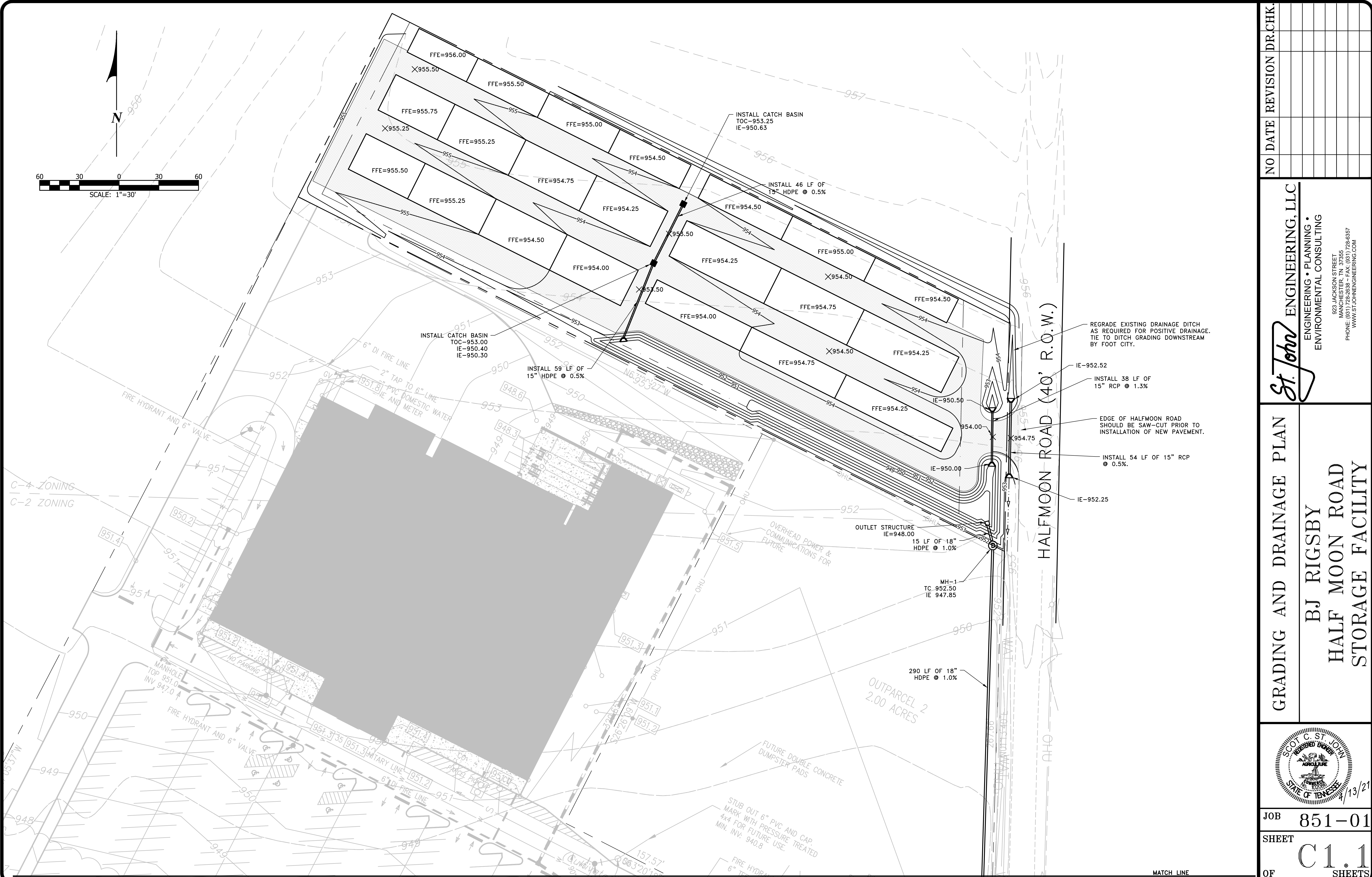


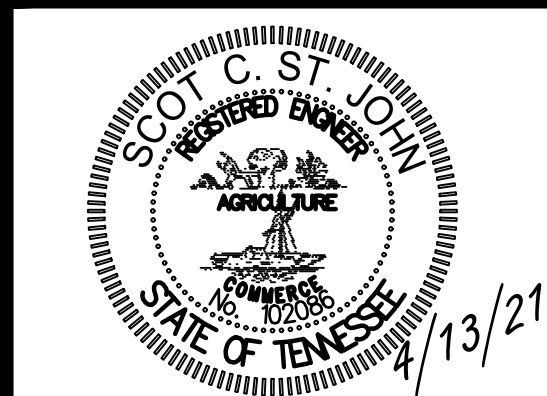
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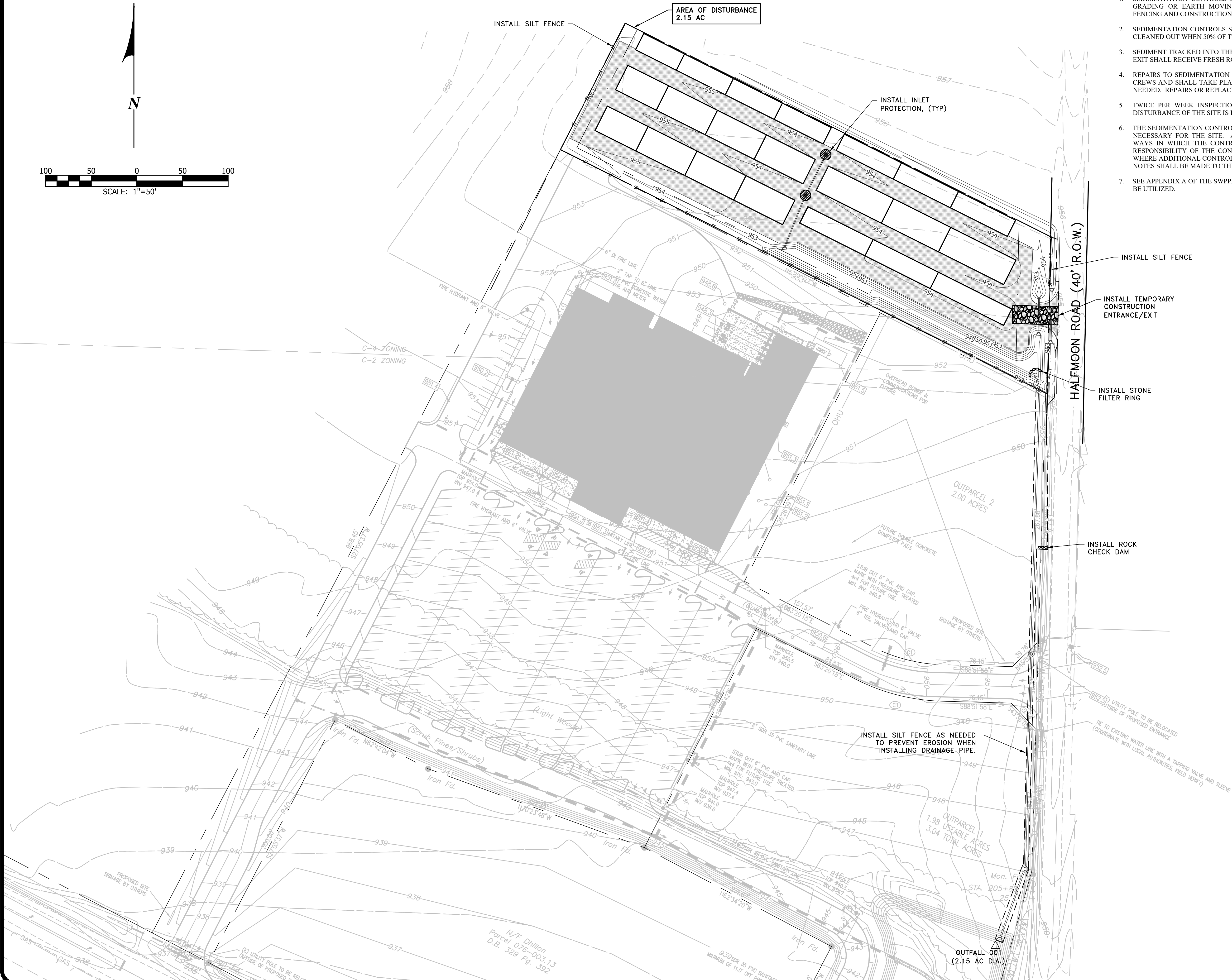
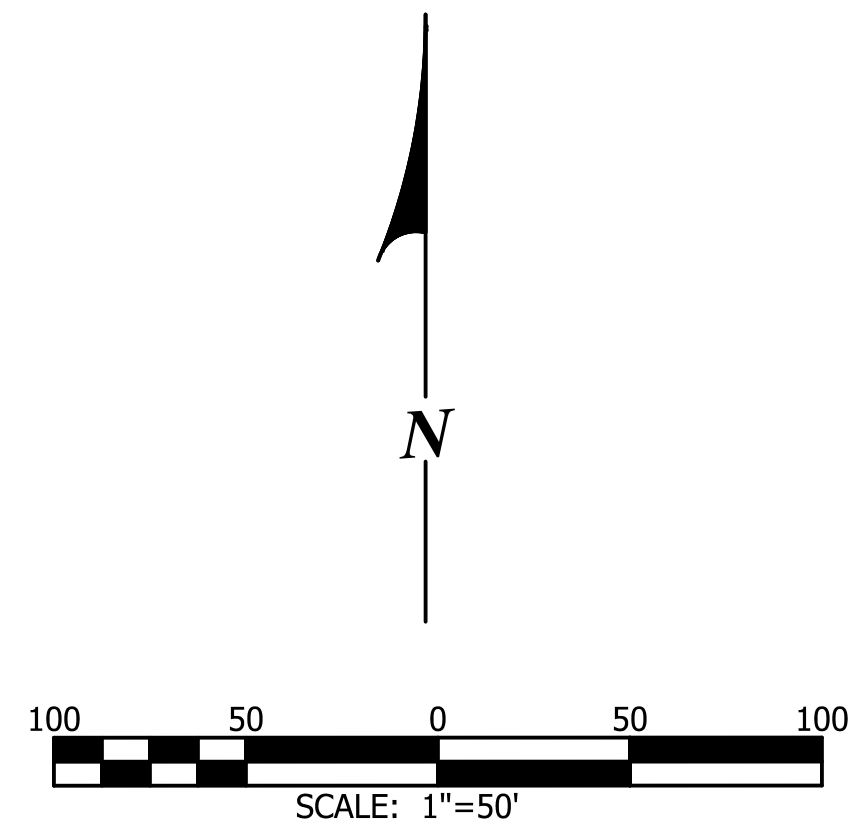
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GRADING AND DRAINAGE PLAN

BJ RIGSBY
HALF MOON ROAD
STORAGE FACILITY



JOB 851-01
 SHEET C 1.1
 OF SHEETS



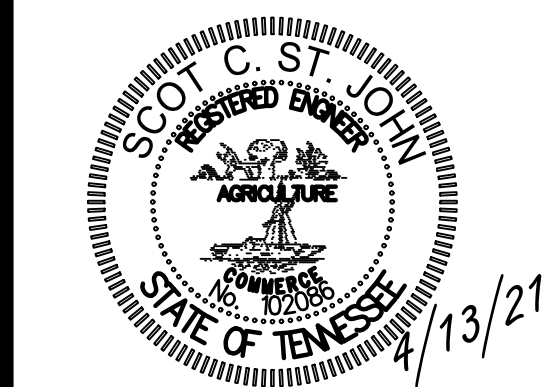
- EROSION AND SEDIMENTATION CONTROL NOTES**
1. SEDIMENTATION CONTROLS SHALL BE INSTALLED AS SHOWN ON THIS PLAN PRIOR TO GRADING OR EARTH MOVING TAKING PLACE. THIS WILL INCLUDE PERIMETER SILT FENCING AND CONSTRUCTION EXIT.
 2. SEDIMENTATION CONTROLS SHALL BE MAINTAINED IN SUCH A MANNER THAT THEY ARE CLEANED OUT WHEN 50% OF THE SILT CARRYING CAPACITY HAS BEEN REACHED.
 3. SEDIMENT TRACKED INTO THE STREET MUST BE CLEANED UP DAILY. THE CONSTRUCTION EXIT SHALL RECEIVE FRESH ROCK AS NECESSARY TO MINIMIZE TRACKING.
