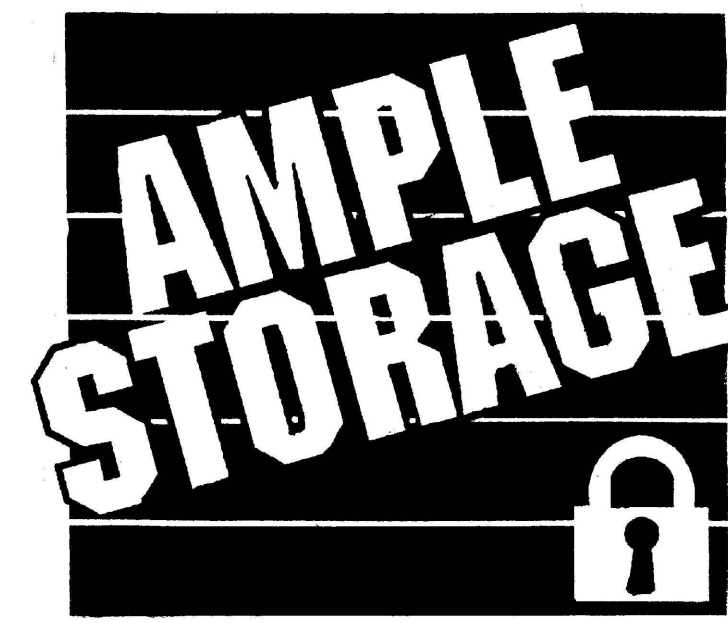
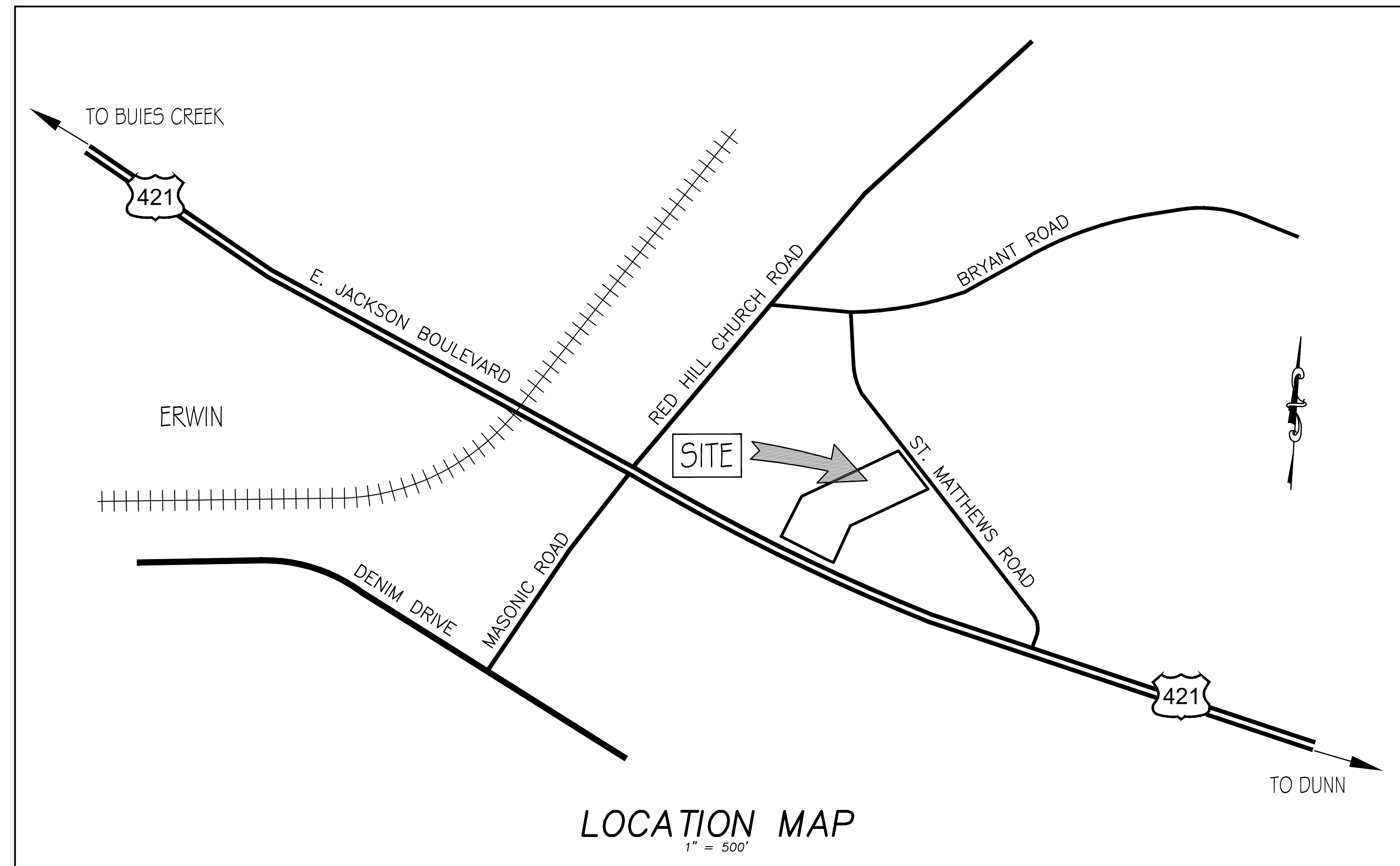


CONSTRUCTION DRAWINGS FOR



404 E. JACKSON BOULEVARD
ERWIN, HARNETT COUNTY, NC

CAPE FEAR RIVER BASIN



INDEX TO DRAWINGS		
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4 OF 16	GRADING & DRAINAGE PLAN - OVERALL	C4.0
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6 OF 16	GRADING & DRAINAGE PLAN - WET POND P&P - DETAILS	C4.2
7 OF 16	GRADING & DRAINAGE PLAN - MAIN DRIVE P&P - SECTIONS	C4.3
8 OF 16	EROSION & SEDIMENT CONTROL PLAN - STAGE 1	C5.0
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12 OF 16	LANDSCAPE PLAN - SITE & WET POND	C6.0
13 OF 16	UTILITY PLAN & SEWER PROFILE	C7.0
14 OF 16	UTILITY PLAN - STANDARD DETAILS	C7.1
15 OF 16	UTILITY PLAN - STANDARD DETAILS	C7.2
16 OF 16	UTILITY PLAN - UTILITY NOTES	C7.3

UTILITY SERVICE WILL BE PROVIDED BY:



WATER & SEWER DEMANDS:

ESTIMATED WATER AND SEWER DEMAND:	
APARTMENT (2 BEDROOMS)	= 240 GPD
OFFICE (1 HALF BATHROOM)	= 50 GPD

PLAN NOTES:

- THESE PLANS ARE FOR CONSTRUCTION WITHIN THE PARCEL(S) TO BE OCCUPIED BY AMPLE STORAGE (INDOOR STORAGE FACILITY) AND THE CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO COMPLETE THE WORK SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIFICATIONS IN A SATISFACTORY MANNER UNLESS OTHERWISE PROVIDED. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, EQUIPMENT, TOOLS, LABOR, AND INCIDENTALS TO COMPLETE THE WORK.
- WHERE DISCREPANCIES ARE FOUND ON PLANS OR DETAILS, OR BETWEEN THESE PLANS AND AVAILABLE RECORDS PROVIDED BY OTHERS, THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL BEAR THE FULL COST OF REMOVAL, REPLACEMENT, DELAY, AND MOBILIZATION RELATED TO FAILURE TO REVIEW ALL PLANS.
- ALL CONSTRUCTION SHALL CONFORM TO TOWN OF ERWIN AND APPLICABLE HARNETT COUNTY AND STATE CODES.
- LOCATION AND ELEVATION OF EXISTING STORM DRAINAGE STRUCTURES AND PIPES SHOWN ON THESE PLANS WERE OBTAINED FROM AVAILABLE RECORDS AND SURVEY DATA. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATIONS AND ELEVATIONS OF EXISTING STORM DRAINAGE STRUCTURES AND PIPES PRIOR TO COMMENCING CONSTRUCTION.
- INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS (NO SUBSURFACE LOCATIONS PROVIDED). IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES ON PARCEL AND WITHIN ADJACENT RIGHT-OF-WAY PRIOR TO CONSTRUCTION.
- IF EXISTING UTILITY CONFLICTS WITH PROPOSED IMPROVEMENT INSTALLATION, THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION.
- ANY CONDITIONS DISCOVERED AND/OR EXISTING THAT WOULD NECESSITATE A MODIFICATION OF THESE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ANY RELOCATIONS, RE-ALIGNMENTS, DISCONNECTIONS OR CONNECTIONS OF EXISTING UTILITIES WITH APPLICABLE AUTHORITIES/OWNERS.
- NO CONSTRUCTION IS TO BEGIN BEFORE LOCATION OF EXISTING UTILITIES HAS BEEN DETERMINED. CALL "NO ONE CALL" AT LEAST 48 HOURS BEFORE COMMENCING CONSTRUCTION.
- THE CONTRACTOR SHALL BEAR THE FULL COST OF REMOVAL, REPLACEMENT, AND DELAY RELATED TO UNVERIFIED EXISTING CONDITIONS.
- THE CONTRACTOR SHALL COORDINATE ANY REQUIRED TRAFFIC CONTROL WITH TOWN OF ERWIN AND/OR NCDOT.
- LIMITS OF CONSTRUCTION EASEMENTS AND RIGHTS-OF-WAY SHALL BE DELINEATED WITH TEMPORARY STAKING BY THE CONTRACTOR. SAFETY FENCING SHALL BE UTILIZED WHERE WORK IS IN CLOSE PROXIMITY TO RESIDENCES, TRAILS, OR OTHER PUBLIC AREAS.
- CLEARING AND GRUBBING OF THE SITE TO INCLUDE REMOVAL OF STRUCTURES, ASPHALT, INLETS, AND ANY OTHER STRUCTURES INCLUDING TREES, SHRUBS, STUMPS, AND DEBRIS. LANDSCAPE FEATURES NOT REQUIRED TO BE CLEARED FOR CONSTRUCTION SHALL REMAIN UNLESS OTHERWISE DIRECTED.
- WHERE EXCAVATION IS REQUIRED UNDER EXISTING ASPHALT OR CONCRETE PAVEMENT, THE EXISTING PAVEMENT SHALL BE SAW CUT IN A MANNER TO EFFECT A SMOOTH, STRAIGHT-CUT EDGE.
- THE CONTRACTOR SHALL ADJUST ALL MANHOLES, VALVE & CURB BOXES TO FINAL GRADE DURING CONSTRUCTION. ANY BOXES DAMAGED OR OTHERWISE DISTURBED BY THE CONTRACTOR SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST AND EROSION DURING CONSTRUCTION AT HIS EXPENSE. PARKING AREAS SHALL BE WATERED TO CONTROL DUST WHEN DIRECTED BY THE ENGINEER.
- NO WARRANTY IS MADE FOR THE SUITABILITY OF THE SUBGRADE. UNDERCUT AND ANY REQUIRED REPLACEMENT WITH SUITABLE MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR IS TO ENSURE THAT PAVEMENT AND OTHER FINISHED SURFACES ARE PLACED SO AS TO DRAIN POSITIVELY AWAY FROM ALL BUILDINGS.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING REQUIRED BUILDING PERMITS.



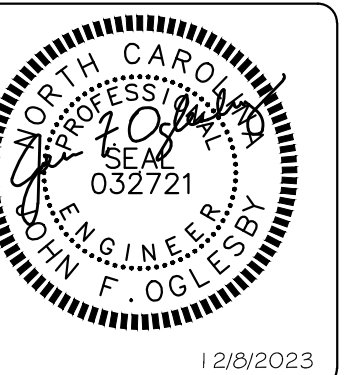
LICENSE # C-2710
ENGINEERING
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(910) 791-4441

COVER SHEET
LOCATION MAP

CONSTRUCTION DRAWINGS FOR
AMPLE STORAGE

LOCATED IN TOWN OF ERWIN,
HARNETT COUNTY, NORTH CAROLINA
LAND OWNER: TURTLE RUN, LLC
CONTACT: GUY LAMPE JR - MANAGER
1200 BUCKINGHAM BLVD
SWITZER, NC 27577
(919) 934-3041
CONTACT: TERRY WETHINGTON - PM (252) 670-2664



REV. NO.	REMARKS	BY	DATE
1	LANDSCAPE PLAN REVISIONS (SEE SHEET C6.0)	JFO	12/8/23
2	SEWER SERVICE REVISION (SEE SHEET C7.0)	JFO	12/8/23
3	ADDED FIRE HYDRANT (SEE SHEETS C7.0, C7.1, & C7.2)	JFO	12/8/23

DATE: 11/15/2023

HORIZ. SCALE: 1" = 500'

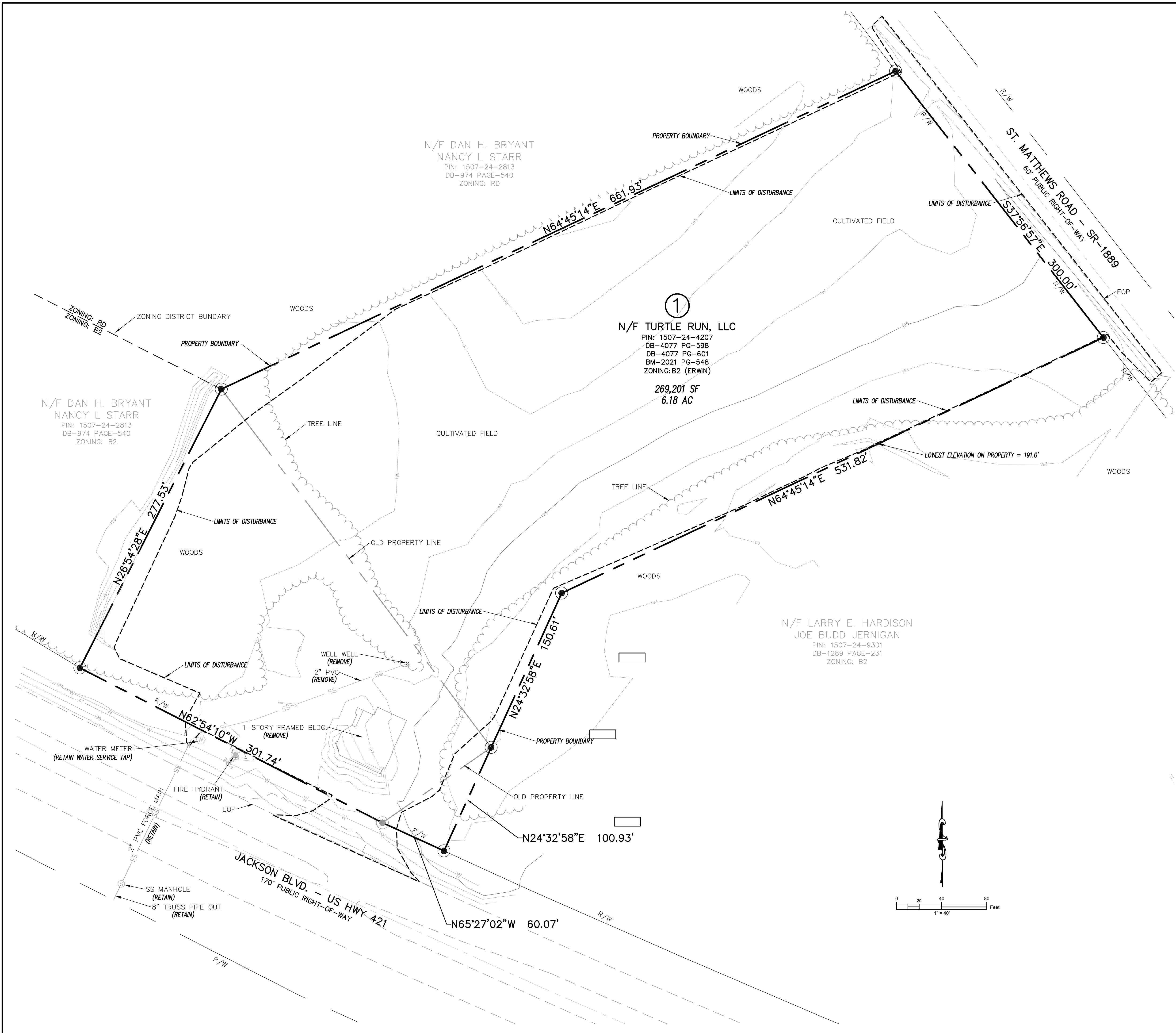
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DRAWN BY: JFO

CHECKED BY: HSR

PROJECT NO.: 21-0590

C1.0
Sheet No. 1 of 16



N/F DAN H. BRYANT
 NANCY L STARR
 PIN: 1507-24-2813
 DB-974 PAGE-540
 ZONING: RD

①
 N/F TURTLE RUN, LLC
 PIN: 1507-24-4207
 DB-4077 PG-598
 DB-4077 PG-601
 BM-2021 PG-548
 ZONING: B2 (ERWIN)

269,201 SF
 6.18 AC

N/F LARRY E. HARDISON
 JOE BUDD JERNIGAN
 PIN: 1507-24-9301
 DB-1289 PAGE-231
 ZONING: B2

N/F DAN H. BRYANT
 NANCY L STARR
 PIN: 1507-24-2813
 DB-974 PAGE-540
 ZONING: B2

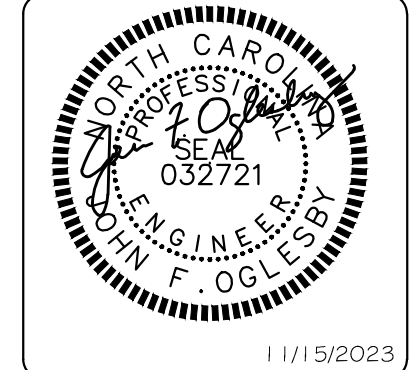
- EXISTING CONDITION & DEMOLITION NOTES**
1. THIS MAP IS NOT FOR CONVEYANCE OR SALES.
 2. SITE ADDRESS: 404 E. JACKSON BLVD, ERWIN, NC
 3. BOUNDARY & TOPOGRAPHIC SURVEY PROVIDED BY MOORMAN, KIZER & REITZEL, INC (F-0106) 115 BROADFOOT AVENUE (PO BOX 53774) FAYETTEVILLE, NC 28305 910-484-5191 SURVEY DATED: AUGUST 31, 2021
 4. EXISTING SEWER SERVICE AND FORCE MAIN SURVEY PROVIDED BY GALLOWAY GEOSPATIAL, PLLC 4318 PLEASANT PLAIN ROAD AYDEN, NC 28513 252-565-2657 SURVEY PROVIDED ON MARCH 30, 2023
 5. EXISTING FRAMED STRUCTURE ON PROPERTY WILL BE DEMOLISHED ACCORDING TO LOCAL REGULATIONS.
 6. EXISTING SEWER SERVICE WILL BE REMOVED FROM SITE; HOWEVER WILL BE RETAINED UNDER US HIGHWAY 421.
 7. EXISTING WATER SERVICES WILL BE RETAINED FROM MAIN TO METER.
 8. SITE DRAINS TO UT BLACK RIVER (C; Sw / 18-68-12-1).
 9. SITE IS NOT LOCATED IN A FEMA SPECIAL FLOOD HAZARD AREA.
 10. THERE ARE NO JURISDICTIONAL WETLANDS AND/OR STREAMS ON SITE.



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EXISTING CONDITIONS
 DEMOLITION PLAN

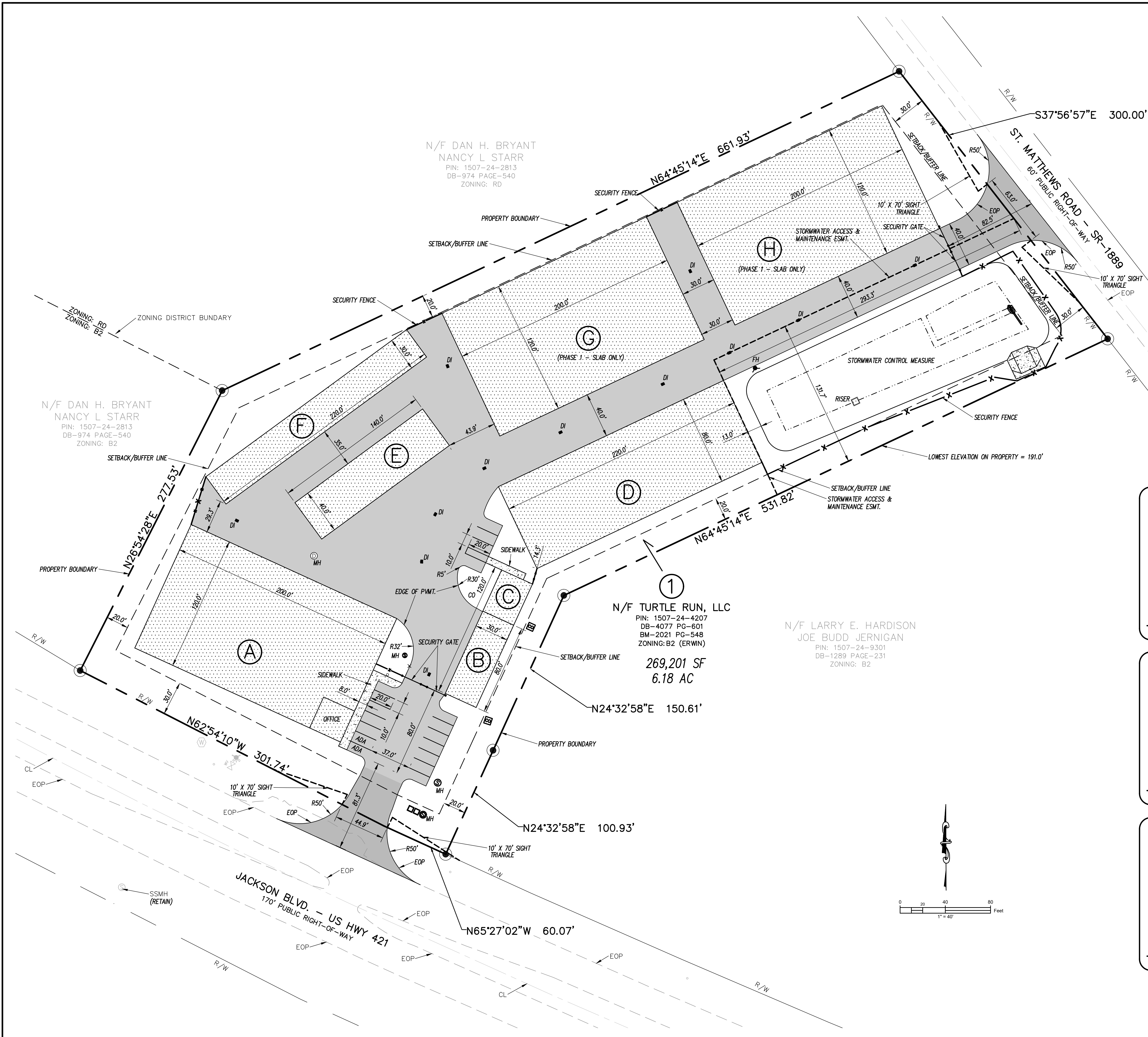
CONSTRUCTION DRAWINGS FOR
AMPLE STORAGE
 LOCATED IN TOWN OF ERWIN
 HARNETT COUNTY, NORTH CAROLINA
 LAND OWNER: TURTLE RUN, LLC
 GUY LAMPE JR - MANAGER
 CONTACT: (919) 934-0041
 TERRY WETHINGTON - PM (252) 670-2664



REV. NO.	REMARKS	BY	DATE

DATE: 11/15/2023
 HORZ SCALE: 1" = 40'
 VERT SCALE: N/A
 DRAWN BY: JFO
 CHECKED BY: HSR
 PROJECT NO.: 21-0590

Sheet **C2.0**
 of 16



SITE DATA TABLE:

CURRENT PROPERTY OWNER: TURTLE RUN, LLC
 DEVELOPER NAME: TURTLE RUN, LLC
 OWNER/DEVELOPER CONTACT: GUY LAMPE JR.
 919-934-3041
 OWNER/DEVELOPER CONTACT: TERRY WETHINGTON
 252-670-2664

PARCEL ADDRESS: 404 E. JACKSON BOULEVARD
 ERWIN, NC

COMBINED PARCEL AREA: 269,201 SF (6.18 AC ±)

BUILDING SETBACKS: JACKSON BLVD.(US-421) FRONTAGE = 30 FT
 ST. MATTHEWS ROAD FRONTAGE = 30 FT
 SIDE = 20 FT

ROAD FRONTAGE WIDTHS: JACKSON BLVD. (US-421) FRONTAGE = 361.8 FT
 ST. MATTHEWS ROAD FRONTAGE = 300.0 FT

ZONING DISTRICT: VACANT
 EXISTING USE: VACANT
 PROPOSED USE: COMMERCIAL INDOOR STORAGE

PROPOSED BUILDINGS: 104,953 SF
 PARKING SPACES PROVIDED: 18 SPACES TOTAL, INCLUDING:
 2 ADA SPACES (1 VAN, 1 CAR)

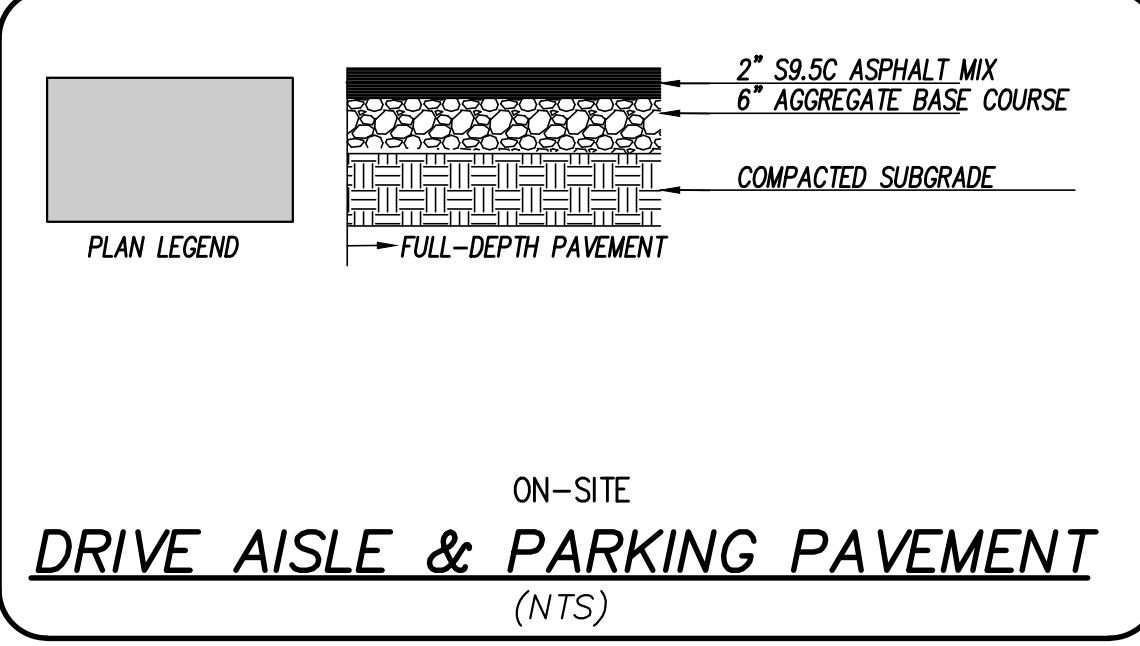
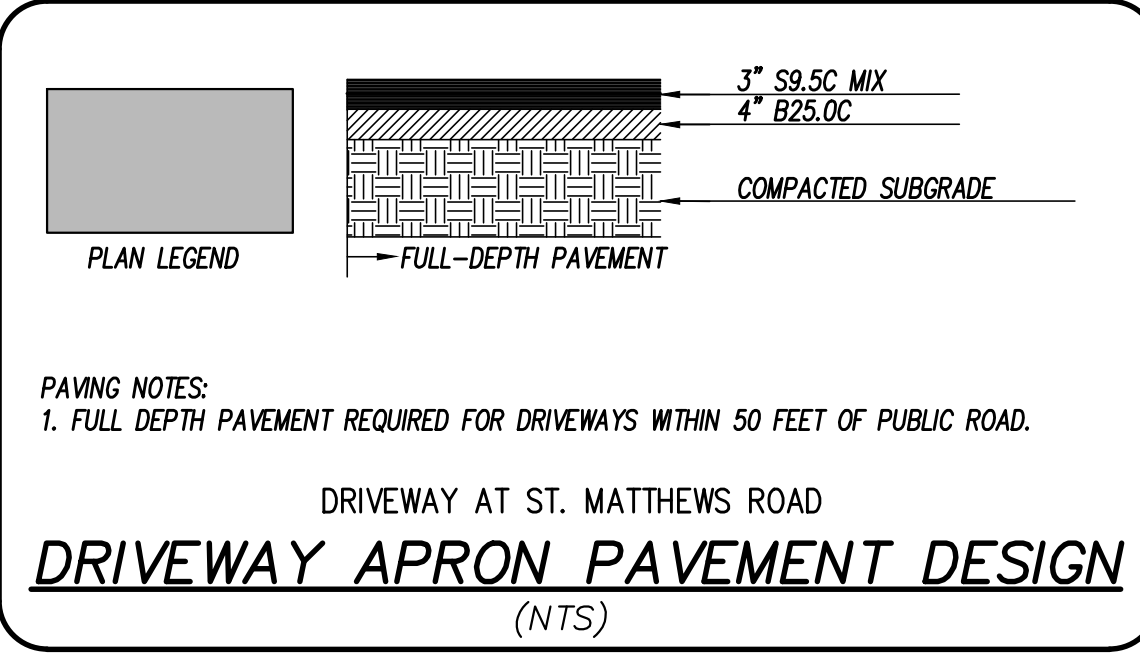
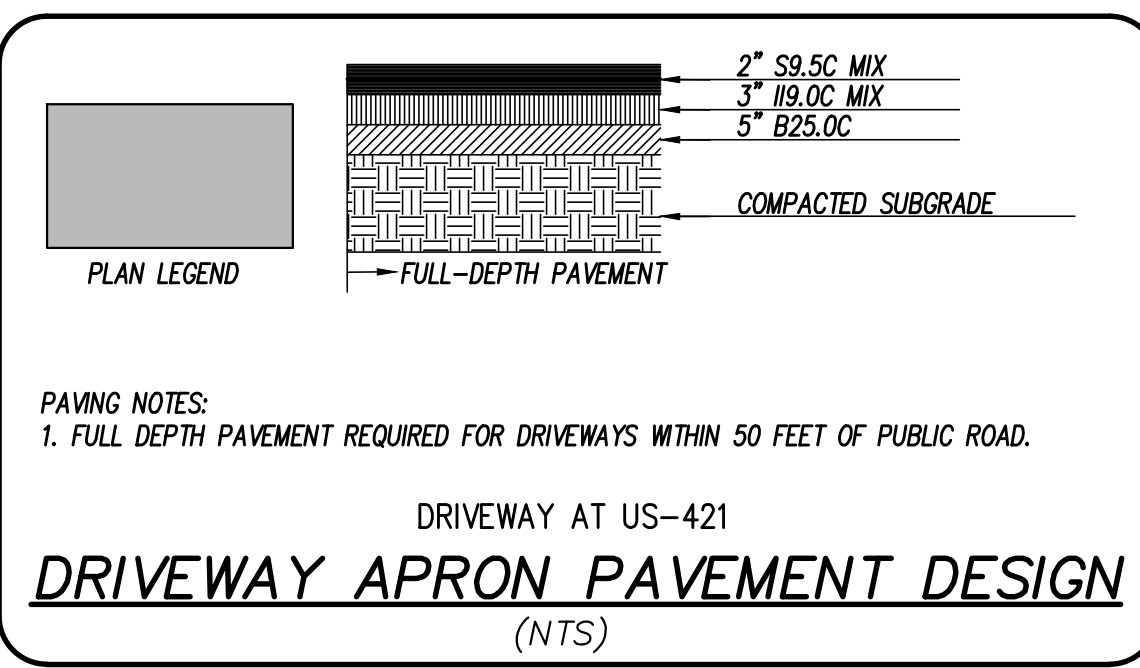
LOT COVERAGE: 170,952 SF (63.5%)

