

PROJECT GENERAL NOTES

1. EXISTING BOUNDARY LINE, TOPOGRAPHIC, AND SITE UTILITY INFORMATION IS BASED UPON SURVEY PERFORMED BY NORTH POINT SURVEY SERVICES.
2. PRIOR TO THE START OF CONSTRUCTION IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM THAT ALL REQUIRED APPROVALS HAVE BEEN ISSUED AND THAT THE CONTRACTOR HAS RECEIVED AND REVIEWED ALL APPROVALS/CONDITIONS FOR THE PROJECT ISSUED BY THE **TOWN OF SALISBURY**.
3. PRIOR TO WORK, CONTRACTOR SHALL HAVE THE PROPOSED SITE LAID OUT VERTICALLY AND HORIZONTALLY BY A PROFESSIONAL LAND SURVEYOR.
4. IN ACCORDANCE WITH CHAPTER 82 SECTION 40 INCLUDING AMENDMENTS, THE CONTRACTOR SHALL NOTIFY IN WRITING ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES PRIOR TO EXCAVATION WORK AND CALL DIG-SAFE AT 1-800-DIG-SAFE PRIOR TO COMMENCING WORK.
5. THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVES. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTORS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
6. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATIONS, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.
7. CONTRACTOR SHALL FIELD VERIFY AND LOCATE ALL EXISTING UTILITIES AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING WORK.
8. CONTRACTOR SHALL PROVIDE ADEQUATE BRACING AND SHORING OF ALL EXCAVATIONS IN ACCORDANCE WITH THE REQUIREMENTS OF ALL GOVERNING CODES AND REGULATIONS.
9. CONTRACTOR SHALL COORDINATE WITH THE STATE POLICE AND/OR THE LOCAL POLICE DEPARTMENT FOR TRAFFIC RELATED ISSUES PRIOR TO COMMENCING WORK. CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC COORDINATION AND POLICE DETAILS AS REQUIRED BY THE CITY, TOWN OR STATE.
10. CONTRACTOR SHALL SAW-CUT PAVEMENT WHERE PAVEMENT TO BE REMOVED ABUTS PAVEMENT WHICH IS TO REMAIN AND WHERE NEW PAVEMENT ABUTS EXISTING PAVEMENT.
11. CONTRACTOR SHALL MAINTAIN ALL NEW AND EXISTING UTILITIES IN GOOD WORKING ORDER AND SHALL PROTECT THEM FROM DAMAGE AT ALL TIMES THROUGHOUT CONSTRUCTION UNTIL WORK IS COMPLETED AND ACCEPTED.
12. PRIOR TO CONSTRUCTION CONTRACTOR SHALL OBTAIN THE NPDES CONSTRUCTION GENERAL PERMIT.
13. ALL WATER, SEWER, CURB CUT, STREET OPENING AND JACKIE'S LAW EXCAVATION PERMITS SHALL BE OBTAINED AT THE ENGINEERING DEPARTMENT PRIOR TO ANY EXCAVATION.
14. AN APPROVED SITE AS-BUILT PLAN SHALL BE SUBMITTED TO THE TOWN OF SALISBURY WITHIN 60 DAYS OF THE CERTIFICATED OF OCCUPANCY. THE AS-BUILT SHALL BE SUBMITTED IN MYLAR AND IN ELECTRONIC AUTOCAD FORMAT.
15. EXISTING PARKING SPACES TO BE REPAINTED.
16. ALL UNITS TO BE NUMBERED AND APPROVED BY THE TOWN SALISBURY'S ASSESSORS DEPARTMENT.

DIG SAFE NOTES

1. IN ACCORDANCE WITH CHAPTER 82 SECTION 40 INCLUDING AMENDMENTS, THE CONTRACTOR SHALL NOTIFY IN WRITING ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES PRIOR TO EXCAVATION WORK AND CALL DIG-SAFE AT 1-800-DIG-SAFE PRIOR TO COMMENCING WORK.
2. THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVES. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTORS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
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4. CONTRACTOR SHALL FIELD VERIFY AND LOCATE ALL EXISTING UTILITIES AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING WORK.

BEFORE CONSTRUCTION CALL (72 HOURS IN ADVANCE):

- "DIG SAFE" AT 1-800-DIG SAFE
- 1-888-344-1235

THE LOCATION OF EXISTING UNDERGROUND UTILITIES AND UNDERGROUND STRUCTURES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE UTILITY OWNER OR ITS REPRESENTATIVES. THE LOCATIONS SHOWN BASED ON FIELD SURVEY AND RECORDS PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH EACH UTILITY PROVIDER AND SHALL ALSO DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR FURTHER AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTORS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES IN ACCORDANCE WITH CHAPTER 82 SECTION 40 INCLUDING AMENDMENTS. THE CONTRACTOR SHALL NOTIFY IN WRITING ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES PRIOR TO EXCAVATION WORK AND CALL DIG-SAFE AT 1-888-DIG-SAFE PRIOR TO COMMENCING WORK.

SITE GRADING AND BUILDING COORDINATION NOTES:

1. PRIOR TO CONSTRUCTION AND PURCHASE OF ANY BUILDING AND/OR SITE UTILITY MATERIALS THE CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL DRAWINGS TO CONFIRM THE FOLLOWINGS ITEMS:

1.1. BUILDING FLOOR ELEVATIONS.

1.2. EXTERIOR SITE GRADING INTERFACE WITH THE BUILDING FACADE.

1.3. EXTERIOR SITE LANDSCAPING INTERFACE WITH THE BUILDING FACADE.

1.4. CONCRETE SIDEWALK INTERFACE WITH THE BUILDING FACADE

1.5. SEE ARCHITECTURAL DRAWINGS FOR FINAL VERTICAL AND HORIZONTAL LOCATION OF ALL BUILDING UTILITIES 10' FROM THE FOUNDATION INCLUDING BUT NOT LIMITED TO SEWER, WATER, FIRE PROTECTION, GAS, ELECTRIC/COMMUNICATIONS AND FLOOR DRAINS (IF APPLICABLE). VERTICAL AND HORIZONTAL LOCATION OF UTILITIES SERVICES SHOWN TO THE BUILDING ARE FOR PLANING PURPOSES ONLY.

1.6. LOCATION OF ALL BUILDING EGRESSSES AND HANDICAPPED ACCESS.

1.7. EXTERIOR BUILDING LIGHTING.
2. IT IS THE RESPONSIBILITY OF THE ARCHITECT TO COORDINATE SITE GRADING SHOWN ON THE PROPOSED GRADING PLAN, SHEETS **C3** AND **C4**, WITH BUILDINGS EXTERIOR FACADE/FOUNDATION.

SITE PLAN MODIFICATION

201 ELM STREET
SALISBURY, MA

FOR:

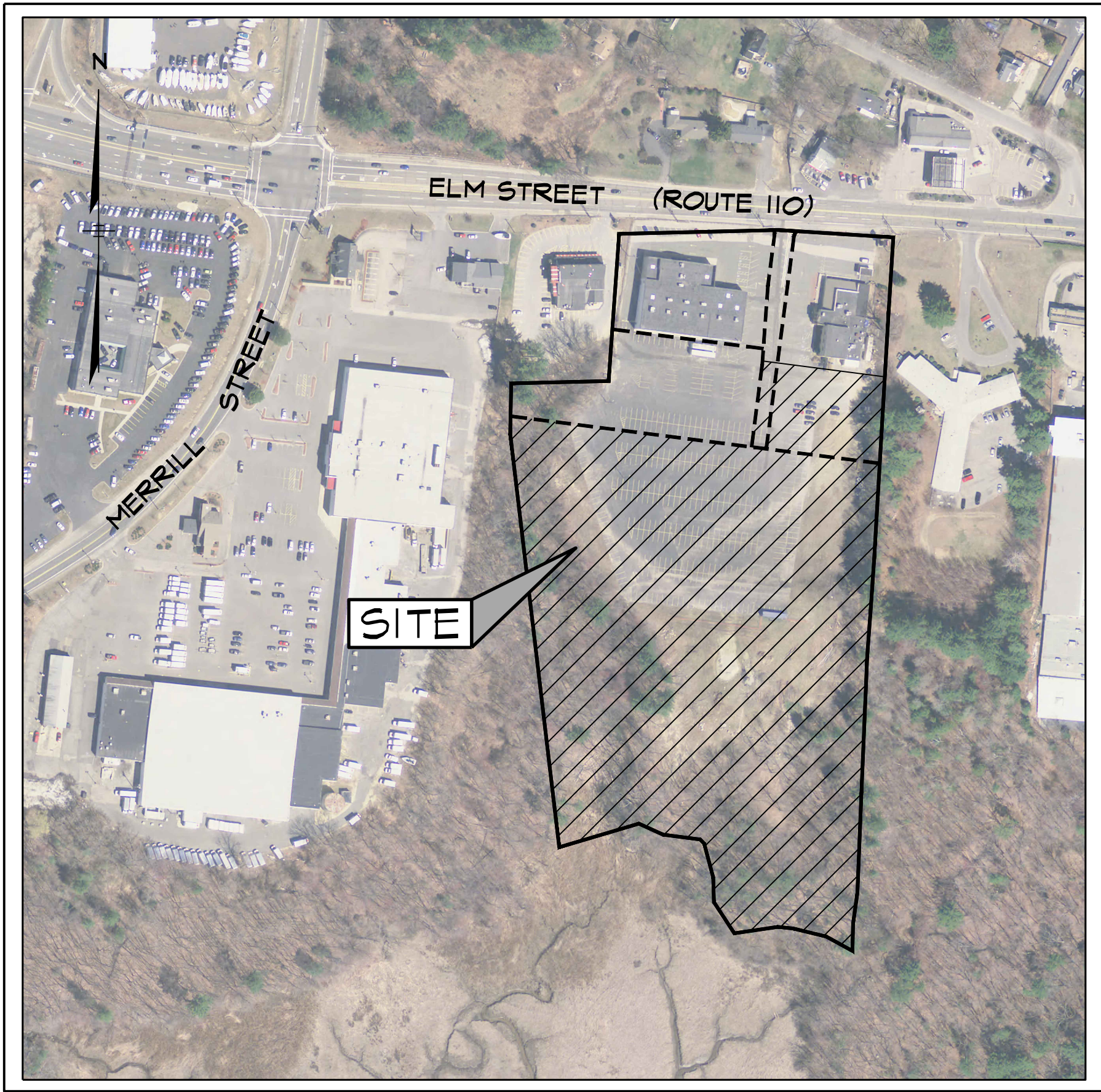
ARAKELIAN FAMILY, LLC

201 ELM STREET
SALISBURY, MA

PREPARED BY:

ASB design group LLC

363 boston street, route 1
topsfield ma 01983
phone 978.887.6161



LOCATION PLAN

SCALE: 1" = 200' ±
SOURCE: MA GIS DIGITAL RASTER GRAPHIC (DRG)

INDEX OF SHEETS

C1	SHEET	1 OF 11	COVER SHEET: INDEX & NOTES
C2	SHEET	2 OF 11	OVERALL SITE LAYOUT PLAN
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C4	SHEET	4 OF 11	SITE PLAN
C5	SHEET	5 OF 11	SITE DETAILS
C6	SHEET	6 OF 11	EROSION CONTROL DETAILS
R1	SHEET	7 OF 11	PROPOSED RENDERINGS (BY GRAPHIC STYLZ)
R2	SHEET	8 OF 11	ORIGINAL SITE PLAN RENDERINGS (2020) (BY GRAPHIC STYLZ)
SEI.1	SHEET	9 OF 11	SITE LIGHTING PLAN (BY ELECTRICAL SYSTEMS ENGINEERING, INC.)
SEI.2	SHEET	10 OF 11	SITE LIGHTING PLAN (BY ELECTRICAL SYSTEMS ENGINEERING, INC.)
SEI.3	SHEET	11 OF 11	SITE LIGHTING PLAN (BY ELECTRICAL SYSTEMS ENGINEERING, INC.)