 4. REPAIRS TO SEDIMENTATION CONTROLS SHALL BE THE TOP PRIORITY OF CONSTRUCTION CREWS AND SHALL TAKE PLACE IMMEDIATELY UPON THE DISCOVERY THAT REPAIRS ARE NEEDED. REPAIRS OR REPLACEMENT SHALL BE COMPLETED IN NO MORE THAN 7 DAYS.
 5. TWICE PER WEEK INSPECTIONS OF THE SITE SHALL BE INITIATED AS SOON AS LAND DISTURBANCE OF THE SITE IS INITIATED.
 6. THE SEDIMENTATION CONTROLS SHOWN ON THIS PLAN REFLECT THE MINIMUM CONTROLS NECESSARY FOR THE SITE. ADDITIONAL CONTROLS MAY BE REQUIRED BASED ON THE WAYS IN WHICH THE CONTRACTOR PROGRESSES WITH THE WORK. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, WITH THE AID OF THE INSPECTOR, TO IDENTIFY WHERE ADDITIONAL CONTROLS WILL BE REQUIRED AND TO IMPLEMENT THOSE CONTROLS. NOTES SHALL BE MADE TO THE FIELD SET OF PLANS INDICATING ANY CHANGES.
 7. SEE APPENDIX A OF THE SWPPP FOR SPECIFICATIONS OF BEST MANAGEMENT PRACTICES TO BE UTILIZED.

