

LOCUS MAP  
not to scale

PLAN NO. 879  
OF 1994

N/F  
COOKE  
PARCEL 320-021  
DB 11508 PG 376  
4 RACHAEL CIRCLE

N/F  
HARDING & MURPHY  
PARCEL 320-022  
DB 10636 PG 581  
6 RACHAEL CIRCLE

N/F  
SMITH  
PARCEL 320-023  
DB 10681 PG 633  
8 RACHAEL CIRCLE

N/F  
PISANI  
PARCEL 320-024  
DB 15863 PG 178  
10 RACHAEL CIRCLE



**LEGEND**

|      |                          |
|------|--------------------------|
| B    | BOLLARD                  |
| BIT. | BITUMINOUS               |
| CLF  | CHAIN LINK FENCE         |
| -D-  | UNDERGROUND DRAIN LINE   |
| DB   | DEED BOOK                |
| DMH  | DRAIN MANHOLE            |
| ELEV | ELEVATION                |
| EOP  | EDGE OF PAVEMENT         |
| FES  | FLARED END SECTION       |
| FFE  | FINISHED FLOOR ELEVATION |
| HYD  | FIRE HYDRANT             |
| INV  | INVERT                   |
| N/F  | NOW OR FORMERLY          |
| RBF  | REBAR FOUND              |
| -S-  | UNDERGROUND SEWER LINE   |
| SMH  | SEWER MANHOLE            |
| PG   | PAGE                     |
| RCP  | REINFORCED CONCRETE PIPE |
| -W-  | UNDERGROUND WATER LINE   |
| WG   | WATER GATE               |

**ZONING DISTRICT**

INDUSTRIAL

**MINIMUM BUILDING SETBACKS**

FRONT=40 FEET  
SIDE=30 FEET\*  
REAR=30 FEET\*

\* INCREASE BY THE COMMON BUILDING HEIGHT OF THE STRUCTURE WHEN ABUTTING A RESIDENTIAL USE.

**DEED REFERENCES**

ATLANTIC OLIVER 15 LIBERTY WAY, LLC  
DEED BOOK 39279 PAGE 278

**PLAN REFERENCES**

PLAN NO. 879 OF 1994  
PLAN NO. 878 OF 1994  
PLAN NO. 47 OF 1995

**NOTES**

- THIS SURVEY AND PLAN ARE BASED UPON AN ACTUAL ON THE GROUND INSTRUMENT SURVEY PERFORMED BETWEEN NOVEMBER 2, 2022 AND AUGUST 2, 2023.
- LEGAL STATUS OF THE STREETS AND/OR WAYS SHOWN HEREON, WHETHER THEY ARE PUBLIC OR PRIVATE, WERE NOT MADE PART OF THIS SURVEY.
- ALL FLOWERING PLANTS, SHRUBS, OR TREES MAY NOT BE SHOWN WITHIN LANDSCAPING AREAS. IT IS MEANT FOR ILLUSTRATIVE PURPOSES ONLY AND NOT MEANT AS A COMPLETE INVENTORY OF ALL VEGETATION THAT MAY EXIST. SIZES REFLECT APPROXIMATE TRUNK DIAMETER AT BREAST HEIGHT OR APPROXIMATE DIAMETER OF SHRUB WIDTH.
- THE LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE ONLY, AND ARE NOT WARRANTED TO BE CORRECT. UNDERGROUND UTILITIES ARE SHOWN BASED ON EITHER RECORD DATA PROVIDED BY THE OPERATING AUTHORITIES, VISUAL INSPECTION OF AVAILABLE ABOVEGROUND STRUCTURES, PHYSICAL SURFACE MARKINGS FOUND, OR DATA PROVIDED BY OTHERS. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT INDICATED ON THESE PLANS. ALL EXISTING UTILITIES SHALL BE VERIFIED FOR SERVICE, SIZE, INVERT ELEVATION, LOCATIONS, ETC. PRIOR TO NEW CONNECTIONS TO OR RELOCATION OF SAME. CONTRACTOR MUST NOTIFY DIG-SAFE AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO ANY CONSTRUCTION. NOTIFY THIS FIRM IN WRITING OF ANY AND ALL DISCREPANCIES PRIOR TO COMMENCING ANY WORK.
- THE SUBJECT PROPERTY DOES NOT FALL IN A SPECIAL FLOOD HAZARD ZONE AS THE SUBJECT PROPERTY IS PLOTTED BY SCALE ON THE FLOOD INSURANCE RATE MAP FOUND AS:  
COUNTY NORFOLK  
COMMUNITY TOWN OF FRANKLIN  
PANEL 250240 0317E  
EFFECTIVE DATE JULY 17, 2012  
ZONE "X"
- THE SUBJECT PROPERTY DOES NOT FALL IN THE TOWN OF FRANKLIN'S WATER RESOURCE PROTECTION DISTRICT.

**DATUM NOTES**

HORIZONTAL DATUM:  
MASSACHUSETTS STATE PLANE - MAINLAND ZONE NAD83 (2011) EPOCH 2010.00 - US FEET

VERTICAL DATUM:  
NORTH AMERICAN VERTICAL DATUM OF 1988 (GEOID 12B) - US FEET

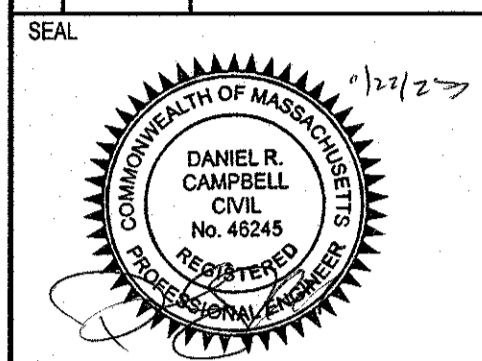
ON-THE-GROUND OBSERVATIONS WERE PERFORMED USING A LEICA TS13 (3") ROBOTIC TOTAL STATION AND WITH A SOKKIA GCX3 GPS RECEIVER USING THE MASSACHUSETTS CONTINUOUSLY OPERATING REFERENCE STATION (MCoRS) RTK NETWORK.

I CERTIFY THAT THIS SURVEY AND PLAN WERE PREPARED IN ACCORDANCE WITH THE PROCEDURAL AND TECHNICAL STANDARDS FOR THE PRACTICE OF LAND SURVEYING IN THE COMMONWEALTH OF MASSACHUSETTS, TITLE 250 CMR 6.00.

ROBERT R. LITCHFIELD, PLS #47615

DATE

| NO | DATE       | REVISIONS           |
|----|------------|---------------------|
| 1  | 10/17/2023 | RESOURCE AREA FLAGS |
| 2  | 11/22/2023 | REVIEW COMMENTS     |



DATE: JANUARY 13, 2023  
DRAWN: AH/DRC  
SCALE: 1" = 40'

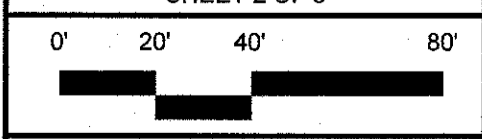
**LIBERTY PARKING EXPANSION**  
MAP SHEET 320, PARCEL 004  
15 LIBERTY WAY  
FRANKLIN, MASSACHUSETTS



249 SOUTH STREET, UNIT 1  
PLAINVILLE, MA 02762  
TEL. (508) 695-2221 FAX. (508) 695-2219

**EXISTING CONDITIONS**

**C-1.0**  
SHEET 2 OF 8



**2081.00**

**ZONING DISTRICT**  
 ZONED: INDUSTRIAL  
 USE: 3.10 WAREHOUSE, DISTRIBUTION FACILITY (EXISTING)

**MINIMUM BUILDING SETBACKS**

FRONT=40  
 FEET SIDE=30 FEET  
 REAR=30 FEET

**DEED REFERENCES**

ATLANTIC OLIVER 15 LIBERTY WAY, LLC  
 DEED BOOK 39279 PAGE 278

**PLAN REFERENCES**

PLAN NO. 879 OF 1994  
 PLAN NO. 878 OF 1994  
 PLAN NO. 47 OF 1995



| ZONING REQUIREMENTS  |                                |               |               |
|--|--------------------------------|---------------|---------------|
| ZONING DISTRICT: INDUSTRIAL  |                                |               |               |
|  | REQUIRED                       | EXISTING      | PROPOSED      |
| MIN. LOT AREA  | 40,000 S.F.                    | 653,400± S.F. | 653,400± S.F. |
| FRONTAGE   | 175'                           | 946.73'       | 946.73'       |
| FRONT YARD SETBACK   | 40'                            | 95.9'***      | 95.9'***      |
| SIDE YARD SETBACK  | 30'                            | 149.3'        | 149.3'        |
| REAR YARD SETBACK  | 30'                            | 259.6'        | 259.6'        |
| BUILDING COVERAGE  | 70% MAX.                       | 14.6%**       | 14.6%**       |
| IMPERVIOUS COVERAGE  | 80% MAX.                       | 46.7%***      | 57.4%***      |
| MAX. BUILDING HEIGHT   | 3 STORIES*                     | 1 STORY/24'   | 1 STORY/24'   |
| PARKING REQUIREMENTS   |                                |               |               |
| USE: EXISTING WAREHOUSE; ONE SPACE PER 1,000 SF OF GROSS FLOOR AREA. | 95,475 SF /1,000 SF =96 SPACES | 98            | (98) EXISTING |

\* BUILDINGS UP TO 60' IN HEIGHT MAY BE PERMITTED BY A SPECIAL PERMIT FROM THE PLANNING BOARD.  
 \*\* BUILDING AREA IS BASED ON FRANKLIN ASSESSORS RECORDS  
 \*\*\* TAKEN FROM THE RECORD SURVEY IN ADDITION TO AERIAL IMAGERY.