ZONING DISTRICT: C - COMMERCIAL / C3 - COMMERCIAL			
ZONING CRITERIA		REQUIREMENT	EXISTING / PROPOSED
		C-COMMERCIAL	C3-COMMERCIAL
LOT AREA - MINIMUM		1/2 AC	2 1/2 AC
MINIMUM FRONTAGE		100.0'	150.0'
BUILDING FOOTPRINT		EXISTING CINEMA	19,384 SF
		SYLVAN STREET GRILL	9333 SF
		ATM	204 SF
		STORAGE	55,505 SF
TOTAL BUILDING AREA			84,426 S.F.
PERCENT STRUCTURE COVERAGE		25% MAXIMUM	40% MAXIMUM
			14.1%
FRONT BUILDING SETBACK		50.0' MINIMUM	30' MINIMUM
SIDE BUILDING SETBACK		20' MINIMUM	25' MINIMUM
REAR BUILDING SETBACK		20' MINIMUM	40' MINIMUM
MAXIMUM BUILDING HEIGHT		35' MAXIMUM	35' MAXIMUM
			< 25' (PROPOSED)

PERCENT STRUCTURE COVERAGE:

TOTAL BUILDING AREA = 84,426 S.F. / 43,560 S.F. / AC. = 1.94 AC.
TOTAL PARCEL AREA = 13.71 AC.
PERCENT STRUCTURE COVERAGE = 1.94 AC. / 13.71 AC. = 14.1%

NOTE:

1. FRONT SETBACK - EXISTING CINEMA = 38.8'
2. SIDE SETBACK - EXISTING CINEMA = 36.8'
- SIDE SETBACK - ATM = 34.8'
- SIDE SETBACK - STORAGE UNIT = 36.6'
3. REAR SETBACK - STORAGE UNIT = 305' ±

BENCHMARK

BENCHMARK: NAVD 88 MASSDOT
GEODETIC POINT I.D. 16031

GENERAL UTILITY NOTES

1. PRIOR TO CONSTRUCTION AND THE PURCHASE OF ANY DRAINAGE PIPE, SEWER PIPE, FITTINGS, AND MANHOLES, THE CONTRACTOR SHALL FIELD VERIFY ALL OFF-SITE UTILITY CROSSINGS. THE CONTRACTOR SHALL CONDUCT TEST PITS AND/OR VACUUM EXCAVATION TO CONFIRM VERTICAL AND HORIZONTAL LOCATIONS FOR ALL UTILITY CROSSINGS. REPORT AND DISCREPANCIES TO THE ENGINEER AND THE CITY/TOWN OF XXXX DEPARTMENT. IF REQUIRED FIELD ADJUSTMENTS WILL BE COORDINATED WITH THE CITY/TOWN OF XXXX ENGINEERING DEPARTMENT.

UTILITY ASSUMPTIONS

THE FOLLOWING ASSUMPTIONS WERE MADE BY THE DESIGNER CONCERNING THE VERTICAL LOCATION OF OFF-SITE EXISTING UTILITIES:

1. ALL WATER LINES (TRUNK LINES AND SERVICES) WERE ASSUMED TO BE 5' BELOW THE EXISTING SURFACE TO TOP OF PIPE.
2. ALL GAS PIPES AND GAS SERVICES WERE ASSUMED TO BE 25' BELOW THE EXISTING SURFACE TO TOP OF PIPE.

ZONING DISTRICT

TAX MAP 6 PARCEL 46
C - COMMERCIAL
C3 - COMMERCIAL

REFERENCES

BOOK 54548 PAGE 319 M.S.R.D

OWNER OF RECORD/ APPLICANT:

ARAKELIAN FAMILY, LLC
201 ELM STREET
SALISBURY, MA 01952

PARKING:

RESTAURANT = 29 (2 SPACES HANDICAP)
CINEMA = 464 (4 SPACES HANDICAP)

NOTICE OF INTENT

SEEKAMP ENVIRONMENTAL CONSULTING INC. WILL BE FILING A NOTICE OF INTENT (NOI) TO THE TOWN OF SALISBURY'S CONSERVATION COMMISSION.

ADDITIONAL APPROVALS

1. CONTRACTOR SHALL ALSO REFER TO AND REVIEW THE FOLLOWING ADDITIONAL PLANS AND APPROVALS PRIOR TO CONSTRUCTION:

1.1. TOWN OF SALISBURY CONSERVATION COMMISSION - NOTICE OF INTENT AND ORDER OF CONDITIONS.

WAIVERS:

WAIVERS (SEE WAIVER REQUEST FORM)

1. PLAN REQUIREMENTS C. LOCATION OF: 1. PROPOSED LANDSCAPING PLAN.
2. PLAN REQUIREMENTS G. LUMINAIRE PLAN SHOWING: 1. FOOT CANDLES.

CONSULTANTS
DESIGN TEAM:

CIVIL ENGINEER:
ASB DESIGN GROUP, LLC
363 BOSTON STREET
TOPSFIELD MA 01983
978.887.6161

SURVEYOR:
NORTHPOINT SURVEY SERVICES
P.O. BOX 1226
NEWBURYPORT MA 01950
978.372.0835

WETLANDS
SEEKAMP ENVIRONMENTAL
CONSULTING INC.
124 ROUTE 125
KINGSTON NH 03848
603.642.8500

SITE LIGHTING
ELECTRICAL SYSTEMS
ENGINEERING, INC.
DERRY, NH - AUSTIN, TX
INFO@ESEINC.CO
603.870.9009

ASB

design group, LLC

civil engineering
traffic engineering
architecture
landscape design & construction

363 boston street, route 1
topsfield, ma 01983

Northpoint Survey
Services
Surveyors and Engineers
PO BOX 1226
NEWBURYPORT, MA 01950
(978)-372-0835

project title:

MINI-STORAGE
SYSTEM

prepared for:

ARAKELIAN FAMILY, LLC
201 ELM STREET
SALISBURY, MA 01952

parcel identification:

map: 9
block: N.A.
parcel: 46
lot: N.A.

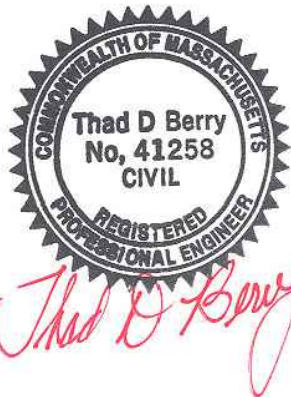
revisions

no.	date	description
0	01.06.23	ISSUED FOR REVIEW

plan submission

SITE PLAN MODIFICATION

date: 07.06.2023
scale: AS NOTED
job no: 2017-09
DEP no: T.B.D.



drawing name

COVER SHEET:
INDEX & NOTES

drawing number

project title:
**MINI-STORAGE
SYSTEM**

prepared for:
ARAKELIAN FAMILY, LLC
201 ELM STREET
SALISBURY, MA 01952

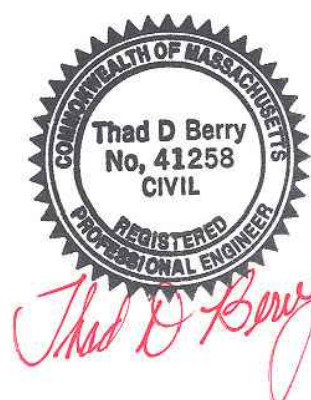
parcel identification:
map: 9
block: N.A.
parcel: 46
lot: N.A.

revisions

no.	date	description
0	07.06.23	ISSUED FOR REVIEW

plan submission
SITE PLAN MODIFICATION

date: 07.06.2023
scale: 1" = 40'
job no: 2017-09
DEP no: T.B.D.



drawing name

**OVERALL SITE
LAYOUT PLAN**

drawing number

C2



MINI-STORAGE SYSTEM

ARAKELIAN FAMILY, LLC
201 ELM STREET
SALISBURY, MA 01952

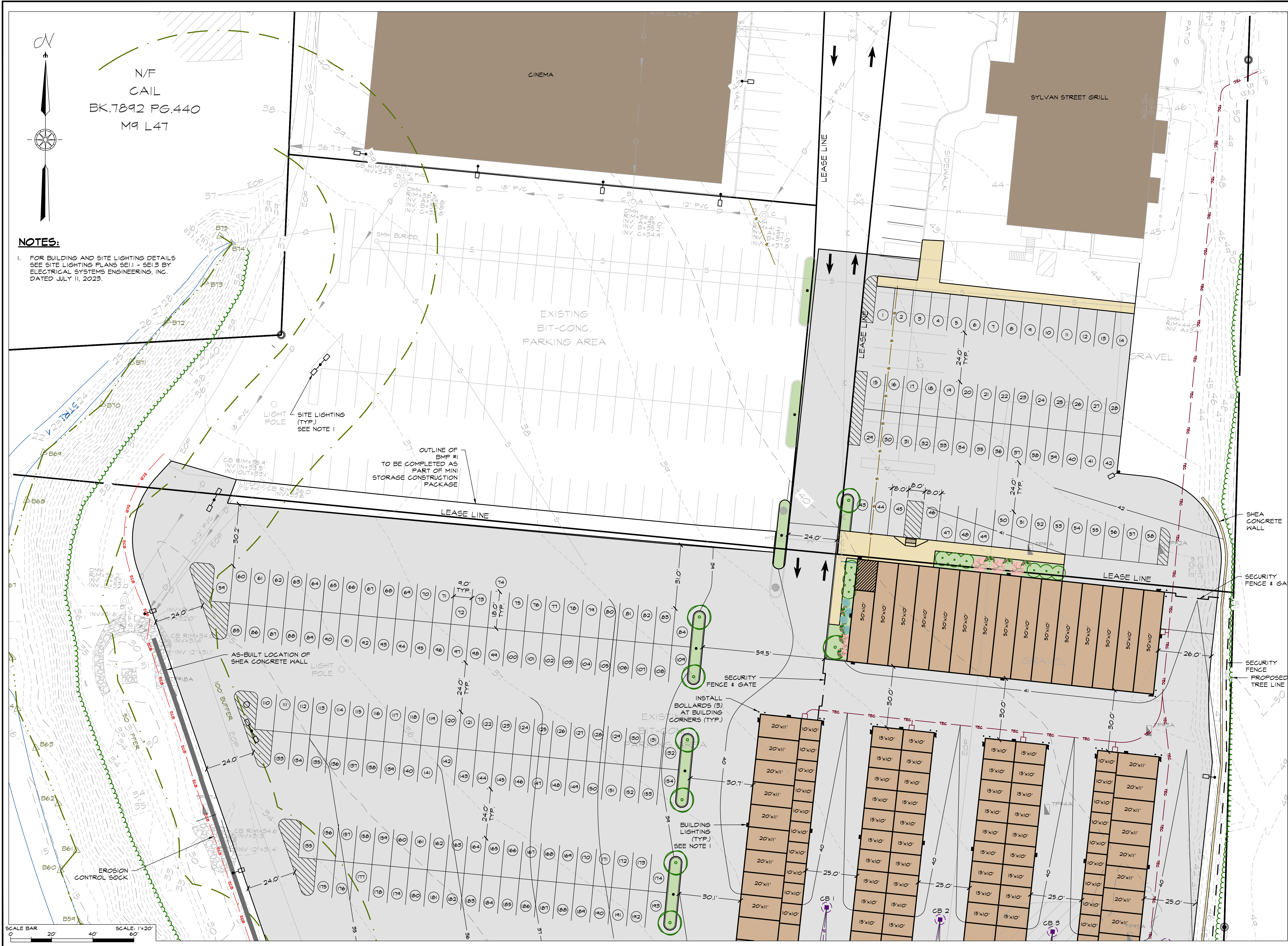
map: 9
block: N.A.
parcel: 46
lot: N.A.