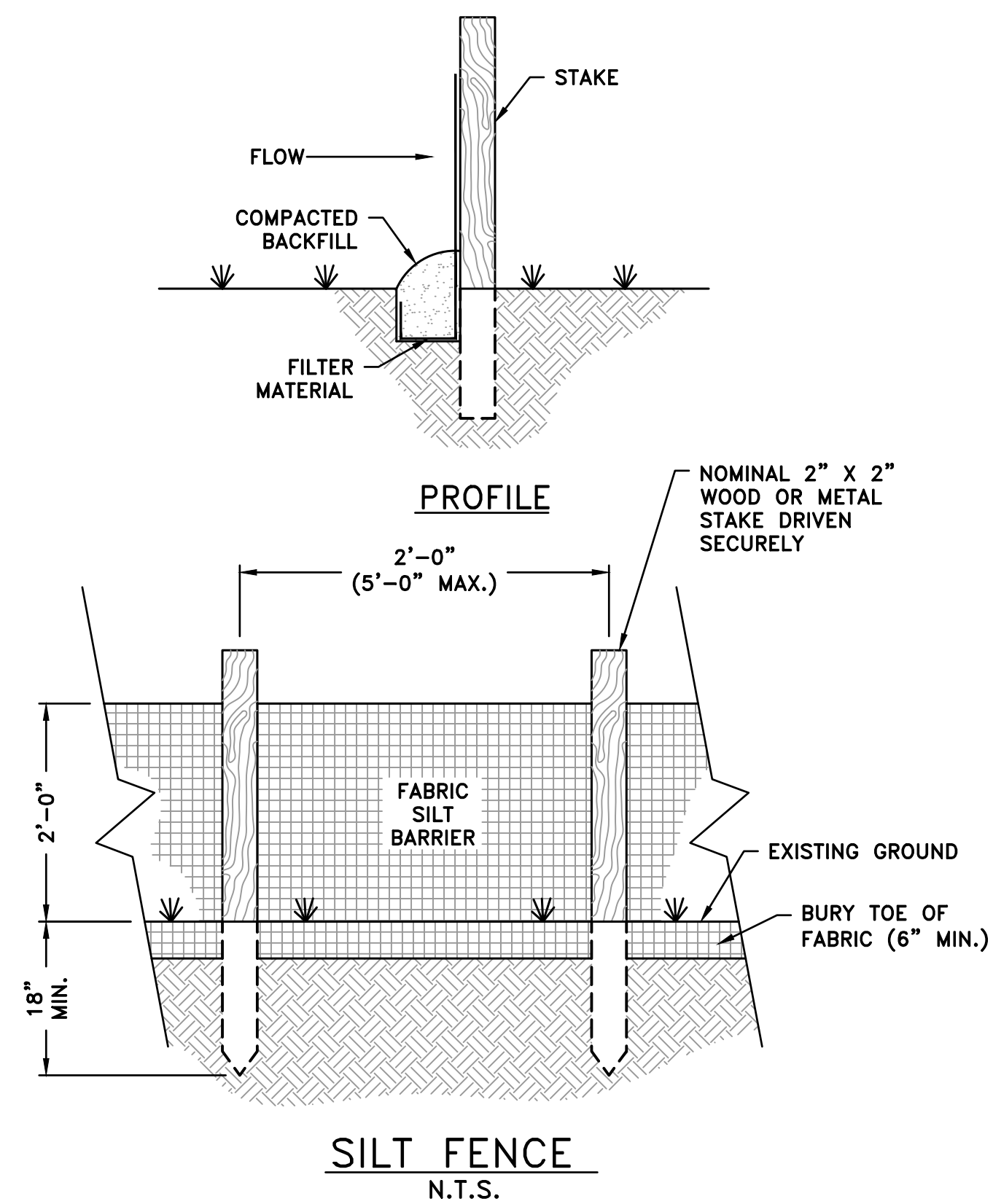
NO	DATE	REVISION	DR	CHK.