LOT COVERAGE (IMPERVIOUS):

COMBINED PARCEL AREA = 269,201 SF (6.18 AC ±)
 ALLOWABLE LOT COVERAGE = 175,053 SF (65.0%)

EXISTING ON-SITE IMPERVIOUS DATA:
 EXISTING DRIVEWAY/PARKING = 10,840 SF
 EXISTING BUILDINGS = 2,176 SF
 TOTAL EX. IMPERVIOUS = 13,016 SF
 EXISTING IMPERVIOUS = 4.8 %

PROPOSED ON-SITE IMPERVIOUS DATA:
 PROPOSED DRIVEWAY/PARKING = 65,074 SF
 PROPOSED SIDEWALKS = 925 SF
 PROPOSED BUILDINGS = 104,953 SF
 TOTAL PROP. IMPERVIOUS = 170,952 SF
 PROPOSED IMPERVIOUS = 63.5 %



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**SITE PLAN
OVERALL SITE PLAN**

CONSTRUCTION DRAWINGS FOR
AMPLE STORAGE
 LOCATED IN TOWN OF ERWIN
 HARRIETT COUNTY, NORTH CAROLINA

LAND OWNER: TURTLE RUN, LLC
 GUY LAMPE JR. - MANAGER
 CONTACT: (919) 934-3041

CONTACT: TERRY WETHINGTON - PM (252) 670-2664

11/29/2023

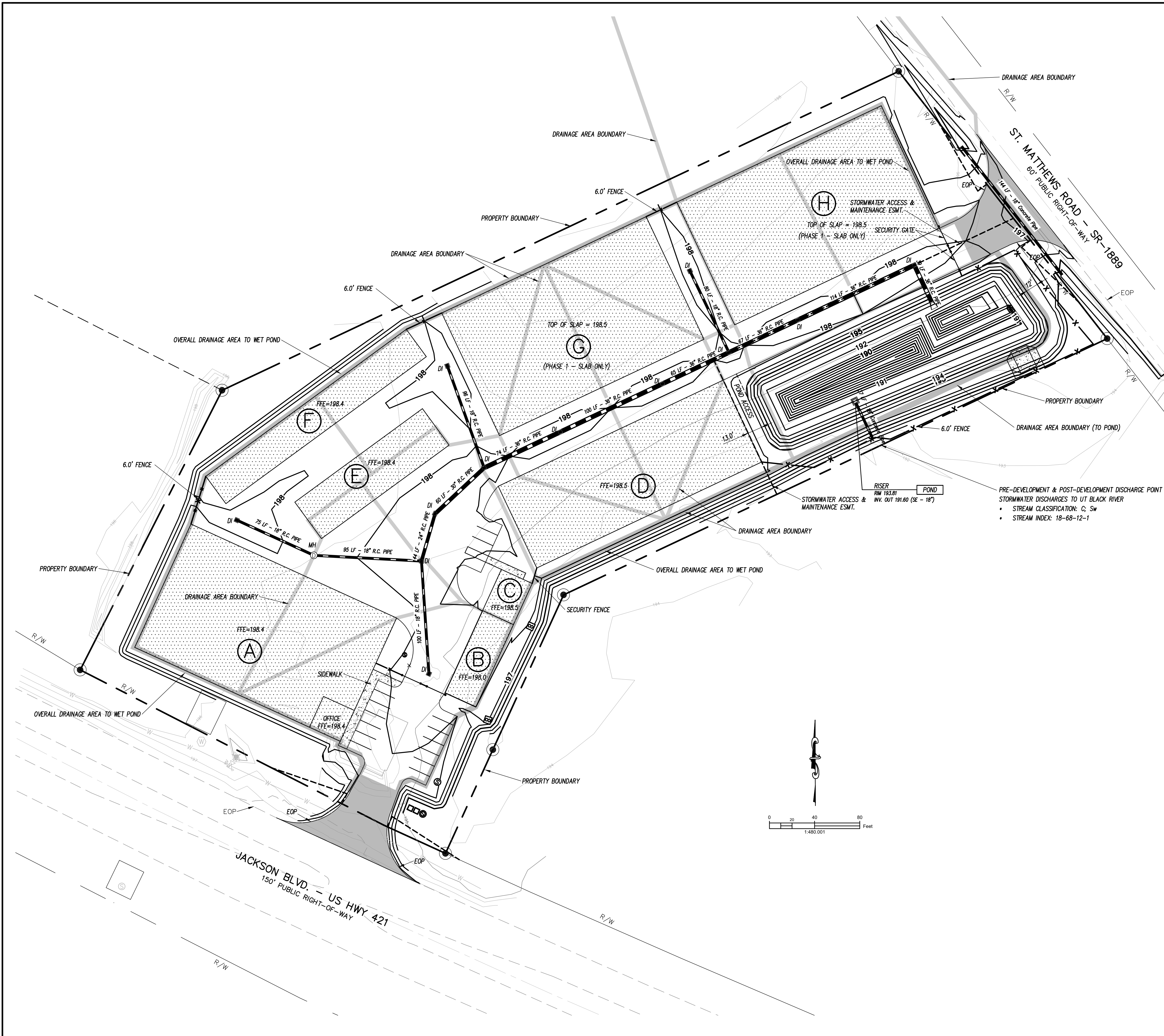
REV.	NO.	REMARKS	DATE

DATE: 11/29/2023
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 CHECKED BY: HSR
 PROJECT NO.: 21-0590

C3.0
 Sheet No. 3 of 16

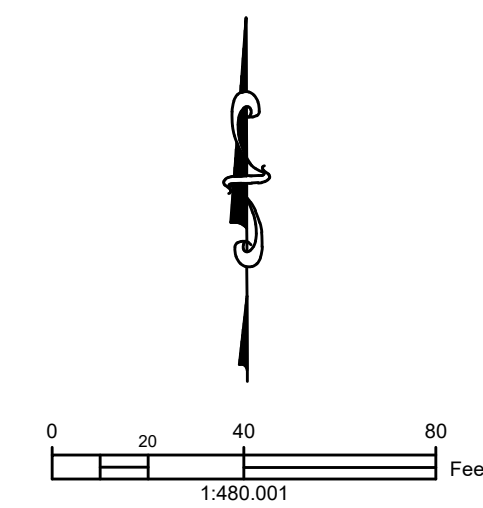
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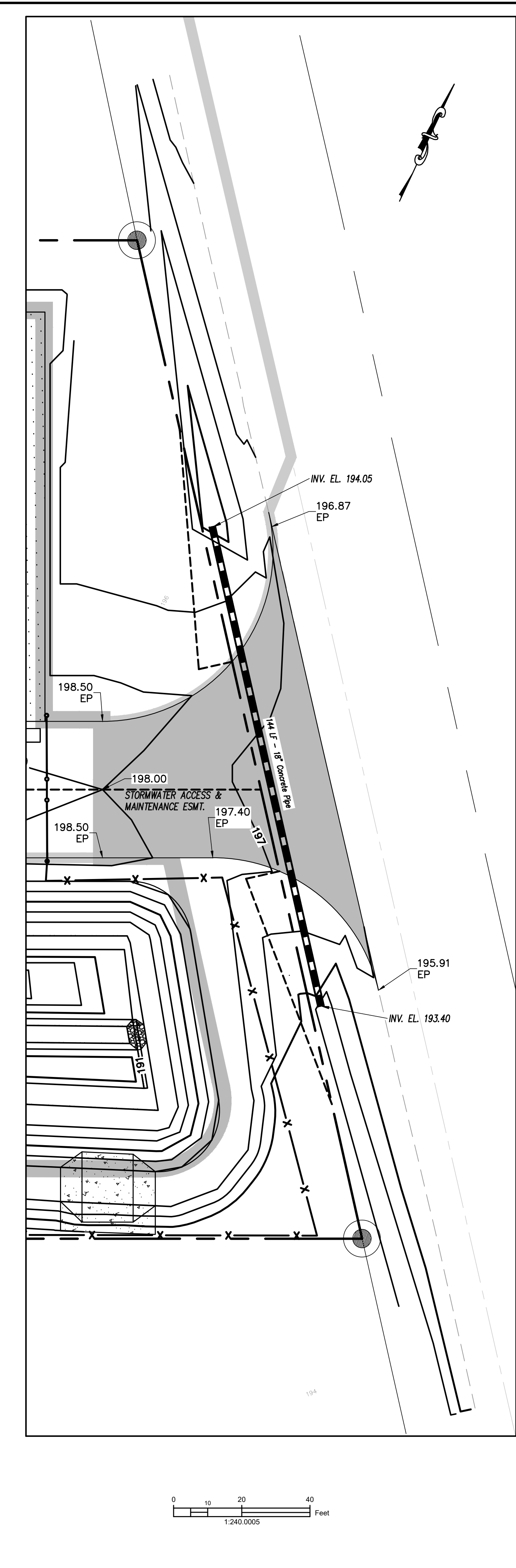
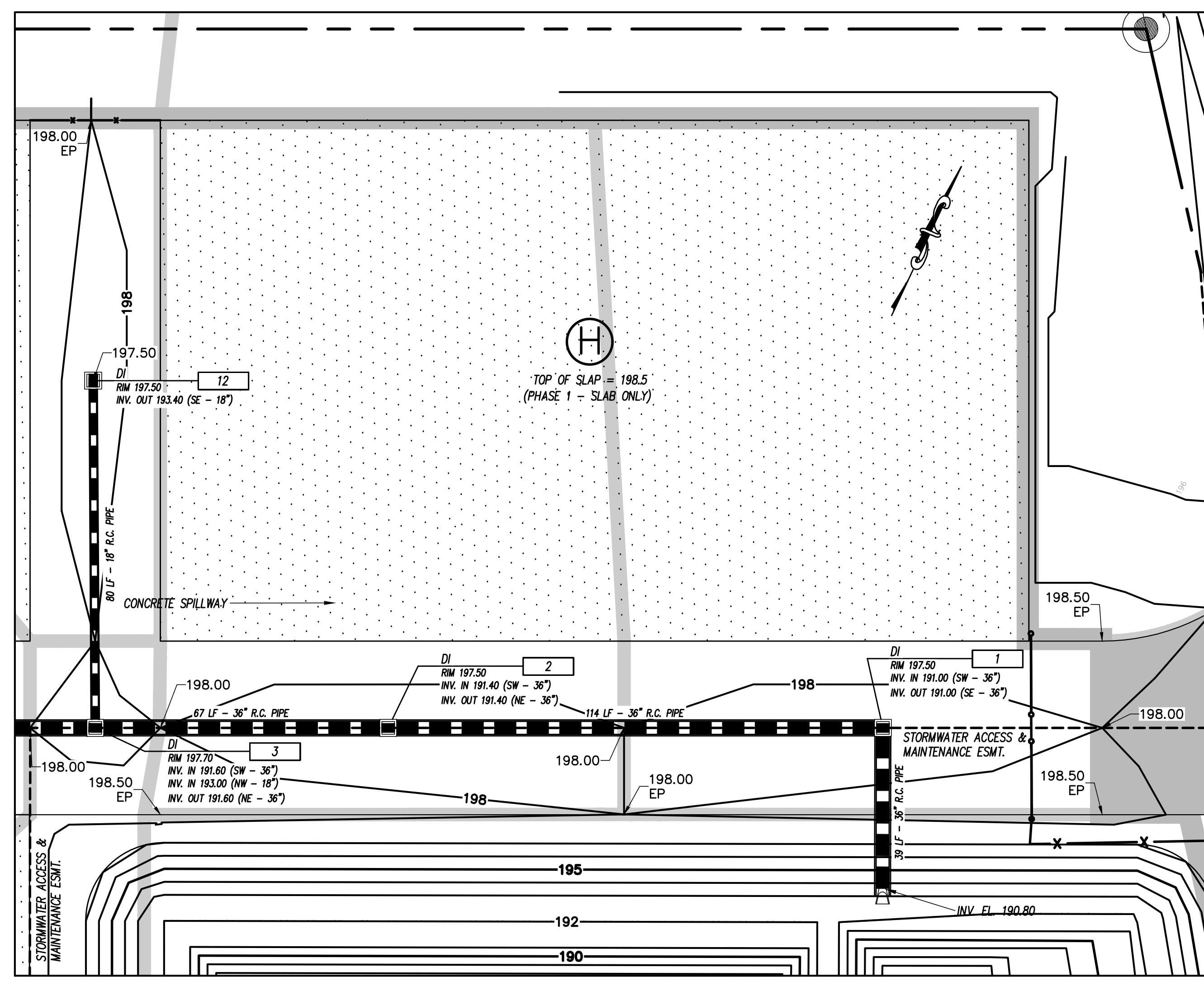
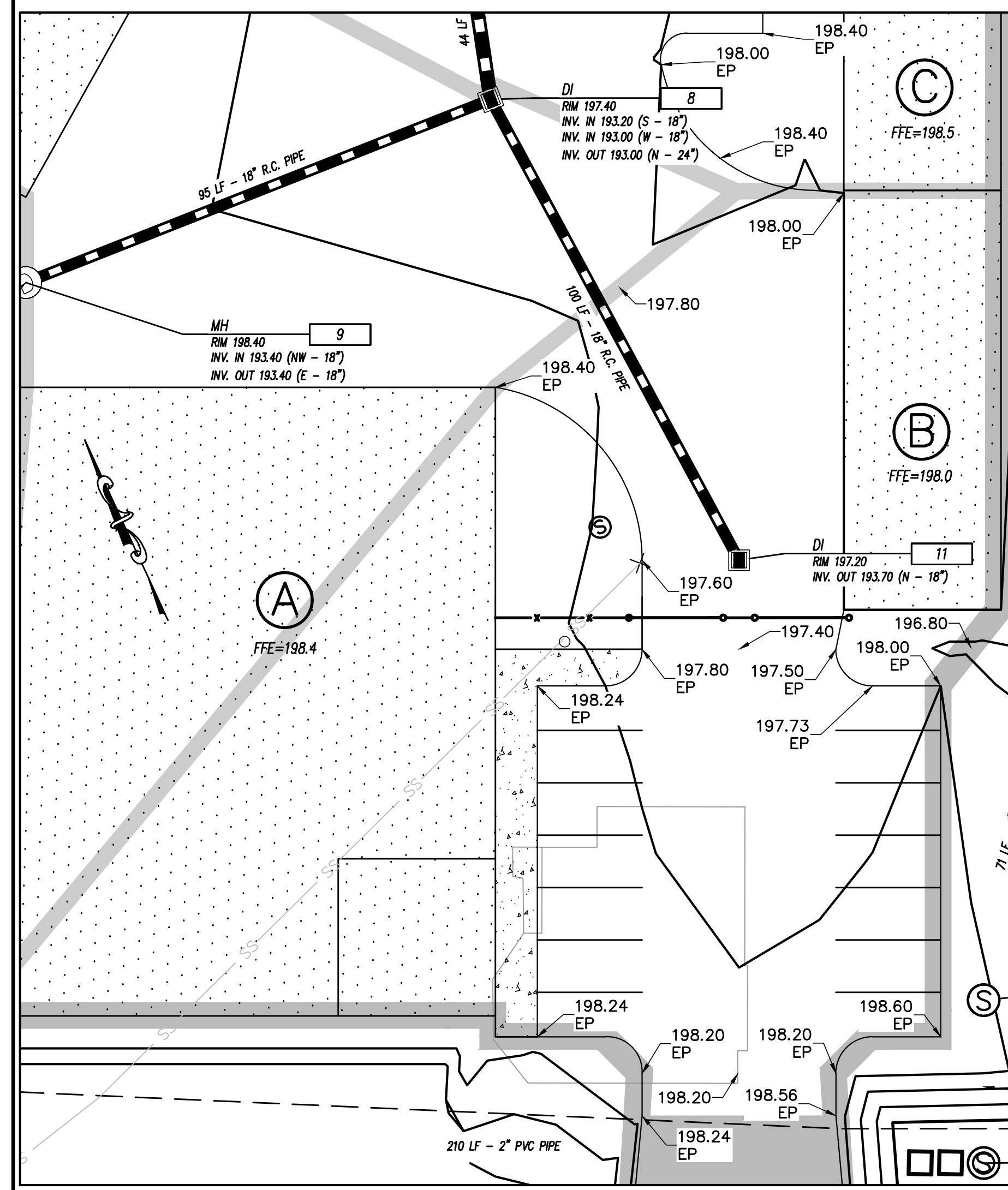
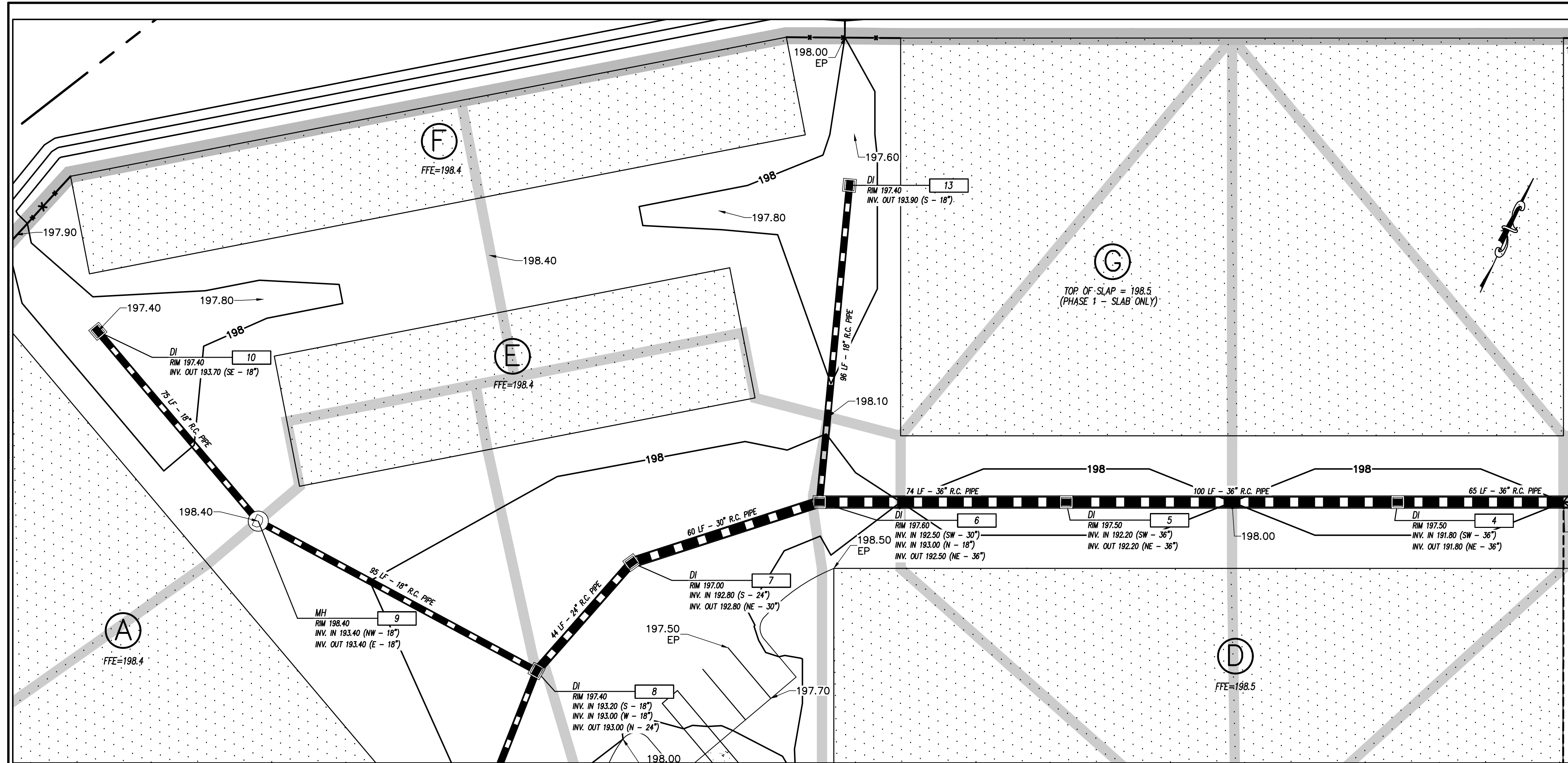
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HORZ. SCALE: 1" = 40'
VERT. SCALE: N/A
DRAWN BY: JFO
CHECKED BY: HSR
PROJECT NO.: 21-0590




GRADING PLAN NOTES:

1. CONSTRUCT AND MAINTAIN ALL EROSION AND SEDIMENTATION CONTROL PRACTICES AND MEASURES IN ACCORDANCE WITH THE APPROVED EROSION & SEDIMENTATION CONTROL PLAN AND CONSTRUCTION SCHEDULE.
2. REMOVE GOOD TOPSOIL FROM AREAS TO BE GRADED AND FILLED, AND PRESERVE IT FOR USE IN FINISHING THE GRADING OF ALL CRITICAL AREAS.
3. SCARIFY AREAS TO BE TOPSOILED TO A MINIMUM DEPTH OF 2 INCHES BEFORE PLACING TOPSOIL (PRACTICE 6.04, TOPSOILING).
4. CLEAR AND GRUB AREAS TO BE FILLED BY REMOVING TREES, VEGETATION, ROOTS, OR OTHER OBJECTIONABLE MATERIAL THAT WOULD AFFECT THE PLANNED STABILITY OF THE FILL.
5. DEPTH OF STRIPPING OF TOP SOIL AND OBJECTIONABLE MATERIAL IS NOT KNOWN; SOIL BORINGS WERE NOT AVAILABLE AT TIME OF DESIGN.
6. SITE WILL HAVE A NET BORROW FOR FILL; THEREFORE, THE BORROW ACTIVITY SHALL BE CONSIDERED SEPARATE LAND-DISTURBING ACTIVITY AND MUST BE PERMITTED EITHER THROUGH THE SEDIMENTATION POLLUTION CONTROL ACT AS A ONE-USE BORROW SITE OR THROUGH THE MINING ACT. ENSURE THAT FILL MATERIAL IS FREE OF BRUSH, RUBBISH, ROCKS, LOGS, STUMPS, BUILDING DEBRIS, AND OTHER MATERIALS INAPPROPRIATE FOR CONSTRUCTING STABLE FILLS.
6. PLACE ALL FILL IN LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS, AND COMPACT THE LAYERS AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, OR OTHER RELATED PROBLEMS.
9. DO NOT INCORPORATE FROZEN, SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS INTO FILL SLOPES.
10. DO NOT PLACE FILL ON A FROZEN FOUNDATION, DUE TO POSSIBLE SUBSIDENCE AND SLIPPAGE.
11. KEEP DIVERSIONS AND OTHER WATER CONVEYANCE MEASURES FREE OF SEDIMENT DURING ALL PHASES OF DEVELOPMENT.
12. HANDLE SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION IN ACCORDANCE WITH APPROVED METHODS (PRACTICE 6.81, SUBSURFACE DRAIN).
13. PERMANENTLY STABILIZE ALL GRADED AREAS IMMEDIATELY AFTER FINAL GRADING IS COMPLETED ON EACH AREA IN THE GRADING PLAN. APPLY TEMPORARY STABILIZATION MEASURES ON ALL GRADED AREAS WHEN WORK IS TO BE INTERRUPTED OR DELAYED FOR 15 WORKING DAYS OR LONGER.
14. TOPSOIL STOCKPILES, BORROW AREAS, AND SPOIL AREAS ON SHOWN ON THE EROSION & SEDIMENT CONTROL PLANS; MAKE SURE THEY ARE ADEQUATELY PROTECTED FROM EROSION.
15. SOIL STABILIZATION GUIDELINES ARE INCLUDED IN THE EROSION & SEDIMENT CONTROL PLAN.
16. PERIODICALLY, CHECK ALL GRADED AREAS AND THE SUPPORTING EROSION AND SEDIMENTATION CONTROL PRACTICES, ESPECIALLY AFTER HEAVY RAINFALLS.
17. PROMPTLY REMOVE ALL SEDIMENT FROM DIVERSIONS AND OTHER WATER-DISPOSAL PRACTICES.
18. IF WASHOUTS OR BREAKS OCCUR, REPAIR THEM IMMEDIATELY. PROMPT MAINTENANCE OF SMALL ERODED AREAS BEFORE THEY BECOME SIGNIFICANT GULLIES IS AN ESSENTIAL PART OF AN EFFECTIVE EROSION AND SEDIMENTATION CONTROL PLAN.







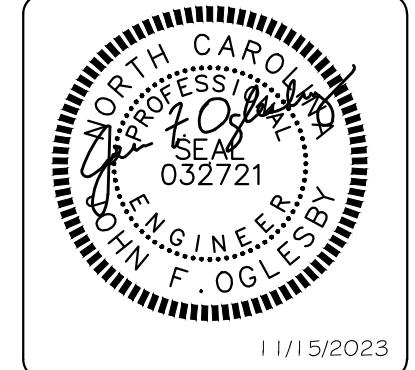
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CONSTRUCTION DRAWINGS FOR
AMPLE STORAGE
LOCATED IN TOWN OF ERWIN
HARRIS COUNTY, NORTH CAROLINA
LAND OWNER: TURTLE RUN, LLC
GUY LAMPE JR - MANAGER
CONTACT: (919) 934-0041
SWITZEL, NC 27577