no.	date	description
0	07.06.23	ISSUED FOR REVIEW

SITE PLAN MODIFICATION

SITE PLAN

C3

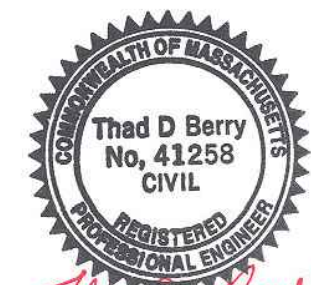


NOTES:

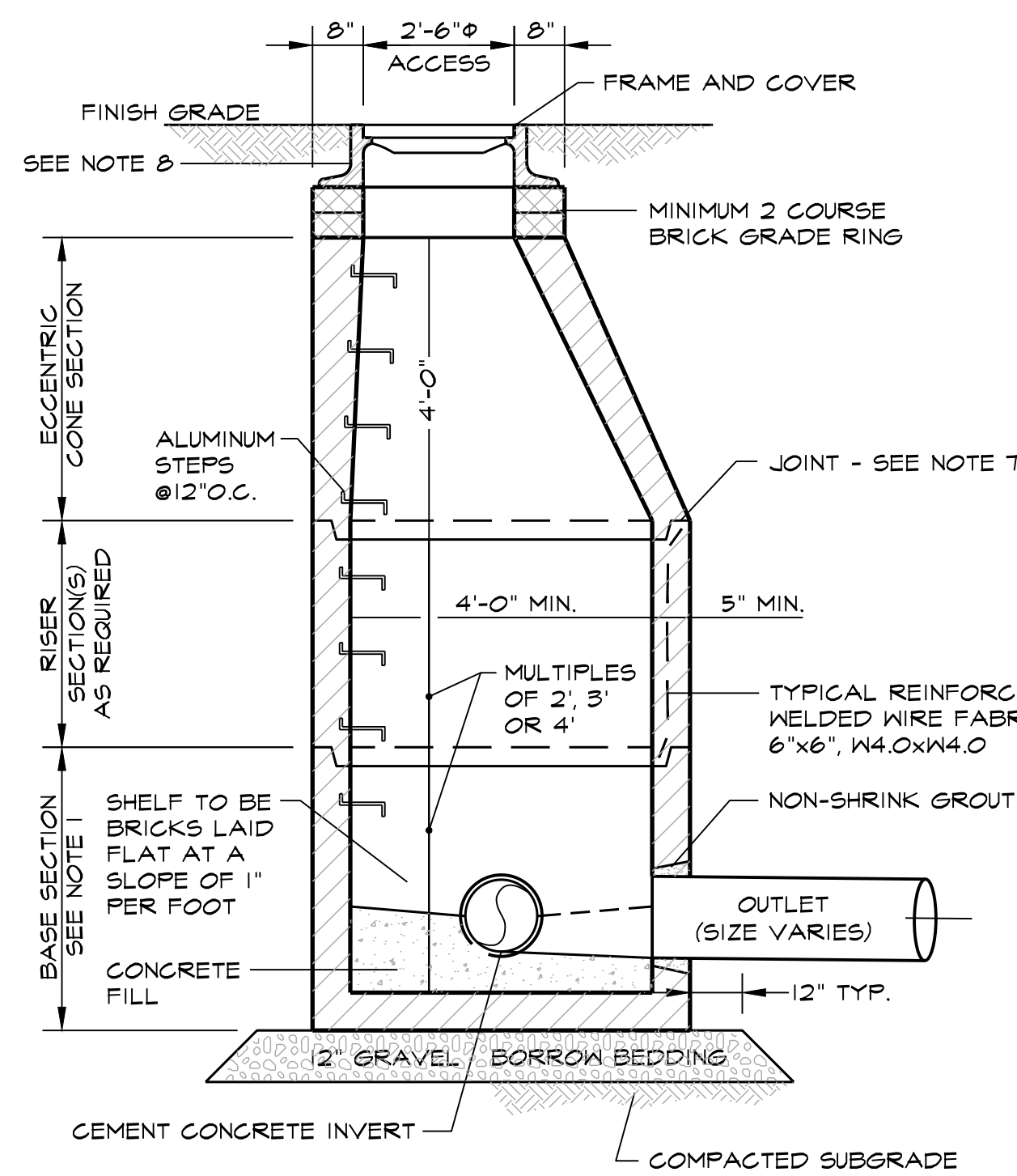
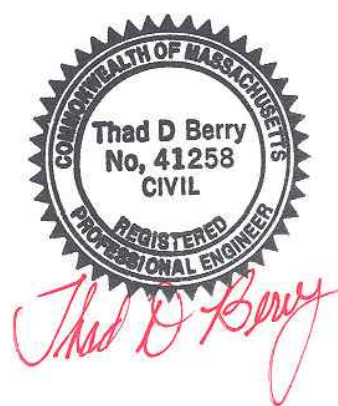
- FOR BUILDING AND SITE LIGHTING DETAILS SEE SITE LIGHTING PLANS SE1.1 - SE1.3 BY ELECTRICAL SYSTEMS ENGINEERING, INC. DATED JULY 11, 2023.