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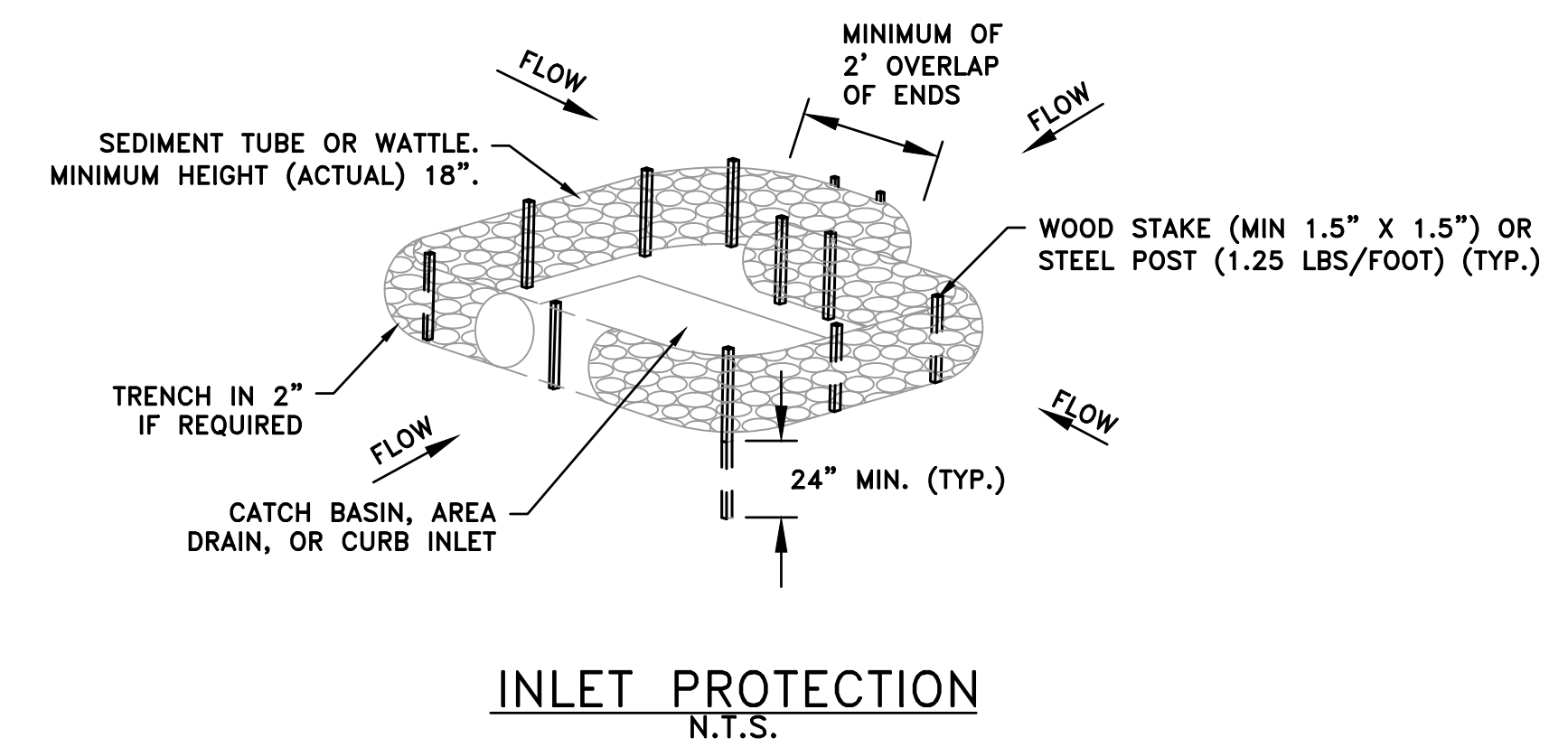
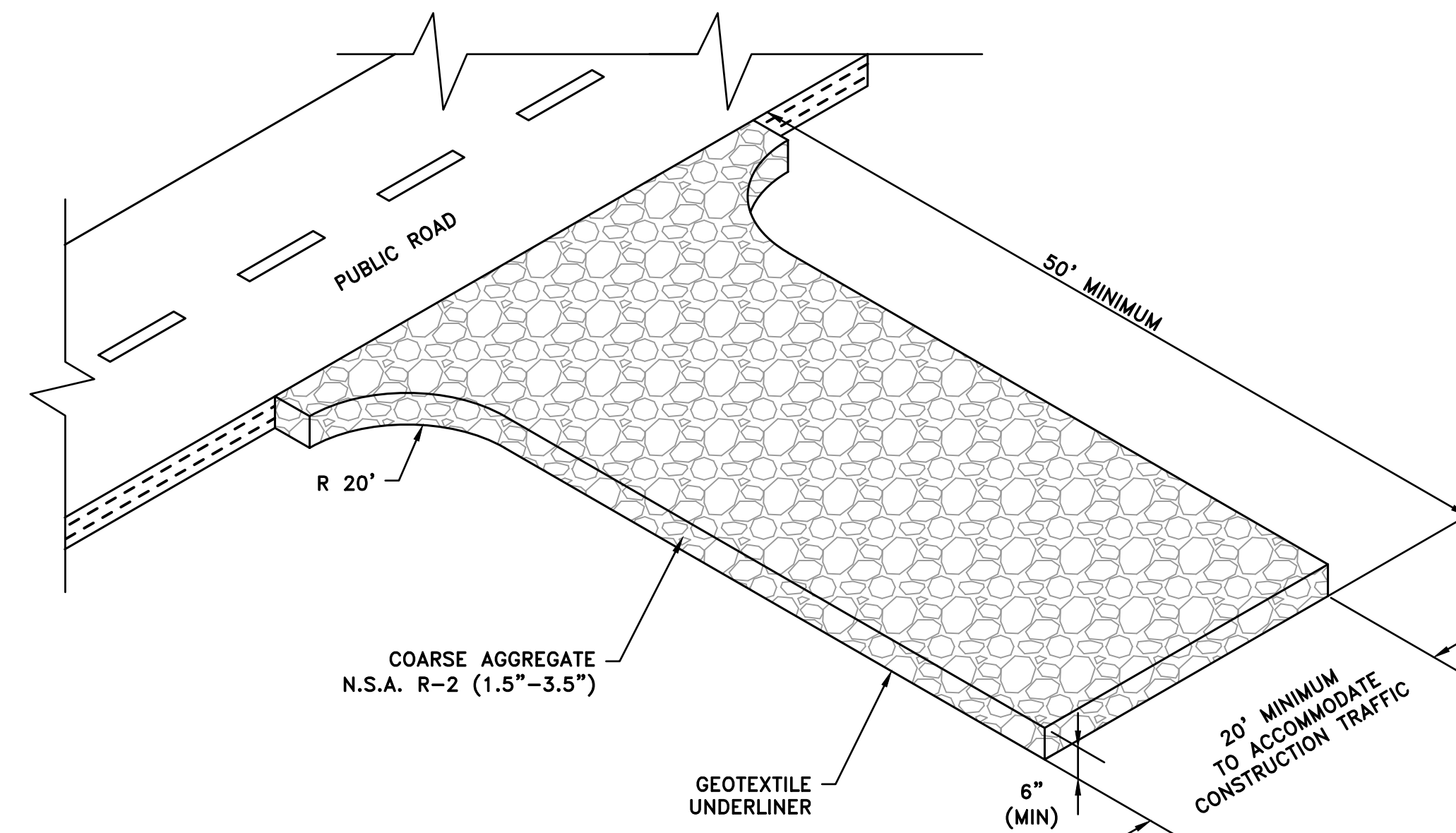
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INITIAL EROSION
CONTROL PLAN
BJ RIGSBY
HALF MOON ROAD
STORAGE FACILITY