**PLAN NOTES:**

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- THE LOCATION OF EXISTING UTILITIES IS APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. NOTIFY "DIG-SAFE" AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO ANY SITE DEMOLITION OR EXCAVATION.
- CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES IN THE DESIGN PLANS PRIOR TO THE START OF CONSTRUCTION.
- ALL DISTURBED AREAS NOT RECEIVING IMPROVEMENTS SHALL BE LOAMED AND SEEDDED.
- THE SITE IS NOT LOCATED WITHIN A ZONE II WATER RESOURCE DISTRICT.
- THE SITE IS NOT LOCATED WITHIN A FLOOD PLAIN DISTRICT.

**CONSTRUCTION NOTES:**

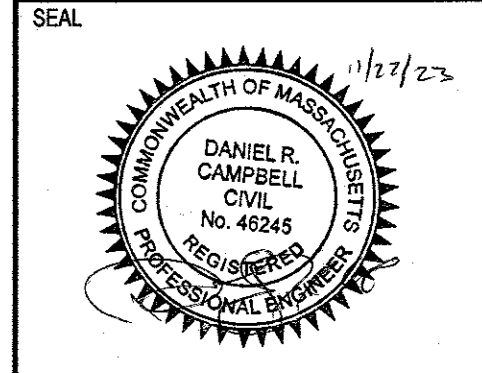
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**SITE PLAN NOTES:**

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| NO | DATE       | REVISIONS           |
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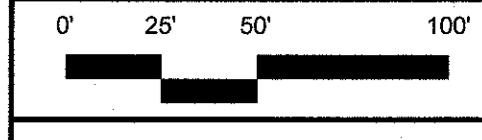
DATE: JANUARY 13, 2023  
 DRAWN: AH/DRC  
 SCALE: 1" = 50'

**LIBERTY PARKING EXPANSION**  
 MAP SHEET 320, PARCEL 004  
 15 LIBERTY WAY  
 FRANKLIN, MASSACHUSETTS

**LEVEL DESIGN GROUP**  
 249 SOUTH STREET, UNIT 1  
 PLAINVILLE, MA 02762  
 TEL: (508) 695-2221 FAX: (508) 695-2219

**OVERALL SITE PLAN**

**C-2.0**  
 SHEET 3 OF 9



**2081.00**

**ZONING DISTRICT**

ZONED: INDUSTRIAL  
USE: 3.10 WAREHOUSE, DISTRIBUTION FACILITY (EXISTING)

**MINIMUM BUILDING SETBACKS**

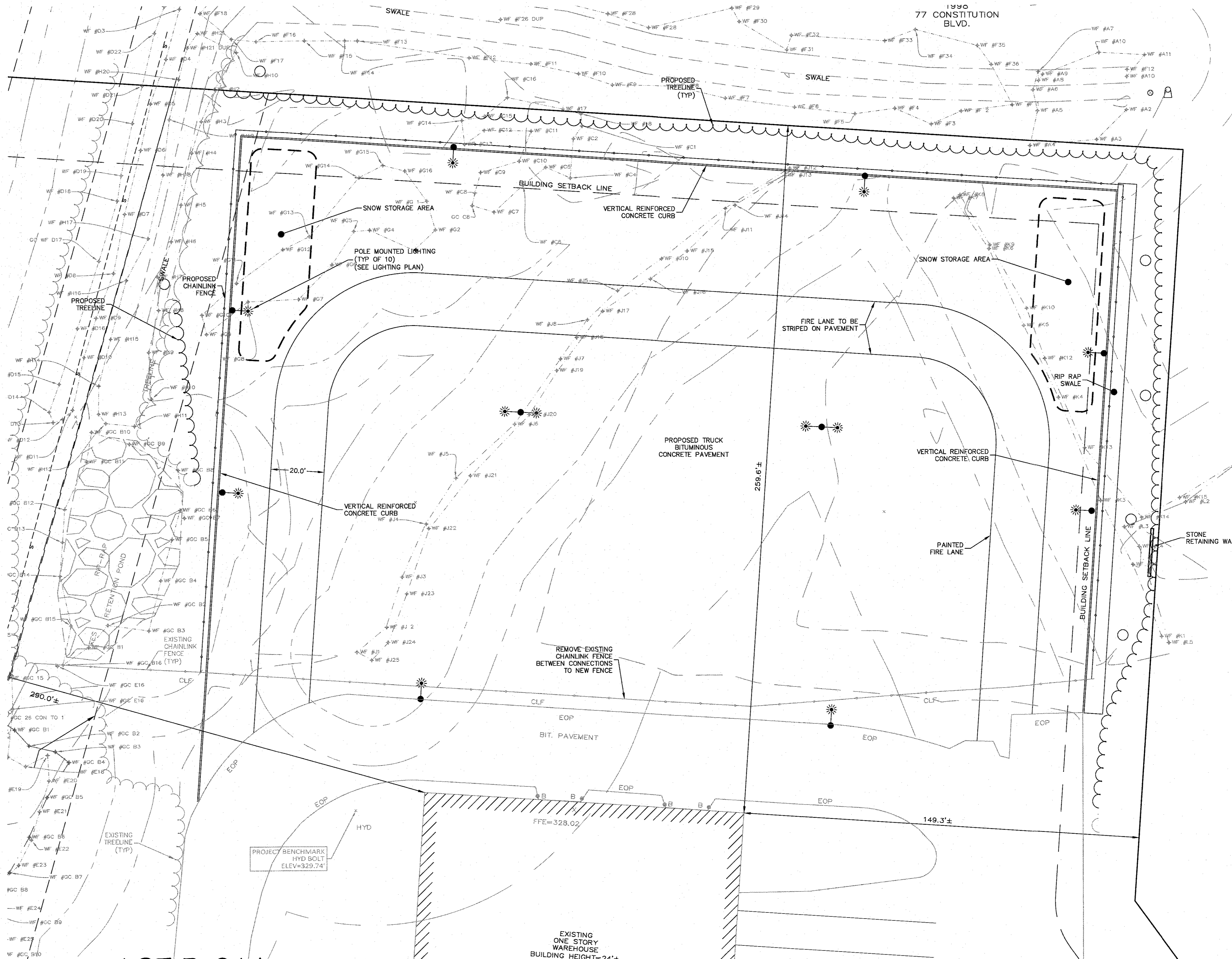
FRONT=40  
FEET SIDE=30 FEET  
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**DEED REFERENCES**

ATLANTIC OLIVER 15 LIBERTY WAY, LLC  
DEED BOOK 39279 PAGE 278

**PLAN REFERENCES**

PLAN NO. 879 OF 1994  
PLAN NO. 878 OF 1994  
PLAN NO. 47 OF 1995



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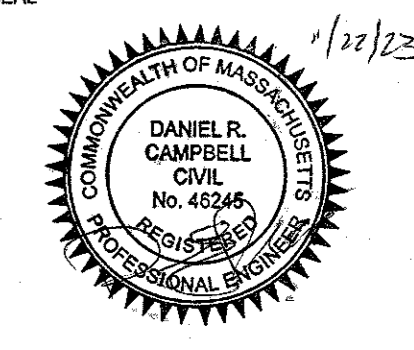
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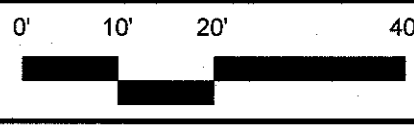
**LIBERTY PARKING EXPANSION**

MAP SHEET 320, PARCEL 004  
15 LIBERTY WAY  
FRANKLIN, MASSACHUSETTS



**LAYOUT & MATERIALS**

**C-3.0**  
SHEET 4 OF 9



**2081.00**

**ZONING DISTRICT**

ZONED: INDUSTRIAL  
USE: 3.10 WAREHOUSE, DISTRIBUTION FACILITY (EXISTING)

**MINIMUM BUILDING SETBACKS**

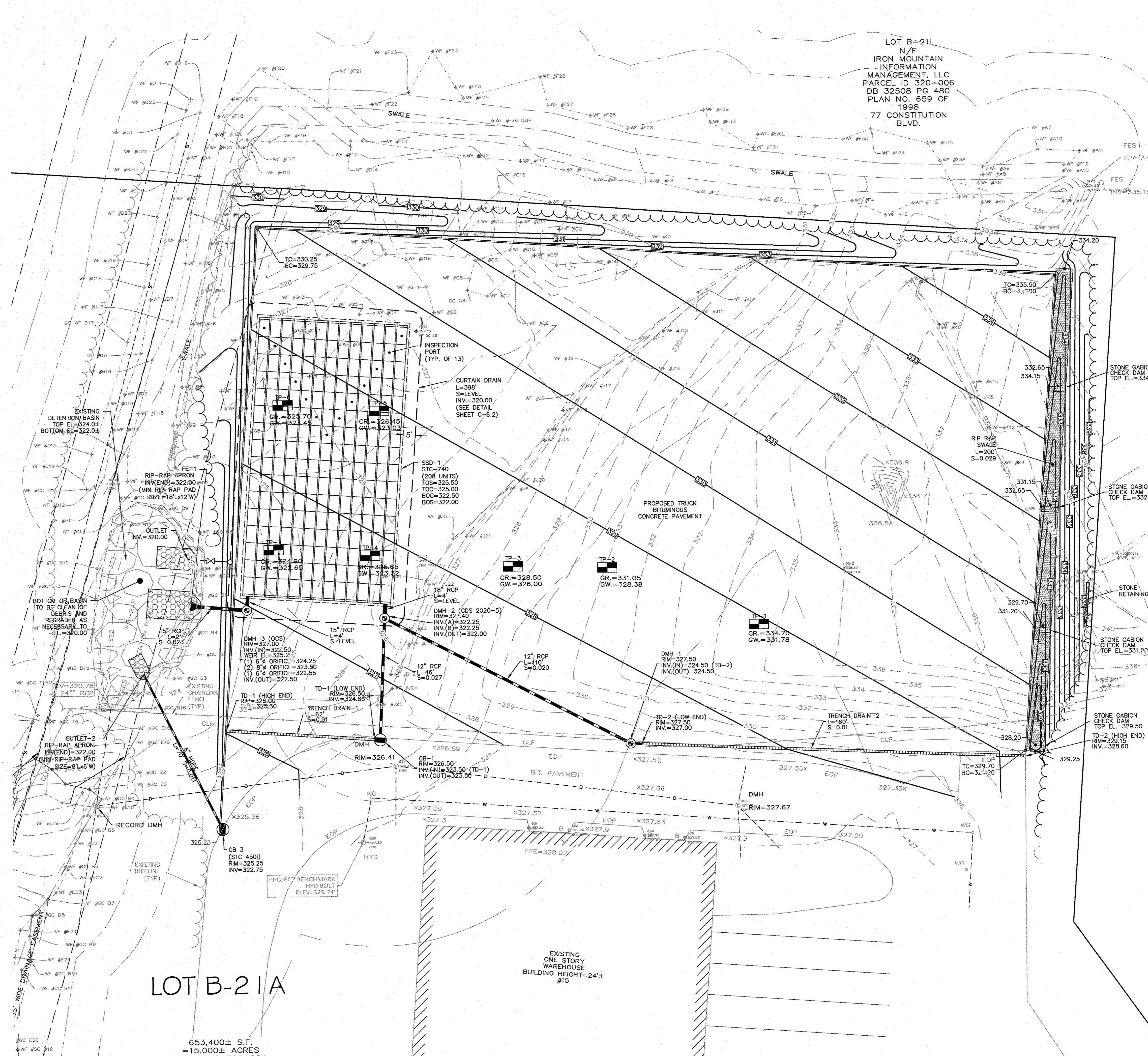
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**DEED REFERENCES**