MINI-STORAGE
SYSTEMARAKELIAN FAMILY, LLC
201 ELM STREET
SALISBURY, MA 01952

no.	date	description
0	07.06.23	ISSUED FOR REVIEW



no.	date	description
0	07.06.23	ISSUED FOR REVIEW

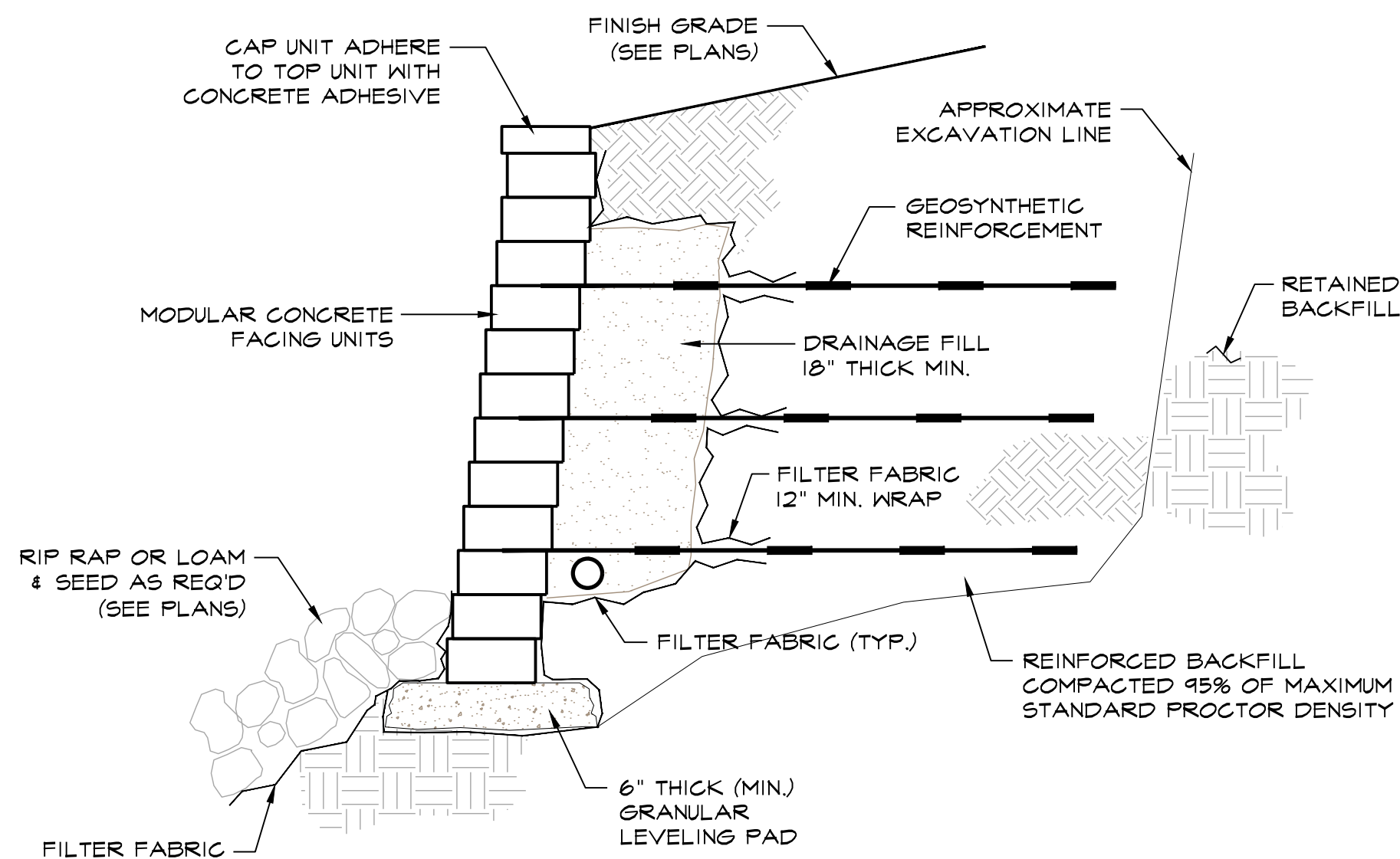


**PRE-CAST
CONCRETE DRAIN MANHOLE**

NOT TO SCALE

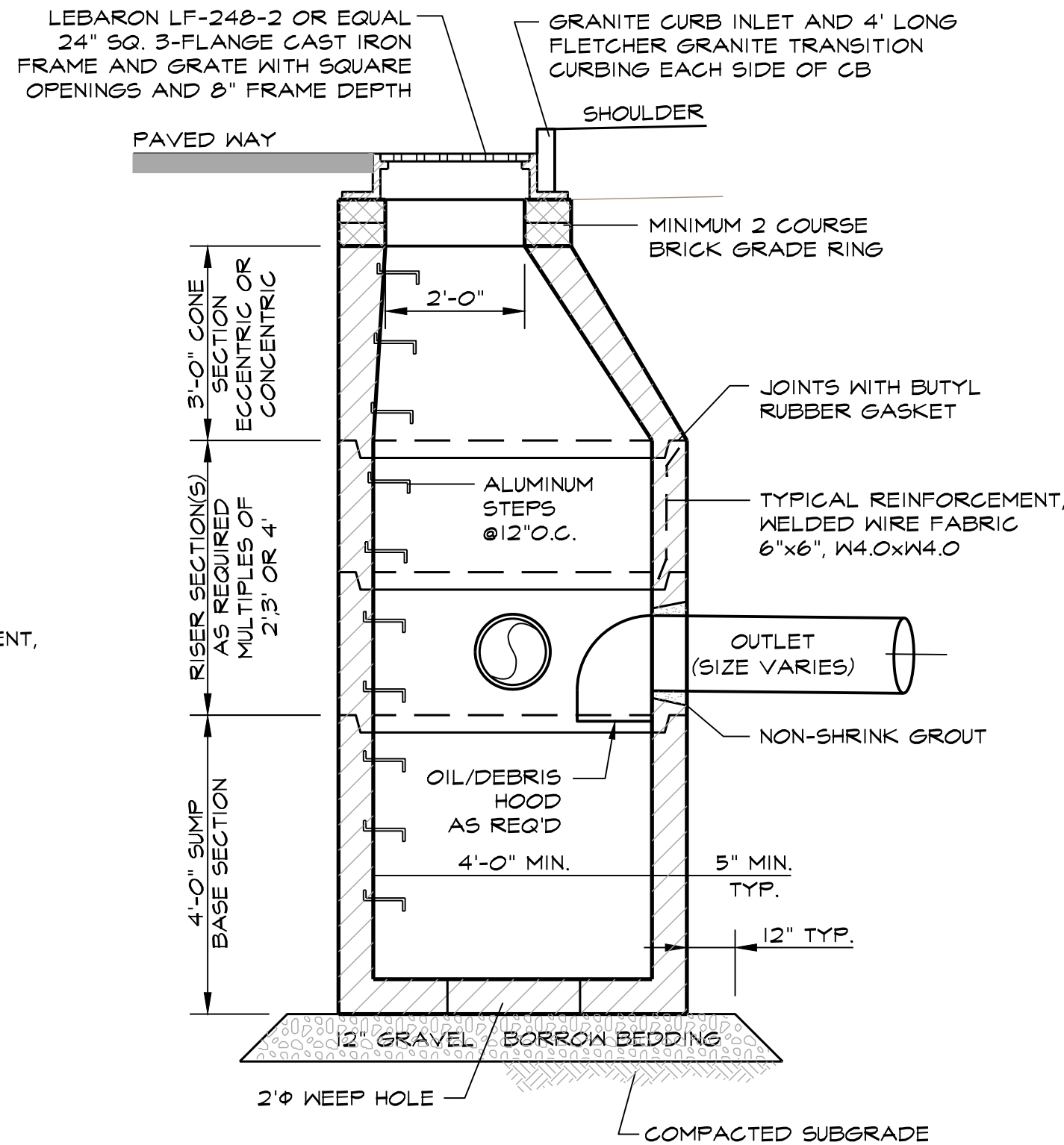
DRAIN MANHOLE NOTES:

- 1) BASE SECTION SHALL BE MONOLITHIC WITH 48-INCH INSIDE DIAMETER.
- 2) ALL SECTIONS SHALL BE DESIGNED FOR HS-20 LOADING.
- 3) CONCRETE SHALL BE COMPRESSIVE STRENGTH 4000psi TYPE II CEMENT.
- 4) PROVIDE "V" KNOCKOUTS FOR PIPES WITH 1" MAX. CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE CONNECTIONS.
- 5) MANHOLE STEPS SHALL BE INSTALLED @12"OC FOR THE FULL DEPTH OF THE STRUCTURE.
- 6) ALL EXTERIOR SURFACES SHALL BE GIVE TWO COATS OF BITUMINOUS WATER-PROOFING MATERIAL.
- 7) JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PERFORMED BUTYL RUBBER.
- 8) STANDARD DRAIN MANHOLE FRAME SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH CLAY BRICK AND MORTAR (2 BRICK COURSES TYPICALLY, 5 COURSE MAXIMUM).
- 9) FRAME AND COVER SHALL BE LABARON LS 328-2 OR ENGINEER APPROVED EQUAL. THE WORD "DRAIN" SHALL BE CAST INTO THE COVER WITH 3-INCH LETTERS.



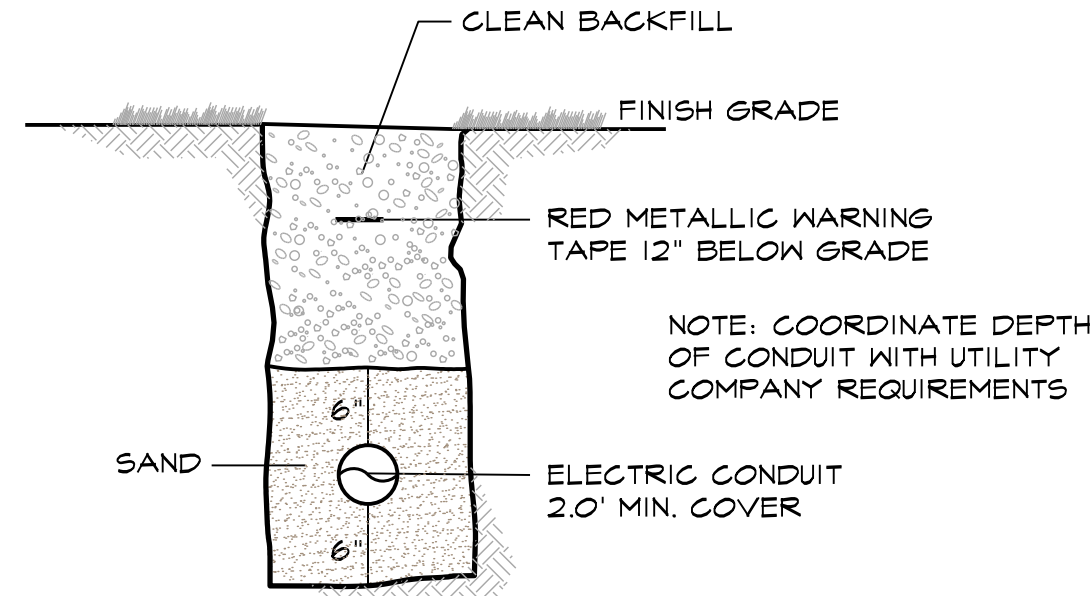
**SHEA MODULAR MASONRY
RETAINING WALL OR EQUAL**

NOT TO SCALE



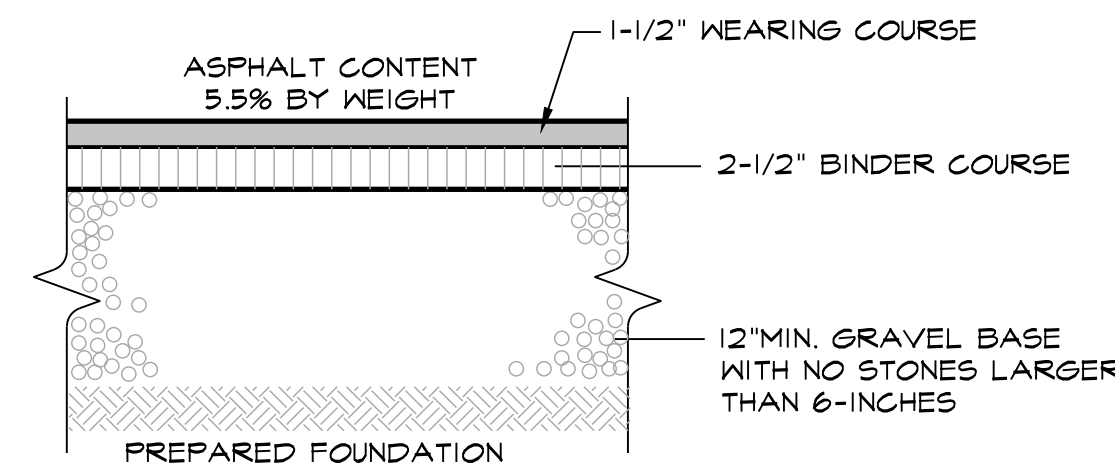
**PRE-CAST
CONCRETE CATCH BASIN**

NOT TO SCALE



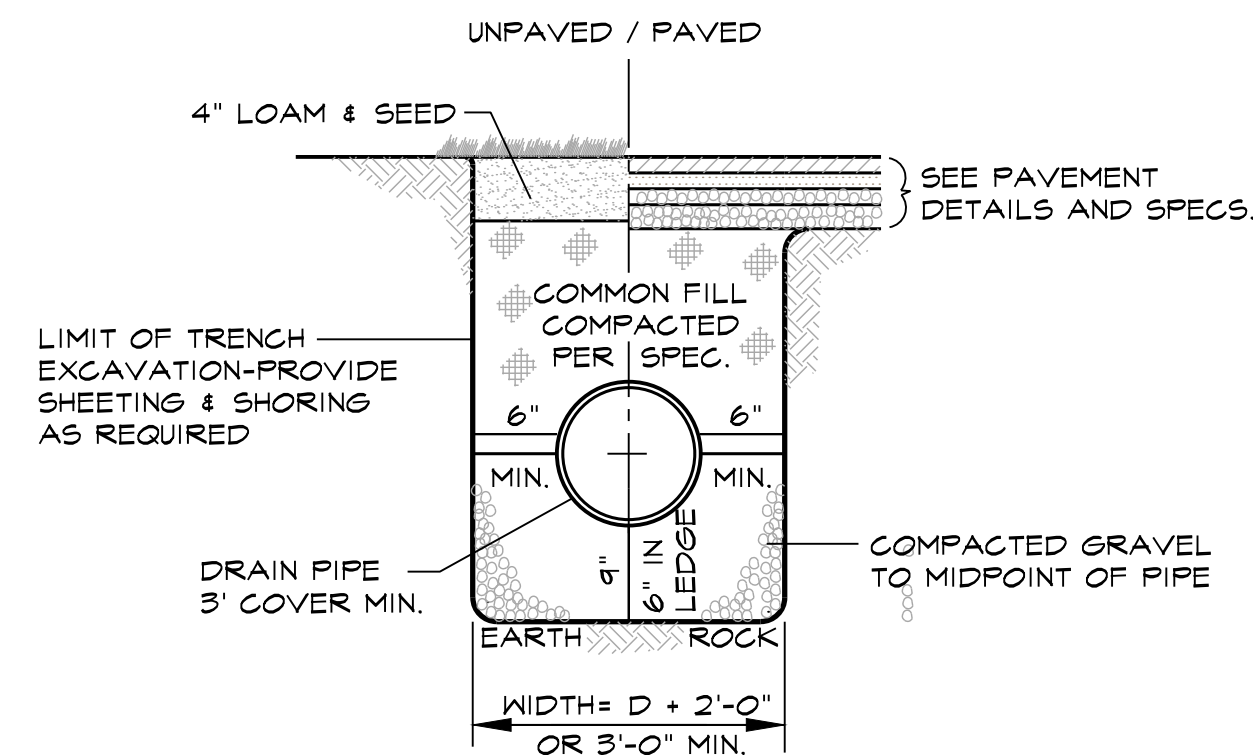
**ELECTRIC
SERVICE TRENCH**

NOT TO SCALE



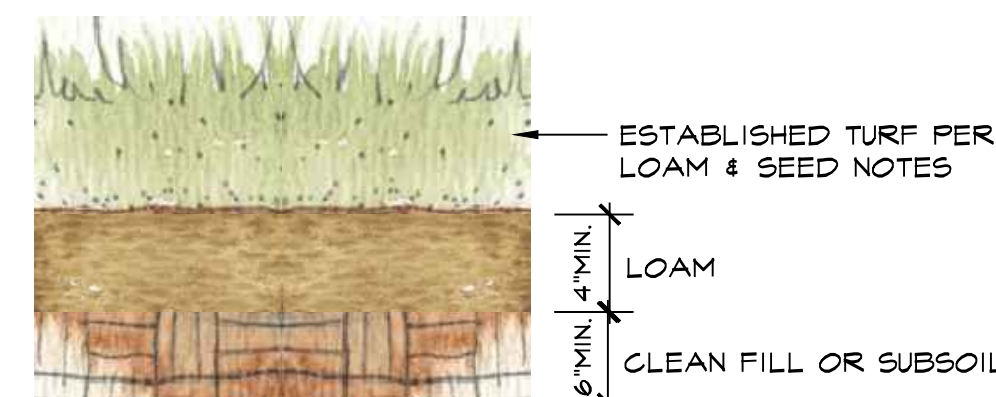
**TYPICAL PARKING LOT
PAVEMENT SECTION**