CONTACT:
TERRY WETHINGTON - PM (252) 670-2664

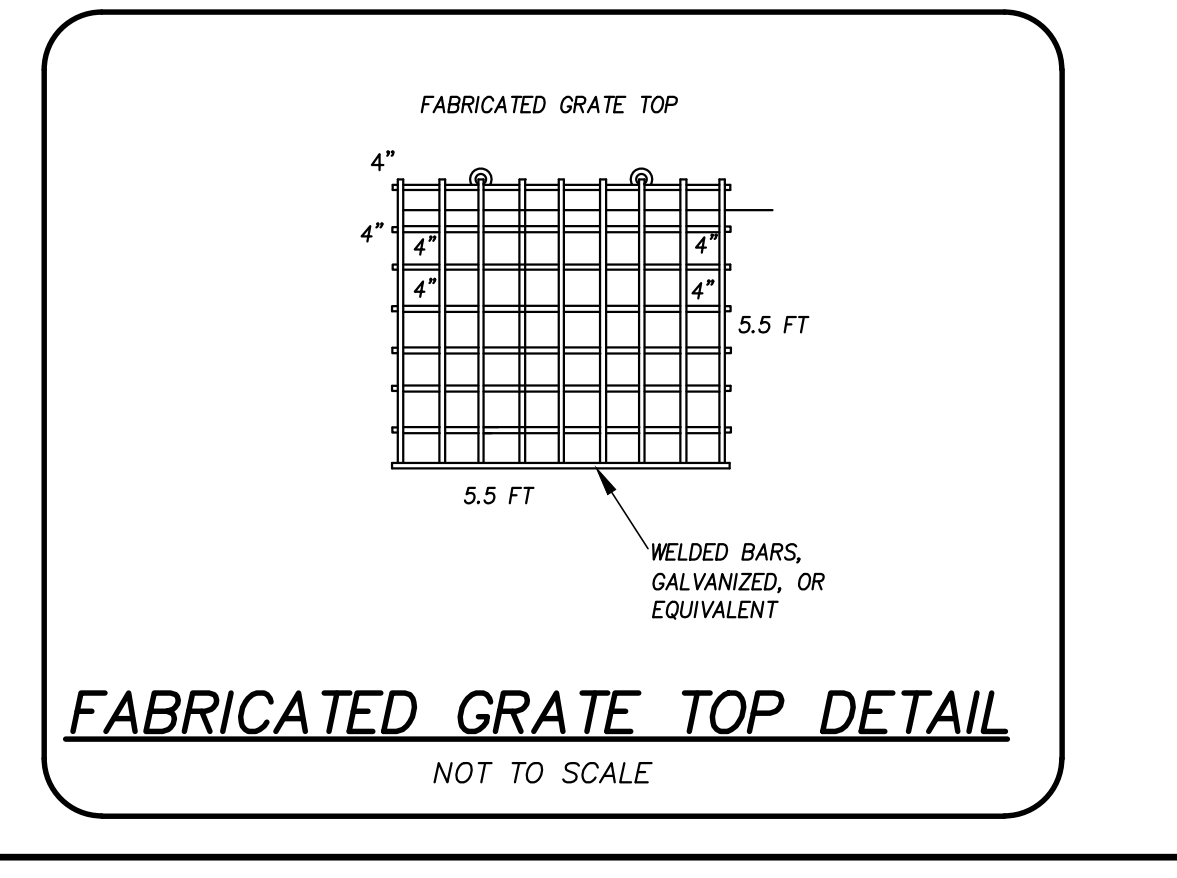
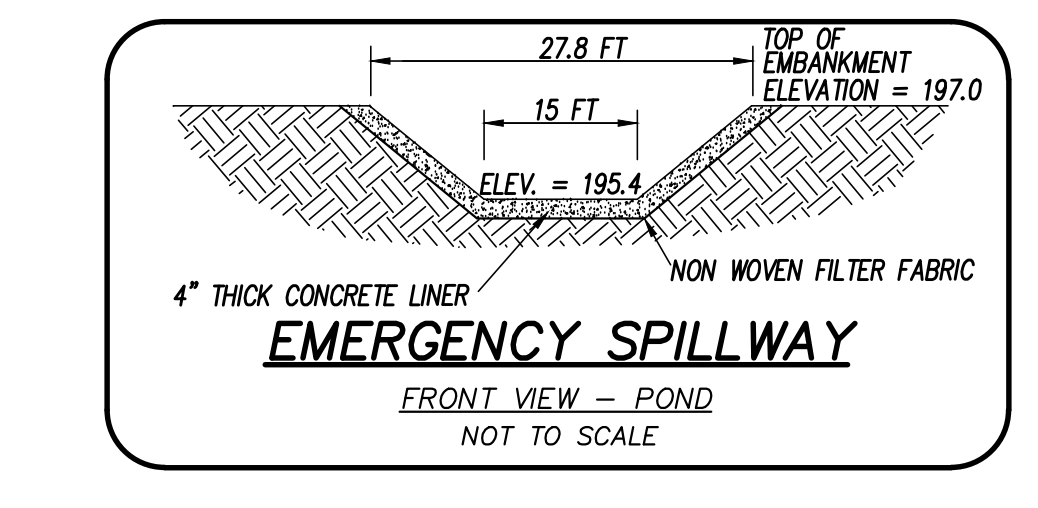
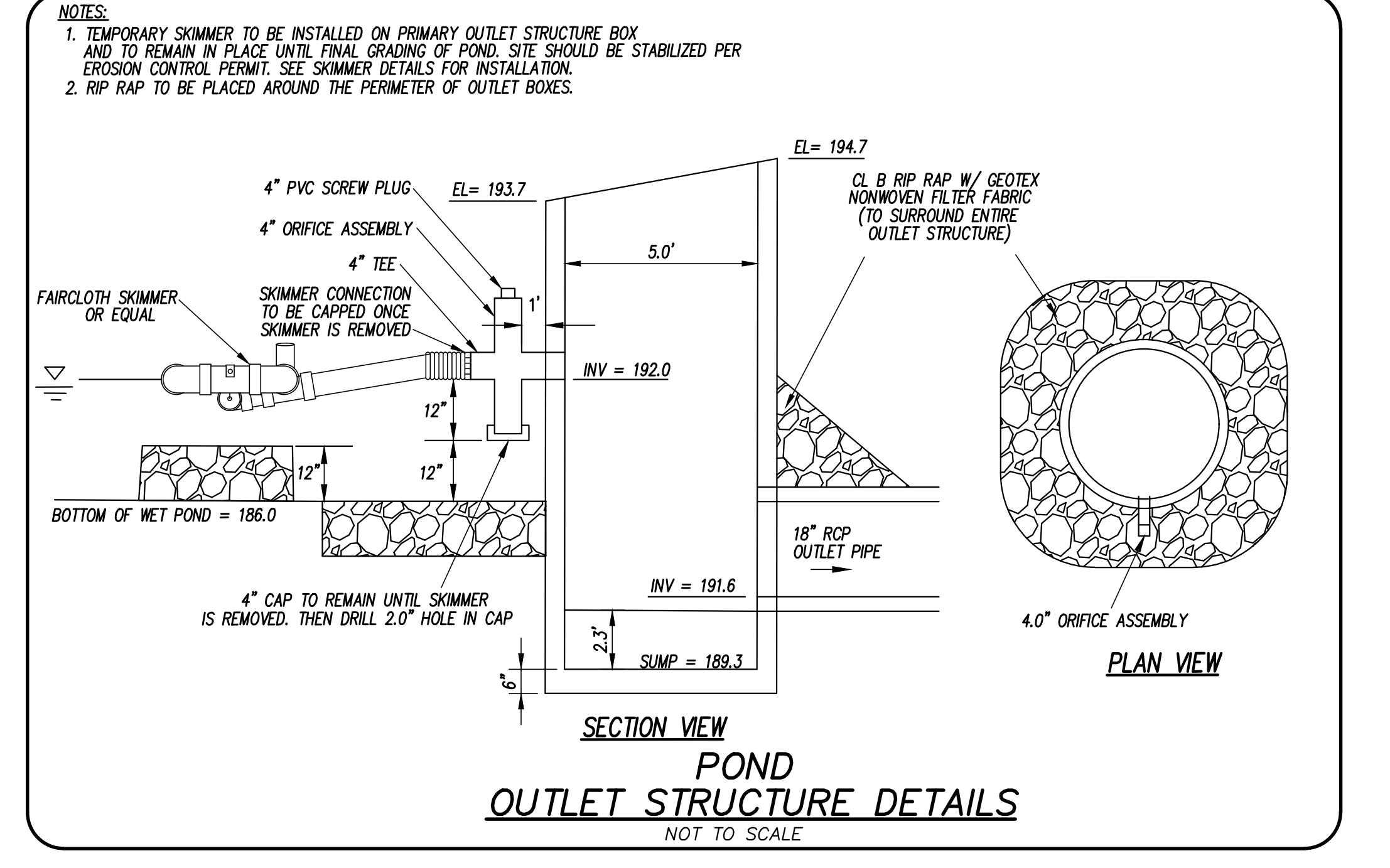
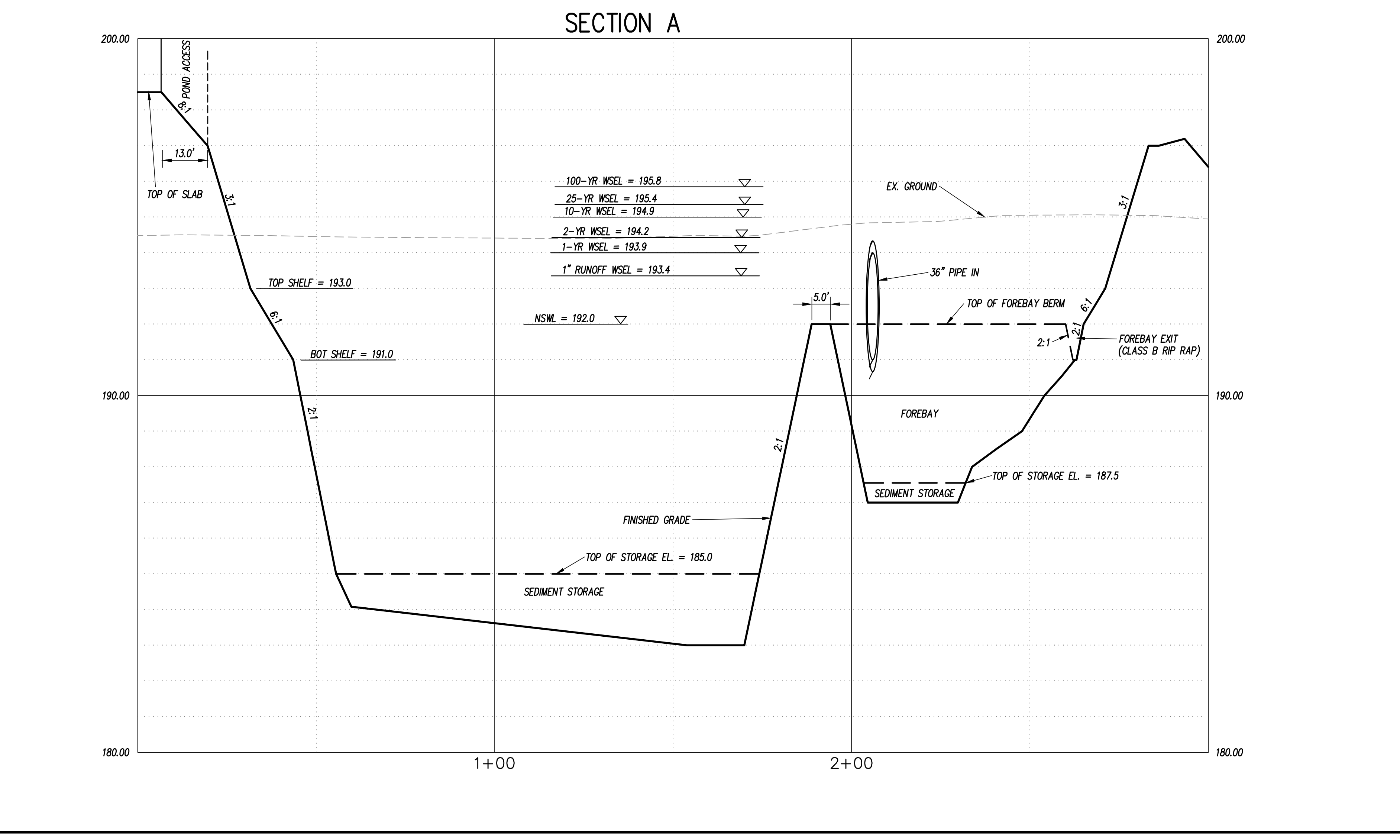
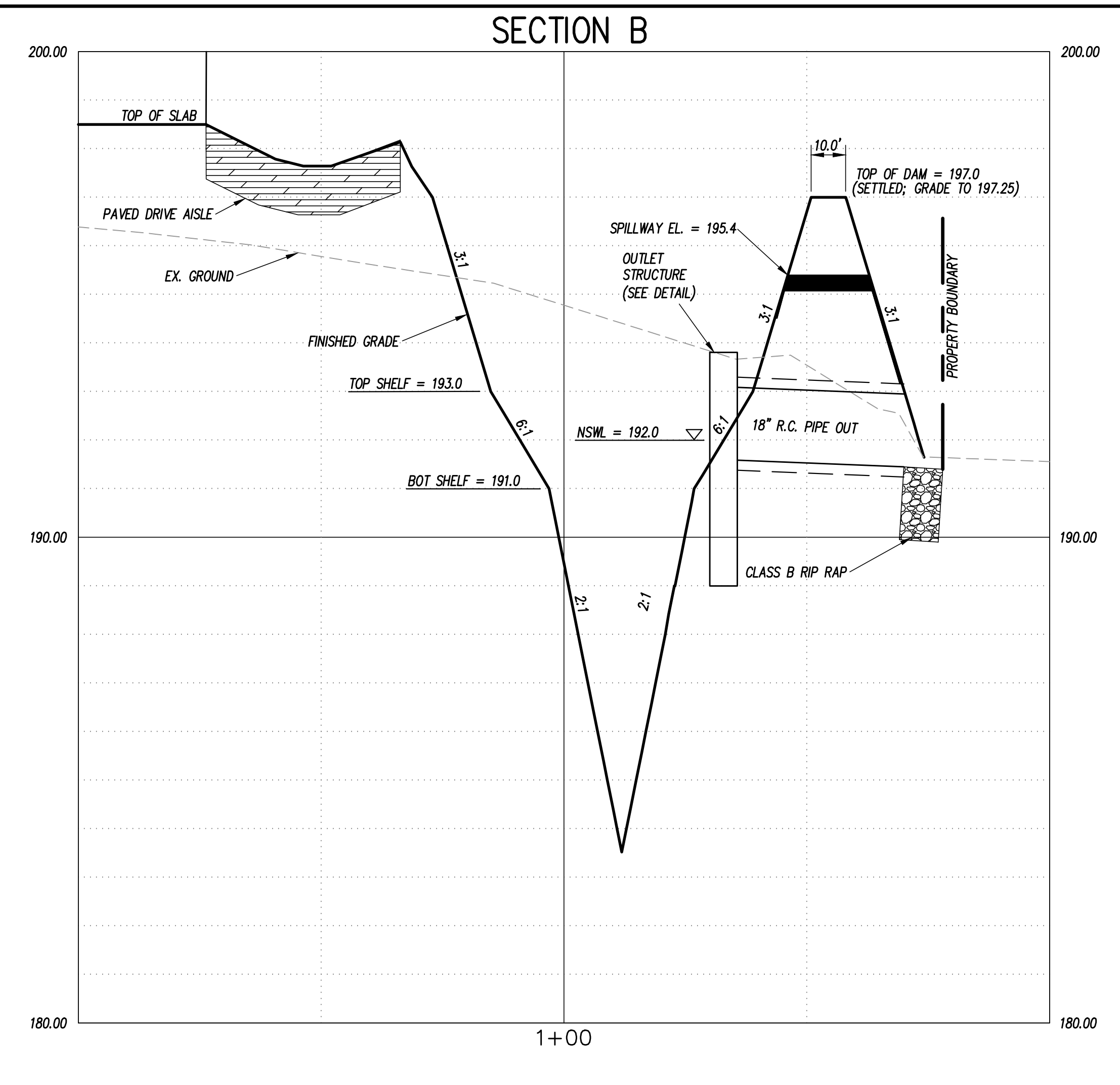
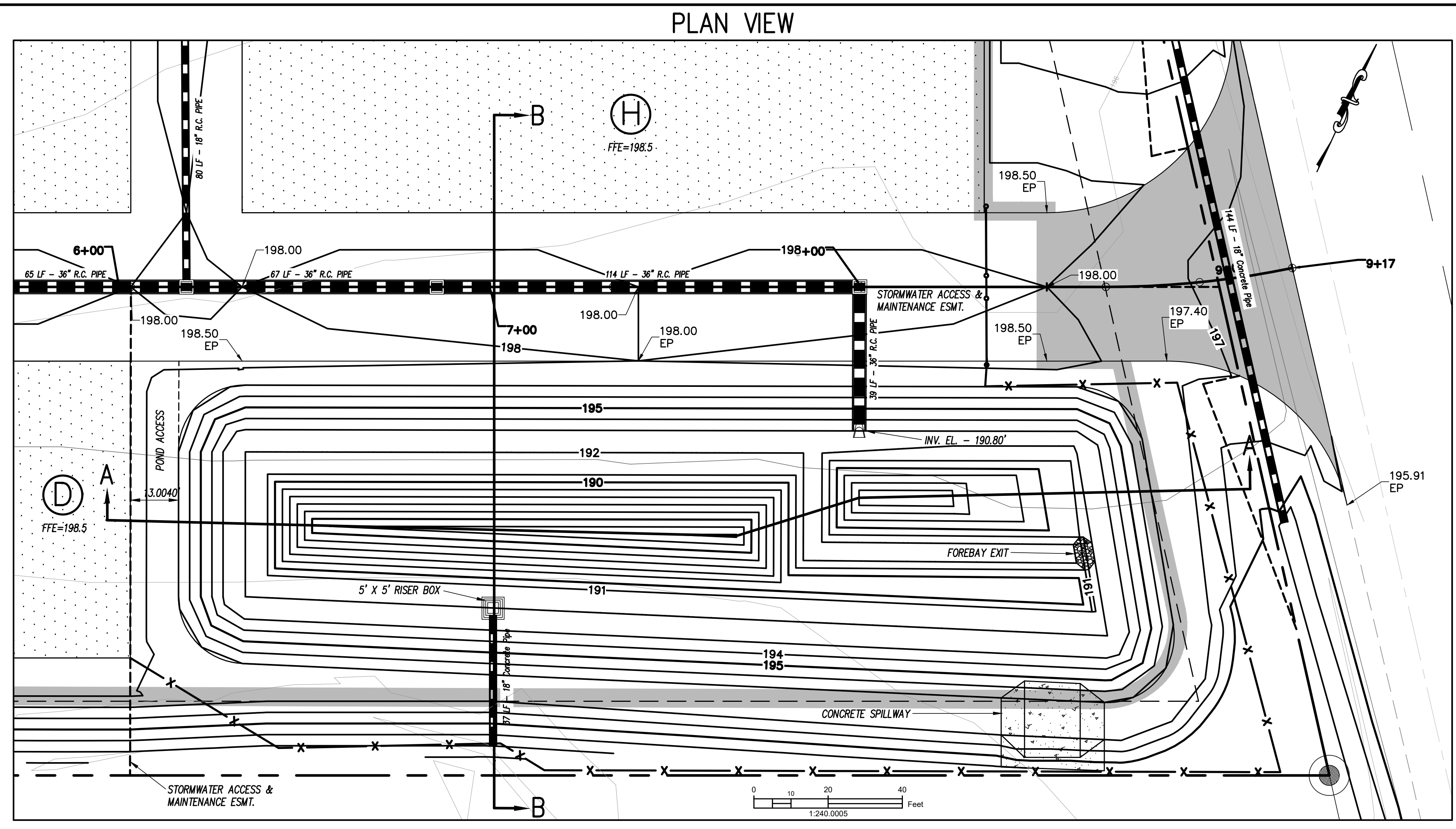


11/15/2023

REMARKS	REV. NO.	DATE

DATE: 11/15/2023
 HORZ. SCALE: 1" = 20'
 VERT. SCALE: 1" = 2'
 DRAWN BY: JFO
 CHECKED BY: HSR
 PROJECT NO.: 21-0590

C4.1
 Sheet No. 5 of 16



- NOTES:
- TEMPORARY SKIMMER TO BE INSTALLED ON PRIMARY OUTLET STRUCTURE BOX AND TO REMAIN IN PLACE UNTIL FINAL GRADING OF POND. SITE SHOULD BE STABILIZED PER EROSION CONTROL PERMIT. SEE SKIMMER DETAILS FOR INSTALLATION.
 - RIP RAP TO BE PLACED AROUND THE PERIMETER OF OUTLET BOXES.

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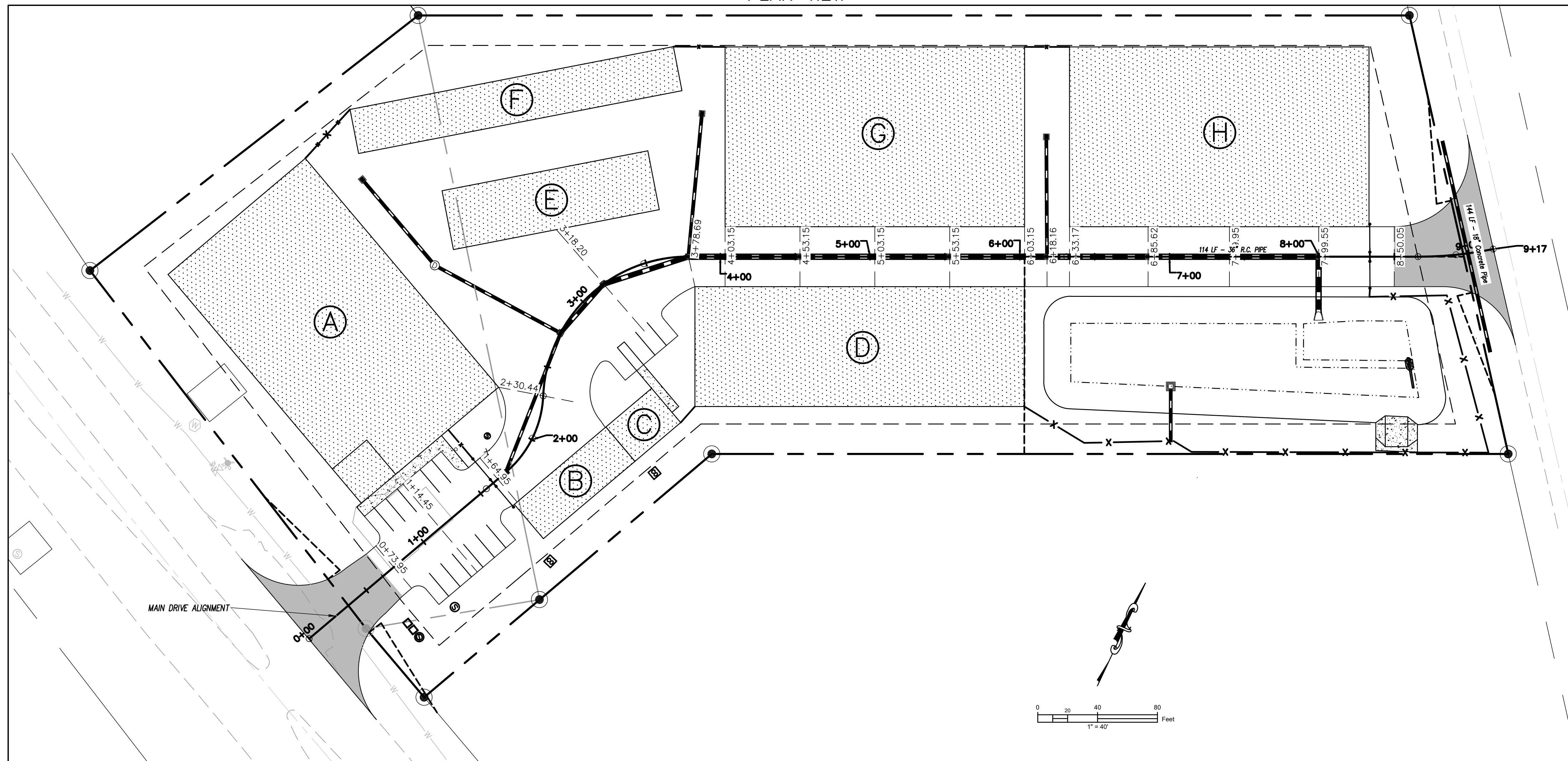
CONSTRUCTION DRAWINGS FOR
AMPLE STORAGE
LOCATED IN TOWN OF JERWIN
HARRIS COUNTY, NORTH CAROLINA
LAND OWNER: TURTLE RUN, LLC
GUY LAMPE JR. - MANAGER
CONTACT: (919) 934-0041
TERRY WETHINGTON - PM (252) 670-2664

NORTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
032721
JAMES H. FOGLEBY
11/15/2023

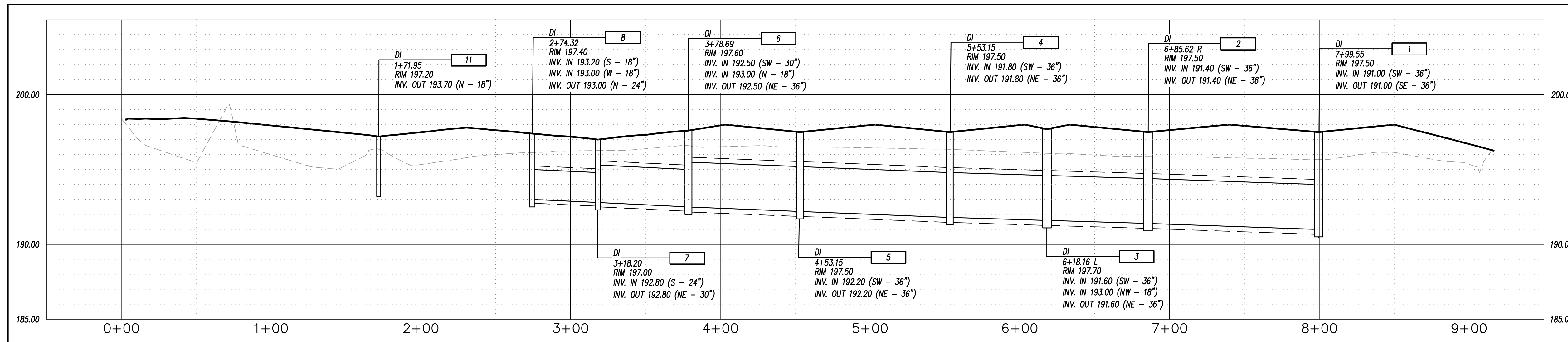
REMARKS	DATE

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VERT. SCALE: 1" = 2'	
DRAWN BY: JFO	
CHECKED BY: HSR	
PROJECT NO.: 21-0590	
C4.2	
Sheet No. 6 of 16	

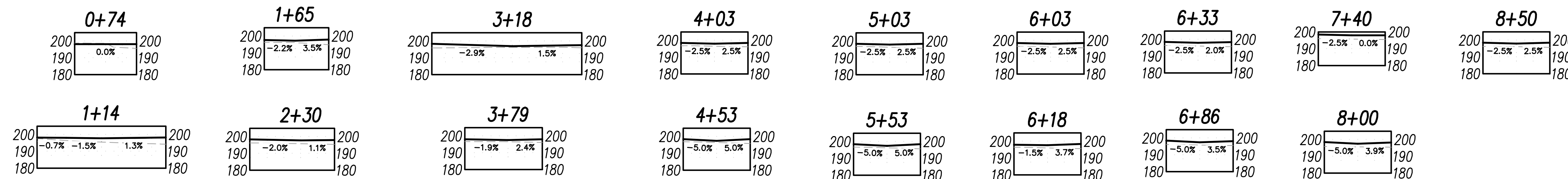
PLAN VIEW



MAIN DRIVE - PROFILE VIEW



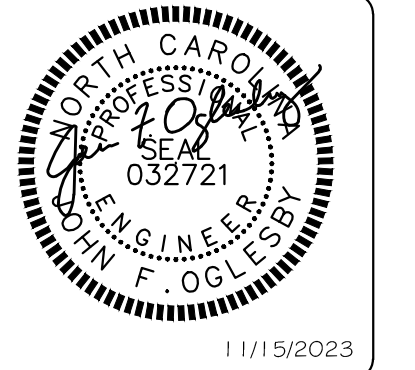
MAIN DRIVE - SECTION VIEWS



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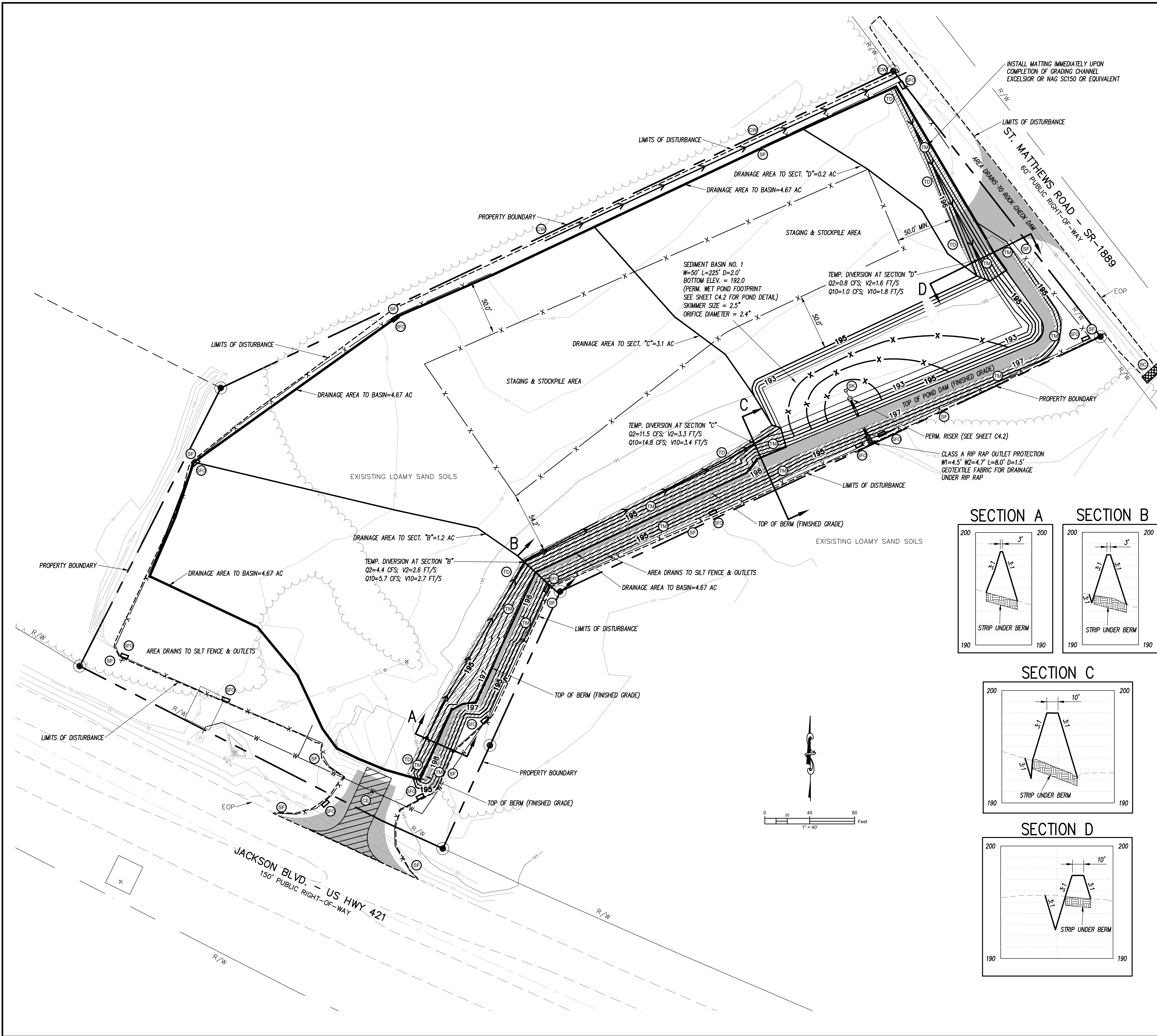
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CONSTRUCTION DRAWINGS FOR
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HARRIS COUNTY, NORTH CAROLINA
LAND OWNER: TURTLE RUN, LLC
GUY LAMPE JR - MANAGER
CONTACT: (919) 934-3041
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REV. NO.	REMARKS	BY	DATE

DATE: 11/15/2023
HORZ SCALE: 1" = 40'
VERT. SCALE: 1" = 4'
DRAWN BY: JFO
CHECKED BY: HSR
PROJECT NO.: 21-0590
C4.3
Sheet No. 7 of 16

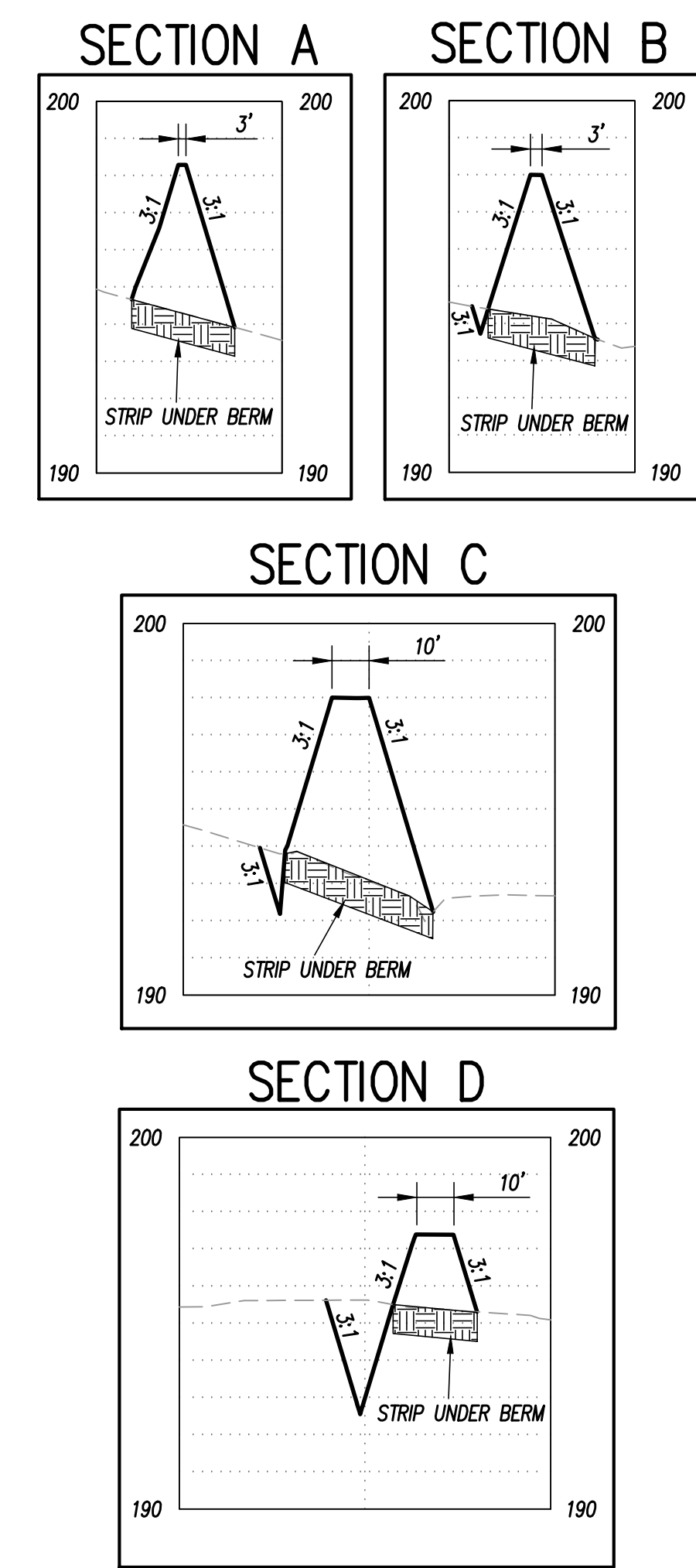


CONSTRUCTION SEQUENCE

- OBTAIN APPROVAL OF EROSION AND SEDIMENT CONTROL PLAN, NCCO1 CERTIFICATE OF COVERAGE PLAN AND LOCAL LAND DISTURBANCE PERMIT.
- FLAG WORK LIMITS, CLEARING LIMITS, EROSION CONTROL MEASURES, AND ENTRANCES.
- HOLD PRE-CONSTRUCTION CONFERENCE PRIOR TO COMMENCING ANY LAND DISTURBING WORK.
- INSTALL GRAVEL CONSTRUCTION ENTRANCE AND PIPE.
- INSTALL SILT FENCE, ONLY CLEARING WHAT IS NECESSARY FOR ACCESS AND INSTALLATION.
- CLEAR, GRUBB AND STRIP AREA FOR PLACEMENT OF FILL FOR BERMS AND POND DAM; PLACE FILL ACCORDING TO PERMANENT FILL SPECIFICATIONS AND POND DAM DETAILS AND SPECIFICATIONS.
- IMMEDIATELY INSTALL TEMPORARY EROSION CONTROL MATTING (EXCELSIOR OR NAG SC150 OR EQUIVALENT) IN DIVERSIONS AND BERM SLOPES.
- INSTALL PERMANENT WET POND RISER AND PVC ASSEMBLY FOR SKINNER; SEE WET POND DETAILS ON SHEET C4.2; INSTALL SKINNER AND BAFFLES IN BASIN.
- CALL FOR AN ONSITE INSPECTION.
- CLEAR, GRUB AND STRIP TOPSOIL TO PREPARE FOR GRADING.
- STAGE EQUIPMENT AND MATERIALS AND STOCKPILE TOPSOIL IN THE AREA SHOWN WHILE MAINTAINING A 25' CLEAR AREA AROUND STOCK PILES.
- STABILIZE WITHIN CONSTRUCTION LIMITS ACCORDING TO SCHEDULE AND SPECIFICATION FOR TEMPORARY SEEDING AND MULCH.
- STABILIZE 3:1 SLOPES OF BERM AND POND DAM WITH TEMPORARY EROSION CONTROL MATTING/BLANKET.
- BEGIN BRINGING SITE TO FINAL SUBGRADE, UTILIZING THE TEMPORARY DIVERSIONS UNTIL SITE IS READY FOR BUILDING CONSTRUCTION.