ATLANTIC OLIVER 15 LIBERTY WAY, LLC  
DEED BOOK 39279 PAGE 278

**PLAN REFERENCES**

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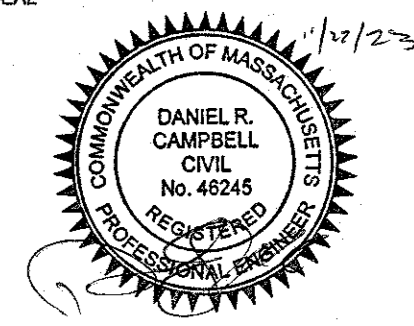
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LOT B-21A

653,400± S.F.  
=15.000± ACRES  
PARCEL ID 320-004  
DB 32508 PG 248

LOT B-211  
N/W  
IRON MOUNTAIN  
INFORMATION  
MANAGEMENT, LLC  
PARCEL ID 320-006  
DB 32508 PG 480  
PLAN NO. 659 OF  
1998  
77 CONSTITUTION  
BLVD.

| NO | DATE       | REVISIONS           |
|----|------------|---------------------|
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SCALE: 1" = 20'

**LIBERTY PARKING EXPANSION**  
MAP SHEET 320, PARCEL 004  
15 LIBERTY WAY  
FRANKLIN, MASSACHUSETTS

**LEVEL DESIGN GROUP**  
Civil Engineering & Land Subdivision  
249 SOUTH STREET, UNIT 1  
PLAINVILLE, MA 02762  
TEL. (508) 695-2221 FAX. (508) 695-2219

**GRADING & DRAINAGE**

**C-4.0**  
SHEET 5 OF 9

0' 10' 20' 40'  
**2081.00**

ZONING DISTRICT

ZONED: INDUSTRIAL

USE: 3.10 WAREHOUSE, DISTRIBUTION FACILITY (EXISTING)

MINIMUM BUILDING SETBACKS

FRONT=40
FEET SIDE=30 FEET
REAR=30 FEET

DEED REFERENCES

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DEED BOOK 39279 PAGE 278

PLAN REFERENCES

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EROSION CONTROL PLAN NOTES:

SILTATION CONTROL USING EROSION CONTROL FENCE WITH STRAW WATTLE, OR APPROVED EQUAL

SILT SOXX IS TO BE VISUALLY INSPECTED AFTER EVERY RAIN FALL AND REPAIRS MADE AS REQUIRED TO THE SILTATION CONTROL FENCE AND STRAW WATTLE AFTER EACH RAIN FALL. CLEANOUT OF ACCUMULATED SEDIMENT BEHIND THE WATTLE IS NECESSARY IF 1/2 OF THE ORIGINAL HEIGHT OF THE WATTLE APPEARS TO HAVE BEEN UNDAUNTED WITH SEDIMENT.

PRESERVE TOPSOIL

SITE OWNERS AND OPERATORS MUST PRESERVE EXISTING TOPSOIL ON THE CONSTRUCTION SITE TO THE MAXIMUM EXTENT FEASIBLE AND AS NECESSARY TO SUPPORT HEALTHY VEGETATION, PROMOTE SOIL STABILIZATION, AND INCREASE STORMWATER INFILTRATION RATES IN THE POST-CONSTRUCTION PHASE OF THE PROJECT.

STABILIZATION OF SOILS

UPON COMPLETION AND ACCEPTANCE OF SITE PREPARATION AND INITIAL INSTALLATION OF EROSION, RUNOFF, AND SEDIMENT CONTROLS AND TEMPORARY POLLUTION PREVENTION MEASURES, THE OPERATOR SHALL INITIATE APPROPRIATE TEMPORARY OR PERMANENT STABILIZATION PRACTICES DURING ALL PHASES OF CONSTRUCTION ON ALL DISTURBED AREAS AS SOON AS POSSIBLE BUT NOT MORE THAN FOURTEEN (14) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT AREA HAS TEMPORARILY OR PERMANENTLY CEASED UNLESS THE ACTIVITY IS TO RESUME WITHIN TWENTY-ONE (21) DAYS.

ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED AFTER FINAL SITE STABILIZATION. DISTURBED SOIL AREAS RESULTING FROM THE REMOVAL OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED WITHIN 30 DAYS OF REMOVAL.

ONLY AREAS THAT CAN BE REASONABLY EXPECTED TO HAVE ACTIVE CONSTRUCTION WORK BEING PERFORMED WITHIN 14 DAYS OF DISTURBANCE WILL BE CLEARED/GRUBBED AT ANY ONE TIME. IT IS NOT ACCEPTABLE TO GRUB AND STRIP TOP SOIL THE ENTIRE CONSTRUCTION SITE IF PORTIONS WILL NOT BE ACTIVE WITHIN THE 14-DAY TIME FRAME. PROPER PHASING OF CLEARING AND GRUBBING ACTIVITIES SHALL INCLUDE TEMPORARY STABILIZATION TECHNIQUES FOR AREAS CLEARED AND GRUBBED THAT WILL NOT BE ACTIVE WITHIN THE 14-DAY TIME FRAME.

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STEEP SLOPES SHALL NOT BE LEFT UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON. THE CONTRACTOR SHALL INITIATE APPROPRIATE VEGETATIVE PRACTICES ON ALL DISTURBED AREAS IN AREAS OF STEEP SLOPES AS SOON AS POSSIBLE BUT NOT MORE THAN FOURTEEN (14) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT AREA HAS TEMPORARILY OR PERMANENTLY CEASED, UNLESS THE ACTIVITY IS TO RESUME WITHIN TWENTY-ONE (21) DAYS. ONCE AN STEEP SLOPE AREA HAS BEEN TEMPORARILY AND/OR FINAL SEEDED IT SHALL BE PROTECTED WITH 4' HIGH ORANGE CONSTRUCTION TO PREVENT FURTHER DISTURBANCE OF THE AREA.

THE TEMPORARY SEEDING DESIGN MIX SHALL BE COMPRISED OF THE FOLLOWING:

Table with 3 columns: TYPE, % BY WEIGHT, PERENNIAL RYE GRASS 40, PERENNIAL RYE GRASS 60

STORMWATER INLET PROTECTION

INLET PROTECTION - WILL BE UTILIZED TO PREVENT SOIL AND DEBRIS FROM ENTERING STORM DRAIN INLETS. THESE MEASURES ARE USUALLY TEMPORARY AND ARE IMPLEMENTED BEFORE A SITE IS DISTURBED. ALL STORMWATER INLETS &/OR CATCH BASINS THAT ARE OPERATIONAL DURING CONSTRUCTION AND HAVE THE POTENTIAL TO RECEIVE SEDIMENT-LADEN STORMWATER FLOW FROM THE CONSTRUCTION SITE MUST BE PROTECTED USING CONTROL MEASURES OUTLINED IN THE STORMWATER POLLUTION PREVENTION PLAN. EROSION CONTROL FENCE WITH STRAW WATTLES ARE TO BE PLACED AT TO OPENING OF ALL ROUGH GRADED SEDIMENT FOREBAYS UNTIL THE FOREBAY AND BASIN HAS BEEN STABILIZED AND BROUGHT ON-LINE.