NOT TO SCALE



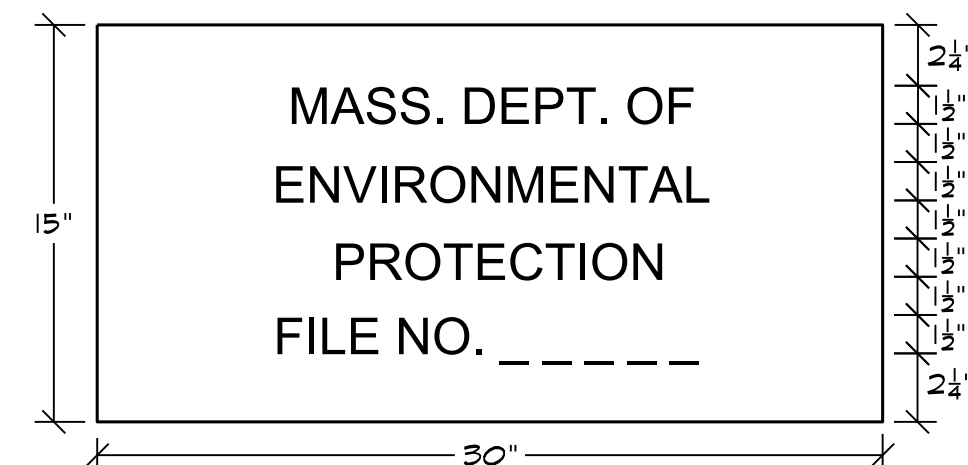
STORM DRAIN TRENCH

NOT TO SCALE



LOAM & SEED DETAIL

NOT TO SCALE

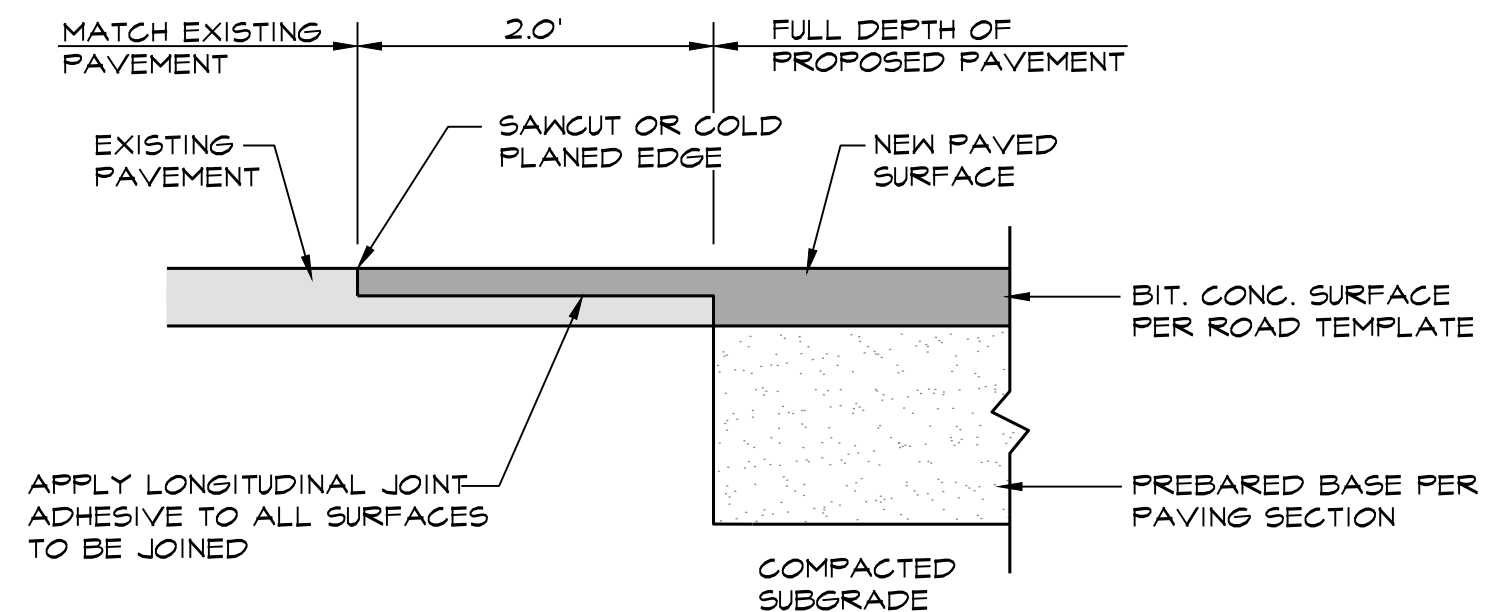


NOTES:

1. COLOR: LETTERING = BLACK, BACKGROUND = WHITE
2. THE SIGN IS TO BE PLACED ON ALL PROJECTS SUBJECT TO THE PROVISIONS OF THE MASSACHUSETTS WETLAND PROTECTION ACT.
3. THE LOCATION OF THE SIGN IS TO BE DETERMINED BY THE ENGINEER.

MASSDEP SIGN DETAIL

NOT TO SCALE



SAW-CUT DETAIL

NOT TO SCALE

NOTES:

- 1) CLEAN AREA OF ANY LOOSE DEBRIS. AREA SHOULD BE FREE OF DUST OR DIRT, AND THOROUGHLY DRIED.
- 2) SAW-CUT AND REMOVE EXISTING PAVEMENT IN A NEAT, STRAIGHT LINE BY COLD PLANING 12" FROM THE EDGE OF THE PREVIOUS SAW-CUT LINE AND WITH A 1" DEPTH.
- 2) A TACK COAT OF EMULSIFIED ASPHALT SHALL BE APPLIED TO THE SAW CUT AREA PRIOR TO PAVING.
3. AFTER LOAM HAS BEEN PLACED, LIME AND FERTILIZER SHALL BE UNIFORMLY MIXED INTO THE TOP FOUR INCHES OF SOIL BY DISCING, HARROWING OR USING OTHER APPROVED METHODS.
4. ANY UNDULATIONS OR IRREGULARITIES IN THE SURFACE RESULTING FROM FERTILIZING, LIMING, SURFACE ROUGHENING OR OTHER CAUSES SHALL BE LEVELED PRIOR TO SEEDING. FLOODED, WASHED-OUT OR OTHERWISE DAMAGED AREAS SHALL BE RECONSTRUCTED AND ALL GRADES RE-ESTABLISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE DRAWINGS AND/ OR OTHER APPLICABLE SPECIFICATIONS.
5. PRIOR TO SEEDING THE SURFACE SHALL BE CLEARED OF ALL TRASH, DEBRIS AND STONES LARGER THAN ONE AND ONE-HALF INCHES IN DIAMETER, AND OF ALL ROOTS, BRUSH, WIRE, GRADE STAKES AND OTHER OBJECTS THAT WOULD INTERFERE WITH PLANTING OR MAINTENANCE OPERATIONS.
6. BROADCAST SEED AND MULCH. PLACE STRAW AND ANCHOR IT TO TOPSOIL. IF SOIL MOISTURE IS DEFICIENT, APPLY NEW SEEDLINGS WITH ADEQUATE WATER FOR PLANT GROWTH (1/2"-1" EVERY 3-4 DAYS DEPENDING ON SOIL TEXTURE) UNTIL THEY ARE FIRMLY ESTABLISHED.

REPAIRS AND MAINTENANCE

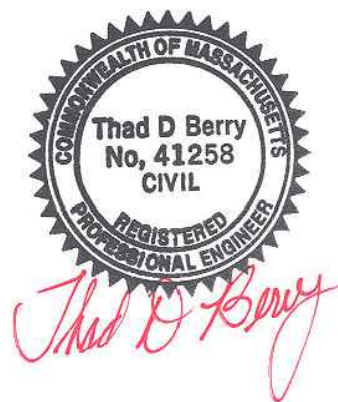
INSPECT ALL SEEDED AREAS FOR FAILURES AND MAKE NECESSARY REPAIRS, REPLACEMENTS AND RESEEDINGS WITHIN THE PLANTING SEASON.

1. ONCE THE VEGETATION IS ESTABLISHED, THE SITE SHALL HAVE 95% GROUND COVER TO BE CONSIDERED ADEQUATELY STABILIZED.
2. IF THE STAND PROVIDES LESS THAN 40% GROUND COVERAGE, REESTABLISH FOLLOWING ORIGINAL LINE. FERTILIZER, SEEDBED PREPARATION AND SEEDING RECOMMENDATIONS.
3. IF THE STAND PROVIDES BETWEEN 40% AND 94% GROUND COVER AGE, OVERSEEDING AND FERTILIZING USING HALF OF THE RATES ORIGINALLY APPLIED MAY BE NECESSARY.