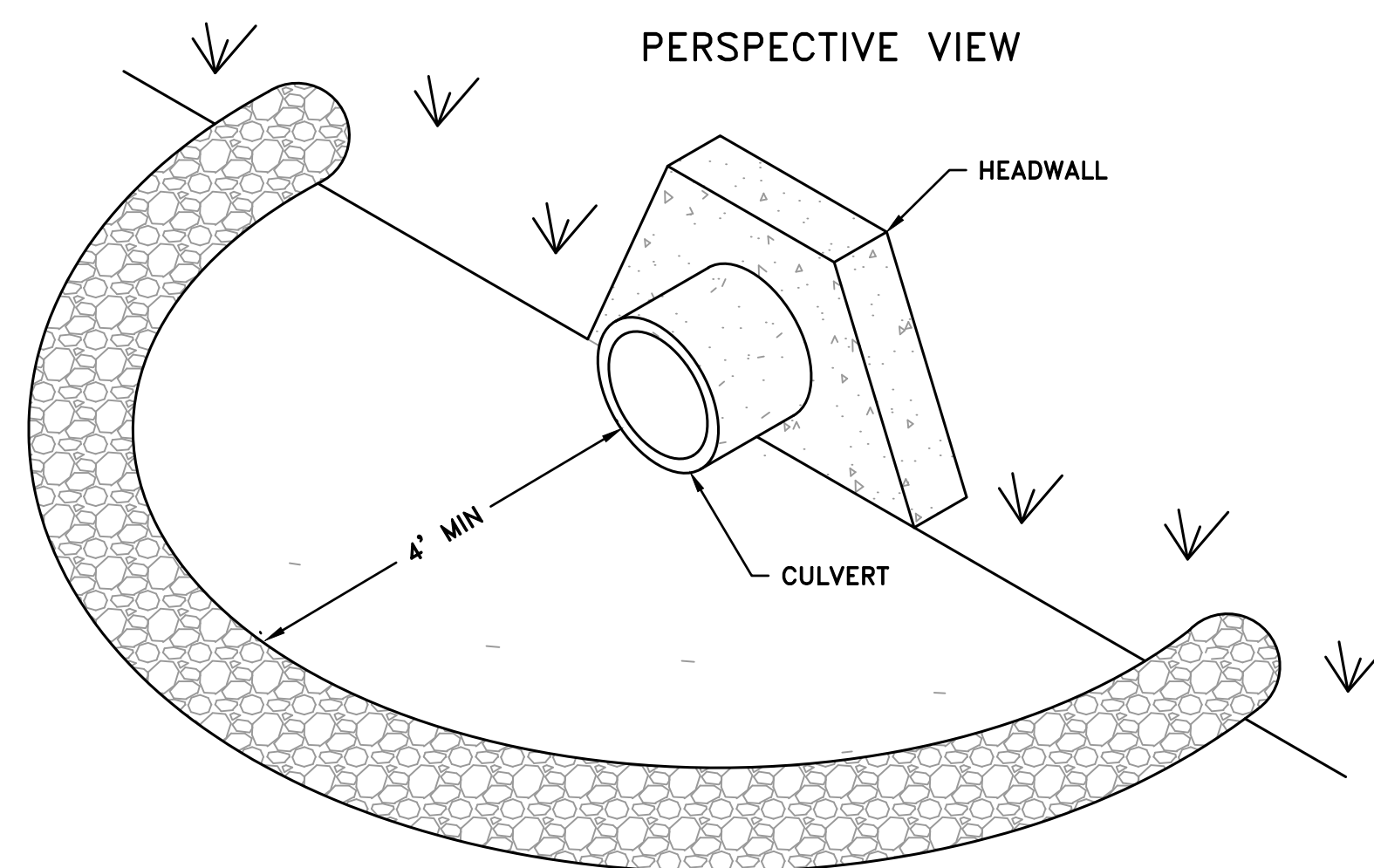
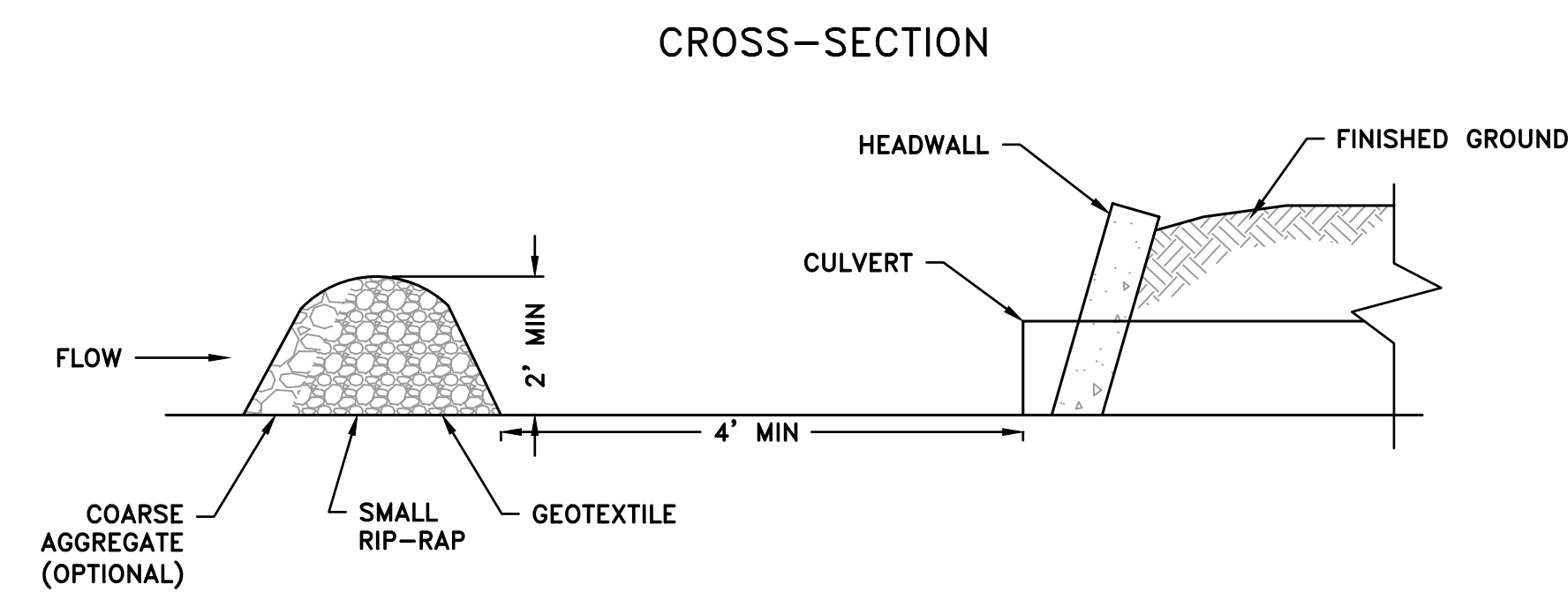


1. LOCATE STONE STABILIZED PAD AT ANY POINT WHERE VEHICULAR TRAFFIC WILL BE LEAVING THE CONSTRUCTION SITE ONTO A PUBLIC RIGHT-OF-WAY STREET, ROADWAY, OR PARKING AREA.
2. WIDTH= 20'-0" MINIMUM BUT NOT LESS THAN FULL WIDTH OF ALL POINTS OF VEHICULAR EGRESS.
LENGTH= 50'-0" MINIMUM
3. MAINTAIN THE EXIT TO PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. PROVIDE PERIODIC TOP DRESSING WITH 1.5"-3.5" STONE, AS CONDITIONS DEMAND. IMMEDIATELY REMOVE ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE OR SITE ONTO ROADWAY OR INTO STORM DRAINS.
4. CLEAN WHEELS TO REMOVE MUD PRIOR TO ENTRANCE ON TO PUBLIC RIGHT-OF-WAY, WHEN WASHING IS REQUIRED, DO SO ON AREAS STABILIZED WITH CRUSHED STONE DRAINING INTO AN APPROVED SEDIMENT TRAP OF SEDIMENT BASIN.