STOCKPILE NOTES

- A 25-FOOT TEMPORARY MAINTENANCE AND ACCESS EASEMENT SHALL BE MAINTAINED AROUND ALL PROPOSED STOCKPILES; EROSION CONTROL MEASURES SURROUNDING THE STOCKPILE SHALL BE SHOWN AT THE OUTER LIMIT OF THE EASEMENT.
- STOCKPILE FOOTPRINTS SHALL BE SETBACK A MINIMUM OF 25' FROM ADJACENT PROPERTY LINES.
- STOCKPILE HEIGHT SHALL NOT EXCEED 35 FEET.
- STOCKPILE SLOPES SHALL BE 2:1 OR FLATTER.
- APPROVED MEASURES SHALL BE USED TO CONTROL SEDIMENT LOSS FROM STOCKPILE.
- STOCKPILING OF MATERIALS ADJACENT TO A CHANNEL, DRAINAGEWAY, WATERCOURSE, WETLAND, STREAM BUFFER, OR OTHER BODY OF WATER SHALL BE AVOIDED UNLESS AN ALTERNATIVE LOCATION IS DEMONSTRATED TO BE UNAVAILABLE.
- ANY CONCENTRATED FLOW LIKELY TO AFFECT THE STOCKPILE SHALL BE DIVERTED TO AN APPROVED MEASURE.
- OFF-SITE SPOIL OR BORROW AREAS MUST BE IN COMPLIANCE WITH STATE REGULATIONS; ALL SPOIL AREAS OVER ONE ACRE ARE REQUIRED TO HAVE AN APPROVED SEDIMENT CONTROL PLAN. THE DEVELOPER/CONTRACTOR SHALL NOTIFY THE STATE OF OFFSITE DISPOSAL OF SOIL PRIOR TO DISPOSAL. FILL OF FEMA FLOODWAYS AND NON-ENCROACHMENT AREAS ARE PROHIBITED.



ESC PLAN LEGEND

- EXISTING BOUNDARY
- - - LIMITS OF CONSTRUCTION/DISTURBANCE
- EXISTING CULVERT
- EXISTING CULVERT
- CE CONSTRUCTION ENTRANCE
- SF SILT FENCE/SILT FENCE OUTLET
- PROPOSED CULVERT
- W MATTE
- SC TEMP. STD. ROCK CHECK DAM
- PC PERMANENT ROCK CHECK DAM
- SK SEDIMENT BASIN SKINNER
- IP ROCK INLET PROTECTION
- PP ROCK PIPE INLET PROTECTION
- TD TEMP. PIPE
- TP TREE PROTECTION FENCE
- TD TEMP. DIVERSION
- TM TEMP. EC MATTING
- PM PERMANENT SOIL REINFORCEMENT MATTING

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EROSION & SEDIMENT CONTROL PLAN
STAGE 1 - CLEARING & GRUBBING

CONSTRUCTION DRAWINGS FOR
AMPLE STORAGE
LOCATED IN TOWN OF ERWIN
HARRIS COUNTY, NORTH CAROLINA

LAND OWNER: TURTLE RUN, LLC
GUY LAMPE JR. - MANAGER
SWITHELD, NC 27577
(919) 934-0041

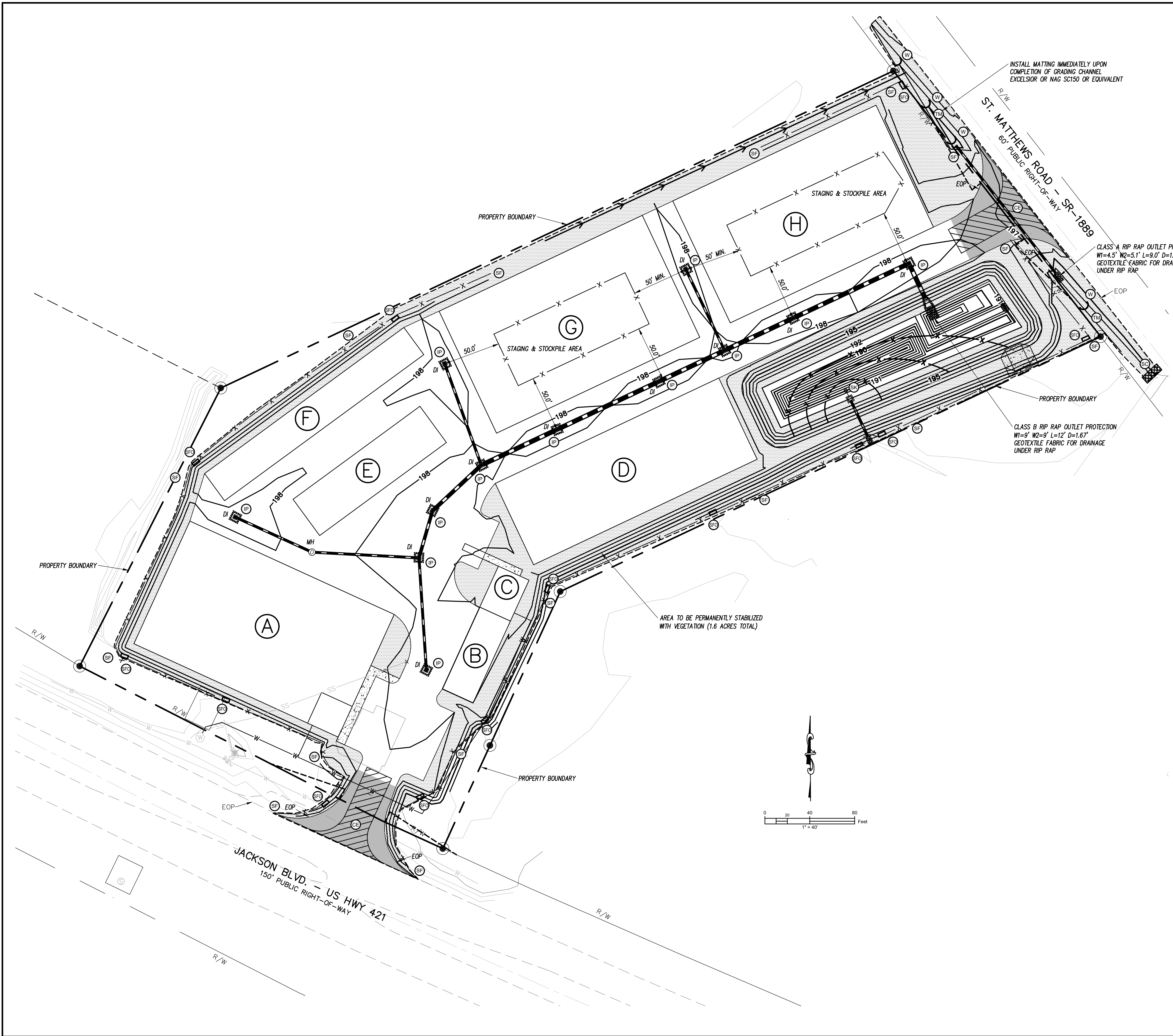
CONTACT: TERRY WETHINGTON - PM (252) 670-2664

11/15/2023

REV.	NO.	DATE	REMARKS

DATE: 11/15/2023
HORZ. SCALE: 1" = 40'
VERT. SCALE: N/A
DRAWN BY: JFO
CHECKED BY: HSR
PROJECT NO.: 21-0590

C5.0
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- ### CONSTRUCTION SEQUENCE
1. INSTALL DRIVEWAY PIPE AND GRADE NEW ROADSIDE CHANNEL; LINE CHANNEL IMMEDIATELY WITH TEMP. MATTING EXCELISOR OR HAG SC150 OR EQUIVALENT; INSTALL TEMP. CONSTRUCTION ENTRANCE AS NECESSARY.
 2. INSTALL PROPOSED SITE STORM DRAINAGE AS GRADING ALLOWS; INSTALL INLET PROTECTION AT DRAINAGE STRUCTURES UNTIL MAIN DRIVE IS STABILIZED WITH PERMANENT SURFACE TREATMENT.
 3. CONTINUE BRINGING SITE TO FINAL SUB-GRADE ELEVATIONS FOR BUILDING SLABS AND PAVEMENT SECTIONS.
 4. CONSTRUCT BUILDING SLABS ONCE SUB-GRADE ELEVATIONS HAVE BEEN REACHED AND TESTED FOR PROPER COMPACTION; BEGIN VERTICAL BUILDING CONSTRUCTION.
 5. INSTALL AGGREGATE BASE COURSE IN PAVEMENT AREAS ONCE SUB-GRADE ELEVATIONS HAVE BEEN REACHED AND TESTED FOR PROPER COMPACTION.
 6. GRADE WET POND TO FINISHED GRADE WHILE MAINTAINING A SUITABLE SEDIMENT BASIN WITH SKIMMER ATTACHED TO RISER.
 7. PREPARE AREAS FOR PERMANENT SEEDING AND MULCH BY SPREADING OF TOPSOIL (SEE SOIL STABILIZATION GUIDELINES).
 8. STABILIZE SLOPES WITH TEMPORARY EROSION CONTROL MATTING/BLANKET.
 9. SMOOTH GRADE ABC IN PAVEMENT AREAS AND PROOF ROLL; INSTALL PAVEMENT AND SIDEWALKS ONCE PROPER SUB-GRADE TREATMENT IS COMPLETED.
 10. INSPECT SITE AND STABILIZE AREAS AS NEEDED ACCORDING TO THE SOIL STABILIZATION GUIDELINES.
 11. REMOVE EROSION & SEDIMENT CONTROL MEASURES AND STABILIZE DENUDED AREAS WITH PERMANENT SEED AND MULCH.

- ### MAINTENANCE PLAN
1. ALL MEASURES ARE TO BE INSPECTED WEEKLY AND AFTER ANY RAINFALL; REPAIRS MADE IMMEDIATELY IF NECESSARY.
 2. SEDIMENT IS TO BE REMOVED FROM SWALES AND DIVERSIONS WHEN THEY ARE APPROX. 50% FILLED OR WHEN SEDIMENT LEVEL IS WITHIN 1.0' OF TOP OF BANK.
 3. SEDIMENT IS TO BE REMOVED FROM SILT FENCE AND INLET PROTECTION MEASURES WHEN 0.5' DEEP; FABRIC AND STONE TO BE REPAIRED AS NEEDED TO MAINTAIN A SEDIMENT BARRIER.
 4. SEEDING AREAS SHALL BE FERTILIZED, MULCHED, AND RE-SEEDING AS NECESSARY; ACCORDING TO THE SPECIFICATIONS PROVIDED, TO MAINTAIN A SUITABLE VEGETATIVE COVER.
 5. THE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED IN SUCH A MANNER AS TO PREVENT MUD OR SEDIMENT FROM LEAVING THE CONSTRUCTION SITE; TOP DRESSING WITH 2-INCH STONE MAY BE REQUIRED.
 6. IMMEDIATELY REMOVE SEDIMENT SPILLED, WASHED, OR TRACKED ONTO PUBLIC ROADWAYS.
 7. INSPECT SEDIMENT BASINS AS DIRECTED; REMOVE SEDIMENT FROM ENTIRE BASIN AND RESTORE BASIN TO ORIGINAL DIMENSIONS WHEN SEDIMENT ACCUMULATES TO ONE-HALF THE BASIN DEPTH; INSPECT OUTLET TO ENSURE IT IS PROPERLY FUNCTIONING.
 8. IF SKIMMER/OUTLET IS CLOGGED WITH TRASH, DISCHARGE BY JERKING THE ROPE UP AND DOWN OR PULL SKIMMER TO SIDE OF BASIN AND REMOVE DEBRIS BY HAND; INSPECT ORIFICE.
 9. REMOVE SEDIMENT FROM BEHIND BAFFLES ONCE ACCUMULATION HAS REACHED ONE-HALF THE HEIGHT OF THE FIRST BAFFLE; REPLACE BAFFLES PROMPTLY IF THEY COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE.
 10. INSPECT CHECK DAMS AS DIRECTED AND CLEAR STONE OF DEBRIS AND ACCUMULATED SEDIMENT; TAKE CARE NOT TO DAMAGE OR UNDERCUT THE STRUCTURAL STONE DURING SEDIMENT REMOVAL; REPLACE SEDIMENT STONE AS NEEDED.
 11. REFER TO MAINTENANCE SPECIFICATIONS AND REQUIREMENTS IN THE NORTH CAROLINA "EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL."

ESC PLAN LEGEND

	EXISTING BOUNDARY
	LIMITS OF CONSTRUCTION/DISTURBANCE
	EXISTING CULVERT
	CONSTRUCTION ENTRANCE
	SILT FENCE/SILT FENCE OUTLET
	PROPOSED CULVERT
	WATTLE
	TEMP. STD. ROCK CHECK DAM
	PERMANENT ROCK CHECK DAM
	SEDIMENT BASIN SKIMMER
	ROCK INLET PROTECTION
	ROCK PIPE INLET PROTECTION
	TEMP. PIPE
	TREE PROTECTION FENCE
	TEMP. DIVERSION
	TEMP. EC MATTING
	PERMANENT SOIL REINFORCEMENT MATTING