SURFACE PREPARATION

1. STRIP AND STOCKPILE ALL EXISTING LOAM FROM PROPOSED WORK AREAS. PROTECT LOAM FROM EROSION. ALL LOAM WILL REMAIN ON SITE UNLESS THE OWNER APPROVES OFF SITE REMOVAL.
2. SET FIELD GRADES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. PROVIDE PROPER SURVEY CONTROL AND MAINTAIN THROUGHOUT CONSTRUCTION. PROVIDE ENGINEER WITH COPIES OF ALL SURVEY NOTES AND LOCATIONS OF BOTH VERTICAL AND HORIZONTAL CONTROL.
3. BRING BASE MATERIAL TO FINISH GRADE. PROVIDE ENGINEER WITH AS-BUILT DRAWINGS SHOWING FINISH ELEVATIONS AND CONTOURS PRIOR TO PLACEMENT OF LOAM.
4. SOIL TESTS SHALL BE MADE TO DETERMINE THE EXACT REQUIREMENTS FOR BOTH LIME AND FERTILIZER. SOIL TESTS SHALL BE CONDUCTED BY A STATE LABORATORY OR RECOGNIZED COMMERCIAL LABORATORY. PROVIDE ENGINEER WITH COPY OF TEST RESULTS AND RECOMMENDATIONS FOR LIMING AND FERTILIZING.
5. AFTER THE AREAS TO BE TOPSOILED HAVE BEEN APPROVED BY THE OWNER OR ENGINEER, AND IMMEDIATELY PRIOR TO DUMPING AND SPREADING THE TOPSOIL, THE SUBGRADE SHALL BE LOOSENED BY ROUGHENING TO THE DEPTH OF AT LEAST TWO INCHES TO PERMIT BONDING OF THE TOPSOIL TO THE SUBSOIL AND TO INCORPORATE THE LIME.
6. ACCEPTANCE SHALL BE GIVEN BY THE OWNER OR ENGINEER UPON SATISFACTORY COMPLETION OF EACH SECTION OR AREA AS INDICATED ON THE DRAWINGS OR AS OTHERWISE SPECIFIED BEFORE PLACEMENT OF TOPSOIL.

no.	date	description
0	07.06.23	ISSUED FOR REVIEW



EROSION CONTROL NOTES

EROSION CONTROL PRINCIPLES

A. THE FOLLOWING EROSION CONTROL PRINCIPLES SHALL APPLY TO THE LAND GRADING AND CONSTRUCTION PHASES:

- 1) STRIPPING OF VEGETATION, GRADING, OR OTHER SOIL DISTURBANCE SHALL BE DONE IN A MANNER WHICH WILL MINIMIZE SOIL EROSION.
- 2) WHENEVER FEASIBLE, NATURAL VEGETATION SHALL BE RETAINED AND PROTECTED.
- 3) EXTENT OF AREA WHICH IS EXPOSED AND FREE OF VEGETATION AND DURATION OF ITS EXPOSURE SHALL BE KEPT WITHIN PRACTICAL LIMITS.
- 4) TEMPORARY SEEDING, MULCHING, OR OTHER SUITABLE STABILIZATION MEASURES SHALL BE USED TO PROTECT EXPOSED CRITICAL AREAS DURING PROLONGED CONSTRUCTION OR OTHER LAND DISTURBANCE.
- 5) DRAINAGE PROVISIONS SHALL ACCOMMODATE INCREASED RUNOFF RESULTING FROM MODIFICATIONS OF SOIL AND SURFACE CONDITIONS DURING AND AFTER DEVELOPMENT OR DISTURBANCE. SUCH PROVISIONS SHALL BE IN ADDITION TO EXISTING REQUIREMENTS.
- 6) SEDIMENT SHALL BE RETAINED ON-SITE.
- 7) EROSION CONTROL DEVICES SHALL BE INSTALLED AS EARLY AS POSSIBLE IN THE CONSTRUCTION SEQUENCE PRIOR TO START OF CLEARING AND GRUBBING OPERATIONS AND EXCAVATION WORK.

B. CUT AND FILL SLOPES AND STOCKPILED MATERIALS SHALL BE PROTECTED TO PREVENT EROSION. SLOPES SHALL BE PROTECTED WITH PERMANENT EROSION PROTECTION WHEN EROSION EXPOSURE PERIOD IS GREATER THAN OR EQUAL TO SIX MONTHS, AND TEMPORARY EROSION PROTECTION WHEN EROSION EXPOSURE PERIOD IS EXPECTED TO BE LESS THAN SIX MONTHS (SEE NOTE 10).

- 1) PERMANENT EROSION PROTECTION SHALL BE ACCOMPLISHED BY SEEDING WITH GRASS AND COVERING WITH AN EROSION PROTECTION MATERIAL, AS APPROPRIATE FOR PREVAILING CONDITIONS.
- 2) EXCEPT WHERE SPECIFIED SLOPE IS INDICATED ON DRAWINGS, FILL SLOPES SHALL BE LIMITED TO A GRADE OF 3:1 (HORIZONTAL:VERTICAL) AND CUT SLOPES SHALL BE LIMITED TO A GRADE OF 3:1.

HAY BALES DIKE

BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4-INCHES. BALES SHALL BE SECURELY ANCHORED IN PLACE BY STAKES OR REBAR DRIVEN THROUGH THE BALES. THE FIRST STAKE IN EACH BALE SHALL BE ANGLED TOWARD THE PREVIOUSLY LAID BALE TO FORCE THE BALES TOGETHER.

MAINTENANCE AND REMOVAL OF CONTROL DEVICES

A. WETLAND AREAS, WATER COURSES, AND DRAINAGE SWALES ADJACENT TO CONSTRUCTION ACTIVITIES SHALL BE MONITORED TWICE EACH MONTH FOR EVIDENCE OF SILT INTRUSION AND OTHER ADVERSE ENVIRONMENTAL IMPACTS, WHICH SHALL BE CORRECTED IMMEDIATELY UPON DISCOVERY.

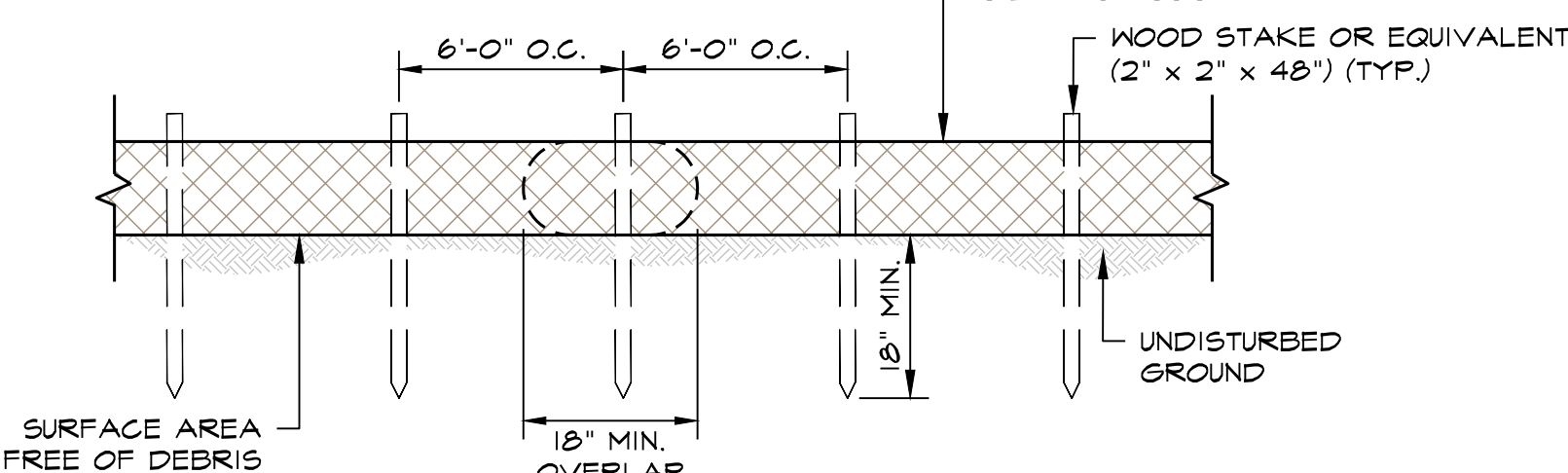
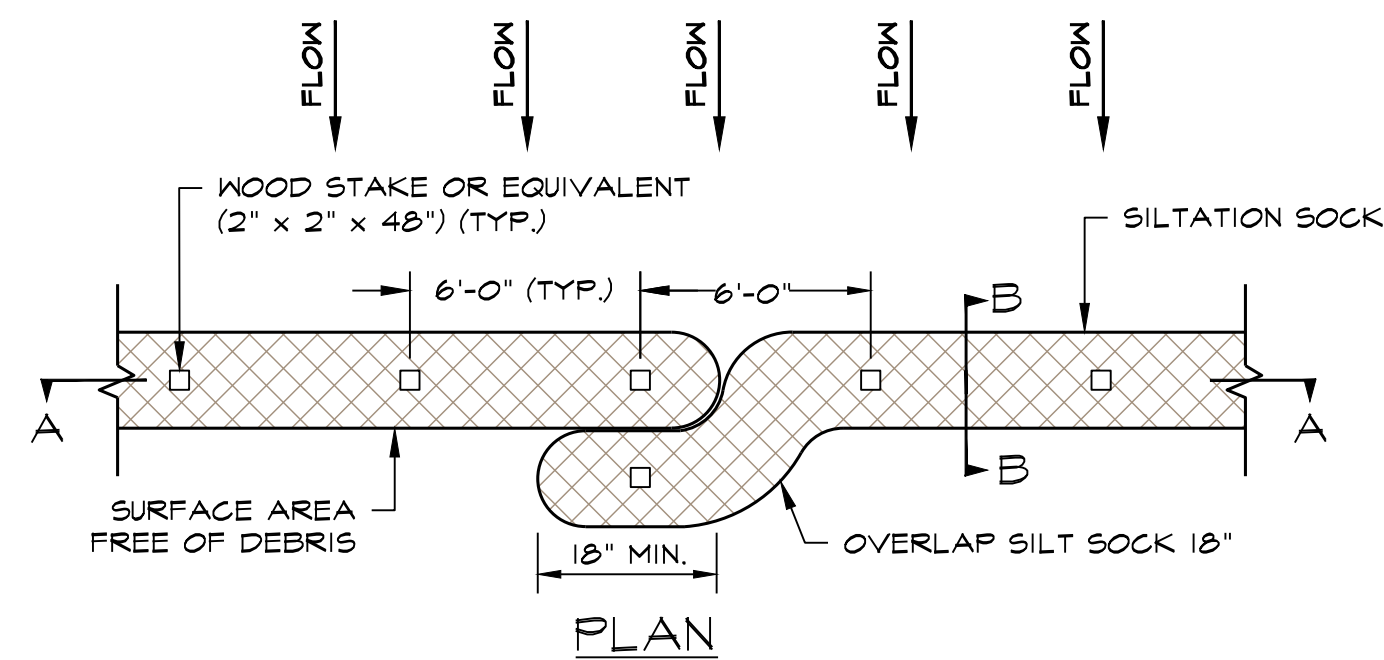
B. CULVERTS AND DRAINAGE DITCHES SHALL BE KEPT CLEAN AND CLEAR OF OBSTRUCTIONS DURING CONSTRUCTION PERIOD.