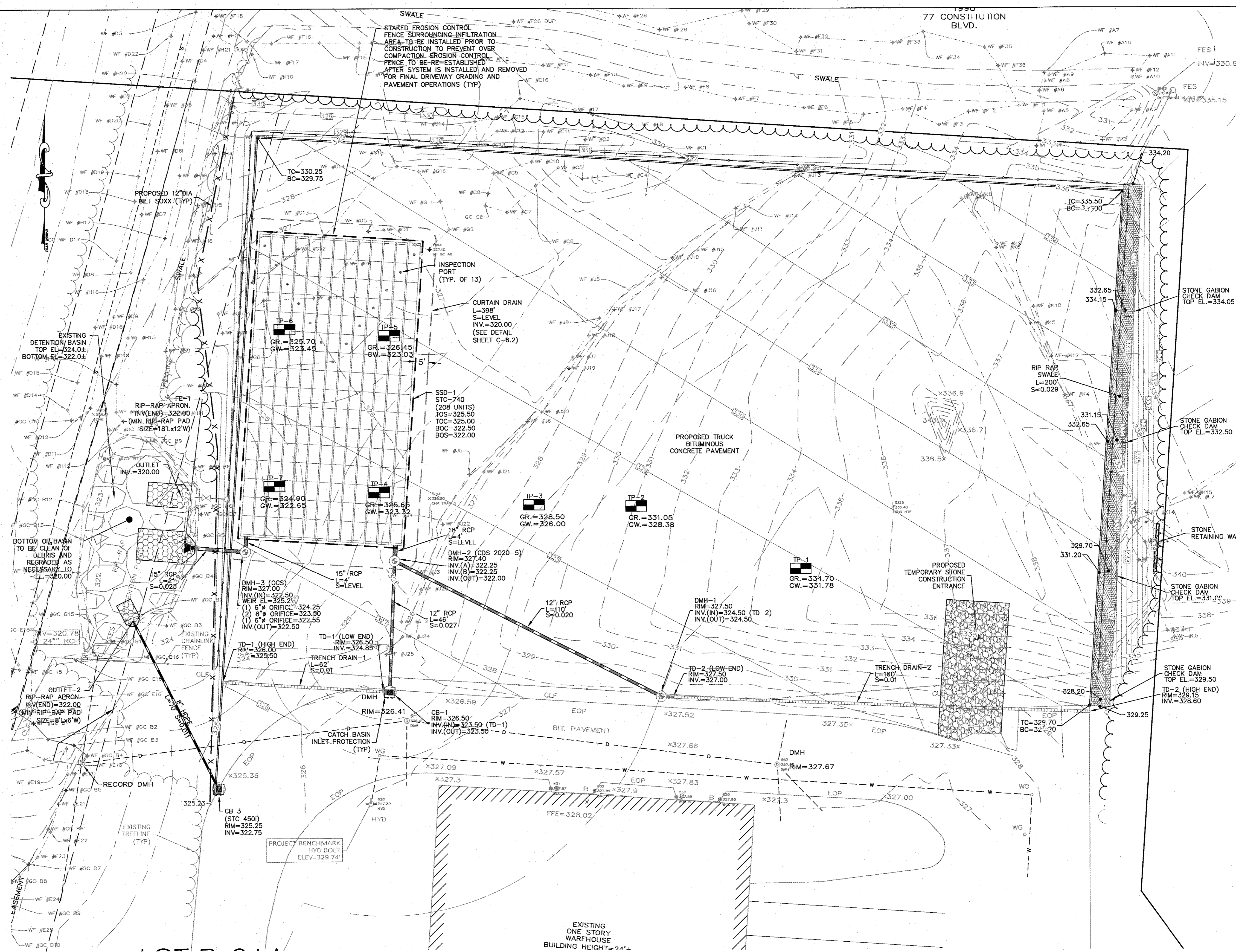
MAINTENANCE - THE OPERATOR MUST CLEAN, OR REMOVE AND REPLACE THE INLET PROTECTION MEASURES AS SEDIMENT ACCUMULATES, THE FILTER BECOMES CLOGGED, AND/OR AS PERFORMANCE IS COMPROMISED. ACCUMULATED SEDIMENT ADJACENT TO THE INLET PROTECTION MEASURES SHOULD BE REMOVED BY THE END OF THE SAME WORK DAY IN WHICH IT IS FOUND OR BY THE END OF THE FOLLOWING WORK DAY IF REMOVAL BY THE SAME WORK DAY IS NOT FEASIBLE.

INFILTRATION BASINS - ALL AREAS CONTAINING INFILTRATION BASINS (ABOVE OR BELOW GROUND) SHALL BE PROTECTED THROUGHOUT CONSTRUCTION. THESE AREAS ARE NOT TO BE USED FOR MATERIAL STOCKPILES OR FOR PARKING EQUIPMENT. SURFACE BASINS ARE TO BE ROUGH GRADED AND PROTECTED UNTIL STABILIZED AND BROUGHT ON-LINE FOR STORMWATER MANAGEMENT OF THE STABILIZED SITE.

CONSTRUCTION ENTRANCES

CONSTRUCTION ENTRANCES SHALL BE ESTABLISHED PRIOR TO REMOVAL OF EXISTING DRIVEWAY PAVEMENT TO BE USED IN CONJUNCTION WITH THE STABILIZATION OF CONSTRUCTION ROADS TO REDUCE THE AMOUNT OF SEDIMENT TRACKING OFF THE PROJECT. ANY CONSTRUCTION SITE ACCESS POINT MUST EMPLOY THE CONTROL MEASURES ON THE APPROVED SITE PLANS AND IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN. CONSTRUCTION ENTRANCES SHALL BE USED IN CONJUNCTION WITH THE STABILIZATION OF CONSTRUCTION ROADS TO REDUCE THE AMOUNT OF MUD PICKED UP BY CONSTRUCTION VEHICLES. ALL CONSTRUCTION ACCESS ROADS SHALL BE CONSTRUCTED PRIOR TO ANY ROADWAY ACCEPTING CONSTRUCTION TRAFFIC.

THE SITE OWNER AND OPERATOR MUST RESTRICT VEHICLE USE TO PROPERLY DESIGNATED EXIT POINTS, USE PROPERLY DESIGNED AND CONSTRUCTED CONSTRUCTION ENTRANCES AT ALL POINTS THAT EXIT ONTO PAVED ROADS SO THAT SEDIMENT REMOVAL OCCURS PRIOR TO VEHICLE EXIT. WHEN AND WHERE NECESSARY, USE ADDITIONAL CONTROLS TO REMOVE SEDIMENT FROM VEHICLE TIRES PRIOR TO EXIT (I.E. WHEEL WASHING RACKS, RUMBLE STRIPS, AND RATTLE PLATES). WHERE SEDIMENT HAS BEEN TRACKED OUT FROM THE CONSTRUCTION SITE ONTO THE SURFACE OF OFFSET STREETS, OTHER PAVED AREAS, AND SIDEWALKS, THE DEPOSITED SEDIMENT MUST BE REMOVED BY THE END OF THE SAME WORK DAY IN WHICH THE TRACK OUT OCCURS. TRACK-OUT MUST BE REMOVED BY SWEEPING, SHOVELING, OR VACUUMING THESE SURFACES, OR BY USING OTHER SIMILARLY EFFECTIVE MEANS OF SEDIMENT REMOVAL.



STOCKPILE CONTAINMENT

SHALL BE USED ON-SITE TO MINIMIZE OR ELIMINATE THE DISCHARGE OF SOIL, TOPSOIL, BASE MATERIAL OR RUBBLE, FROM ENTERING DRAINAGE SYSTEMS OR SURFACE WATERS. ALL STOCKPILES MUST BE LOCATED WITHIN THE LIMIT OF DISTURBANCE, PROTECTED FROM RUN-ON WITH THE USE OF TEMPORARY SEDIMENT BARRIERS AND PROVIDED WITH COVER OR STABILIZATION TO AVOID CONTACT WITH PRECIPITATION AND WIND WHERE AND WHEN PRACTICAL. STOCK PILE MANAGEMENT CONSISTS OF PROCEDURES AND PRACTICES DESIGNED TO MINIMIZE OR ELIMINATE THE DISCHARGE OF STOCKPILED MATERIAL (SOIL, TOPSOIL, BASE MATERIAL, RUBBLE) FROM ENTERING DRAINAGE SYSTEMS OR SURFACE WATERS. FOR ANY STOCKPILES OR LAND CLEARING DEBRIS COMPOSED, IN WHOLE OR IN PART, OF SEDIMENT OR SOIL, YOU MUST COMPLY WITH THE FOLLOWING REQUIREMENTS - LOCATE PILES WITHIN THE DESIGNATED LIMITS OF DISTURBANCE OUTSIDE OF THE 100-FOOT BUFFER ZONE, PROTECT FROM CONTACT WITH STORMWATER (INCLUDING RUN-ON) USING A TEMPORARY PERIMETER SEDIMENT BARRIER; WHERE PRACTICABLE, PROVIDE COVER OR APPROPRIATE TEMPORARY VEGETATIVE OR STRUCTURAL STABILIZATION TO AVOID DIRECT CONTACT WITH PRECIPITATION OR TO MINIMIZE SEDIMENT DISCHARGE; NEVER HOSE DOWN OR SWEEP SOIL OR SEDIMENT ACCUMULATED ON PAVEMENT OR OTHER IMPERVIOUS SURFACES INTO ANY STORMWATER CONVEYANCE, STORM DRAIN INLET, OR SURFACE WATER; TO THE MAXIMUM EXTENT PRACTICABLE, CONTAIN AND SECURELY PROTECT FROM WIND.

GENERAL CONSTRUCTION SEQUENCING

- 1. INSTALL EROSION AND SEDIMENT CONTROLS.
2. CLEAR, GRUB AND ROUGH GRADE AREAS SHOWN TO BE REGRADED.
3. DEMO EXISTING FEATURES IN WORK AREA NOT SHOWN TO BE SAVED AND CUT AND CAP UTILITIES AS NEEDED.
4. INSTALL STORMWATER MANAGEMENT SYSTEM AND SITE UTILITIES.
5. INSTALL BINDER COAT PAVING.
6. INSTALL LANDSCAPING.
7. FINE GRADE SITE AND LOAM AND SEED ALL DISTURBED AREAS.
8. INSTALL TOP COAT PAVEMENT.
9. PROJECT CLOSE OUT.

