.
 - 4- WHERE USED AS SLOPE PROTECTION, SILT FENCE IS TO BE CONSTRUCTED ON 0% LONGITUDINAL GRADE TO AVOID CHANNELIZING RUNOFF ALONG THE LENGTH OF THE FENCE.

JOINING TWO SILT FENCES (TYP.)



GRAVEL APPLICATIONS (TYP.)
 OR APPROVED ALTERNATIVE

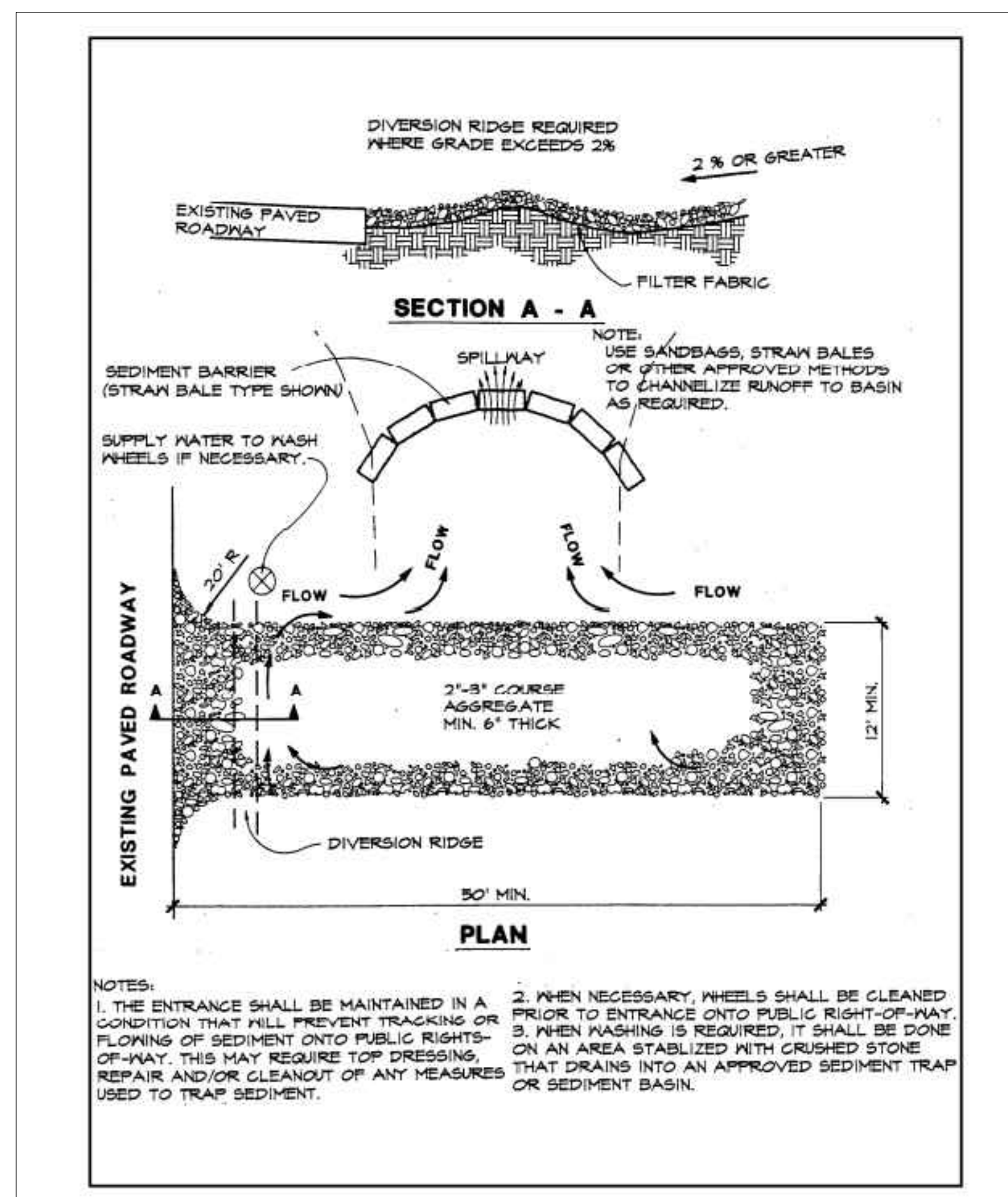
- NOTES FOR INLET PROTECTION GRAVEL:
- 1- INSTALLATION/APPLICATION CRITERIA:
 - PLACE WIRE MESH (WITH 1/4 INCH OPENINGS) OVER THE INLET GRATE EXTENDING ONE FOOT PAST THE GRATE IN ALL DIRECTIONS.
 - PLACE FILTER FABRIC OVER THE MESH. FILTER FABRIC SHOULD BE SELECTED BASED ON SOIL TYPE.
 - PLACE GRADED GRAVEL TO A MINIMUM DEPTH OF 12 INCHES, OVER THE FILTER FABRIC AND EXTENDING 18 INCHES PAST THE GRATE IN ALL DIRECTIONS.
 - 2- MAINTENANCE:
 - INSPECT INLET PROTECTION AFTER EVERY LARGE STORM EVENT AND AT A MINIMUM OF ONCE MONTHLY.
 - REMOVE SEDIMENT ACCUMULATED WHEN IT REACHES 4 INCHES IN DEPTH.
 - REPLACE FILTER FABRIC AND CLEAN OR REPLACE GRAVEL IF CLOGGING IS APPARENT.
 - 3- LIMITATIONS:
 - RECOMMENDED FOR MAXIMUM DRAINAGE AREA OF ONE ACRE.
 - EXCESS FLOWS MAY BYPASS THE INLET REQUIRING DOWN GRADIENT CONTROLS.
 - FLOODING WILL OCCUR AT INLET.