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EROSION & SEDIMENT CONTROL PLAN
STAGE 2 - FINAL

CONSTRUCTION DRAWINGS FOR
AMPLE STORAGE
LOCATED IN TOWN OF ERWIN
HARRIETT COUNTY, NORTH CAROLINA

LAND OWNER: TURTLE RUN, LLC
GUY LAMPE JR. - MANAGER
CONTACT: (919) 934-0041
TERRY WETHINGTON - PM (252) 670-2664

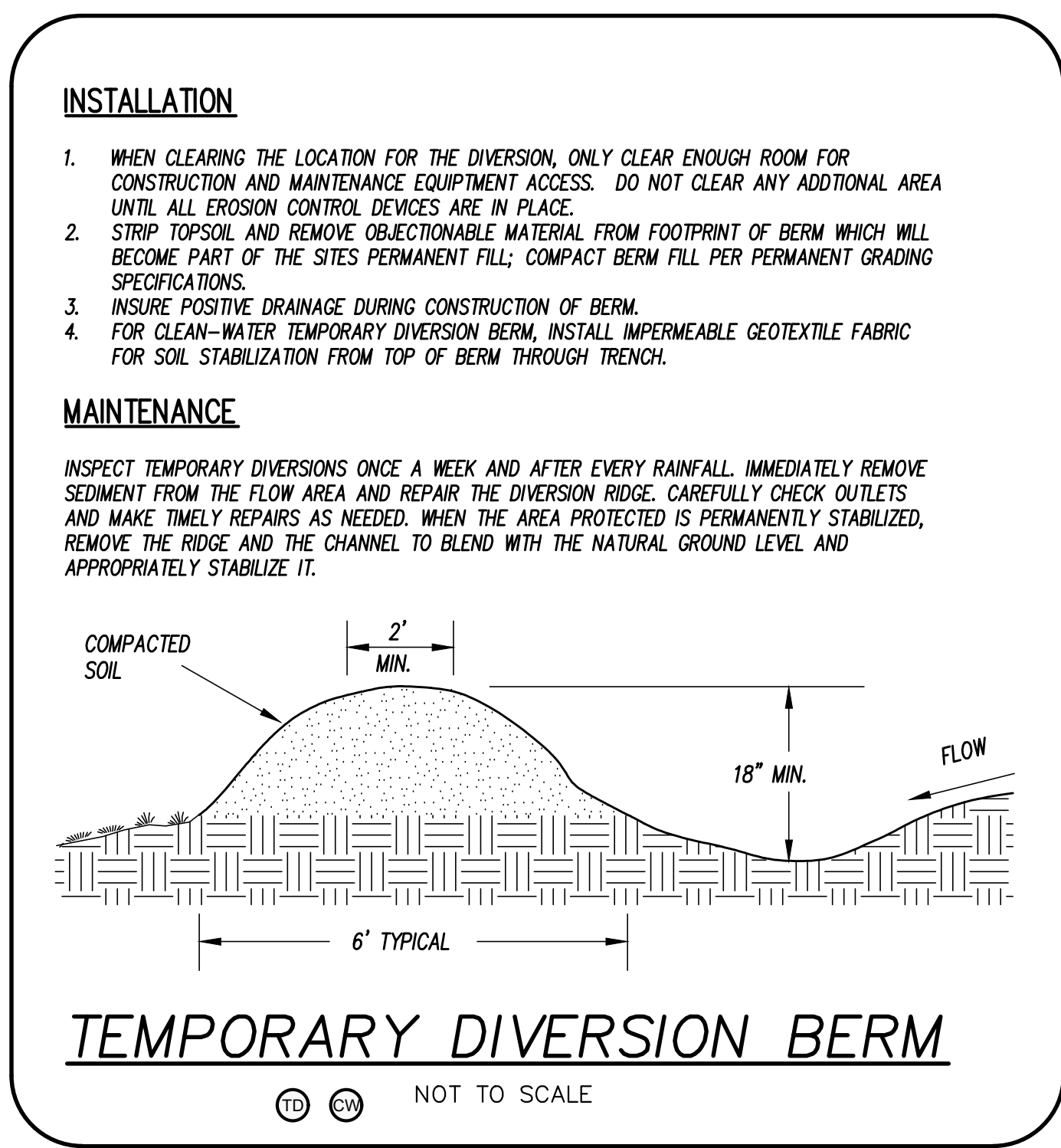
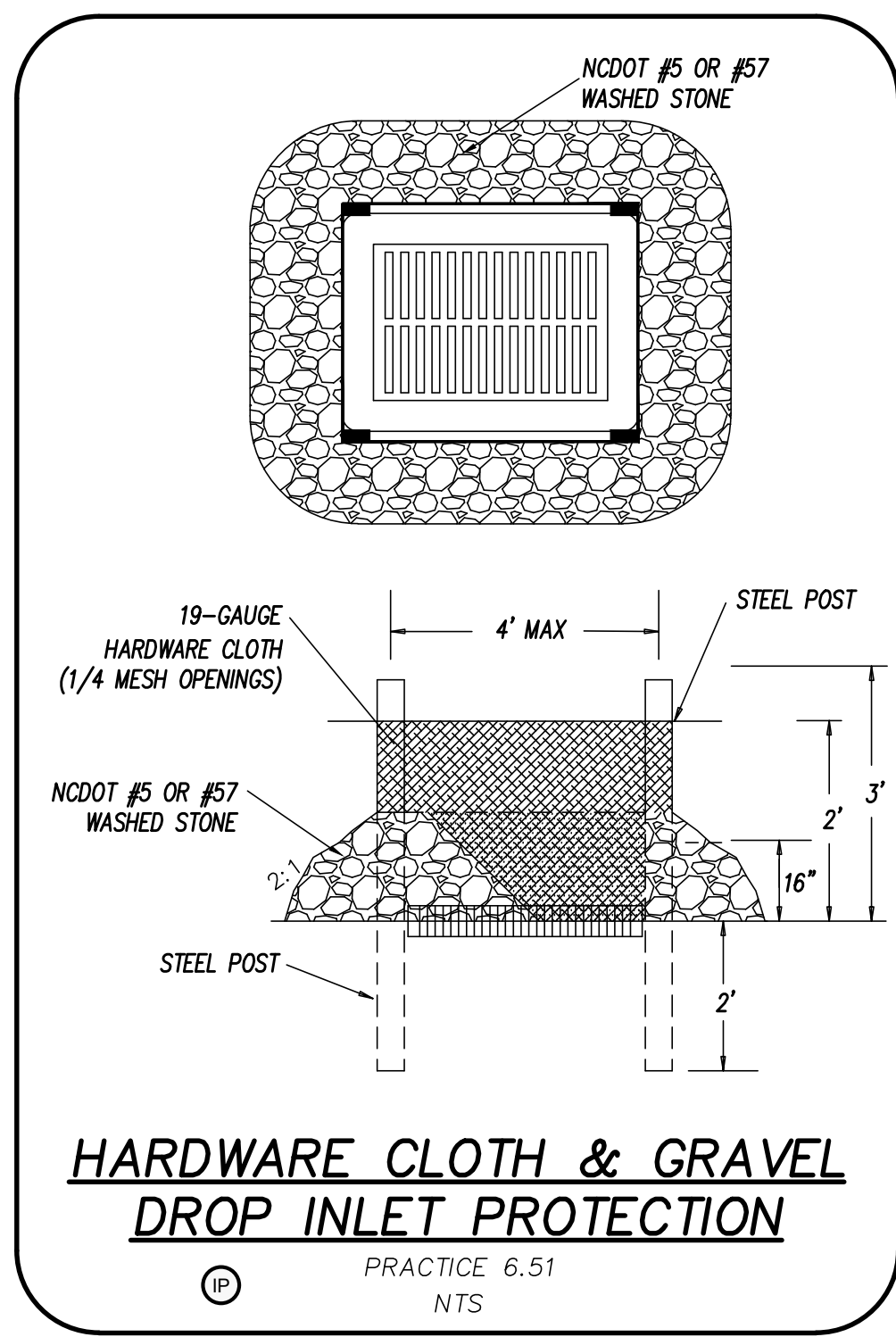
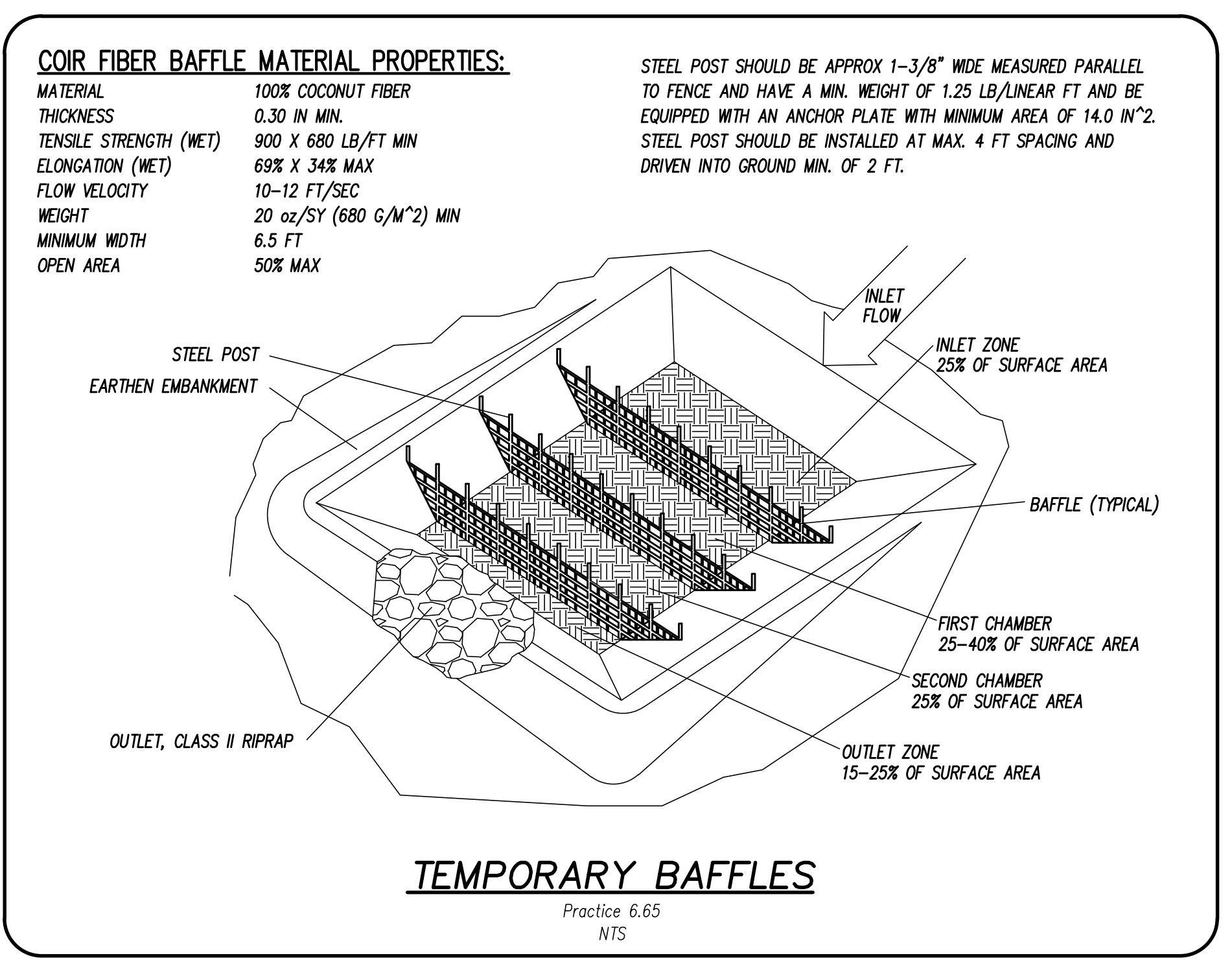
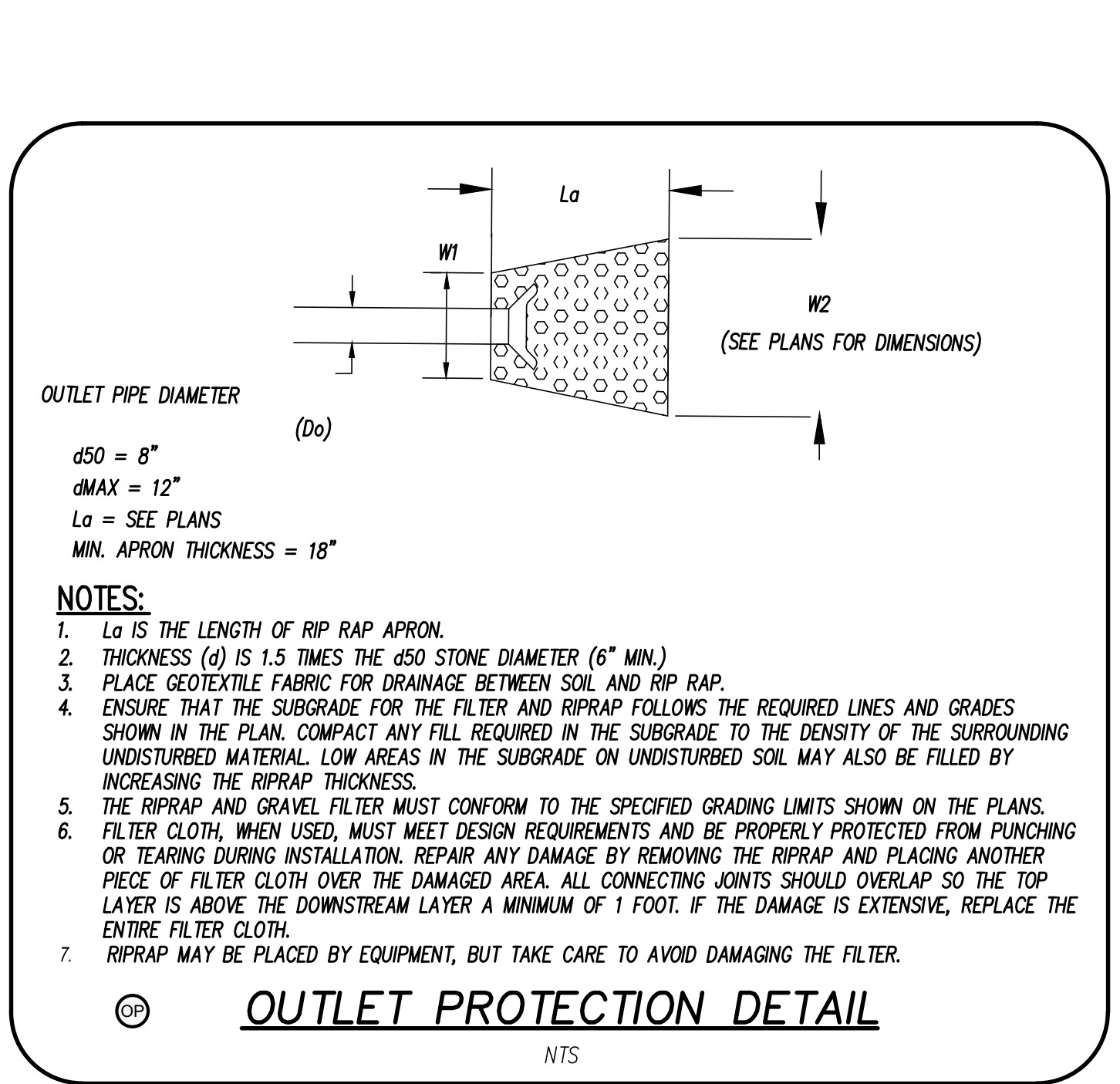
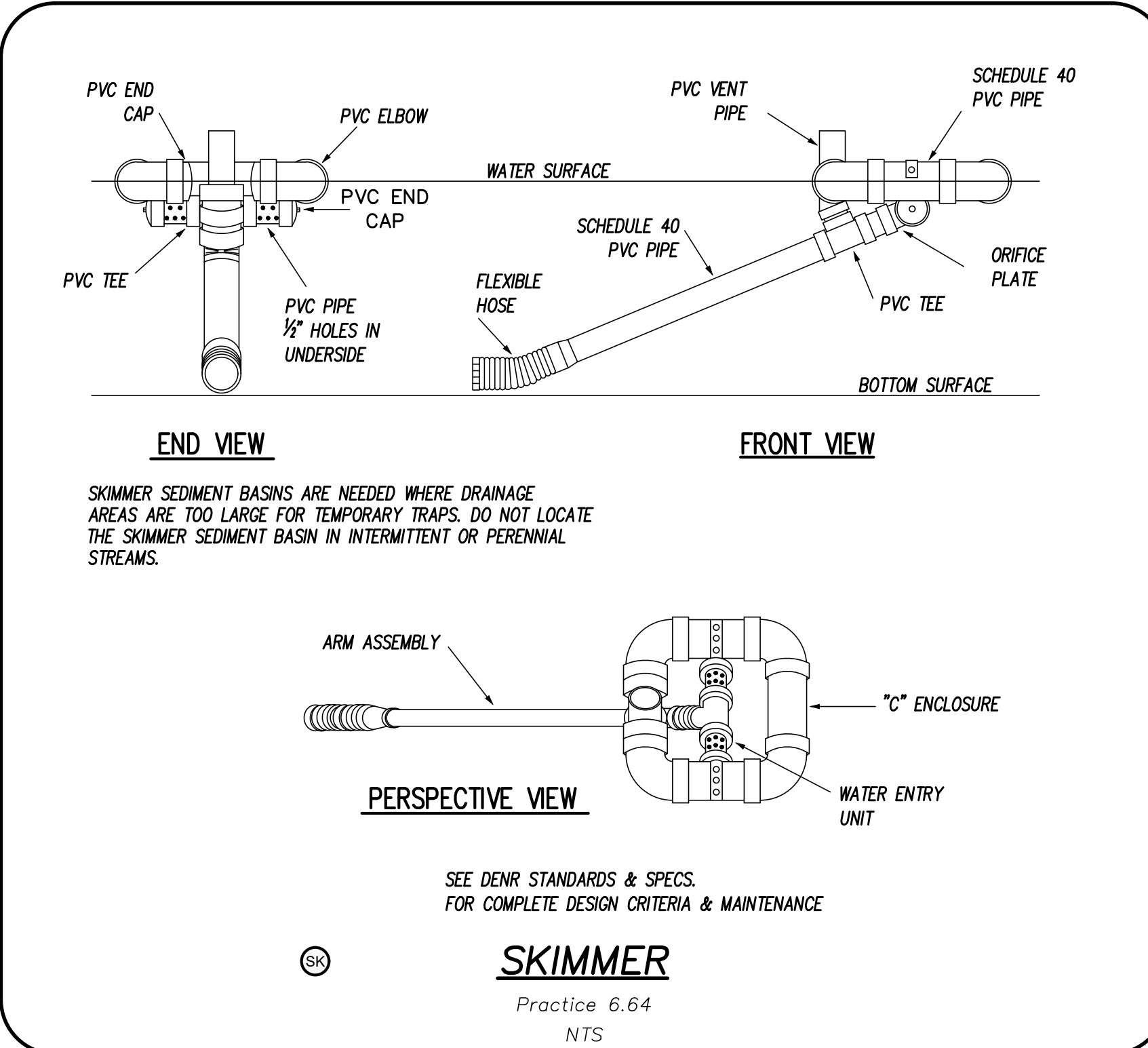
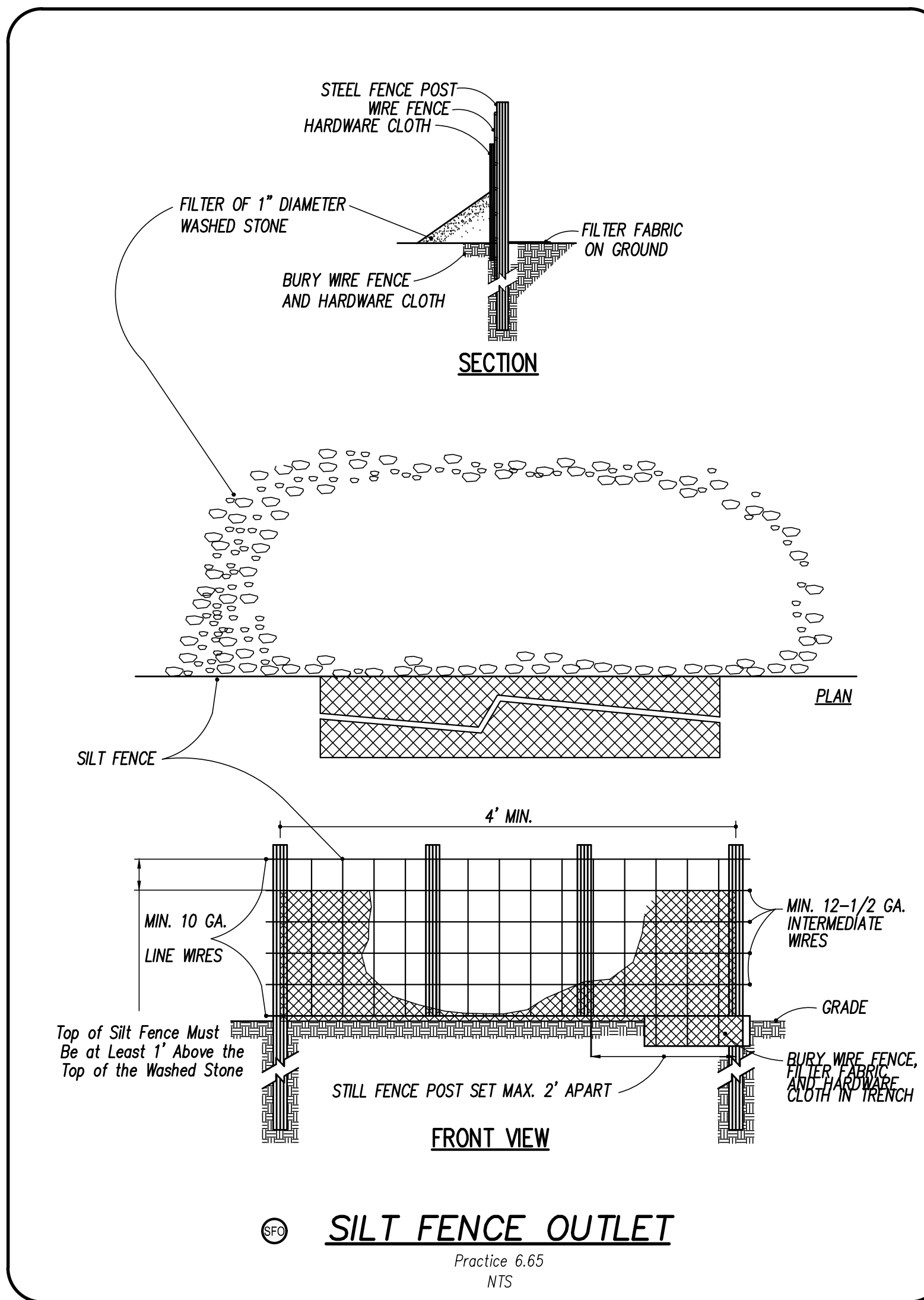
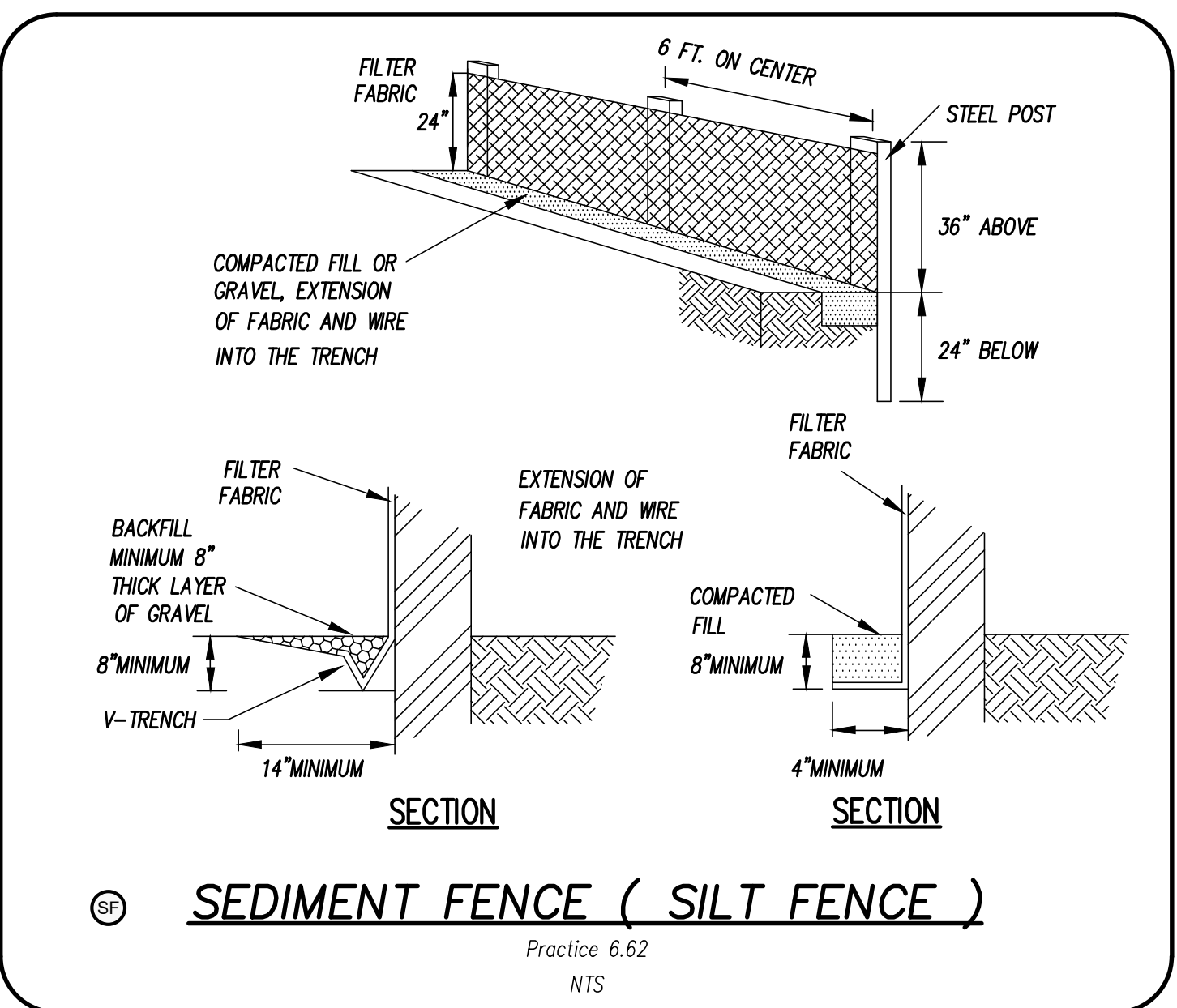
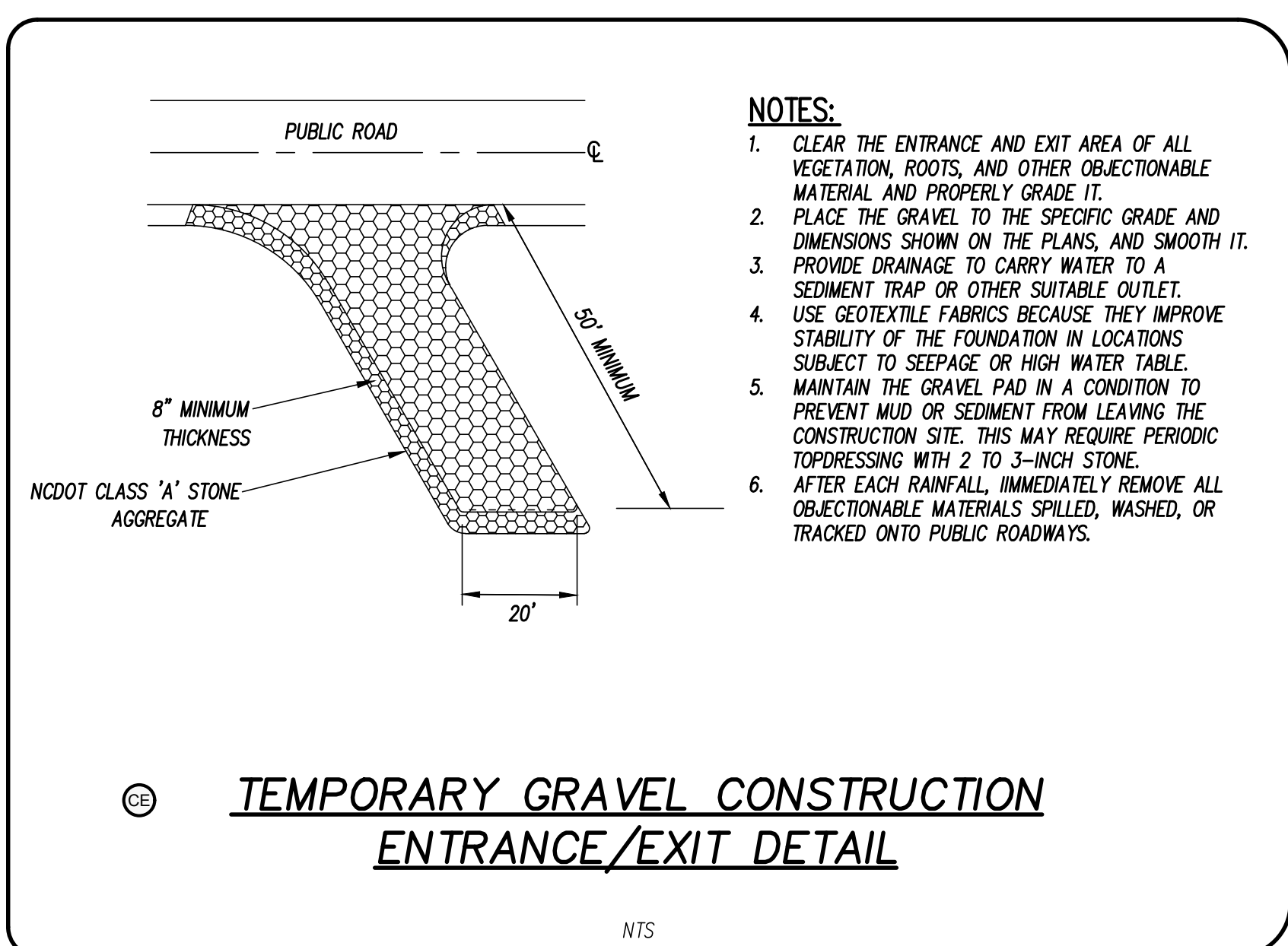
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REMARKS	REV. NO.	DATE

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 DRAWN BY: JFO
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SOIL STABILIZATION GUIDELINES

SEEDBED PREPARATION

1. CHISEL COMPACTED AREAS AND SPREAD TOPSOIL THREE INCHES DEEP OVER ADVERSE SOIL CONDITIONS, IF AVAILABLE.
2. RIP THE ENTIRE AREA TO SIX INCHES DEEP.
3. REMOVE ALL LOOSE ROCK, ROOTS AND OTHER OBSTRUCTIONS, LEAVING SURFACE REASONABLY SMOOTH AND UNIFORM.
4. APPLY AGRICULTURAL LIME, FERTILIZER AND SUPER-PHOSPHATE UNIFORMLY AND MIX WITH SOIL (SEE MIXTURE BELOW).
5. CONTINUE TILLAGE UNTIL A WELL-PULVERIZED, FIRM, REASONABLY UNIFORM SEEDBED IS PREPARED FOUR TO SIX INCHES DEEP.
6. SEED ON A FRESHLY PREPARED SEEDBED AND COVER SEED LIGHTLY WITH SEEDING EQUIPMENT OR CULTI-PACK AFTER SEEDING.
7. MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH.
8. INSPECT ALL SEEDED AREAS AND MAKE NECESSARY REPAIRS OR RESEEDINGS WITHIN THE PLANTING SEASON, IF POSSIBLE. IF STAND SHOULD BE MORE THAN 60% DAMAGED, RE-ESTABLISH FOLLOWING THE ORIGINAL LIME, FERTILIZER AND SEEDING RATES.
9. CONSULT S&EC ENVIRONMENTAL ENGINEERS ON MAINTENANCE TREATMENT AND FERTILIZATION AFTER PERMANENT COVER IS ESTABLISHED.
10. CONSULT S&EC ENVIRONMENTAL ENGINEERS FOR ADDITIONAL INFORMATION CONCERNING OTHER ALTERNATIVES FOR VEGETATION OF DENUEDED AREAS. THE BELOW VEGETATION RATES ARE THOSE THAT DO WELL UNDER LOCAL CONDITIONS; OTHER SEEDING RATE COMBINATIONS ARE POSSIBLE.

MIXTURE

AGRICULTURAL LIMESTONE	2 TONS/ACRE (3 TONS/ACRE IN CLAY SOILS)
FERTILIZER	1,000 LBS/ACRE - 10-10-10
SUPERPHOSPHATE	500 LBS/ACRE - 20% ANALYSIS
MULCH	2 TONS/ACRE - SMALL GRASS STRAW
ANCHOR	ASPHALT EMULSION AT 300 GALS/ACRE

SEEDING SCHEDULE

FOR SHOULDERS, SIDE DITCHES, SLOPES (3:1 MAX):

DATE	TYPE	PLANTING RATE
AUG 15-APR 15	RYE GRAIN	50 LBS/ACRE
	COMBINATION WITH NON-HULLED BERMUDAGRASS	25 LBS/ACRE
APR 15-JUN 30	HULLED COMMON BERMUDAGRASS	25 LBS/ACRE

***TEMPORARY: RESEED ACCORDING TO OPTIMUM SEASON FOR DESIRED PERMANENT VEGETATION. DO NOT ALLOW TEMPORARY COVER TO GROW MORE THAN 12" IN HEIGHT BEFORE MOWING; OTHERWISE, FESCUE MAY BE SHADED OUT.

FOR WELL-KEPT HIGH-VISIBILITY AREAS (INCLUDING BUT NOT LIMITED TO DRY DETENTION BASINS, LAWNS, AND/OR SIDEWALK BERMS):

DATE	TYPE	PLANTING RATE
AUG 15-NOV 1	CENTPEDEGRASS	10-20 LBS/ACRE
APR 15-JUN 30	HULLED COMMON BERMUDAGRASS	25 LBS/ACRE

SODDING

1. MOISTENING THE SOD AFTER IT IS UNROLLED HELPS MAINTAIN ITS VIABILITY. STORE IT IN THE SHADE DURING INSTALLATION.
2. RAKE THE SOIL SURFACE TO BREAK THE CRUST JUST BEFORE LAYING SOD. DURING THE SUMMER, LIGHTLY IRRIGATE THE SOIL, IMMEDIATELY BEFORE LAYING THE SOD TO COOL THE SOIL, REDUCE ROOT BURNING, AND DIEBACK.
3. DO NOT SOD ON GRAVEL, FROZEN SOILS, OR SOILS THAT HAVE BEEN TREATED RECENTLY WITH STERILANTS OR HERBICIDES.
4. LAY THE FIRST ROW OF SOD IN A STRAIGHT LINE WITH SUBSEQUENT ROWS PLACED PARALLEL TO AND BUTTING TIGHTLY AGAINST EACH OTHER. STAGGER STRIPS IN A BRICK-LIKE PATTERN. BE SURE THAT THE SOD IS NOT STREACHED OR OVERLAPPED AND THAT ALL JOINTS ARE BUTTED TIGHTLY TO PREVENT VOIDS. USE A KNIFE OR SHARP SPADE TO TRIM AND FIT IRREGULARLY SHAPED AREAS.
5. INSTALL STRIPS OF SOD WITH THEIR LONGEST DIMENSION PERPENDICULAR TO THE ON SLOPES 3:1 OR GREATER, OR WHEREVER EROSION MAY BE A PROBLEM, SECURE SOD WITH PEGS OR STAPLES.
6. AS SODDING OF CLEARLY DEFINED AREAS IS COMPLETED, ROLL SOD TO PROVIDE FIRM CONTACT BETWEEN ROOTS AND SOIL.
7. AFTER ROLLING, IRRIGATE UNTIL THE SOIL IS WET 4 INCHES BELOW THE SOD.
8. KEEP SODDED AREAS MOIST TO A DEPTH OF 4 INCHES UNTIL THE GRASS TAKES ROOT. THIS CAN BE DETERMINED BY GENTLY TUGGING ON THE SOD RESISTANCE INDICATES THAT ROOTING HAS OCCURRED.
9. MOWING SHOULD NOT BE ATTEMPTED UNTIL THE SOD IS FIRMLY ROOTED, USUALLY 2-3 WEEKS.

SOIL STABILIZATION NOTES

1. SOIL STABILIZATION TIMEFRAMES:

SITE AREA DESCRIPTION	STABILIZATION	TIMEFRAME EXCEPTIONS
PERIMETER DRESSES/VALES	7 DAYS	NONE
DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY ZONES (HOW)	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10 FT OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50 FT IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETER AND HOW ZONES.

2. DENUEDED AREAS MUST BE STABILIZED WITHIN FIFTEEN (15) WORKING DAYS OF CEASE OF ANY PHASE OF ACTIVITY. ALL SLOPES MUST BE STABILIZED WITHIN TWENTY-ONE (21) CALENDAR DAYS OF CEASE OF ANY PHASE OF ACTIVITY. THIS INCLUDES SLOPES, SWALES, CHANNELS AND STOCKPILES.
3. THIS PLAN IS TO BE UTILIZED AND REVIEWED ONLY IN CONJUNCTION WITH THE WRITTEN NARRATIVE, WHICH IS AN INTEGRAL PART OF THIS EROSION AND SEDIMENT CONTROL PLAN.
4. ALL FINISHED SLOPES SHALL BE 3:1 OR FLATTER.
5. NO WETLANDS EXIST WITHIN LIMITS OF DISTURBANCE.
6. SEE STABILIZATION GUIDELINES ON SHEET EC7.

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**EROSION & SEDIMENT CONTROL PLAN
DETAILS & STABILIZATION NOTES**

CONSTRUCTION DRAWINGS FOR
AMPLE STORAGE
LOCATED IN TOWN OF FERNY
HARRIS COUNTY, TEXAS

LAND OWNER: TURTLE RUN, LLC
GUY LAMPE JR. - MANAGER
CONTACT: (919) 934-3041

CONTACT: TERRY WETHINGTON - PM (252) 670-2664

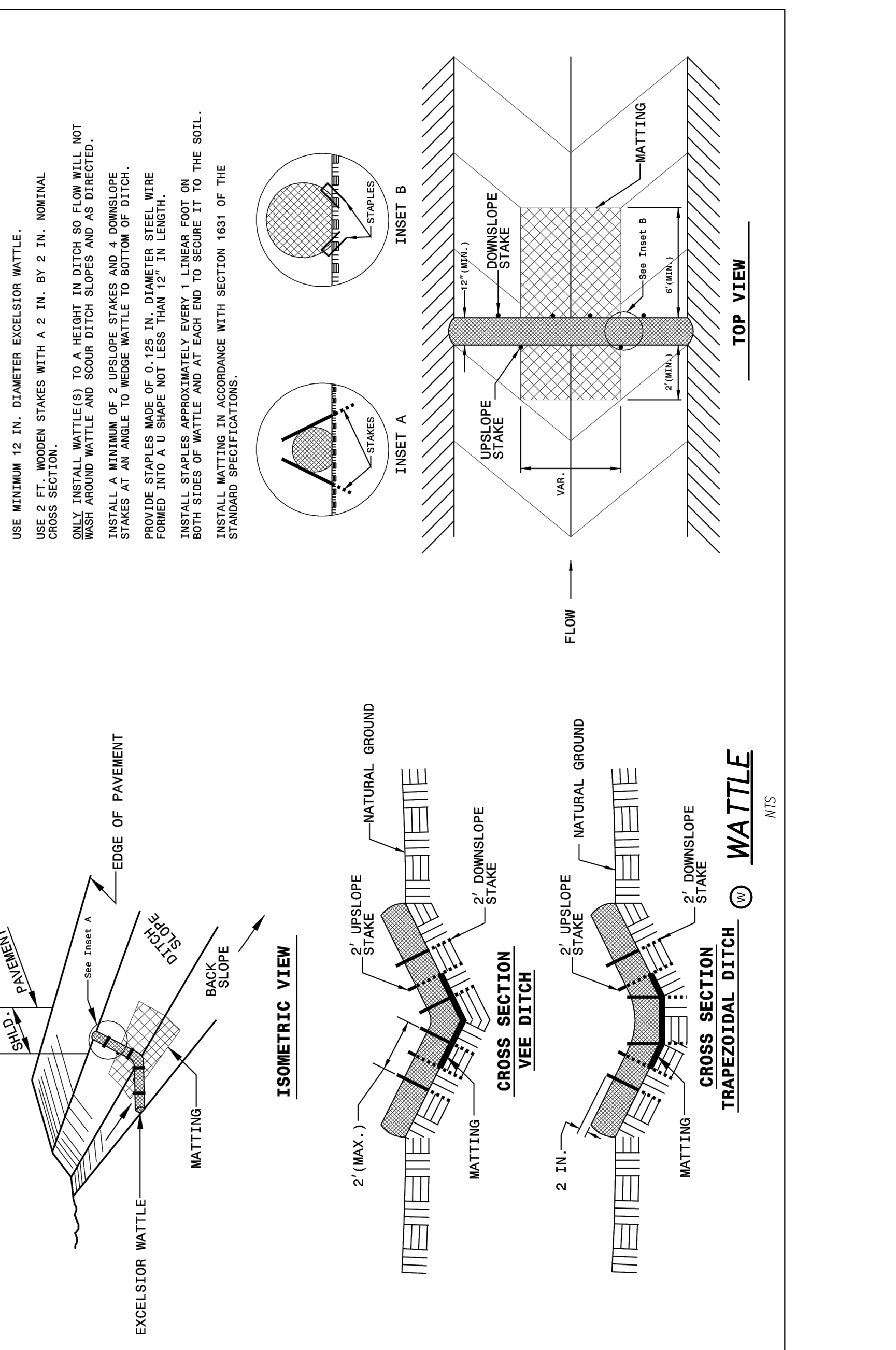
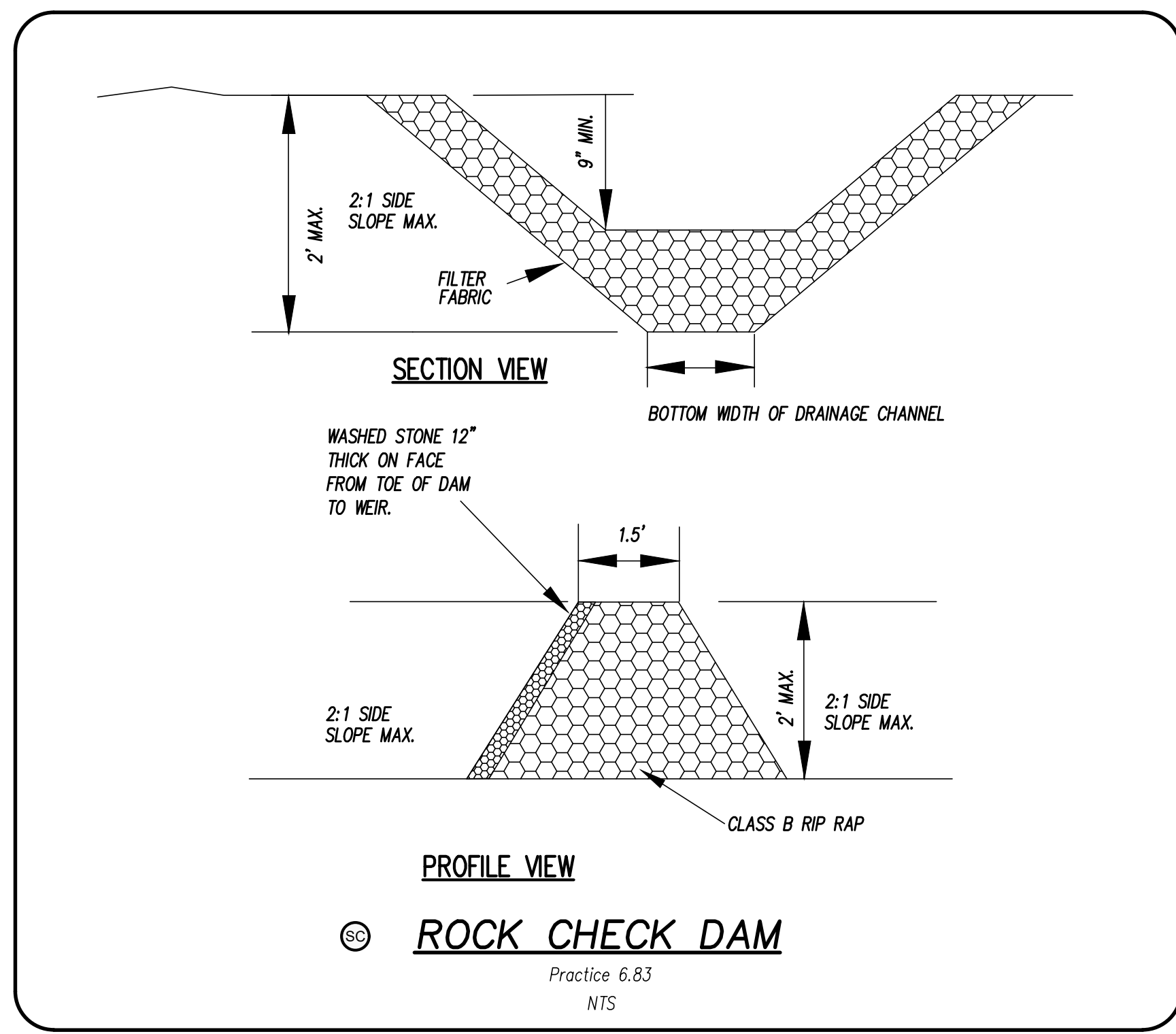
11/15/2023

REV. NO.	BY	DATE	REMARKS

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DRAWN BY: JFO
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PROJECT NO.: 21-0590

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GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT

Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

SECTION E: GROUND STABILIZATION

Site Area Description	Required Ground Stabilization Timeframes	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
(b) High Quality Water (HQW) Zones	7	None
(c) Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed.
(d) Slopes 3:1 to 4:1	14	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed
(e) Areas with slopes flatter than 4:1	14	-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed unless there is zero slope

Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

GROUND STABILIZATION SPECIFICATION

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below:

Temporary Stabilization	Permanent Stabilization
<ul style="list-style-type: none"> Temporary grass seed covered with straw or other mulches and tackifiers Hydroseeding Rollered erosion control products with or without temporary grass seed Appropriately applied straw or other mulch Plastic sheeting 	<ul style="list-style-type: none"> Permanent grass seed covered with straw or other mulches and tackifiers Geotextile fabrics such as permanent soil reinforcement matting Hydroseeding Shrubs or other permanent plantings covered with mulch Uniform and evenly distributed ground cover sufficient to restrain erosion Structural methods such as concrete, asphalt or retaining walls Rollered erosion control products with grass seed

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

- Select flocculants that are appropriate for the soils being exposed during construction, selecting from the *NC DWR List of Approved PAMS/Flocculants*.
- Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.
- Apply flocculants at the concentrations specified in the *NC DWR List of Approved PAMS/Flocculants* and in accordance with the manufacturer's instructions.
- Provide ponding area for containment of treated Stormwater before discharging offsite.
- Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

EQUIPMENT AND VEHICLE MAINTENANCE

- Maintain vehicles and equipment to prevent discharge of fluids.
- Provide drip pans under any stored equipment.
- Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
- Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
- Remove leaking vehicles and construction equipment from service until the problem has been corrected.
- Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE

- Never bury or burn waste. Place litter and debris in approved waste containers.
- Provide a sufficient number and size of waste containers (e.g. dumpster, trash receptacle) on site to contain construction and domestic wastes.
- Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland.
- Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
- Anchor all lightweight items in waste containers during times of high winds.
- Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
- Dispose waste off-site at an approved disposal facility.
- On business days, clean up and dispose of waste in designated waste containers.