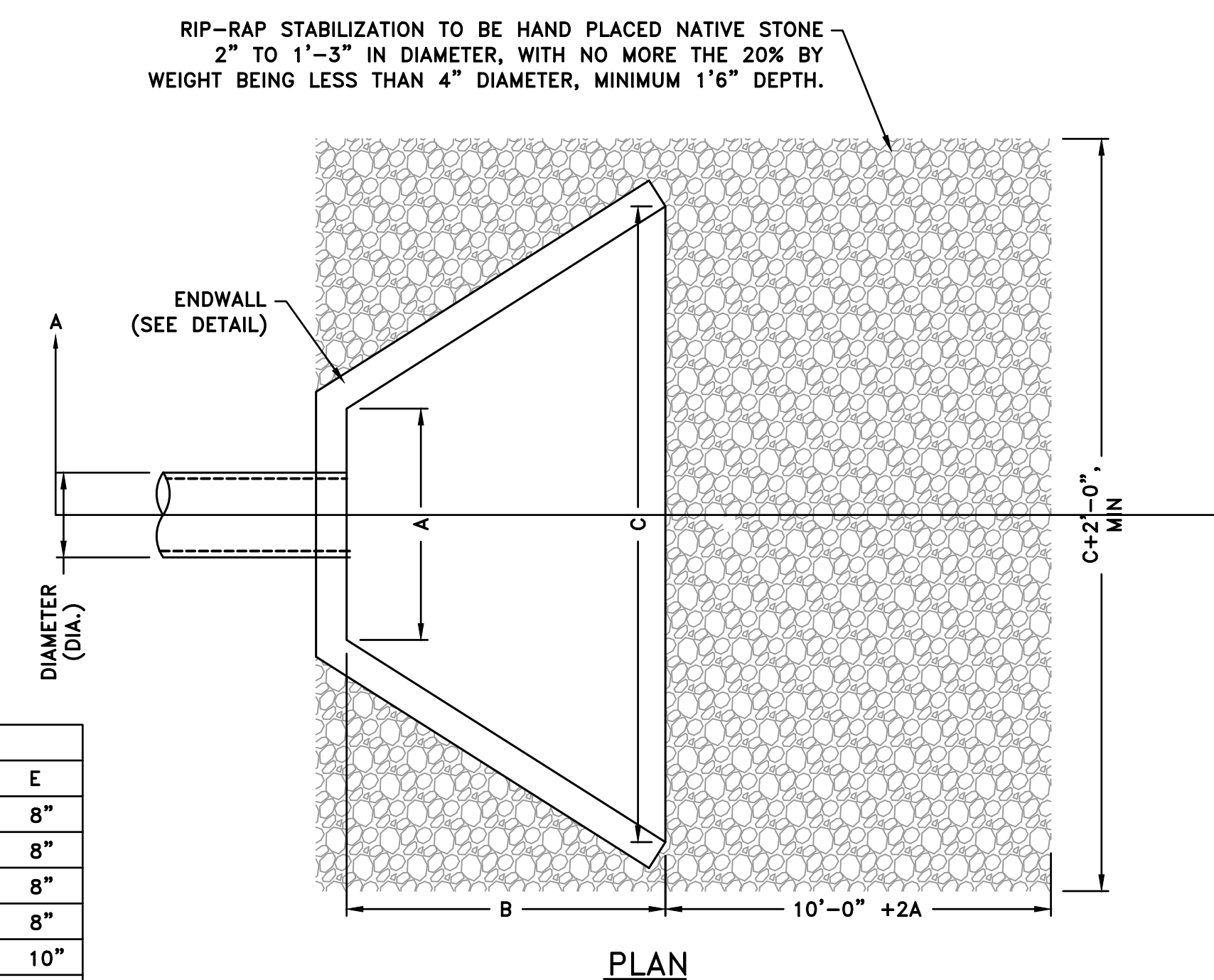
INLET PROTECTION
N.T.S.

TEMPORARY CONSTRUCTION EXIT
N.T.S.

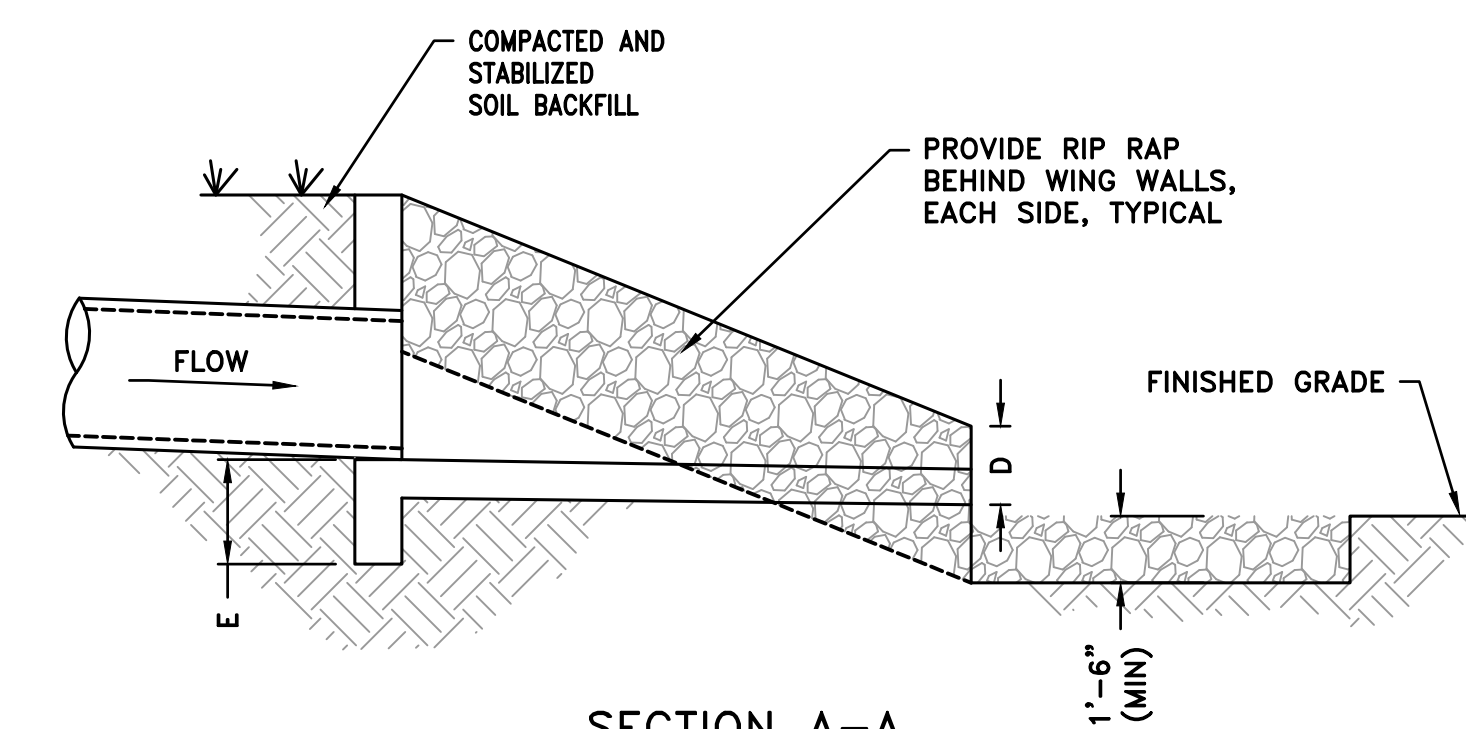


STONE FILTER RING
N.T.S.