C. EROSION CONTROL DEVICES:

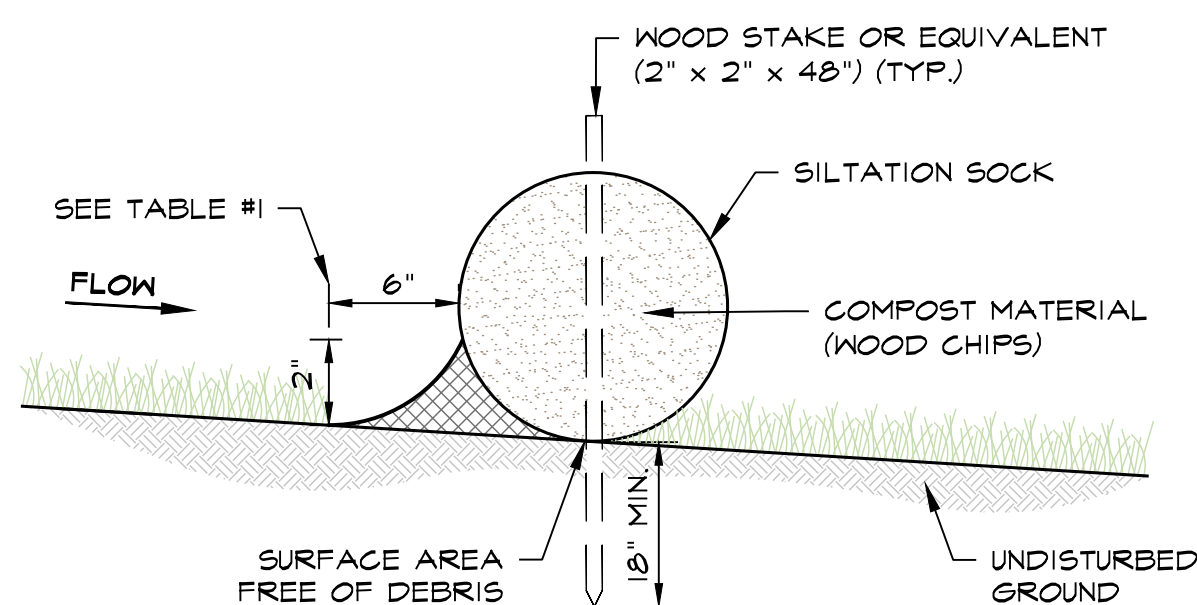
- 1) SEDIMENT BEHIND THE EROSION CONTROL DEVICE SHALL BE CHECKED TWICE EACH MONTH AND AFTER EACH HEAVY RAIN. SILT SHALL BE REMOVED IF GREATER THAN 6-INCHES DEEP.
- 2) CONDITION OF EROSION CONTROL DEVICE SHALL BE CHECKED TWICE EACH MONTH OR MORE FREQUENTLY AS REQUIRED. DAMAGED AND/OR DETERIORATED ITEMS SHALL BE REPLACED. EROSION CONTROL DEVICES SHALL BE MAINTAINED IN-PLACE AND IN EFFECTIVE CONDITION.
- 3) HAY BALES SHALL BE INSPECTED FREQUENTLY AND MAINTAINED OR REPLACED AS REQUIRED TO MAINTAIN BOTH EFFECTIVENESS AND INSTALLED CONDITION. UNDERSIDE OF BALES SHALL BE KEPT IN CLOSE CONTACT WITH THE EARTH BELOW AT ALL TIMES, AS REQUIRED TO PREVENT WATER FROM WASHING BENEATH BALES.
- 4) SEDIMENT SHALL BE REMOVED FROM THE RETENTION PONDS AT THE COMPLETION OF THE PROJECT AND PERIODICALLY DURING CONSTRUCTION. SEDIMENT DEPOSITS SHALL BE REMOVED WHEN SEDIMENT HAS ACCUMULATED TO A DEPTH OF 6 INCHES, OR AS DIRECTED.
- 5) SEDIMENT DEPOSITS SHALL BE DISPOSED OF OFF-SITE, IN A LOCATION AND MANNER WHICH WILL NOT CAUSE SEDIMENT NUISANCE ELSEWHERE.

D. REMOVAL OF EROSION CONTROL DEVICES:

- 1) EROSION CONTROL DEVICES SHALL BE MAINTAINED UNTIL ALL DISTURBED EARTH HAS BEEN PAVED OR VEGETATED, AT WHICH TIME THEY SHALL BE REMOVED. AFTER REMOVAL, AREAS DISTURBED BY THESE DEVICES SHALL BE RE-GRADED AND SEEDED.
- 2) EROSION CONTROL NETTING SHALL BE KEPT SECURELY ANCHORED UNTIL START OF PERMANENT TURF CONSTRUCTION.
- 3) EROSION PROTECTION MATERIAL SHALL BE KEPT SECURELY ANCHORED UNTIL ACCEPTANCE OF COMPLETED SLOPE OR ENTIRE PROJECT, WHICHEVER IS LATER.



SECTION A-A



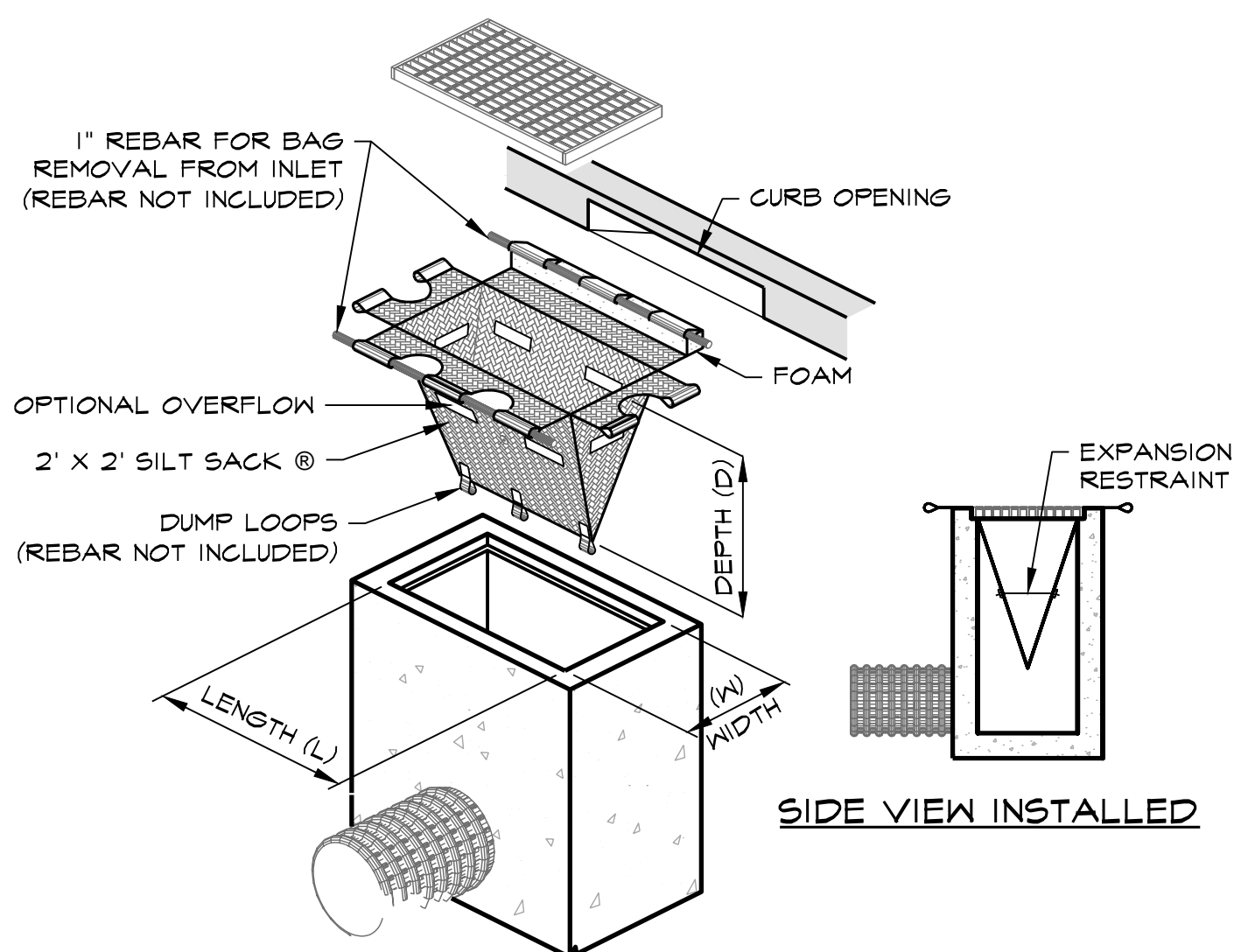
SECTION B-B

SILT SOCK DETAIL
NOT TO SCALE

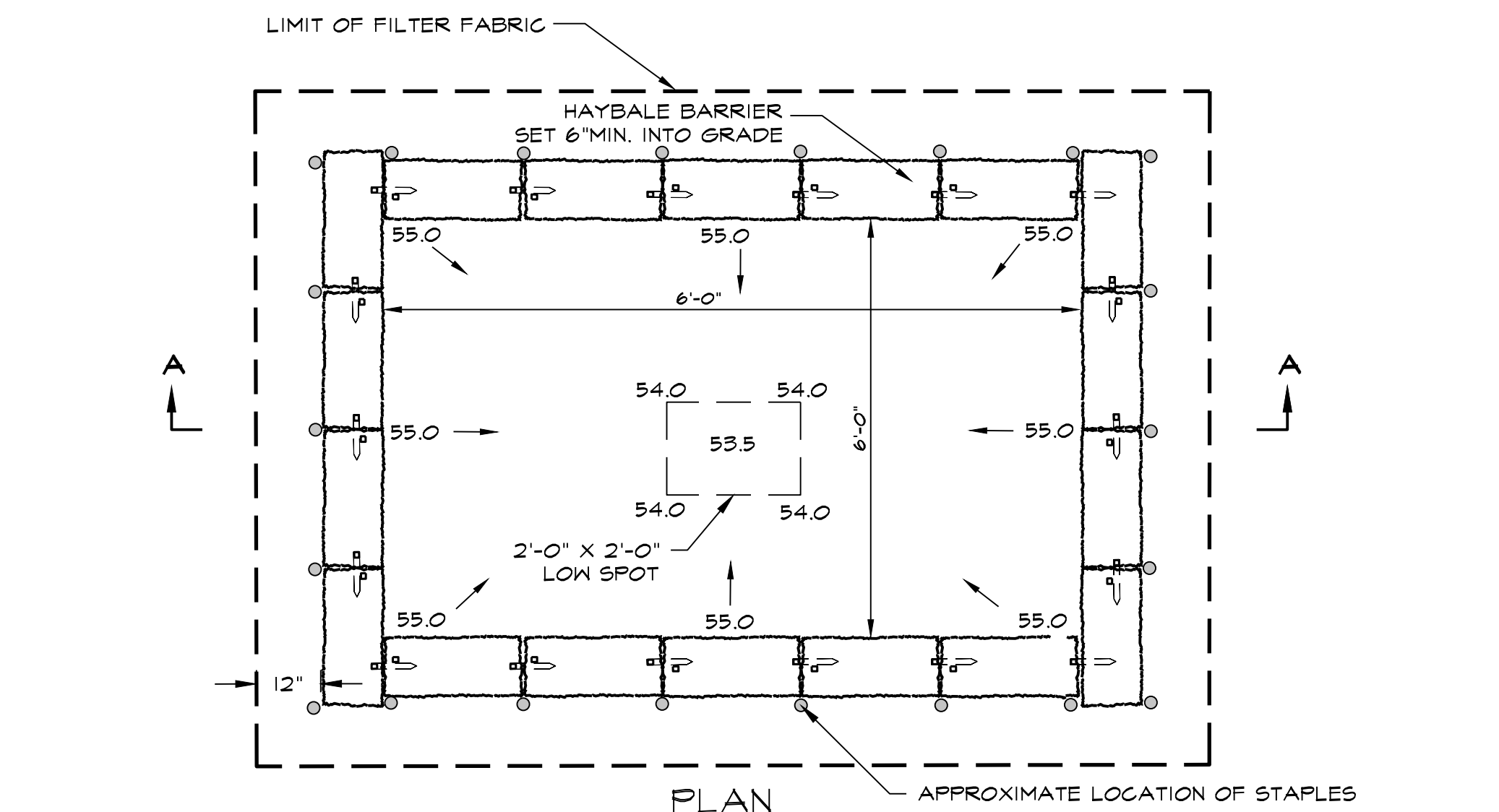
INSTALLATION NOTES:

1. INSTALL SILT SOCK ON A SURFACE CLEAR OF DEBRIS.
2. OVERLAP ENDS BY A MINIMUM OF 18-INCHES.
3. END OF SILT SOCK TO BE DIRECTED UP SLOPE.
4. PLACE STAKES THROUGH SILT SOCK OR ON DOWNSTREAM SIDE.
5. ON SLOPES GREATER THAN 2:1 (>2:1) SEED COMPOST SOCK IS RECOMMENDED.