PAINT AND OTHER LIQUID WASTE

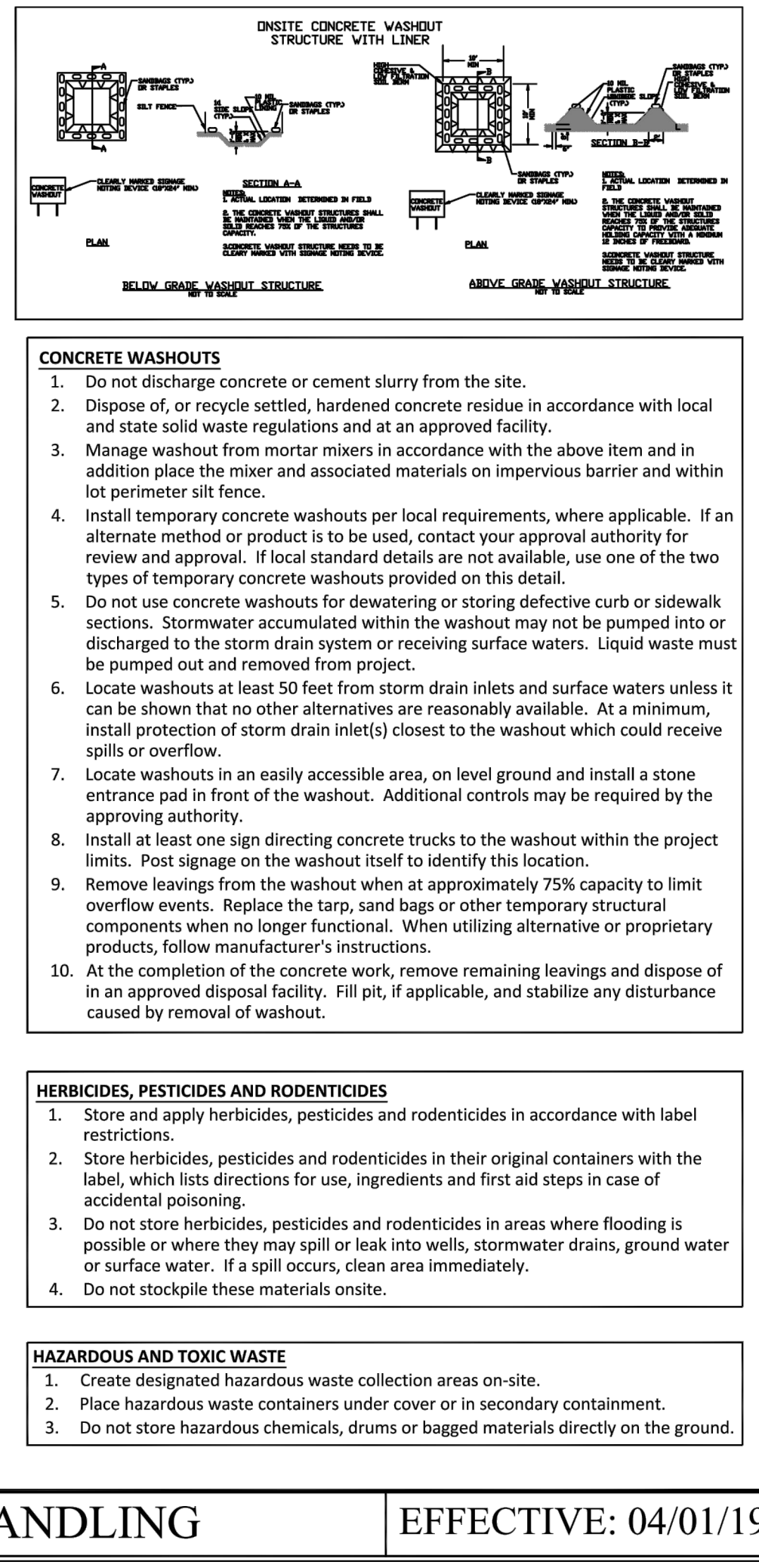
- Do not dump paint and other liquid waste into storm drains, streams or wetlands.
- Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Contain liquid wastes in a controlled area.
- Containment must be labeled, sized and placed appropriately for the needs of site.
- Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

PORTABLE TOILETS

- Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or in place on a gravel pad and surround with sand bags.
- Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
- Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

EARTHEN STOCKPILE MANAGEMENT

- Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.
- Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
- Provide stable stone access point when feasible.
- Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.



PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION A: SELF-INSPECTION

Self-inspections are required during normal business hours in accordance with the table below. When adverse weather or site conditions would cause the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of equal to or greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be performed upon the commencement of the next business day. Any time when inspections were delayed shall be noted in the Inspection Record.

Inspect	Frequency (during normal business hours)	Inspection records must include:
(1) Rain gauge maintained in good working order	Daily	Daily rainfall amounts. If no daily rain gauge observations are made during weekend or holiday periods, and no individual day rainfall information is available, record the cumulative rain measurement for those unattended days [and this will determine if a site inspection is needed]. Days on which no rainfall occurred shall be recorded as "zero." The permittee may use another rain-monitoring device approved by the Division.
(2) E&S Measures	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Identification of the measures inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Indication of whether the measures were operating properly, 5. Description of maintenance needs for the measure, 6. Description, evidence, and date of corrective actions taken.
(3) Stormwater discharge outfalls (SDCs)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Identification of the discharge outfalls inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration, 5. Indication of visible sediment leaving the site, 6. Description, evidence, and date of corrective actions taken.
(4) Perimeter of site	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	If visible sedimentation is found outside site limits, then a record of the following shall be made: 1. Actions taken to clean up or stabilize the sediment that has left the site limits, 2. Description, evidence, and date of corrective actions taken, and 3. An explanation as to the actions taken to control future releases.
(5) Streams or wetlands on-site or off-site (where accessible)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	If the stream or wetland has increased visible sedimentation or a stream has visible increased turbidity from the construction activity, then a record of the following shall be made: 1. Description, evidence and date of corrective actions taken, and 2. Records of the required reports to the appropriate Division/Regional Office per Part III, Section C, Item (2)(a) of this permit.
(6) Ground stabilization measures	After each phase of grading	1. The phase of grading (installation of perimeter E&S measures, clearing and grading, installation of storm drainage facilities, completion of all land-disturbing activity, construction or redevelopment, permanent ground cover), 2. Documentation that the required ground stabilization measures have been provided within the required timeframe or an assurance that they will be provided as soon as possible.

Note: The rain inspection resets the required 7 calendar day inspection requirement.

PART II, SECTION G, ITEM (4) DRAW DOWN OF SEDIMENT BASINS FOR MAINTENANCE OR CLOSE OUT

Sediment basins and traps that receive runoff from drainage areas of one acre or more shall use outlet structures that withdraw water from the surface when these devices need to be drawn down for maintenance or close out unless this is infeasible. The circumstances in which it is not feasible to withdraw water from the surface shall be rare (for example, times with extended cold weather). Non-surface withdrawals from sediment basins shall be allowed only when all of the following criteria have been met:

- The E&S plan authority has been provided with documentation of the non-surface withdrawal and the specific time periods or conditions in which it will occur. The non-surface withdrawal shall not commence until the E&S plan authority has approved these items.
- The non-surface withdrawal has been reported as an anticipated bypass in Part III, Section C, Item (2)(c) and (d) of this permit.
- Dewatering devices are treated with controls to minimize discharges of pollutants from stormwater that is removed from the sediment basin. Examples of appropriate controls include properly sited, designed and maintained dewatering tanks, weir tanks, and filtration systems.
- Vegetated, upland areas of the sites or a properly designed stone pad is used to the extent feasible at the outlet of the dewatering treatment devices described in item (c) above.
- Velocity dissipation devices such as check dams, sediment traps, and riprap are provided at the discharge points of all dewatering devices, and
- Sediment removed from the dewatering treatment devices described in item (c) above is disposed of in a manner that does not cause deposition of sediment into waters of the United States.

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION B: RECORDKEEPING

1. E&S Plan Documentation

The approved E&S plan as well as any approved deviation shall be kept on the site. The approved E&S plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&S plan shall be kept on site and available for inspection at all times during normal business hours.

Item to Document	Documentation Requirements
(a) Each E&S measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&S plan.	Initial and date each E&S measure on a copy of the approved E&S plan or complete, date and sign an inspection report that lists each E&S measure shown on the approved E&S plan. This documentation is required upon the initial installation of the E&S measures or if the E&S measures are modified after initial installation.
(b) A phase of grading has been completed.	Initial and date a copy of the approved E&S plan or complete, date and sign an inspection report to indicate completion of the construction phase.
(c) Ground cover is located and installed in accordance with the approved E&S plan.	Initial and date a copy of the approved E&S plan or complete, date and sign an inspection report to indicate compliance with approved ground cover specifications.
(d) The maintenance and repair requirements for all E&S measures have been performed.	Complete, date and sign an inspection report.
(e) Corrective actions have been taken to E&S measures.	Initial and date a copy of the approved E&S plan or complete, date and sign an inspection report to indicate the completion of the corrective action.

2. Additional Documentation to be Kept on Site

In addition to the E&S plan documents above, the following items shall be kept on the site and available for inspectors at all times during normal business hours, unless the Division provides a site-specific exemption based on unique site conditions that make this requirement not practical:

- This General Permit as well as the Certificate of Coverage, after it is received.
- Records of inspections made during the previous twelve months. The permittee shall record the required observations on the Inspection Record Form provided by the Division or a similar inspection form that includes all the required elements. Use of electronically-available records in lieu of the required paper copies will be allowed if shown to provide equal access and utility as the hard-copy records.

3. Documentation to be Retained for Three Years

All data used to complete the e-NOI and all inspection records shall be maintained for a period of three years after project completion and made available upon request. [40 CFR 122.41]

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION C: REPORTING

1. Occurrences That Must Be Reported

Permittees shall report the following occurrences:

- Visible sediment deposition in a stream or wetland.
- Oil spills if:
 - They are 25 gallons or more.
 - They are less than 25 gallons but cannot be cleaned up within 24 hours.
 - They cause sheen on surface waters (regardless of volume), or
 - They are within 100 feet of surface waters (regardless of volume).
- Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA (Ref: 40 CFR 302.4) or G.S. 143-215.85.
- Anticipated bypasses and unanticipated bypasses.
- Noncompliance with the conditions of this permit that may endanger health or the environment.

2. Reporting Timeframes and Other Requirements

After a permittee becomes aware of an occurrence that must be reported, he shall contact the appropriate Division regional office within the timeframes and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Department's Environmental Emergency Center personnel at (800) 858-0368.

Occurrence	Reporting Timeframes (After Discovery) and Other Requirements
(a) Visible sediment deposition in a stream or wetland	<ul style="list-style-type: none"> Within 24 hours, an oral or electronic notification. Within 7 calendar days, a report that contains a description of the sediment and actions taken to address the cause of the deposition. Division staff may waive the requirement for a written report on a case-by-case basis.
(b) Oil spills and release of hazardous substances per Item 1(b)-(c) above	<ul style="list-style-type: none"> Within 24 hours, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release.
(c) Anticipated bypasses [40 CFR 122.41(m)(3)]	<ul style="list-style-type: none"> A report at least ten days before the date of the bypass, if possible. The report shall include an evaluation of the anticipated quality and effect of the bypass.
(d) Unanticipated bypasses [40 CFR 122.41(m)(3)]	<ul style="list-style-type: none"> Within 24 hours, an oral or electronic notification. Within 7 calendar days, a report that includes an evaluation of the quality and effect of the bypass.
(e) Noncompliance with the conditions of this permit that may endanger health or the environment [40 CFR 122.41(f)(7)]	<ul style="list-style-type: none"> Within 24 hours, an oral or electronic notification. Within 7 calendar days, a report that contains a description of the noncompliance, and its causes; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time noncompliance is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. [40 CFR 122.41(f)(6)]. Division staff may waive the requirement for a written report on a case-by-case basis.



LICENSE # C-2710
ENGINEERING
LAND PLANNING
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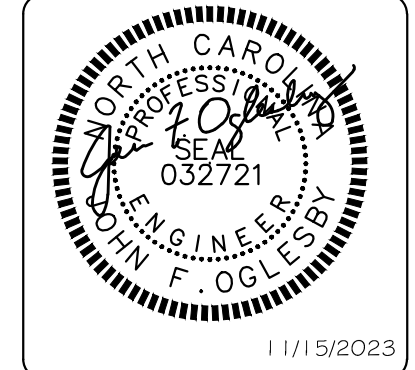
P.O. BOX 1250
WENDELL, NC 27591
(910) 791-4441

EROSION & SEDIMENT CONTROL PLAN
DETAILS & NCG01 NOTES

CONSTRUCTION DRAWINGS FOR
AMPLE STORAGE
LOCATED IN TOWN OF FERRIN
HARRIETT COUNTY, NORTH CAROLINA

LAND OWNER: TURTLE RUN, LLC
GUY LAMPE JR - MANAGER
SOUTHFIEL, NC 27577
(919) 934-0041

CONTACT:
TERRY WETHINGTON - PM (252) 670-2664



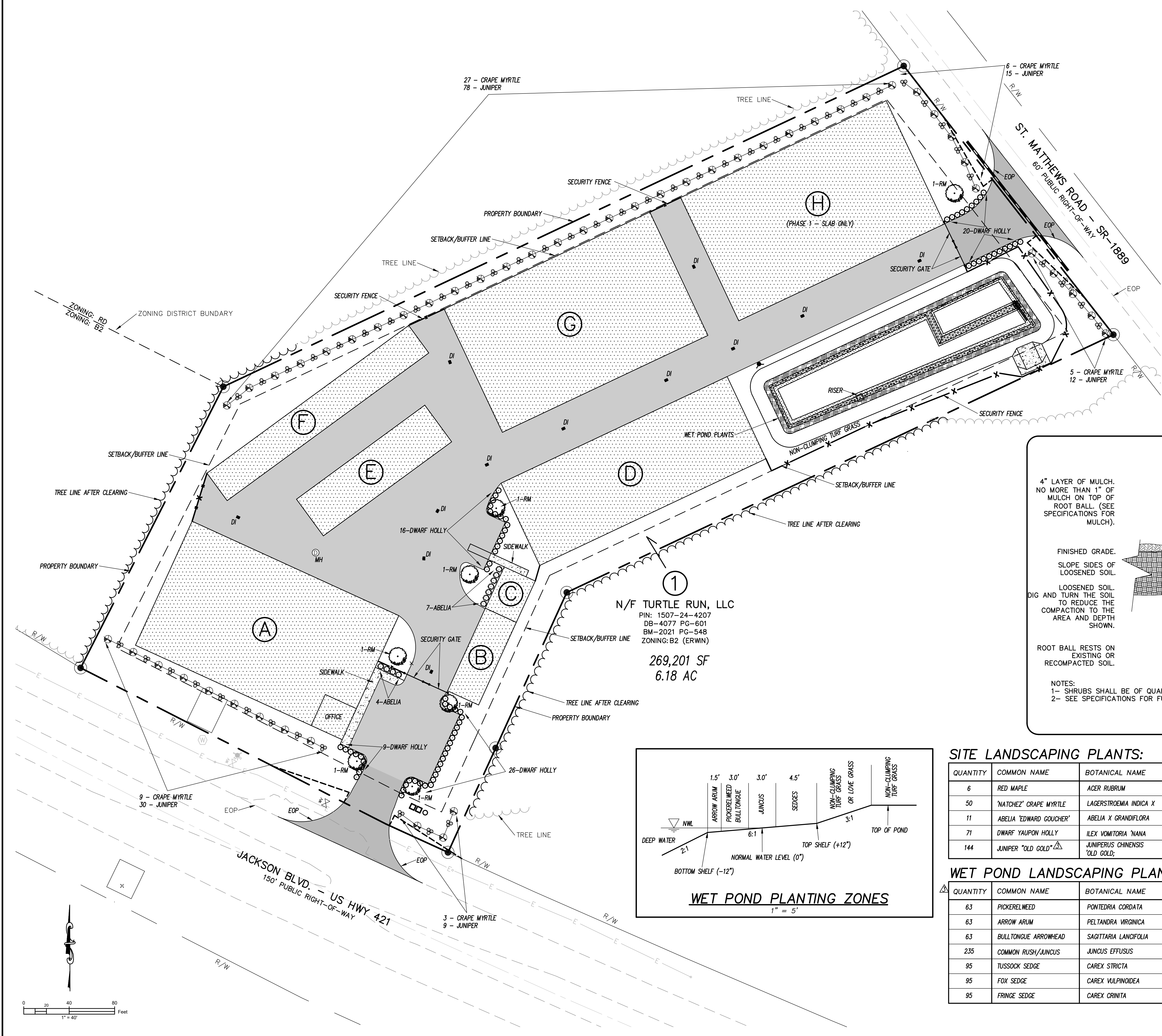
DATE: 11/15/2023
HORZ. SCALE: 1" = 40'
VERT. SCALE: N/A
DRAWN BY: JFO
CHECKED BY: HSR
PROJECT NO.: 21-0590

REMARKS
REV. NO.
BY
DATE

C5.3
Sheet No. 11 of 16

REV.	NO.	DATE	BY	REMARKS
	JFO	12/8/23		REVISED BARBERRY SHRUBS TO JUNIPER. POND PLANT QUANTITY

DATE: 11/15/2023
HORZ. SCALE: 1" = 40'
VERT. SCALE: N/A
DRAWN BY: JFO
CHECKED BY: HSR
PROJECT NO.: 21-0590



LANDSCAPE PLAN LEGEND:

- PROPOSED CANOPY TREE (NUTTALL OAK)
- ⊙ PROPOSED UNDERSTORY TREE (GRAPE MYRTLE)
- ⊙ PROPOSED SHRUB (DWARF YAUPON HOLLY)
- ⊙ PROPOSED SHRUB (ABELIA)
- ⊙ PROPOSED SHRUB (JUNIPER)

PLANTING DETAIL
N.T.S.

4" LAYER OF MULCH. NO MORE THAN 1" OF MULCH ON TOP OF ROOT BALL. (SEE SPECIFICATIONS FOR MULCH).

FINISHED GRADE.
SLOPE SIDES OF LOOSENEED SOIL.

LOOSENEED SOIL. DIG AND TURN THE SOIL TO REDUCE THE COMPACTION TO THE AREA AND DEPTH SHOWN.

ROOT BALL RESTS ON EXISTING OR RECOMPACTED SOIL.

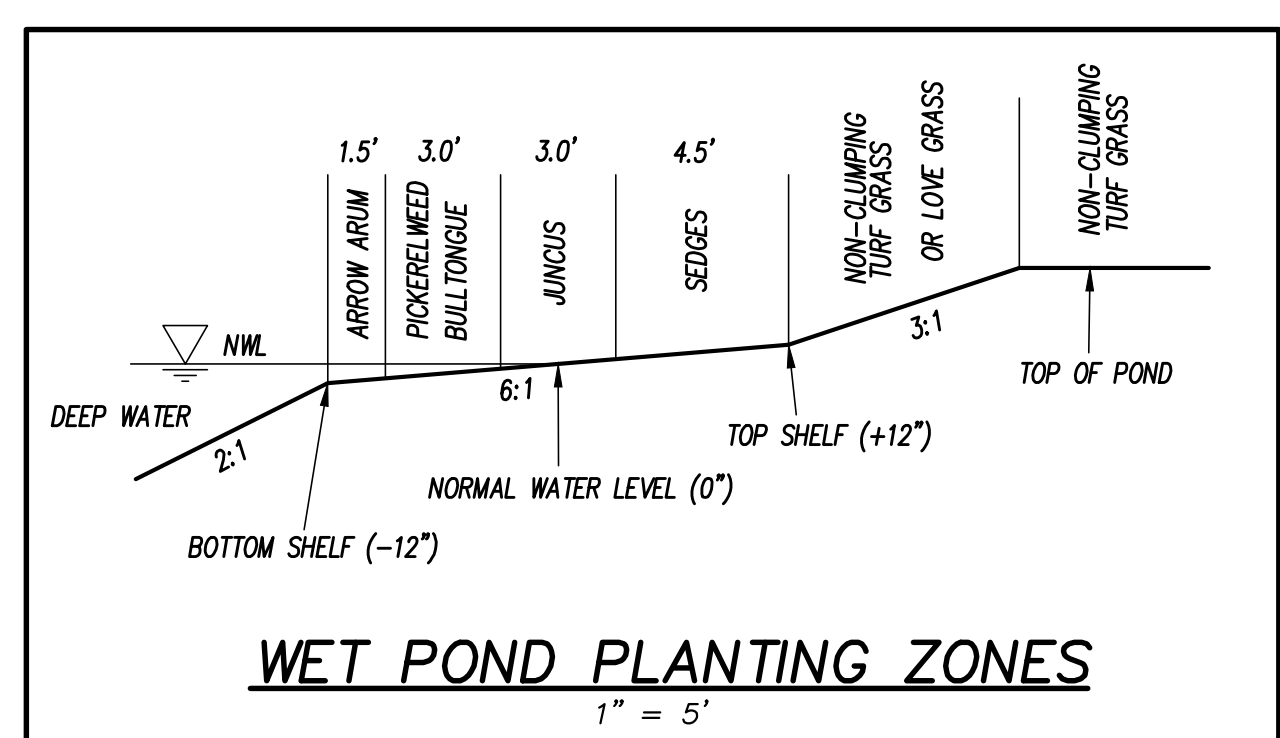
NOTES:
1- SHRUBS SHALL BE OF QUALITY PRESCRIBED IN THE ROOT OBSERVATIONS DETAIL AND SPECIFICATIONS.
2- SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS RELATED TO THIS DETAIL.

SECTION VIEW
3x's widest dimension of root ball.

4" HIGH X 8" WIDE ROUND - TOPPED SOIL BERM ABOVE ROOT BALL SURFACE SHALL BE CONSTRUCTED AROUND THE ROOT BALL. BERM SHALL BEGIN AT ROOT BALL PERIPHERY.

PRIOR TO MULCHING, LIGHTLY TAMP SOIL AROUND THE ROOT BALL IN 6" LIFTS TO BRACE SHRUB. DO NOT OVER COMPACT. WHEN THE PLANTING HOLE HAS BEEN BACKFILLED, POUR WATER AROUND THE ROOT BALL TO SETTLE THE SOIL.

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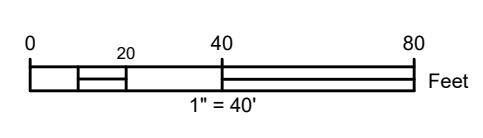


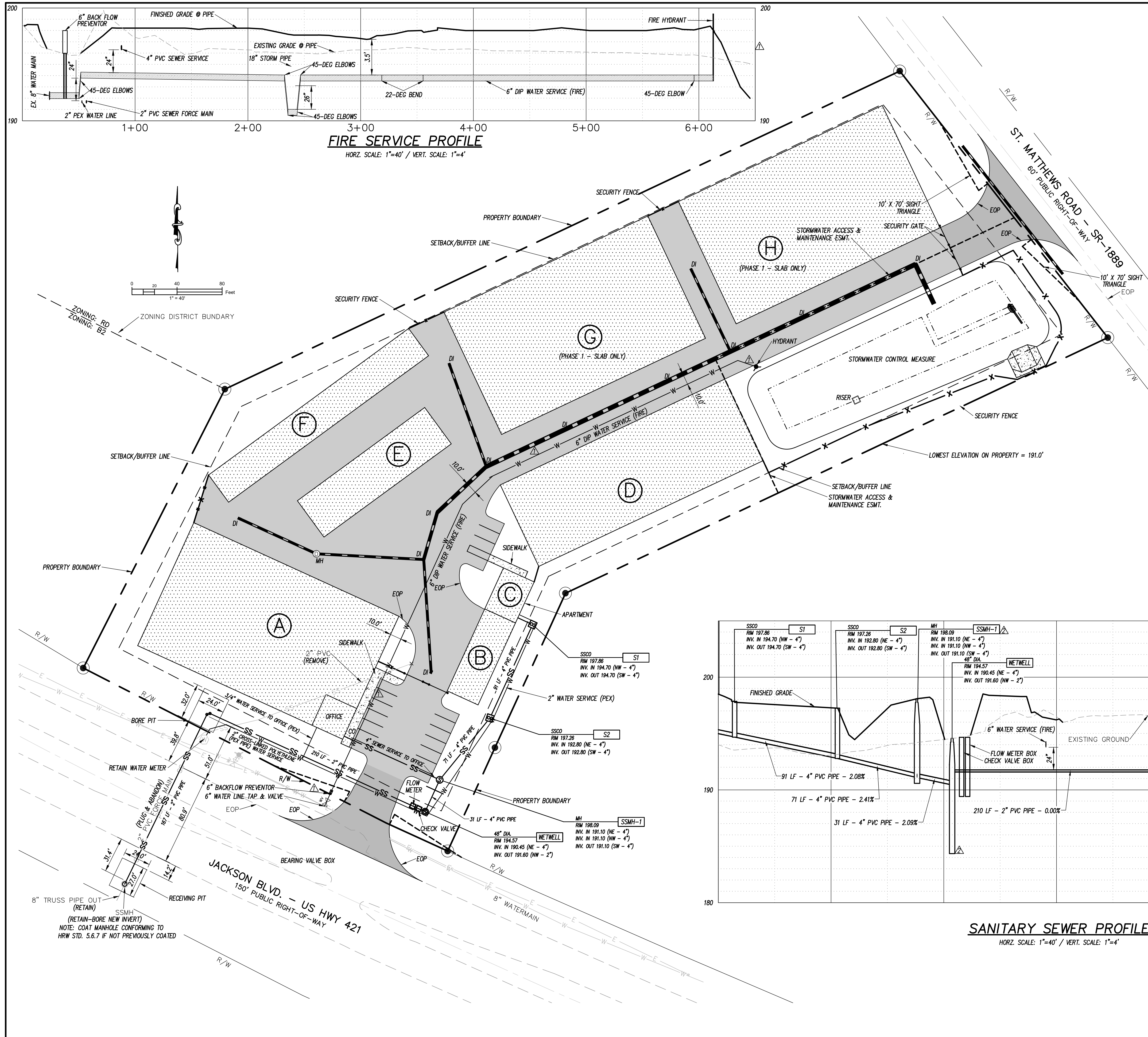
SITE LANDSCAPING PLANTS:

QUANTITY	COMMON NAME	BOTANICAL NAME	MIN. HT. AT PLANTING	CALIPER	ROOT
6	RED MAPLE	ACER RUBRUM	6 FT.	MIN. 1.5"	15 GAL CONTAINER OR BALLED/BURLAPPED
50	'NATCHEZ' GRAPE MYRTLE	LAGERSTROEMIA INDICA X	6 FT.	MIN. 2.0"	15 GAL CONTAINER OR BALLED/BURLAPPED
11	ABELIA 'EDWARD GOUCHER'	ABELIA X GRANDIFLORA	2.0 FT.		3 GAL CONTAINER
71	DWARF YAUPON HOLLY	ILEX VOMITORIA 'NANA'	1.5 FT.		3 GAL CONTAINER
144	JUNIPER 'OLD GOLD'	JUNIPERUS CHINENSIS 'OLD GOLD'	1.5 FT.		3 GAL CONTAINER

WET POND LANDSCAPING PLANTS:

QUANTITY	COMMON NAME	BOTANICAL NAME	IDEAL DEPTH AT PLANTING	LOCATION/LEGEND	ROOT	AREA
63	PICKERELWEED	PONTEDRIA CORDATA	- 0 to -6"	VEG'D SHELF; BELOW NML	1.6"W x 5"D PLUG	1,658 SQ. FT.
63	ARROW ARUM	PELTANDRA VIRGINICA	- 0 to -6"	VEG'D SHELF; BELOW NML	1.6"W x 5"D PLUG	
63	BULLTONGUE ARROWHEAD	SAGITTARIA LANCIFOLIA	- 2 to -6"	VEG'D SHELF; BELOW NML	1.6"W x 5"D PLUG	
235	COMMON RUSH/JUNCUS	JUNCUS EFFUSUS	-3" to +3"	VEG'D SHELF	1.6"W x 5"D PLUG	2,112 SQ. FT.
95	TUSSOCK SEDGE	CAREX STRICTA	+3" to +12"	VEG'D SHELF; ABOVE NML	1.6"W x 5"D PLUG	
95	FOX SEDGE	CAREX VULPINOIDEA	+3" to +12"	VEG'D SHELF; ABOVE NML	1.6"W x 5"D PLUG	
95	FRINGE SEDGE	CAREX CRINITA	+3" to +12"	VEG'D SHELF; ABOVE NML	1.6"W x 5"D PLUG	2,560 SQ. FT.