DIMENSIONS TABLE					
DIA.	A	B	C	D	E
12"	20"	30"	60"	6"	8"
15"	23"	36"	72"	6"	8"
18"	28"	42"	84"	9"	8"
24"	34"	48"	96"	9"	8"
30"	40"	54"	108"	12"	10
36"	48"	60"	120"	15"	10
42"	54"	66"	132"	18"	10
48"	60"	72"	144"	21"	12
54"	66"	78"	156"	24"	12
60"	72"	84"	168"	24"	12



PLAN



SECTION A-A

RIP RAP AT ENDWALL
N.T.S.

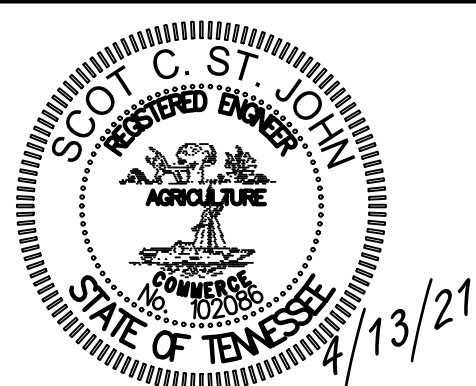
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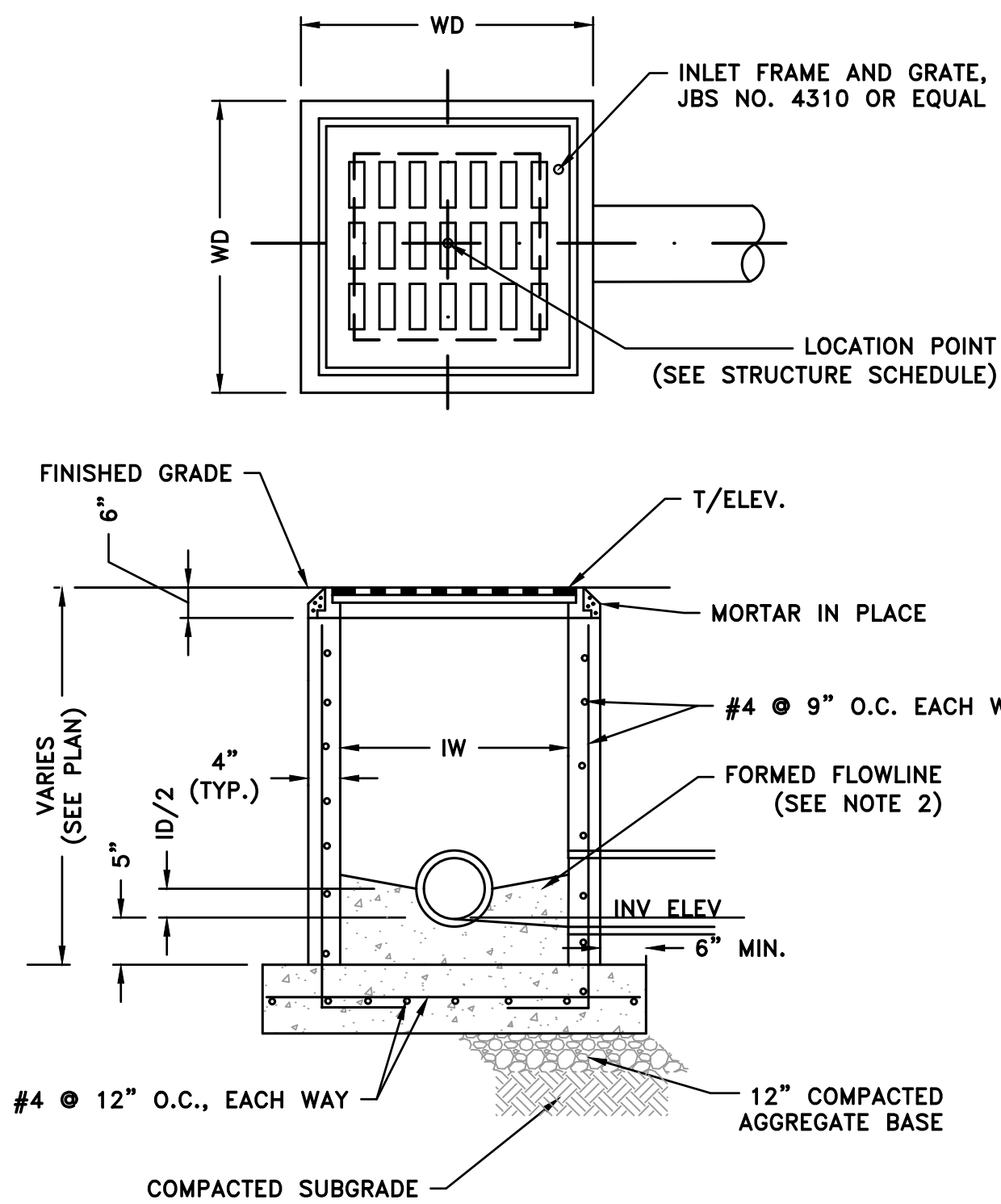
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DETAILS