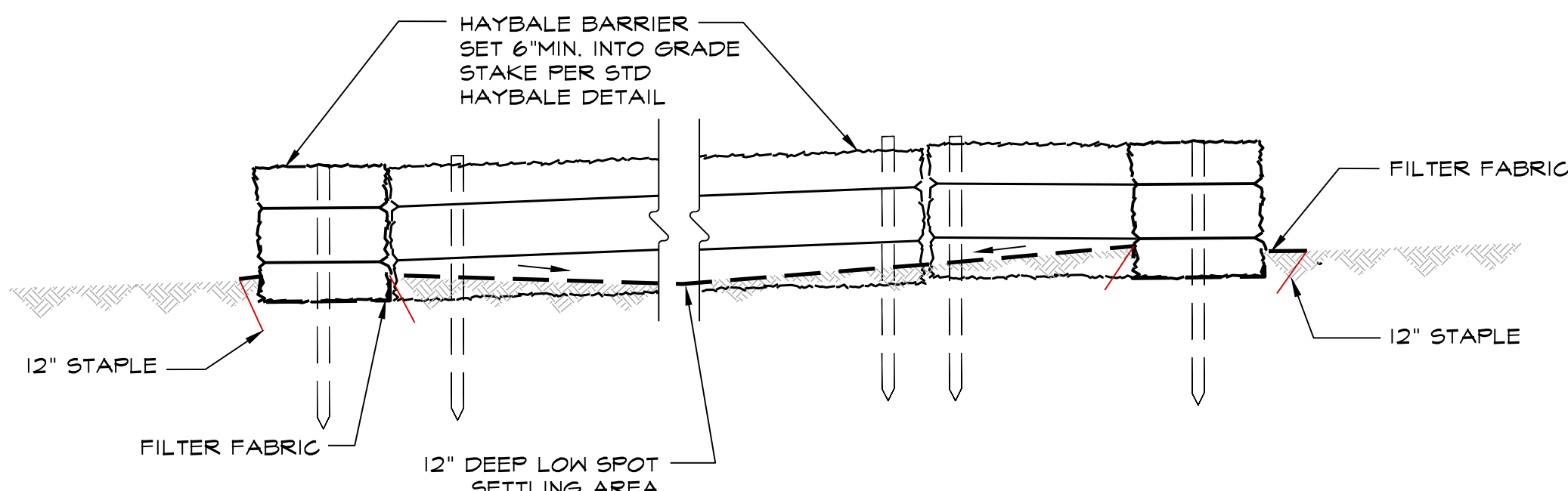
TABLE #1			
SLOPE	SOCK DIAMETER (MIN.)	STAKING	2" COMPOST BARRIER (WOOD CHIPS)
< 50:1	9"	6' O.C.	---
50:1 TO 10:1	9"	6' O.C.	RECOMMENDED
10:1 TO 5:1	12"	6' O.C.	---
3:1 TO 2:1	12"	4' O.C.	---
> 2:1	18"	4' O.C.	---



SILT BAG
INLET PROTECTION
NOT TO SCALE



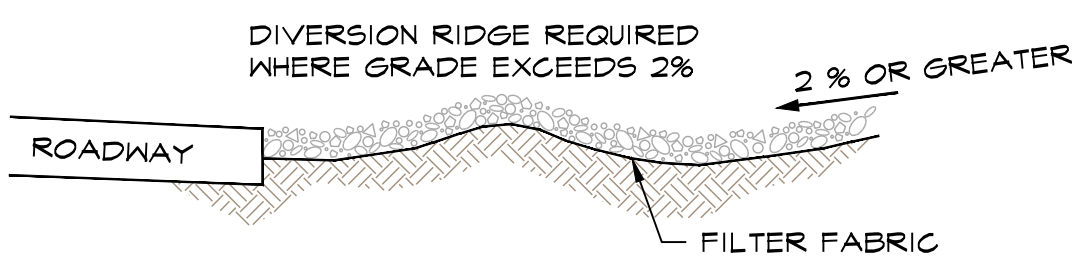
PLAN



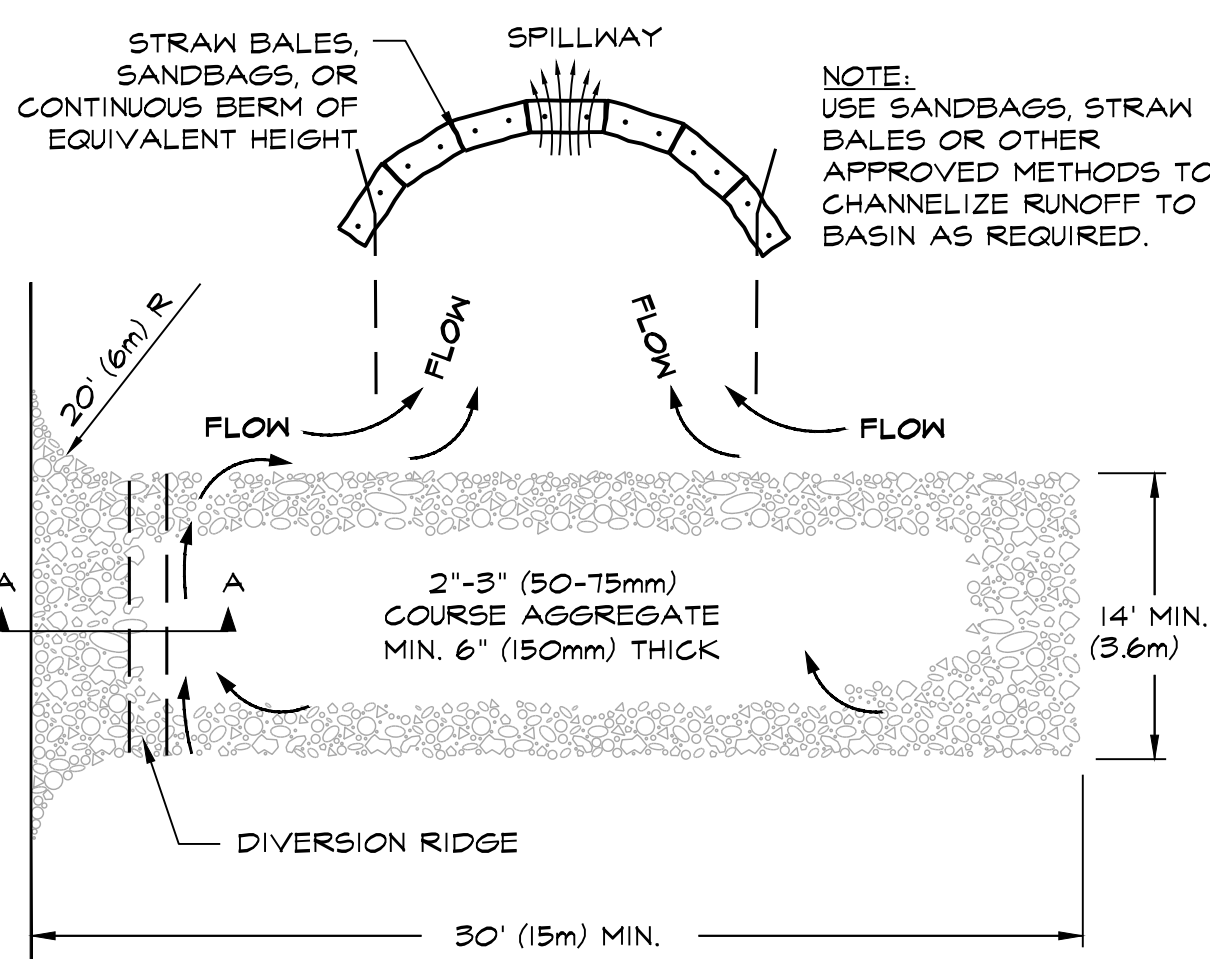
SECTION A-A

CONCRETE WASH OUT
BASIN
NOT TO SCALE

ALL CONCRETE WASTE TO BE REMOVED AND DISPOSED OF OFF SITE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL RULES AND REGULATIONS



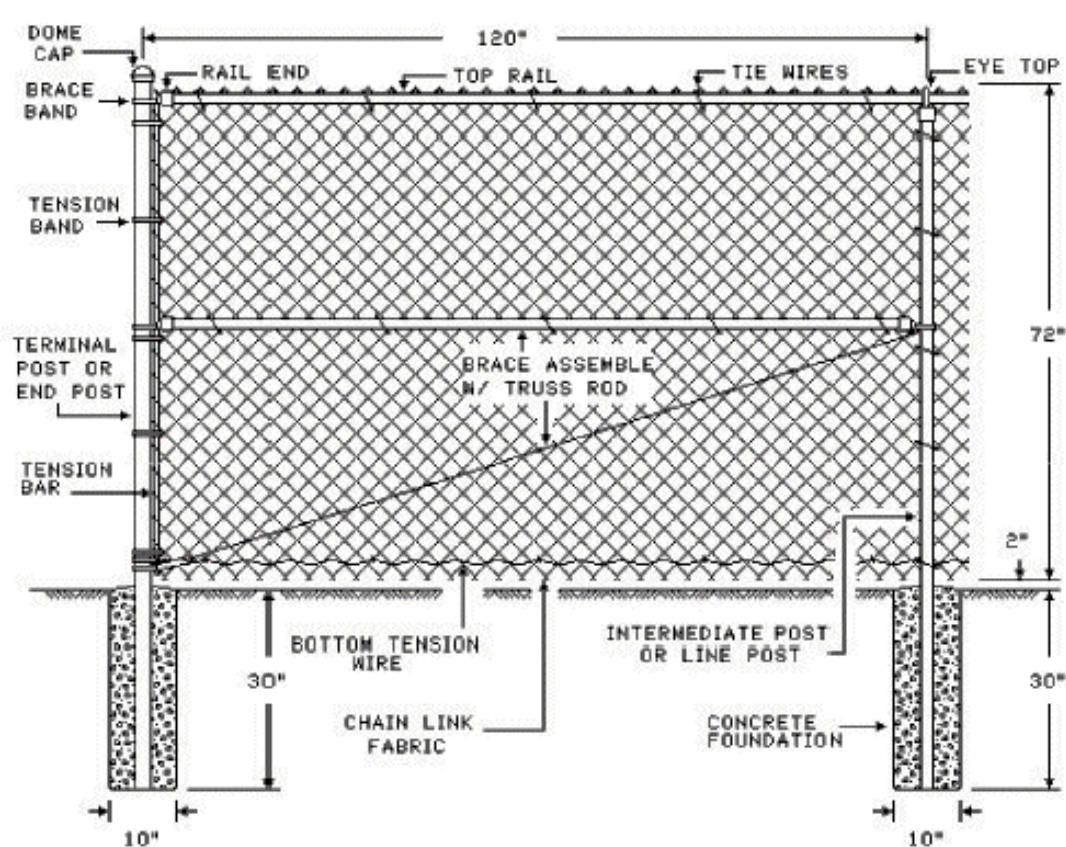
SECTION A - A



PLAN

- NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
 3. ADJACENT STREETS SHALL BE SWEEPED.

TEMPORARY
CONSTRUCTION ENTRANCE
NOT TO SCALE



CHAIN LINK FENCE DETAIL

NOTE TO SCALE