PLAN NOTES:

- 1. EXISTING CONDITIONS WERE OBTAINED FROM FIELD SURVEY PREPARED BY LEVEL DESIGN GROUP, LLC BETWEEN NOVEMBER 2, 2022 AND NOVEMBER 16, 2022. THERE ARE NO RESOURCE AREAS, IN ACCORDANCE WITH 310 CMR 10.00 WITHIN 100' OF PROPOSED SYSTEM.
2. THE LOCATION OF EXISTING UTILITIES IS APPROXIMATE, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. NOTIFY "DIG-SAFE" AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO ANY SITE DEMOLITION OR EXCAVATION.
3. SEE STORMWATER POLLUTION PREVENTION PLAN PREPARED FOR CONSTRUCTION ACTIVITIES AT 15 LIBERTY WAY FRANKLIN, MA 02038, FOR ADDITIONAL EROSION AND SEDIMENT CONTROL PRACTICES AND PROCEDURES.

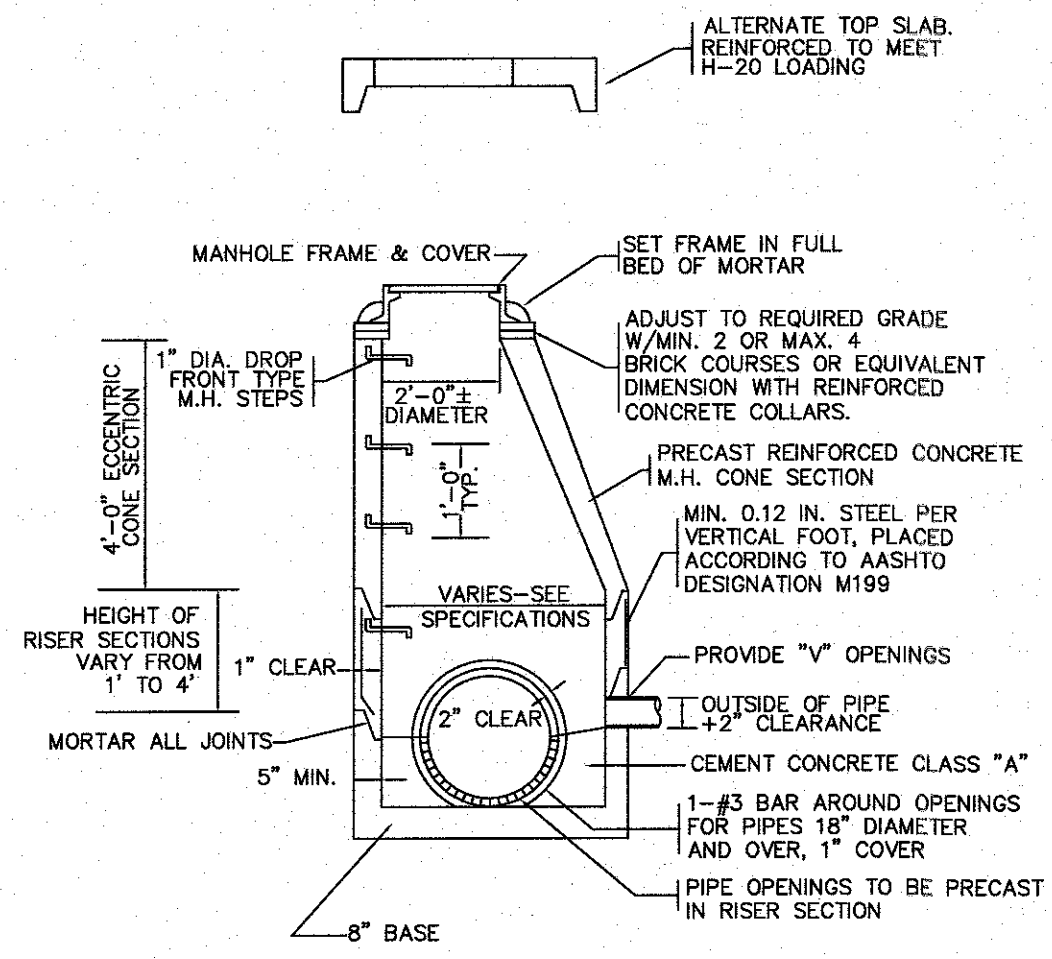
Table with columns: NO, DATE, REVISIONS. Includes revision 1 (10/17/2023) and revision 2 (11/22/2023).

DATE: JANUARY 13, 2023
DRAWN: AH/DRC
SCALE: 1" = 20'

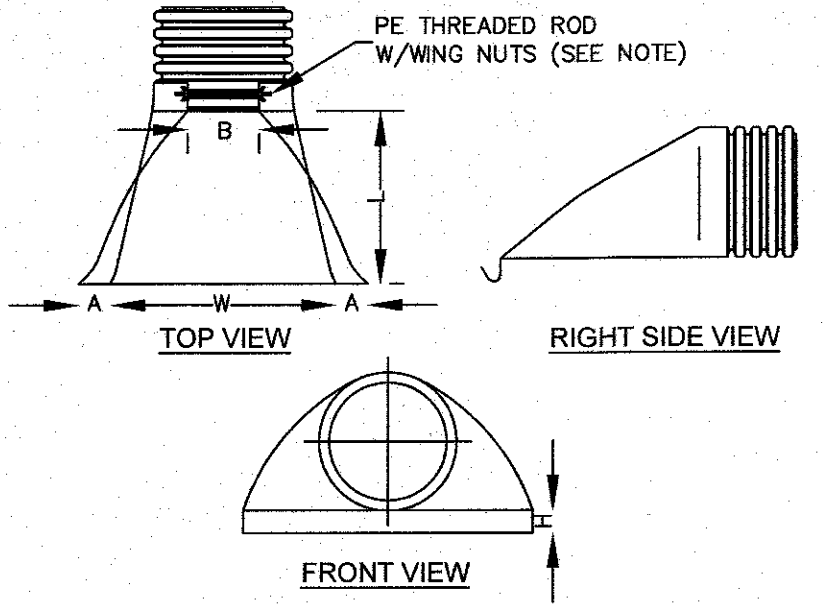
LIBERTY PARKING EXPANSION
MAP SHEET 320, PARCEL 004
15 LIBERTY WAY
FRANKLIN, MASSACHUSETTS

LEVEL DESIGN GROUP
249 SOUTH STREET, UNIT 1
PLAINVILLE, MA 02762
TEL: (508) 695-2221 FAX: (508) 695-2219

EROSION CONTROL
C-5.0
SHEET 6 OF 9
2081.00



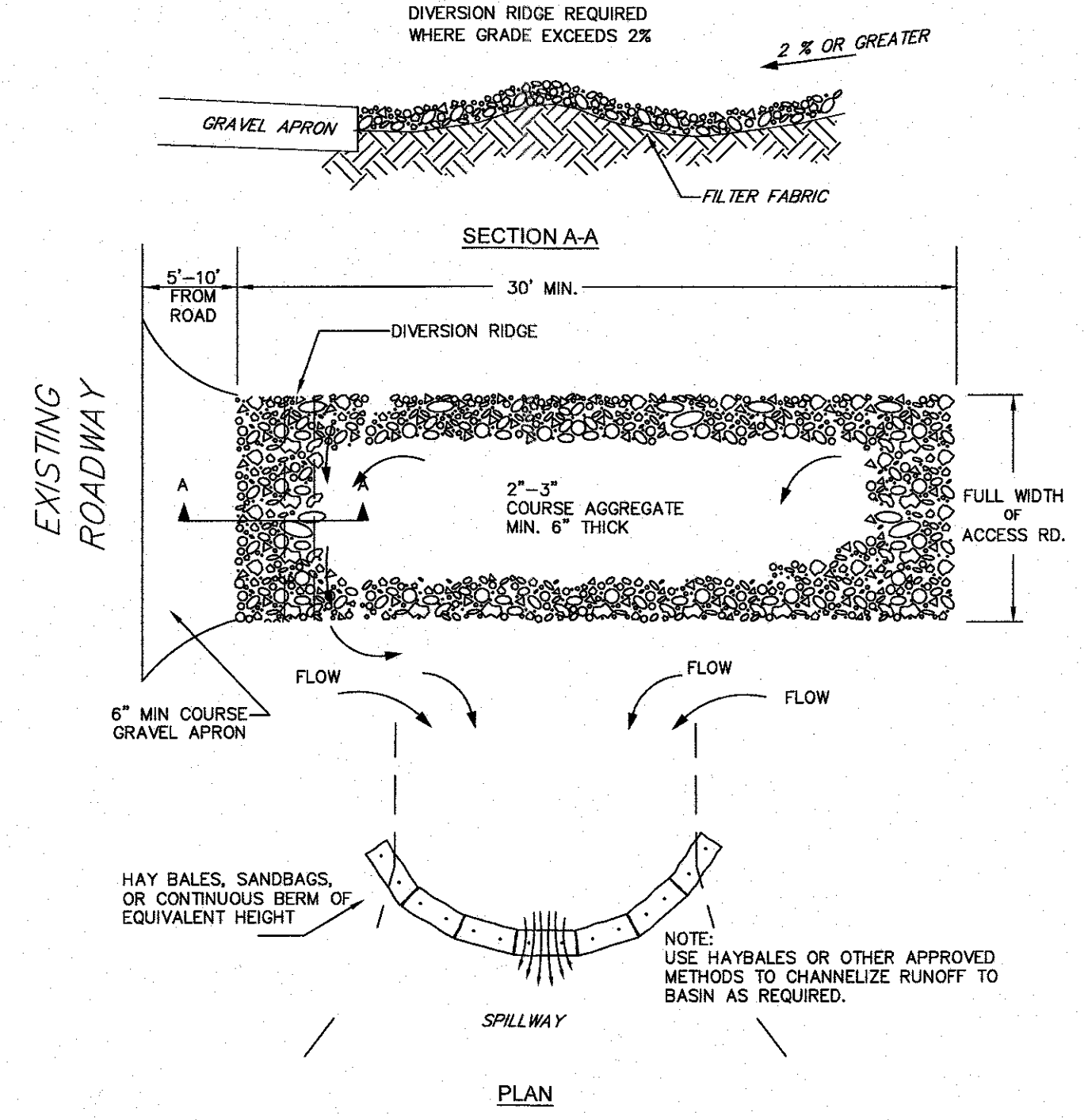
**PRECAST CONCRETE DRAIN MANHOLE**  
NOT TO SCALE



| PIPE SIZE | A     | B (MAX) | H    | L   | W   |
|-----------|-------|---------|------|-----|-----|
| 12"       | 6.5"  | 10"     | 6.5" | 25" | 29" |
| 15"       | 6.5"  | 10"     | 6.5" | 25" | 29" |
| 18"       | 7.5"  | 15"     | 6.5" | 32" | 35" |
| 24"       | 7.5"  | 18"     | 6.5" | 36" | 45" |
| 30"       | 10.5" | N/A     | 7.0" | 53" | 68" |
| 36"       | 10.5" | N/A     | 7.0" | 53" | 68" |