**BJ RIGSBY
HALF MOON ROAD
STORAGE FACILITY**



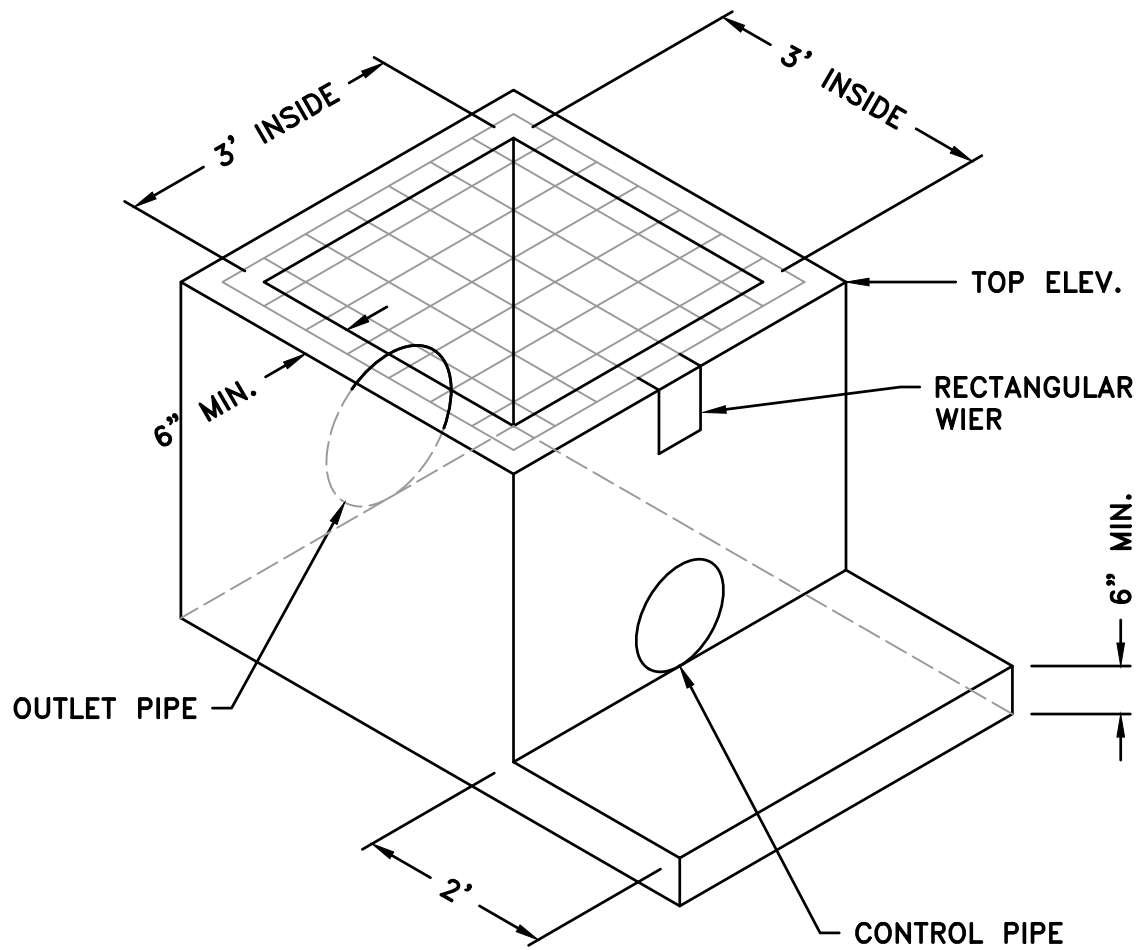
JOB 851-01
SHEET C3.1
OF SHEETS



SIZE	WD	IW
28"x 28"	40"	40"

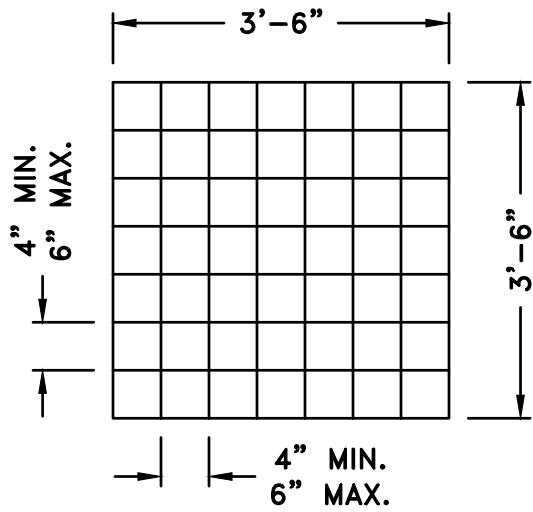
- NOTES:
- SEE PLAN FOR LOCATION, ELEVATION AND PIPE INFORMATION.
 - FLOWLINE OF MANHOLE MAY BE FORMED IN CONCRETE; BUILT UP WITH MORTAR; OR BY LAYING A PIPE THROUGH MANHOLE, THE TOP BEING BROKEN OUT LATER.
 - GROUT ANNULAR SPACE BETWEEN WALL AND PIPE WITH NON-SHRINK MORTAR TO INSURE WATERTIGHT SEAL.
 - ALL CONCRETE TO COMPLY WITH ACI 318 WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI. 28 DAY TEST.
 - CATCH BASIN TO BE CONSTRUCTED OF SUFFICIENT SIZE TO ACCOMMODATE INLET AND OUTLET PIPES.
 - STEPS TO BE NEENAH R-1982-W PROVIDED WITHIN 12" OF TOP, 16" O.C.
 - ADJUSTING RINGS OR BRICK ARE REQUIRED TO ADJUST TOP ELEVATION PRIOR TO FINAL PAVING.
 - PRE-CAST CONCRETE STRUCTURE MAY BE USED IN LIEU OF CAST-IN-PLACE WHEN ADEQUATE COVER PERMITS ITS USE AND WHEN APPROVED BY THE ENGINEER.

CATCH BASIN DETAIL
N.T.S.



POND	CONTROL PIPE INVERT ELEV.	CONTROL PIPE DIA.	OUTLET PIPE INVERT ELEV.	OUTLET PIPE DIA.	TOP ELEV.	RECT. WIER WIDTH	RECT. WIER ELEV.
1	948.00	7.25"	948.00	18"	952.15	1.25'	951.25'

- NOTE:
- THE PRECAST MANUFACTURER SHALL DETERMINE REINFORCEMENT AND CONCRETE THICKNESS OF WALLS AND BOTTOM SLAB TO MEET STRENGTH REQUIREMENTS AND PREVENT FLOATATION.
 - AN OPEN GRATE SHALL BE CONSTRUCTED ON THE TOP OF THE OUTLET STRUCTURE WITH MAXIMUM AND MINIMUM CLEAR OPENING DIMENSIONS OF 6"x6" AND 4"x4" RESPECTIVELY AND SHALL BE CAPABLE OF SUPPORTING A 300 POUND POINT LOAD AT ANY POINT. THE GRATE SHALL BE SECURELY FASTENED TO THE TOP OR OUTSIDE OF THE OUTLET STRUCTURE WALLS.



DETENTION POND OUTLET
STRUCTURE DETAIL

NO	DATE	REVISION	DR.	CHK.

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DETAILS

BJ RIGSBY
HALF MOON ROAD
STORAGE FACILITY

SCOT C. ST. JOHN
REGISTERED ENGINEER
AGRICULTURE
STATE OF IOWA
4/13/21

JOB 851-01
SHEET C3.2
OF SHEETS