PROTECTION ALONG INLETS WITH ROCK BAGS BALES
 OR APPROVED ALTERNATIVES

- NOTES FOR SYNTHETIC BALES OR BALE TYPE BARRIERS:
- 1- TYPE I AND II SYNTHETIC BARRIER SHOULD BE SPACED IN ACCORDANCE WITH CHART 1, SHEET 1 OF 2010 FDOT DESIGN STANDARDS INDEX 102.
 - 2- BALES SHALL BE ANCHORED WITH TWO (2) 1"x2" (or 1" dia.) x 4' WOOD STAKES. STAKES OF OTHER MATERIAL OR SHAPE PROVIDING EQUIVALENT STRENGTH MAY BE USED IF APPROVED BY THE ENGINEER. STAKES OTHER THAN WOOD SHALL BE REMOVED UPON COMPLETION OF THE PROJECT.
 - 3- RAILS AND POSTS SHALL BE 2"x4" WOOD. OTHER MATERIALS PROVIDING EQUIVALENT STRENGTH MAYBE USED IF APPROVED BY THE ENGINEER.
 - 4- ADJACENT BALES SHALL BE BUTTED FIRMLY TOGETHER.
 - 5- WHERE USED IN CONJUNCTION WITH SILT FENCE, BALES SHALL BE PLACED ON THE UPSTREAM SIDE OF THE FENCE.

INLET PROTECTION SYSTEM (TYP.)
 OR APPROVED ALTERNATIVE



TEMPORARY GRAVEL CONSTRUCTION ENTRANCE

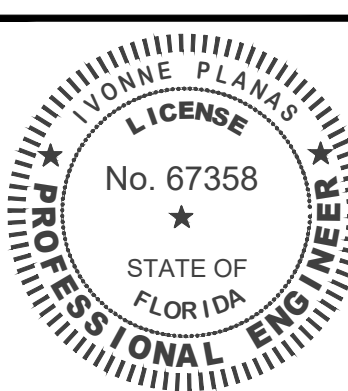
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 SWPPP DETAILS



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 FL. LICENSE 67358

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SHEET No. 5 of 5

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