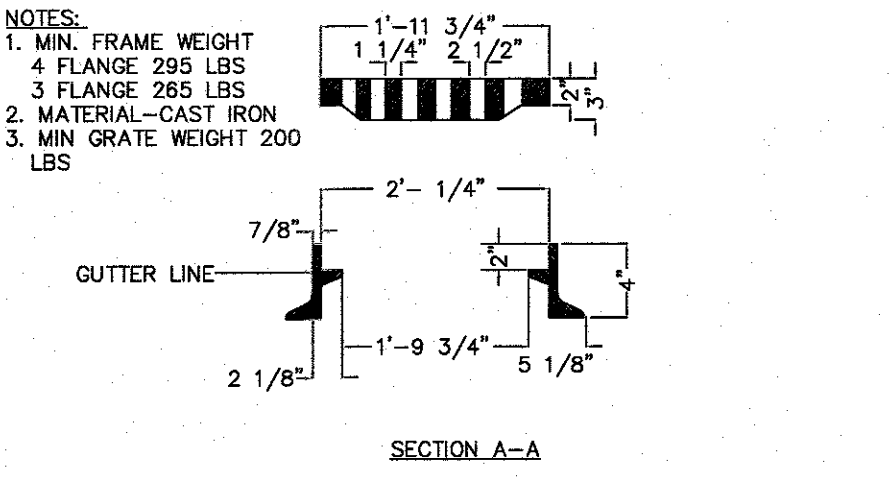
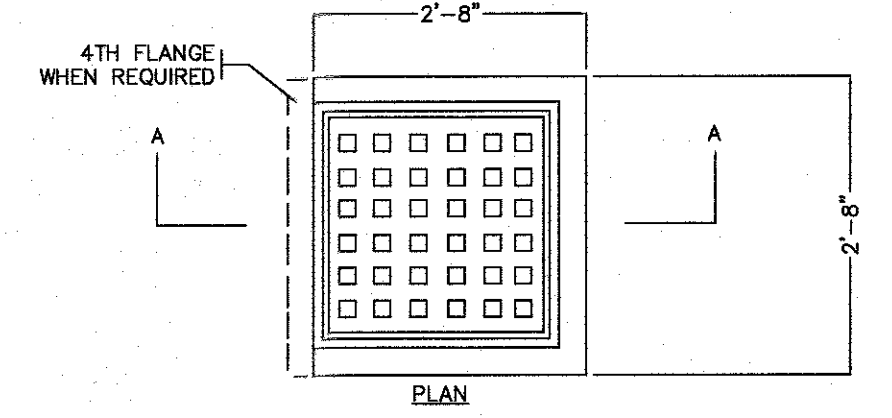
NOTE: PE THREADED ROD W/WING NUTS PROVIDED FOR END SECTIONS 12"-24", 30" & 36" END SECTIONS TO BE WELDED TO PIPE PER MANUFACTURER'S RECOMMENDATIONS.

**HDPE FLARED END SECTION**  
NOT TO SCALE

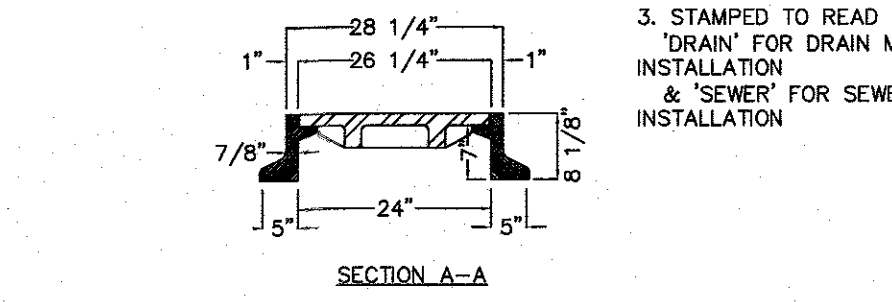
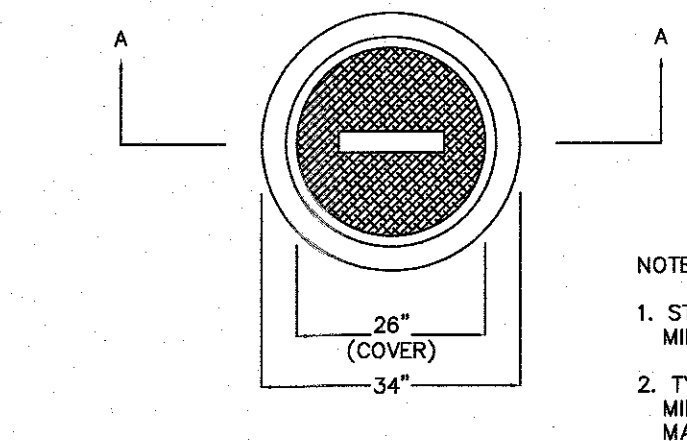


- NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITIONS THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
  2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
  3. WHEN WASHING IS REQUIRED IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS TO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