UTILITY SERVICE WILL BE PROVIDED BY:
 PUMP STATION WILL BE PRIVATELY OWNED AND MAINTAINED.
 WATERLINE FOR FIRE SERVICE WILL BE PRIVATELY OWNED AND MAINTAINED.

PUMP STATION DATA TABLE:

APPROXIMATE ELEVATION AT CONNECTION POINT	= 194.80
ELEVATION OF PUMP	= 184.85
PROPOSED WET WELL DIAMETER	= 4.0 FT.
INVERT OF HIGHEST POINT IN FORCE MAIN	= 192.0
LENGTH OF 2-INCH FORCE MAIN	= 375 FT.
SPECIFIED FLOW	= 20 GPM
TOTAL DYNAMIC HEAD	= 11.3 FT.

LICENSE # C-2710
 ENGINEERING
 LAND PLANNING
 COMMERCIAL / RESIDENTIAL

P.O. BOX 1250
 WENDELL, NC 27591
 (910) 791-4441

UTILITY PLAN & PROFILE

CONSTRUCTION DRAWINGS FOR
AMPLE STORAGE
 LOCATED IN TOWN OF ERWIN
 HARNETT COUNTY, NORTH CAROLINA

LAND OWNER: TURTLE RUN, LLC
 CONTACT: GUY LAMPE JR. - MANAGER
 (919) 934-0041

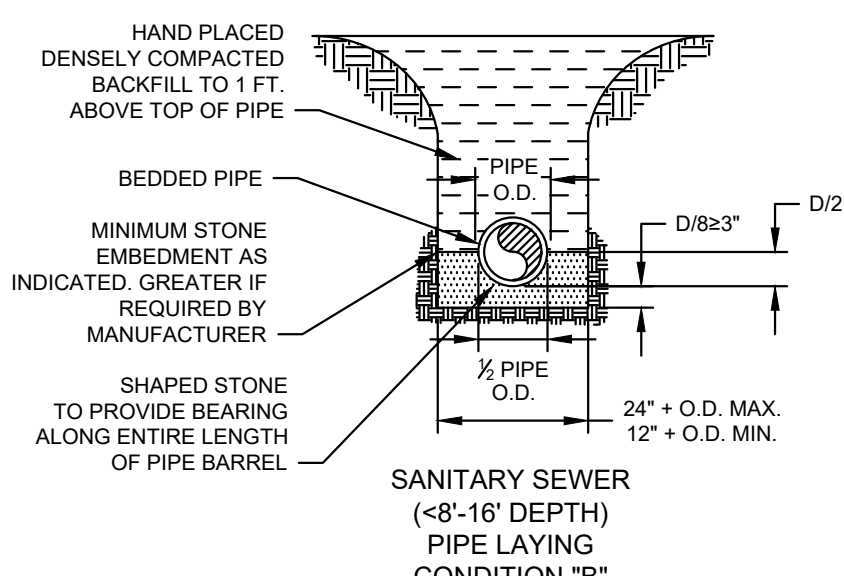
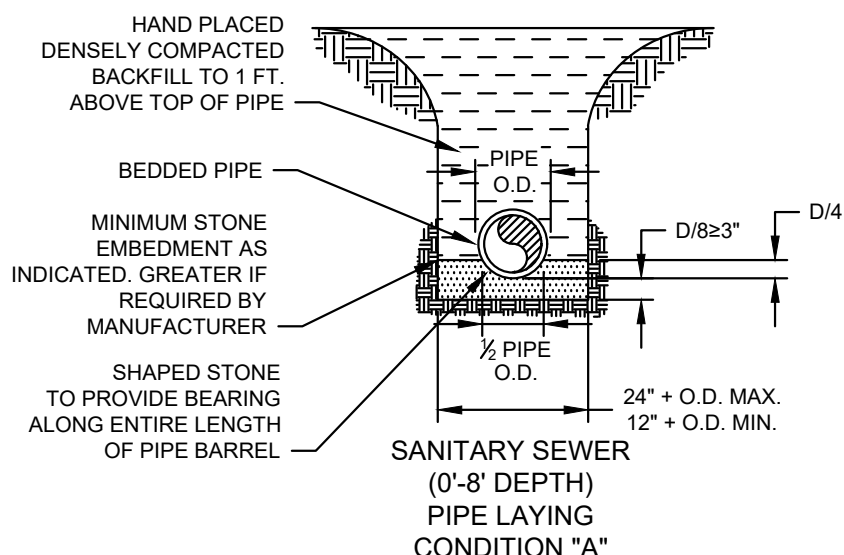
CONTACT: TERRY WETHINGTON - PM (252) 670-2664



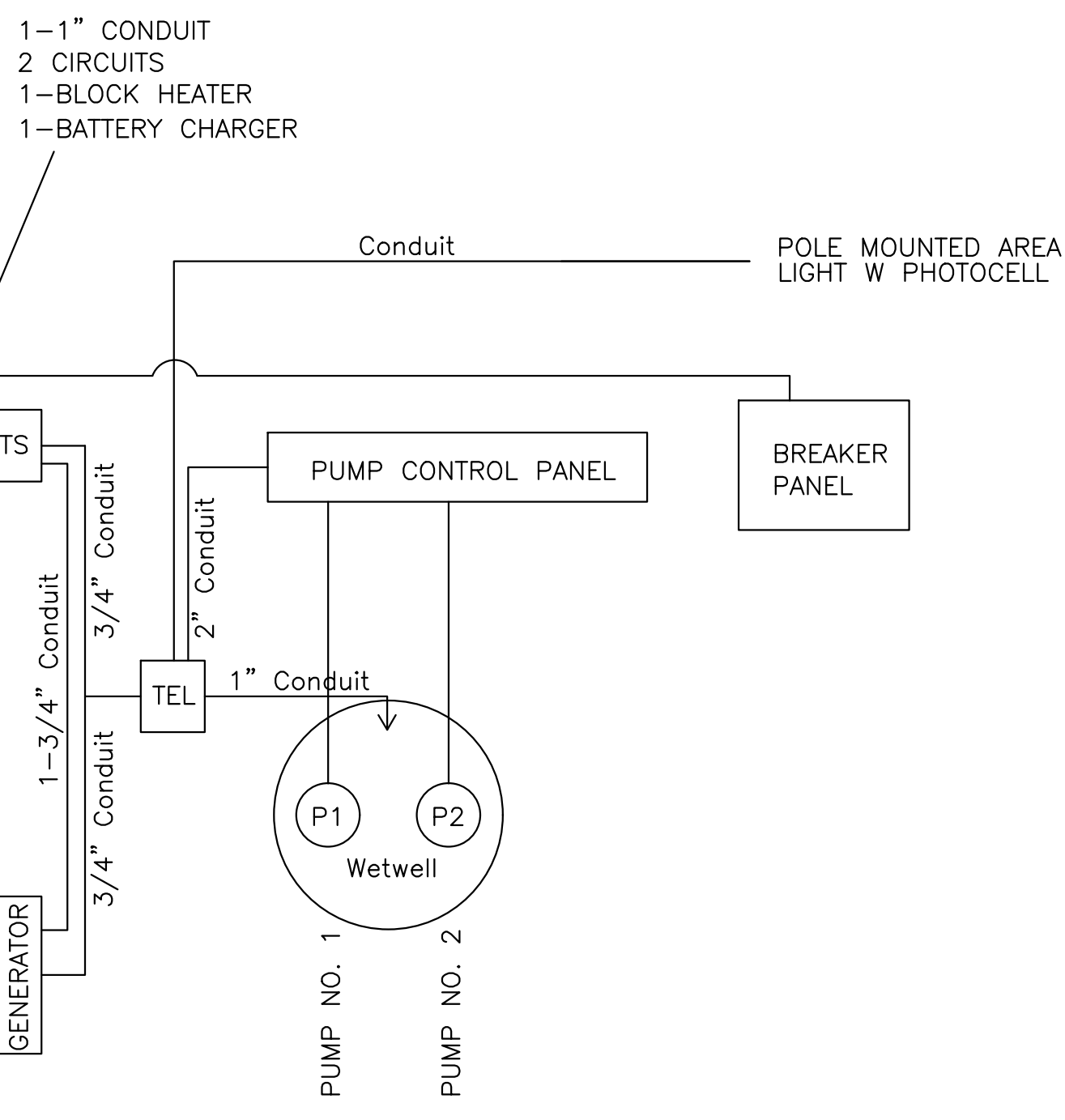
REV. NO.	REMARKS	DATE	BY
1	ADJUST SSMH-1 INVERT EL. AND ADJUST PUMP EL. TO 184.85	12/8/23	JFO
2	6" WATER SERVICE FOR FIRE HYDRANT; DETAILS	12/8/23	JFO

DATE: 11/15/2023
 HORZ. SCALE: 1" = 40'
 VERT. SCALE: N/A
 DRAWN BY: JFO
 CHECKED BY: HSR
 PROJECT NO.: 21-0590

C7.0
 Sheet No. 13 of 16

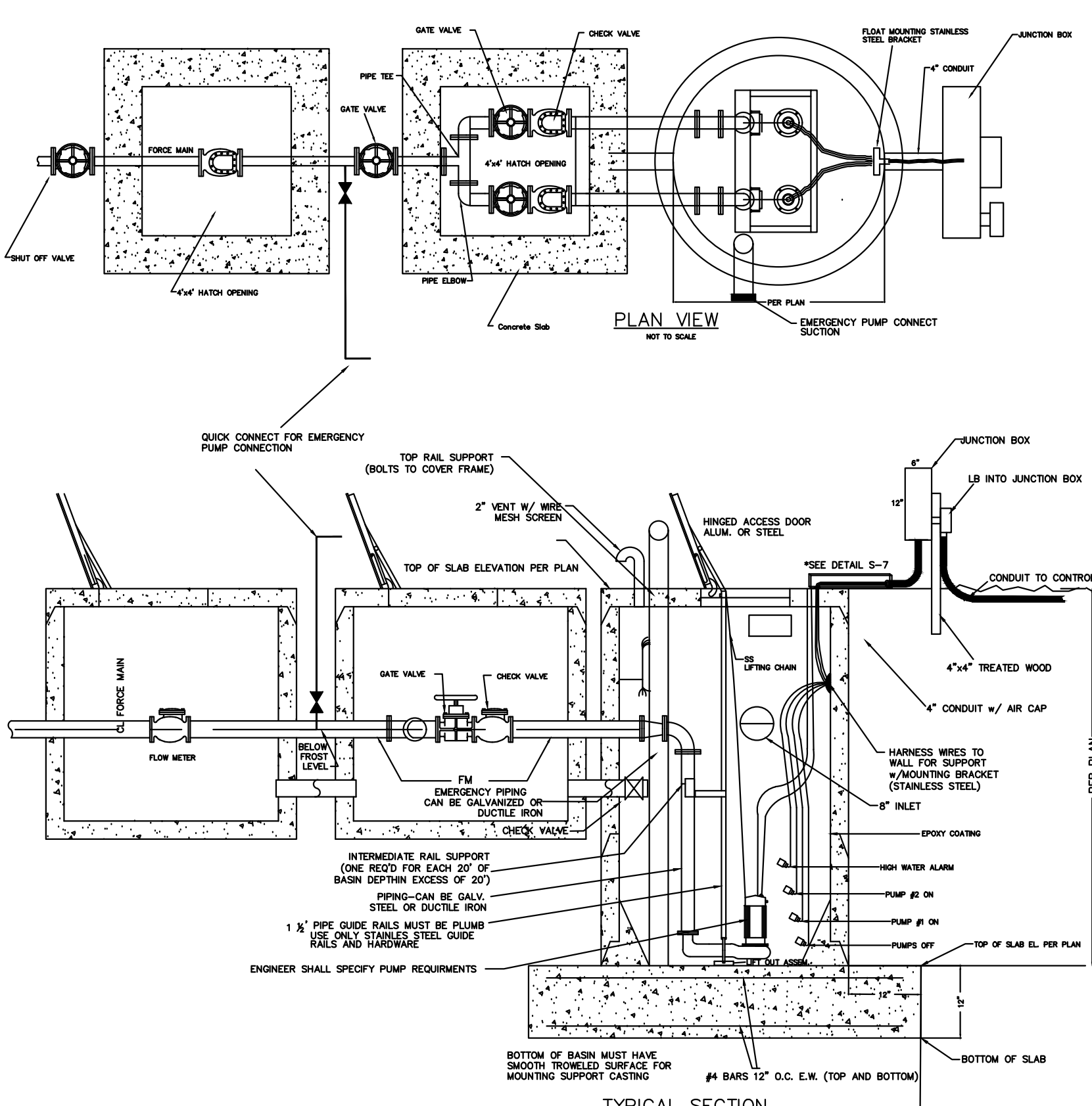


TYPICAL PIPE LAYING CONDITION DETAIL
NO SCALE



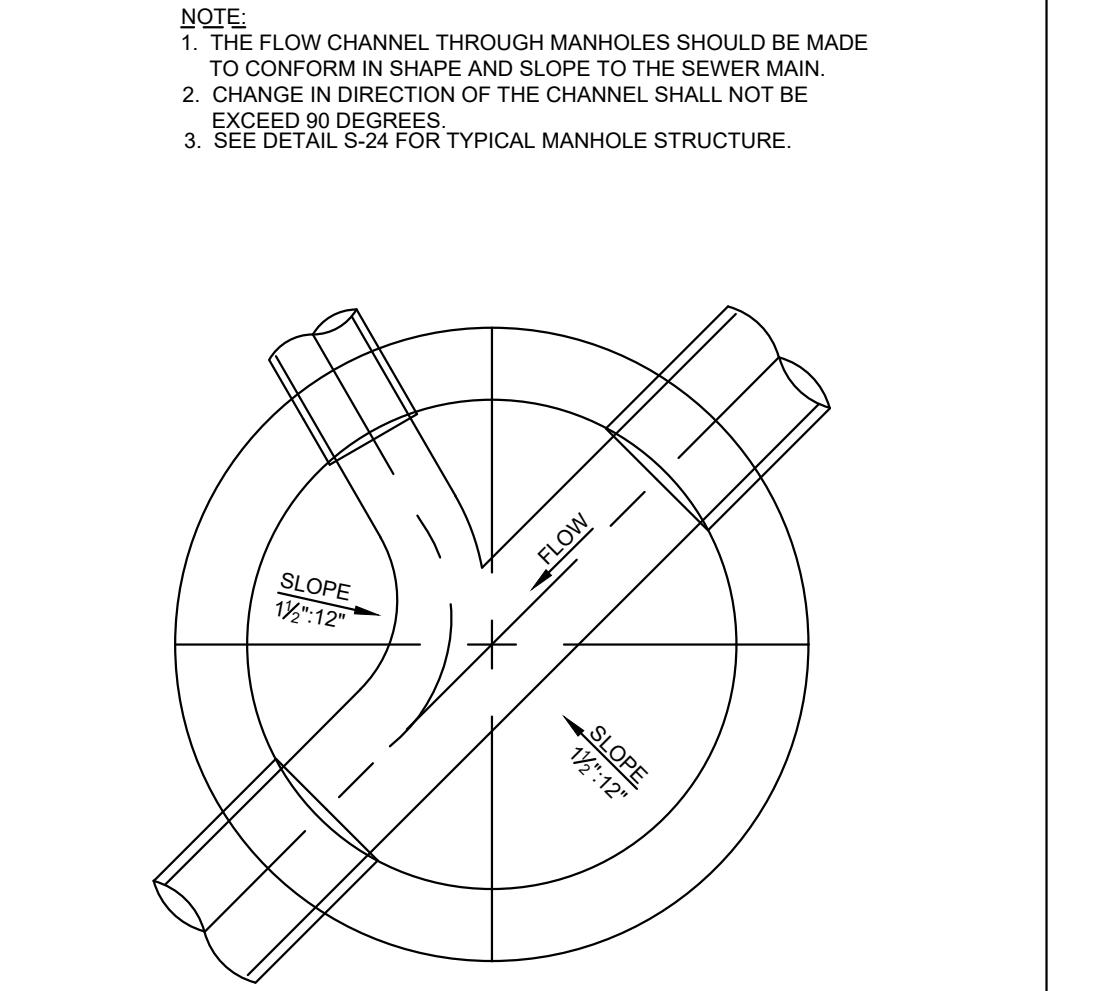
TYPICAL SCADA ONE LINE DIAGRAM DETAIL
NO SCALE

- NOTE:**
- PULL STRING IN ALL SCADA RACE WAYS.
 - ALL LIGHT FIXTURES SHALL BE LED.
 - 1-1/2" MIN CONDUIT FROM SCADA PANEL TO LIGHT/ANTENNA POLE FOR CO-AX CABLE.
 - J-BOX @ WETWELL SHOULD BE VERTICAL MOUNTED.
 - MIN 24"x24"x8"
 - MIN 36" FROM GRADE TO BOTTOM OF BOX
 - HAVE BACK PLATE INSTALLED WITH PROPER SIZE TERMINAL CONNECTION BLOCKS FOR -MOTORS/PUMPS, #1 & #2 TERMINAL BLOCK FOR FLOATS AND ANY OTHER CONTROL WIRES. THERMALS & SEAL FAILS.

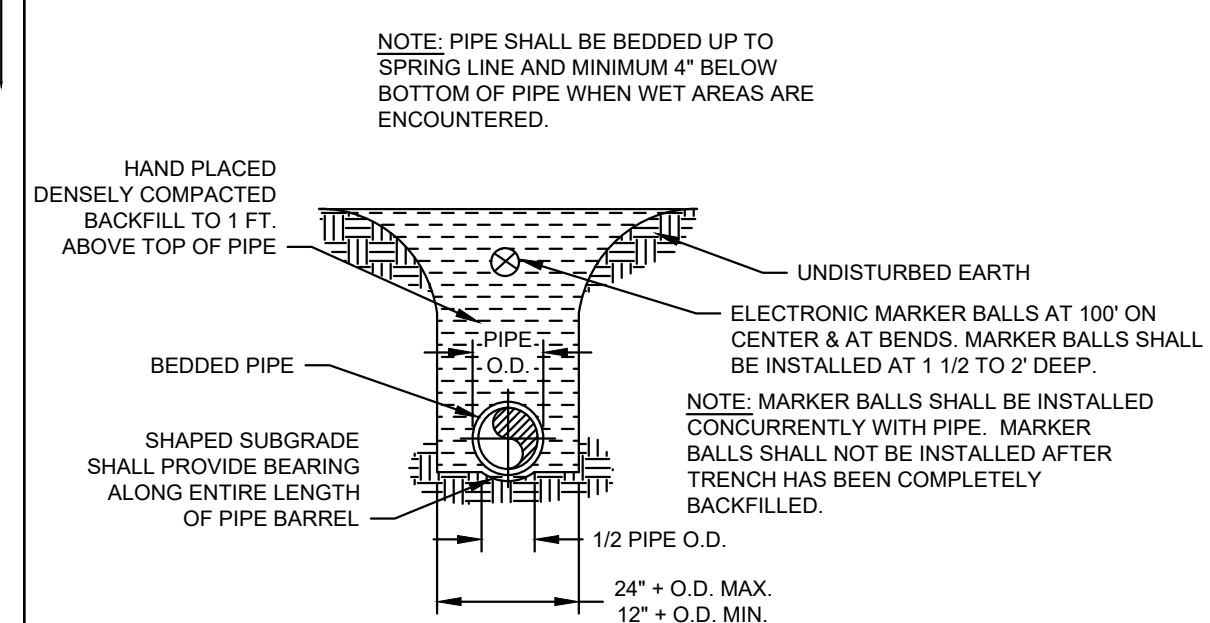


- GENERAL NOTES**
- ALL FIELD WIRING CONNECTIONS BETWEEN PUMPS, FLOAT SWITCHES AND CONTROL PANEL BY LICENSED ELECTRICIAN.
 - ALL ENCLOSURES SHALL BE NEMA 4X STAINLESS STEEL.
 - PVC END CAP GLUED TO ELBOW AND PERFORATED WITH 16 EA. 0.12" DIA. HOLES MAY BE USED IN LIEU OF THE BUG SCREEN.
 - RUN FLOAT SWITCH WIRES TO TERMINAL STRIP ON JUNCTION BOX AND FROM JUNCTION BOX TO CONTROL PANEL.
 - INSTALL AN INTER LOCKED RECEPTACLE WITH ENCLOSED DISCONNECT FOR TRANSFERRING LINE POWER TO PERMANENT GENERATOR IN THE EVENT OF A POWER FAILURE.
 - WIRE AND CONDUIT SIZE MAY VARY DEPENDING UPON PUMP REQUIREMENTS.
 - PUMP STATION BASE TO BE MANUFACTURED SPECIFICALLY FOR DIRECT MOUNTING TO OPEN TOP, 5" DIA. MANHOLE AND SHALL BE PROVIDED WITH ALL MOUNTING HARDWARE AND ANCHOR BOLT. ANCHOR BOLTS SHALL BE HARDENED ALLOY.
 - CIRCUITS SHALL BE IN DIRECT BURIED RIGID STEEL CONDUIT A MINIMUM OF 18" BELOW FINISHED GRADE.
 - ALL HARDWARE INSIDE WETWELL SHALL BE STAINLESS STEEL.
 - ENGINEER MUST PROVIDE ELEVATIONS FOR BASE, FLOATS, AND TOP.

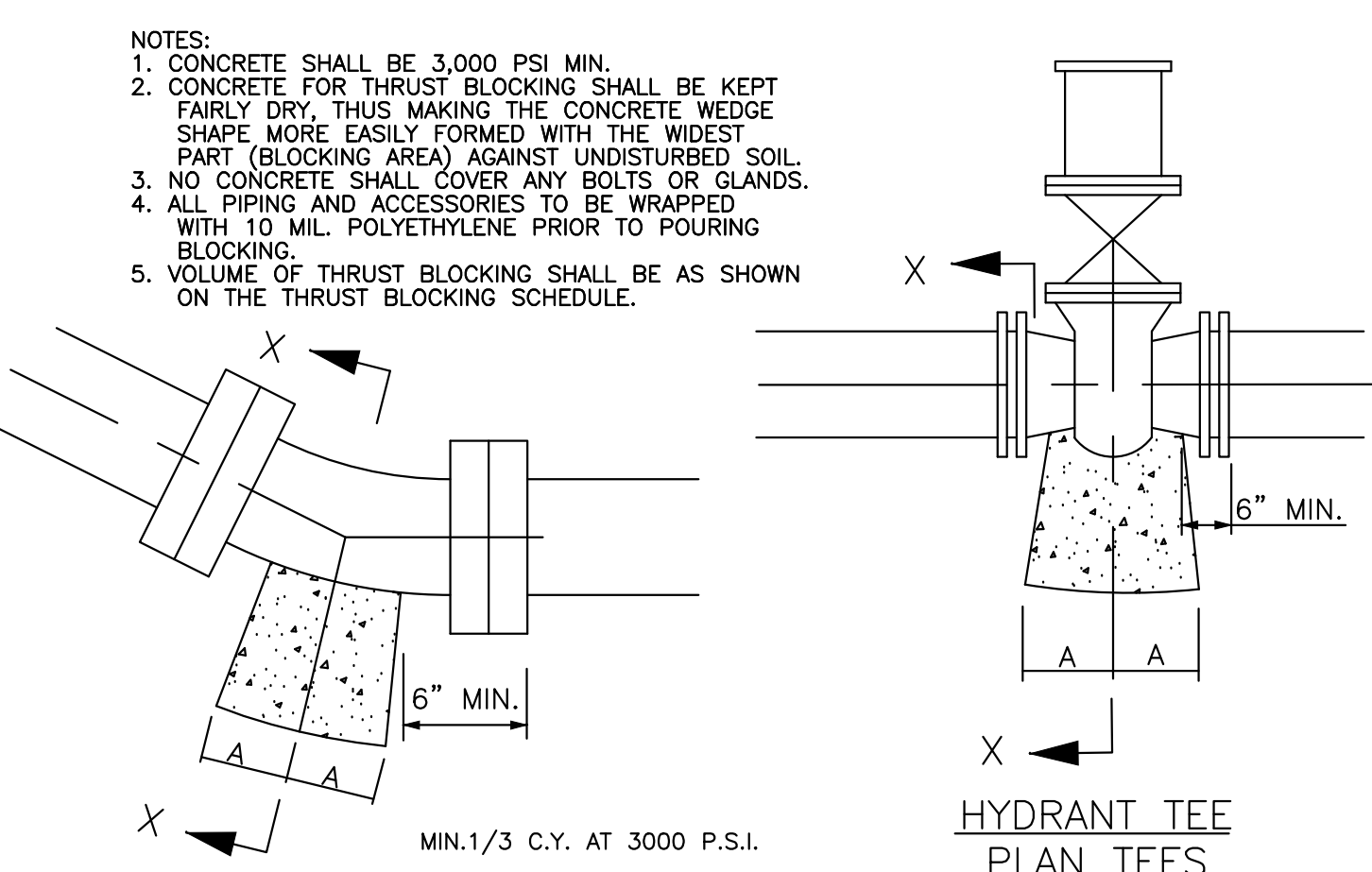
TYPICAL BELOW GROUND PUMPS SEWER LIFT STATION DETAIL
NO SCALE



TYPICAL MANHOLE INVERT DETAIL
NO SCALE

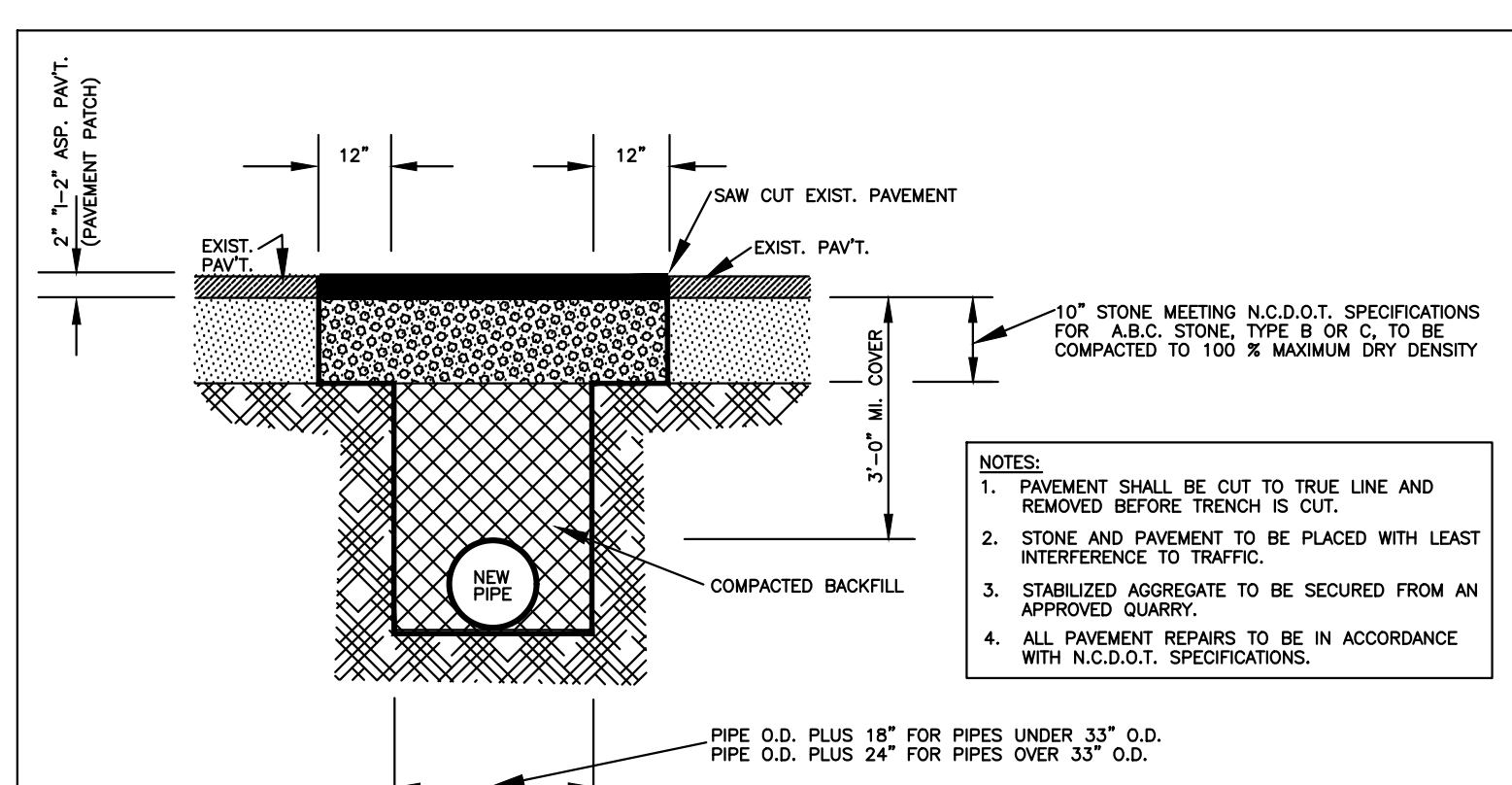


TYPICAL PIPE LAYING CONDITION DETAILS
NO SCALE



PIPE SIZE	90° BEND		45° BEND		22 1/2° BEND		11 1/4° BEND		TEE			PLUG	
	A	B	A	B	A	B	A	B	A	B	C	D	
4"	8"	12"	8"	8"	6"	6"	6"	6"	8"	9"	10"	16"	
6"	10"	12"	8"	10"	8"	8"	8"	8"	10"	10"	12"	18"	
8"	15"	13"	10"	10"	8"	8"	8"	8"	10"	12"	12"	24"	
10"	16"	14"	10"	12"	6"	10"	6"	10"	11"	14"	14"	25"	
12"	20"	16"	12"	14"	8"	12"	8"	12"	14"	16"	16"	30"	
14"	22"	18"	14"	16"	10"	14"	10"	14"	16"	18"	18"	34"	
16"	26"	20"	16"	18"	12"	16"	12"	16"	18"	20"	20"	36"	

TYPICAL THRUST BLOCK DETAIL
NO SCALE



TYPICAL TRENCH IN BITUMINOUS SURFACE AREAS DETAIL
NO SCALE

LAYING CONDITIONS	DESCRIPTION	PROJECT USE
TYPE 3	PIPE BEDDED IN 4" MINIMUM JOB EXCAVATED MATERIAL. BACKFILL LIGHTLY CONSOLIDATED TO TOP OF PIPE.	ALL DUCTILE IRON GRAVITY SEWER LINE.
TYPE 4	PIPE BEDDED IN SAND, GRANULAR MATERIAL OR GRADED GRAVEL TO THE DEPTH OF 1/8 PIPE DIAMETER, 4" MIN. JOB EXCAVATED MATERIAL COMPACTED TO 4" ABOVE TOP OF PIPE. (APPROX. 95% STANDARD PROCTOR, AASHTO T-99)	ALL PVC WATER LINE AND PVC FORCE MAIN.