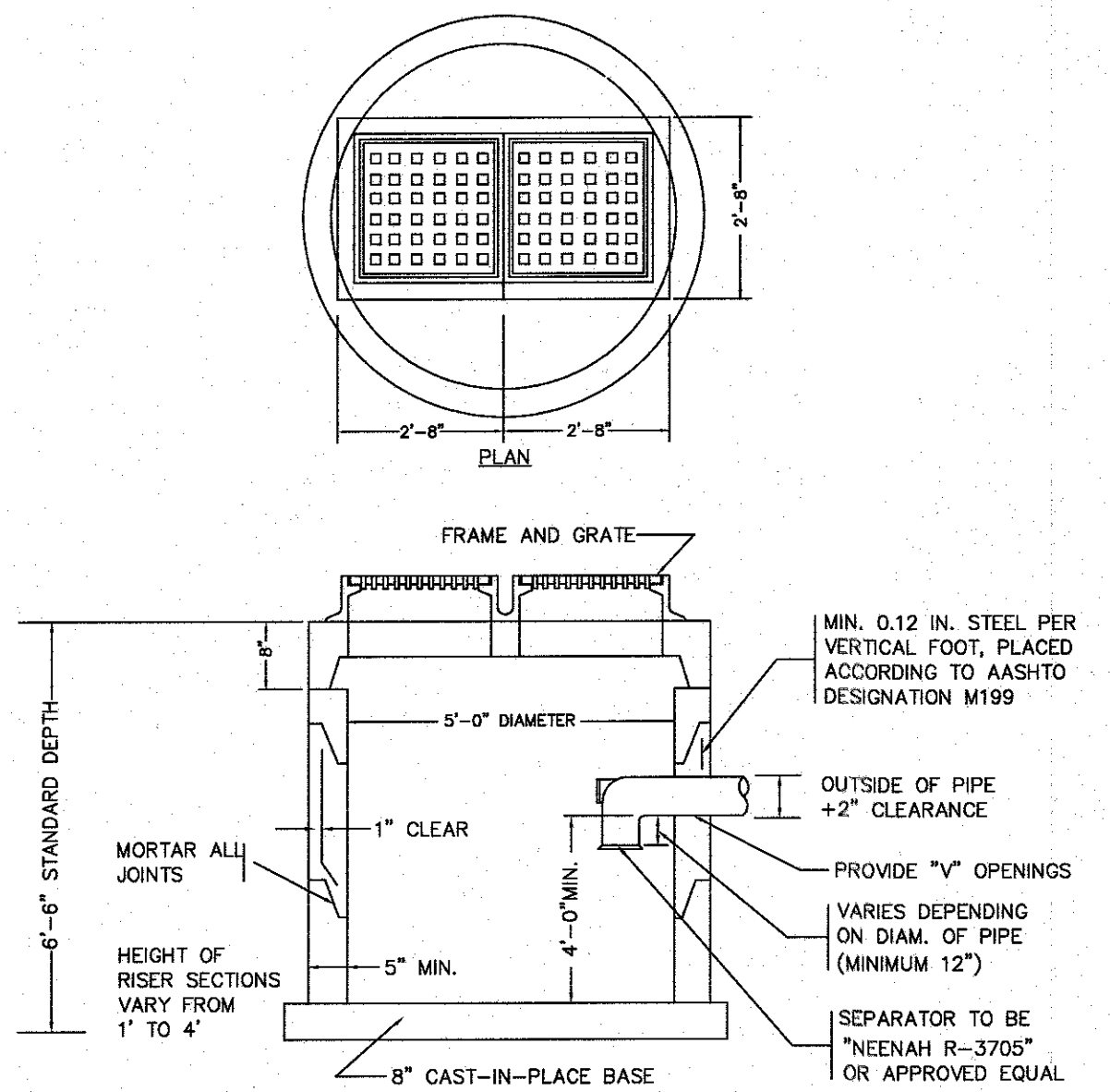
**TEMPORARY CONSTRUCTION ENTRANCE/EXIT DETAIL**  
NOT TO SCALE



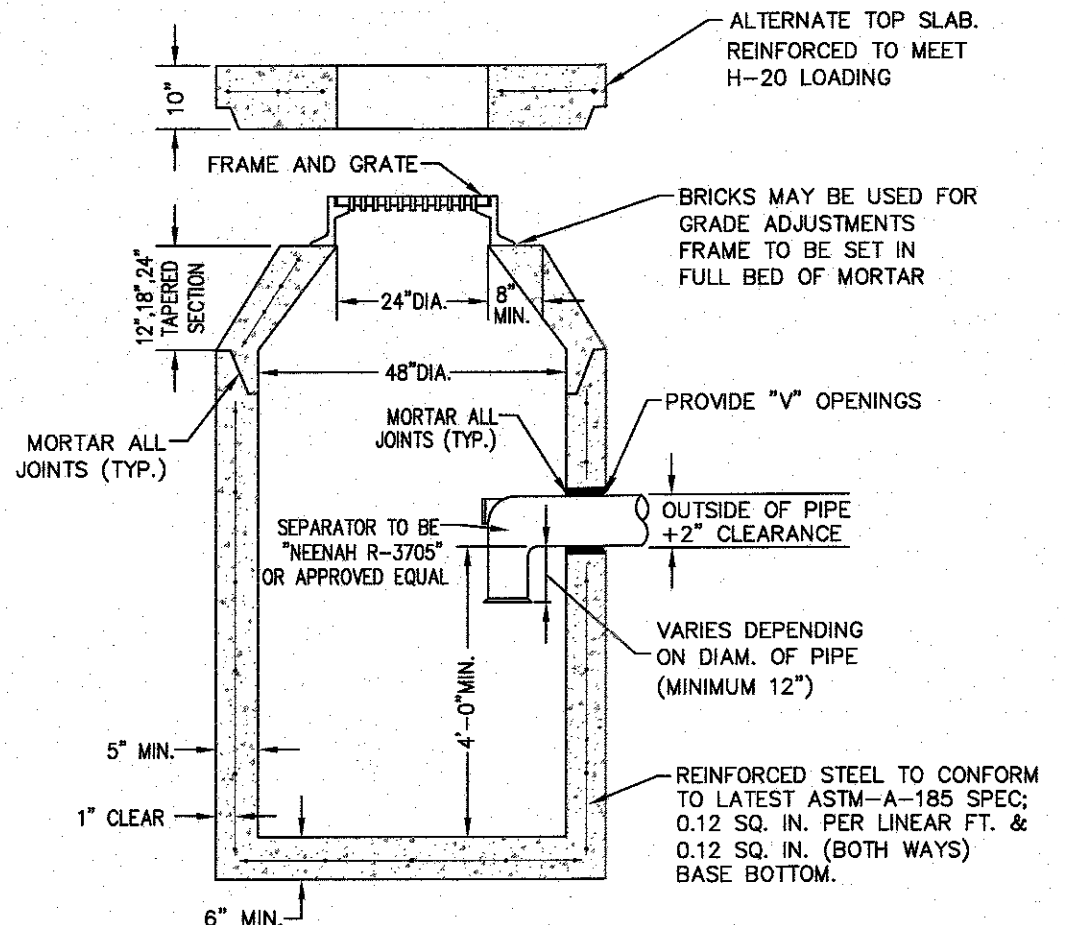
**STANDARD CATCH BASIN FRAME & GRATE**  
NOT TO SCALE



**STANDARD MANHOLE FRAME & COVER**  
NOT TO SCALE

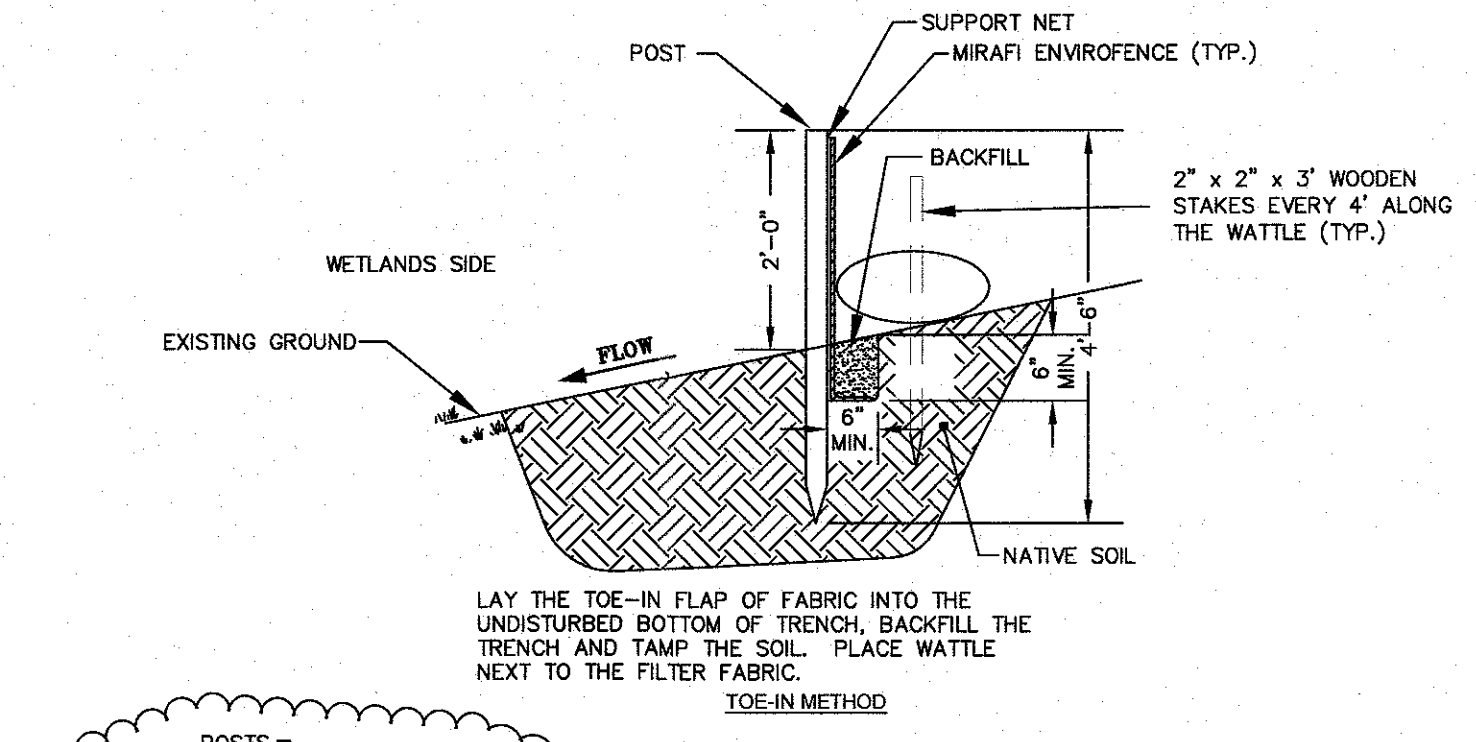


**PRECAST CONCRETE DOUBLE CATCH BASIN WITH GAS AND OIL SEPARATOR**  
NOT TO SCALE

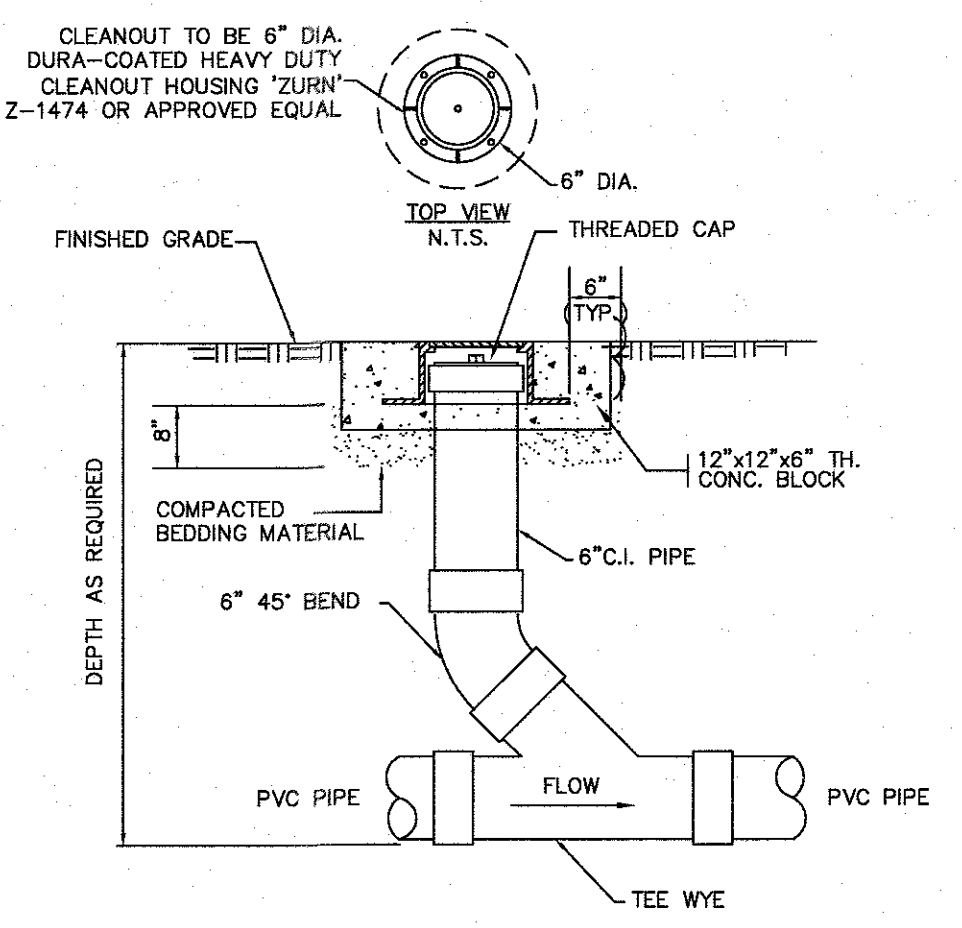


- NOTES:
1. CONCRETE TO BE 4,000 PSI MIN. PER ASTM C-478(6.1).
  2. REINFORCING TO MEET OR EXCEED H-20 LOADING REQUIREMENTS.