TYPICAL LAYING CONDITIONS DETAIL
NO SCALE

HARNETT COUNTY
Public Utilities
WILMINGTON, NORTH CAROLINA

TYPICAL WATER & SEWER DETAILS

HARNETT COUNTY SPECIFICATIONS
HARNETT COUNTY - NORTH CAROLINA

Scale: NOTED
Date: 2009
Drawn By: H.C.D.P.U.
Checked By: W.W.R.
Book No.:
Page No.:
Job No.:
Sheet No.:

CSD ENGINEERING

LICENSE # C-2710
ENGINEERING
LAND PLANNING
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UTILITY PLAN STANDARD DETAILS

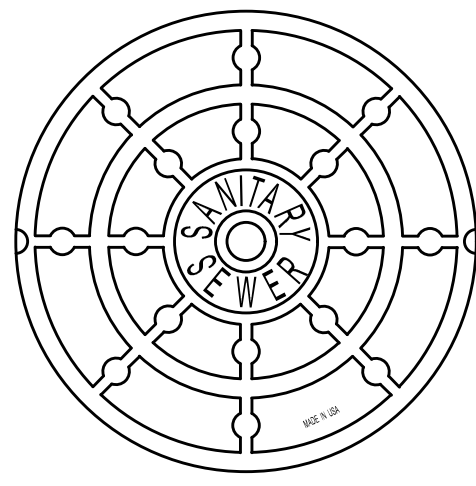
AMPLE STORAGE
CONSTRUCTION DRAWINGS FOR
LOCATED IN TOWN OF GERWIN
HARNETT COUNTY, NORTH CAROLINA
LAND OWNER: TURTLE RUN, LLC
GUY LAMPE JR - MANAGER
CONTACT: (919) 934-0041
TERRY WETHINGTON - PM (252) 670-2664

REMARKS

6" WATER SERVICE FOR FIRE HYDRANT DETAILS

DATE: 11/15/2023
HORZ SCALE: 1" = 40'
VERT SCALE: N/A
DRAWN BY: JFO
CHECKED BY: HSR
PROJECT NO.: 21-0590

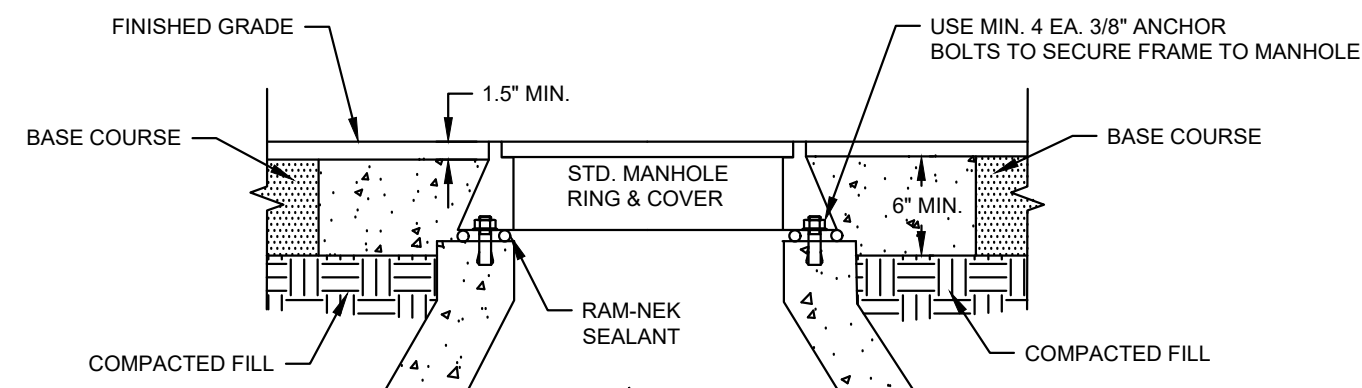
C7.1
Sheet No. 14 of 16



FRAME & COVER



COVER



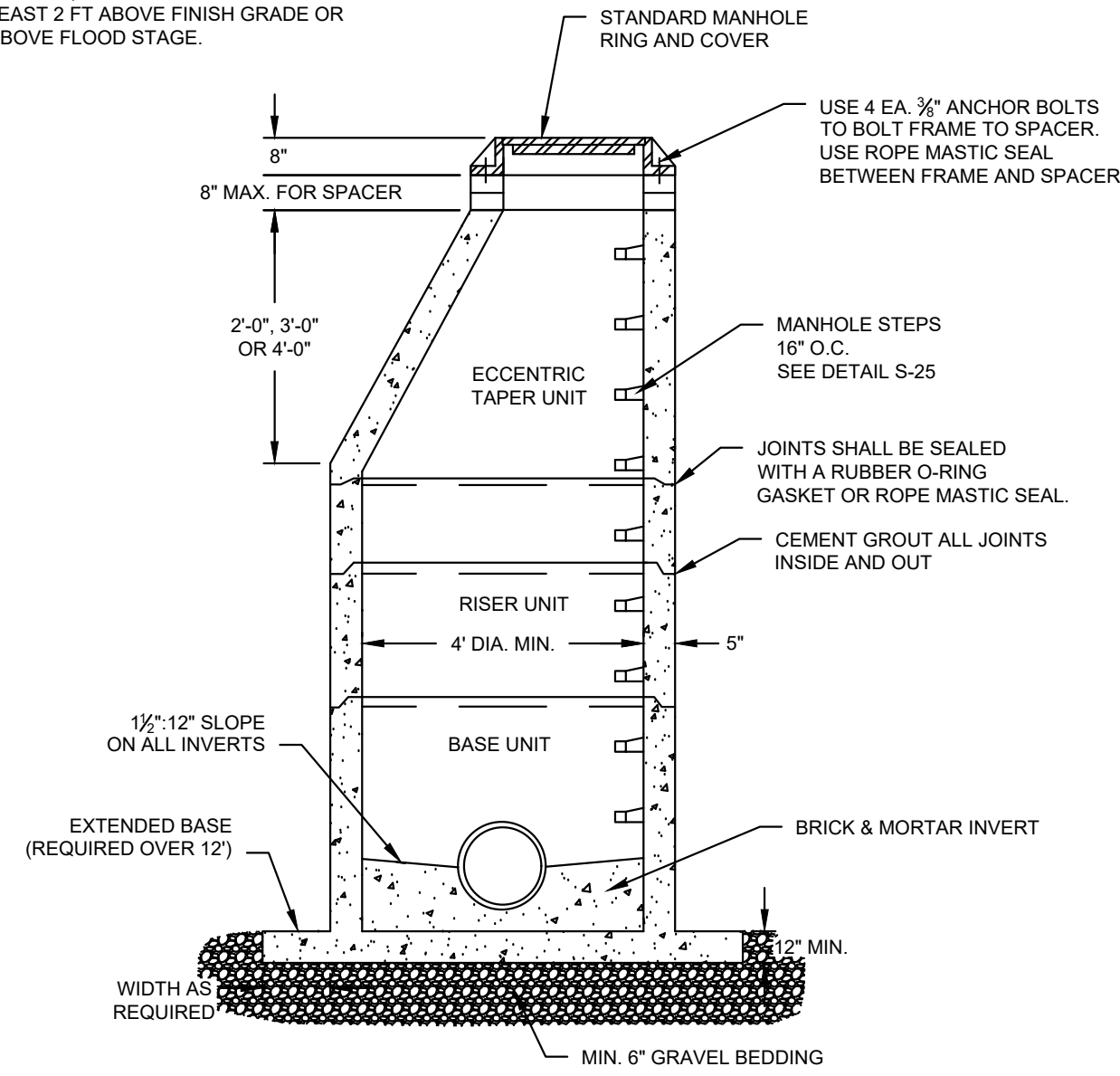
FRAME

NOTE:
CONCRETE ENCASUREMENT SHALL ONLY BE USED IN AREAS WHERE COVER IS TO BE FLUSH WITH PAVEMENT OR CONCRETE. CONCRETE ENCASUREMENT SHALL NOT BE USED IN NON-TRAFFIC AREAS AND ABOVE GRADE INSTALLATIONS.

TYPICAL STANDARD MANHOLE FRAME + COVER DETAIL

S 21

NOTE:
IN NON-TRAFFIC AREAS, TOP OF FRAME AND COVER SHALL BE INSTALLED AT LEAST 2 FT ABOVE FINISH GRADE OR AT LEAST 1 FT ABOVE FLOOD STAGE.

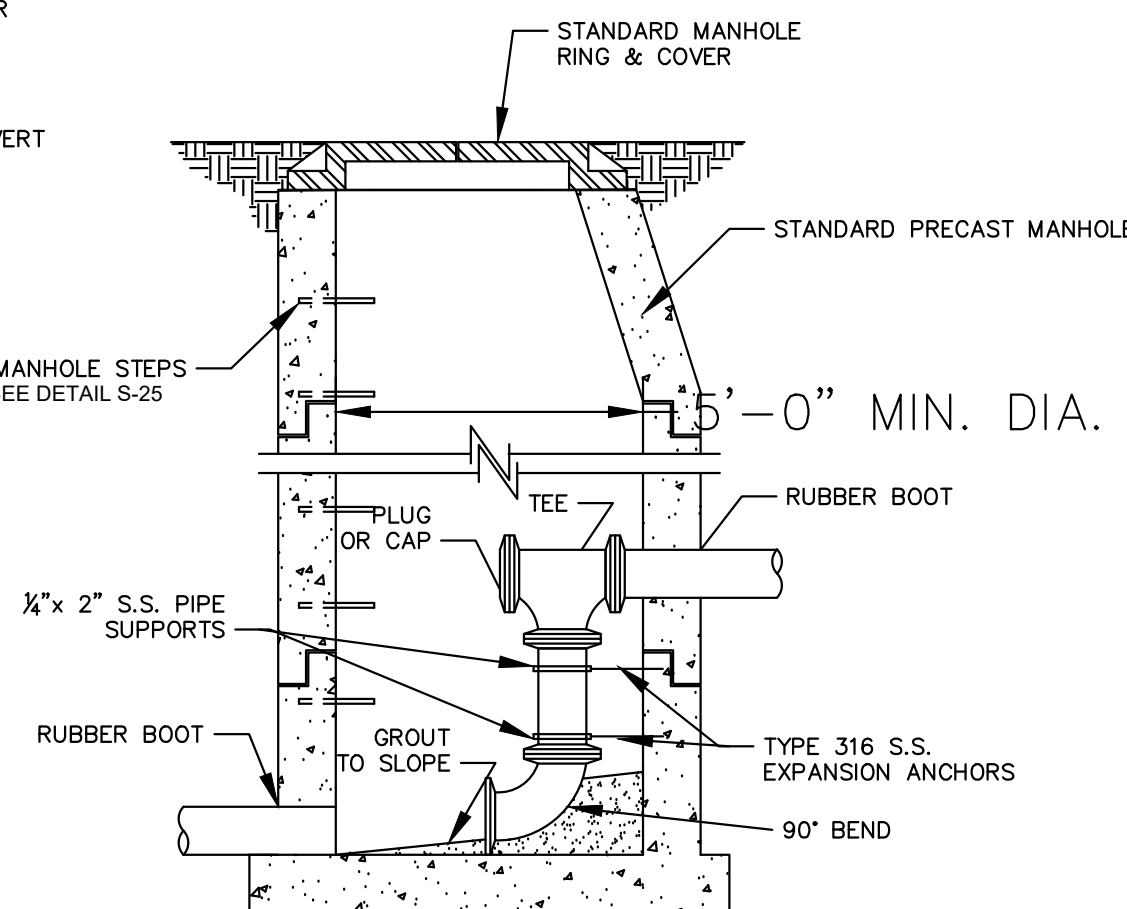


TYPICAL STANDARD PRECAST CONCRETE MANHOLE DETAIL

S 24

NO SCALE
NOTES:
1. SEE DETAIL S-28 FOR TYPICAL INVERT.

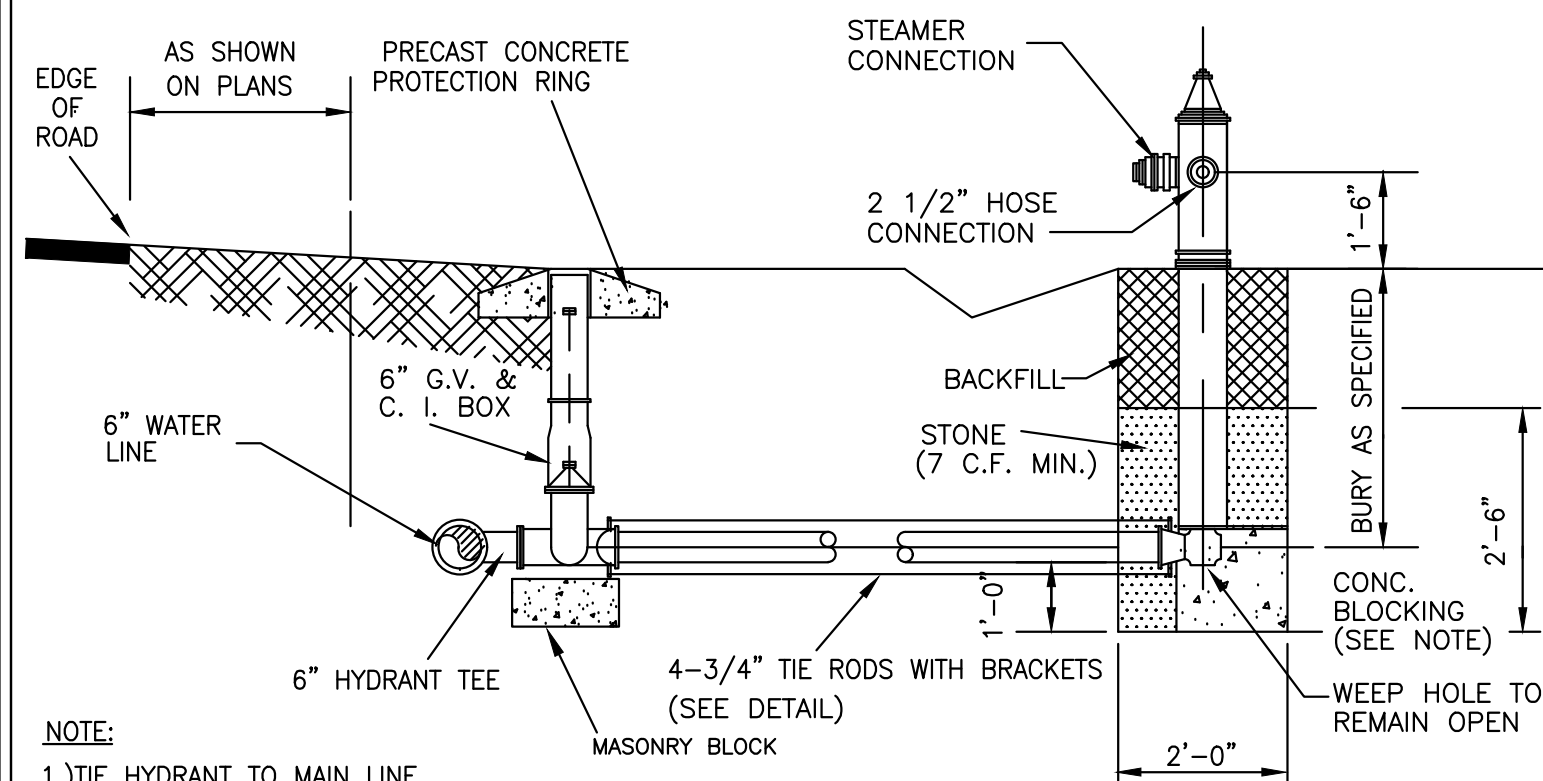
NOTE:
1. PIPE SIZE FOR DROP TO EQUAL INFLOW SEWER PIPE SIZE.
2. FITTINGS FOR DROPS SHALL BE C-900 OR SCHEDULE 40 PVC.
3. SAW-CUT OR DRILL ALL HOLES FOR PIPE AND BOLTS.
4. DROP-MANHOLE MANDATORY WHEN DIFFERENTIAL BETWEEN INVERTS IS GREATER THAN 24".
5. SEE DETAIL S-28 FOR TYPICAL INVERT



TYPICAL INSIDE DROP MANHOLE DETAIL

S 25

NO SCALE

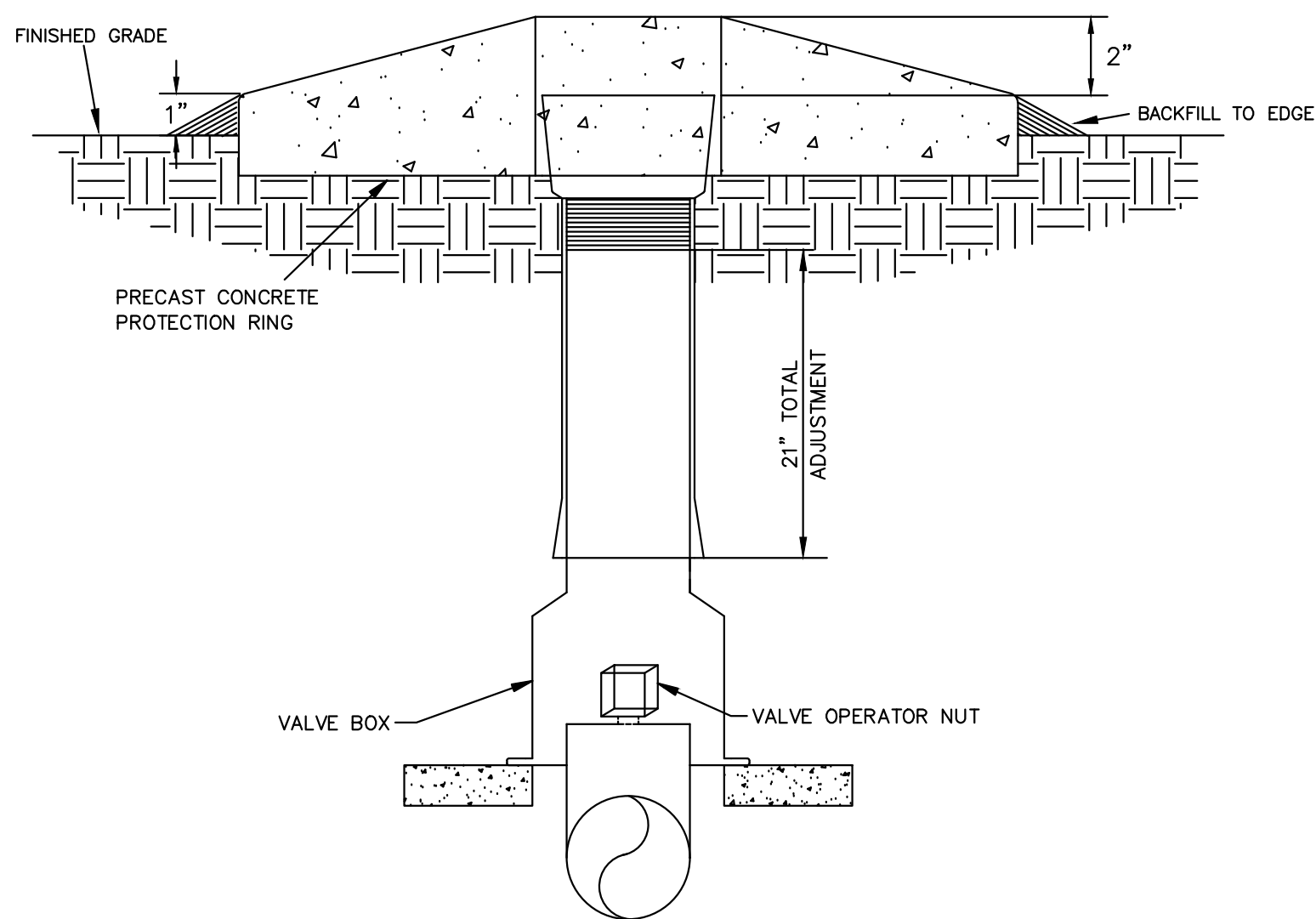


NOTE:
1.) TIE HYDRANT TO MAIN LINE W/TIE RODS IN LIEU OF CONC. BLOCKING IN SANDY SOIL.
2.) MECHANICAL JOINTS USED WITH GRIP RINGS

TYPICAL FIRE HYDRANT INSTALLATION DETAIL

W 6

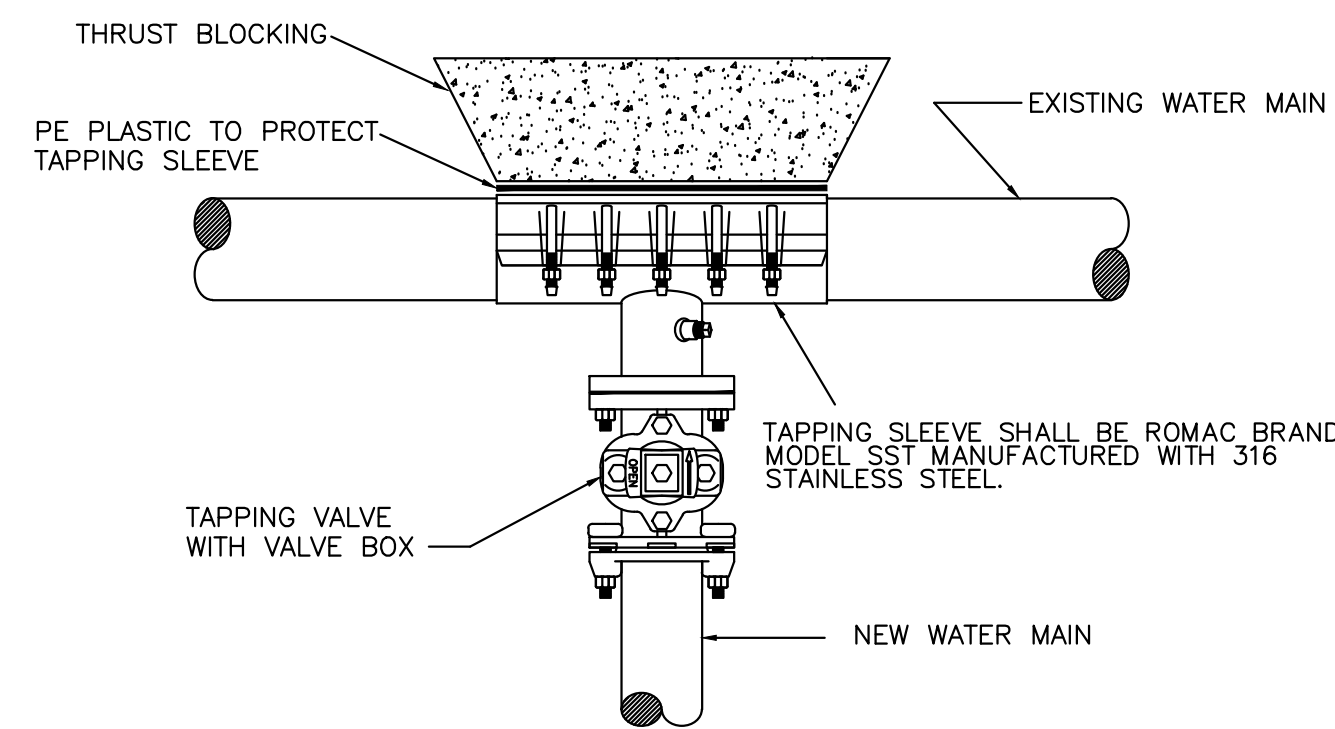
NO SCALE



TYPICAL VALVE BOX DETAIL

W 2

NO SCALE



TYPICAL TAPPING SLEEVE AND VALVE ASSEMBLY DETAIL

W 5

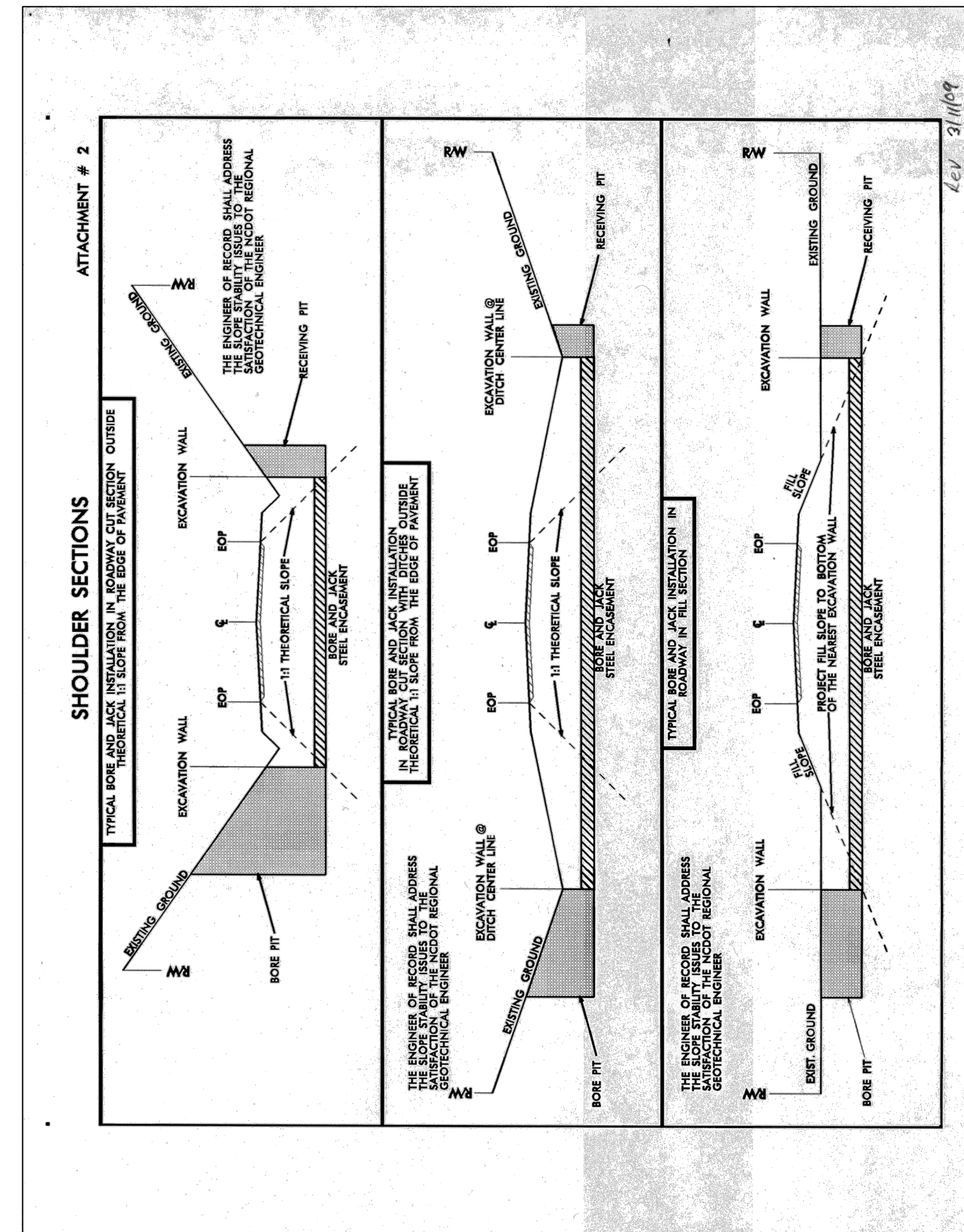
NO SCALE

Mark	Revisions	Date	App'd.

HARNETT County
Public Utilities
LILLINGTON, NORTH CAROLINA

TYPICAL WATER & SEWER DETAILS
HARNETT COUNTY - NORTH CAROLINA

Scale:	NOTED
Date:	2009
Drawn By:	H.C.D.P.U.
Checked By:	W.W.R.
Book No.:	
Page No.:	
Job No.:	
Sheet No.:	



LICENSE # C-2710
ENGINEERING
LAND PLANNING
COMMERCIAL / RESIDENTIAL
P.O. BOX 1250
WENDELL, NC 27591
(910) 791-4441

UTILITY PLAN
STANDARD DETAILS

CONSTRUCTION DRAWINGS FOR
AMPLE STORAGE
LOCATED IN TOWN OF ERWIN
HARNETT COUNTY, NORTH CAROLINA
LAND OWNER: TURTLE RUN, LLC
CONTACT: GUY LAMPE JR - MANAGER
SWITHELE, NC 27377
(919) 934-0041
TERRY WETHINGTON - PM (252) 670-2664



DATE:	11/15/2023
HORIZ. SCALE:	1" = 40'
VERT. SCALE:	N/A
DRAWN BY:	JFO
CHECKED BY:	HSR
PROJECT NO.:	21-0590
REV. NO.	
BY	DATE
JFO	12/4/23
REMARKS	6" WATER SERVICE FOR FIRE HYDRANT; DETAILS

DATE: 11/15/2023
HORZ. SCALE: 1" = 40'
VERT. SCALE: N/A
DRAWN BY: JFO
CHECKED BY: HSR
PROJECT NO.: 21-0590
C7.2
Sheet No. 15 of 16