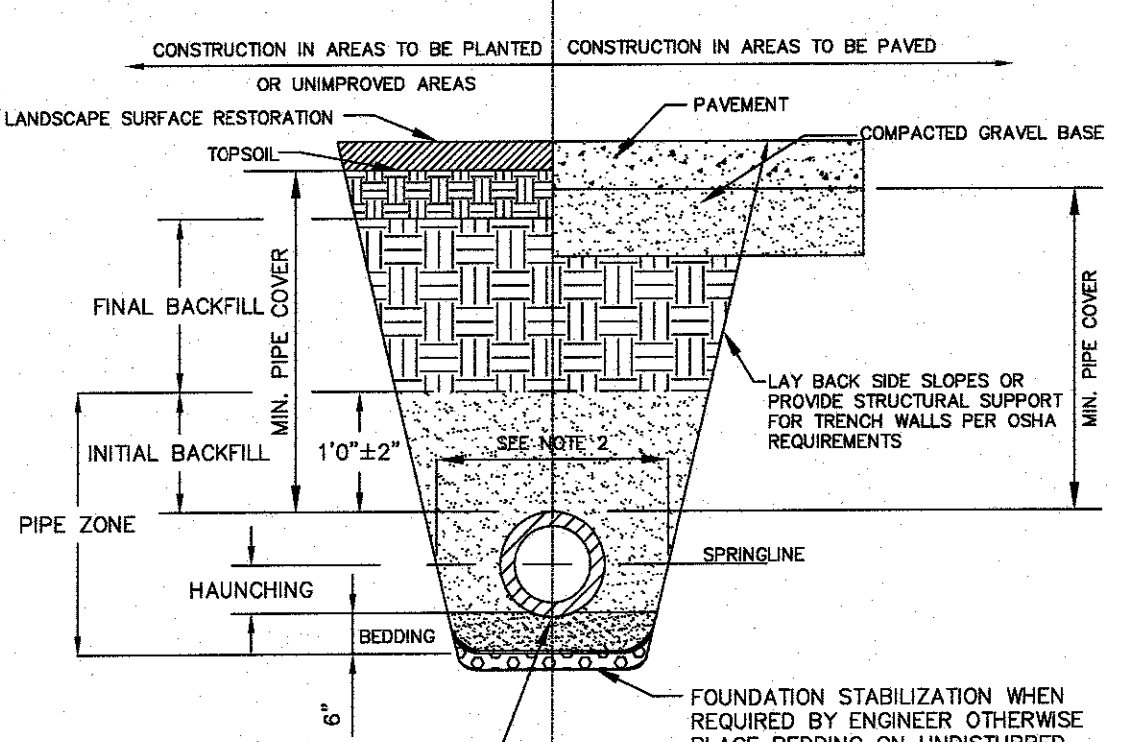
**PRECAST CONCRETE CATCH BASIN WITH GAS AND OIL SEPARATOR**  
NOT TO SCALE



**EROSION CONTROL FENCE WITH STRAW WATTLE**  
NOT TO SCALE

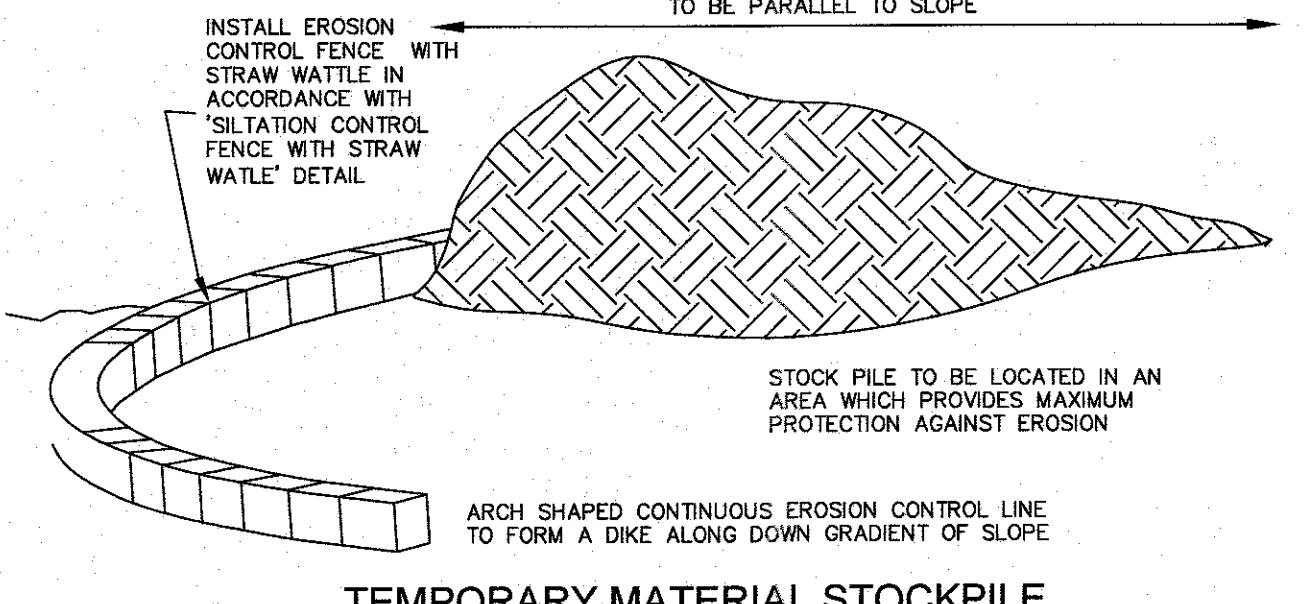


**CLEANOUT AT GRADE**  
NOT TO SCALE

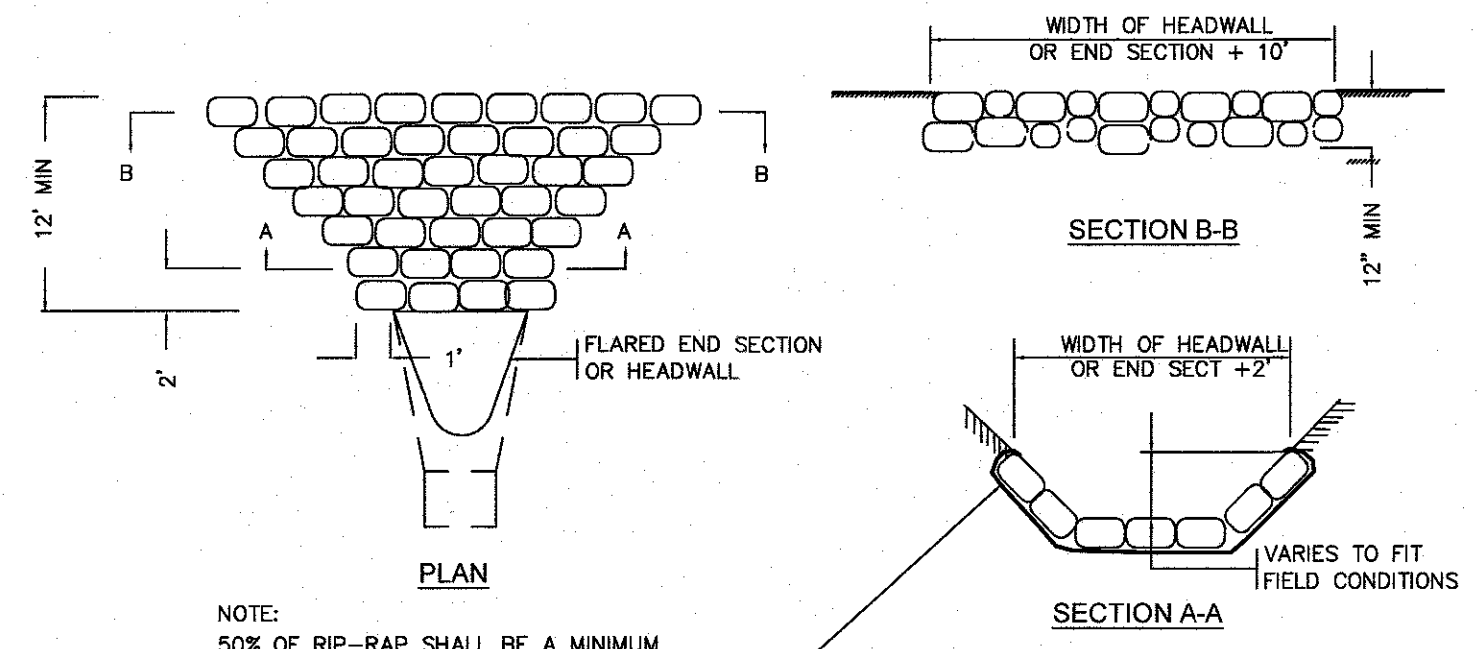


| FOUNDATION, BEDDING AND BACKFILL MATERIALS |          |        |        |
|--|----------|--------|--------|
| PIPE MATERIAL                              | HDP, PVC | RC, DI | RC, DI |
| FOUNDATION STABILIZATION                   | [6]      | [6]    | [6]    |
| BEDDING                                    | [1]      | [1]    | [1]    |
| HAUNCHING                                  | [1]      | [1]    | [1]    |
| INITIAL BACKFILL                           | [4]      | [4]    | [4]    |
| FINAL BACKFILL                             | [4]      | [4]    | [4]    |
| PIPE COVER                                 | [5]      | [5]    | [5]    |

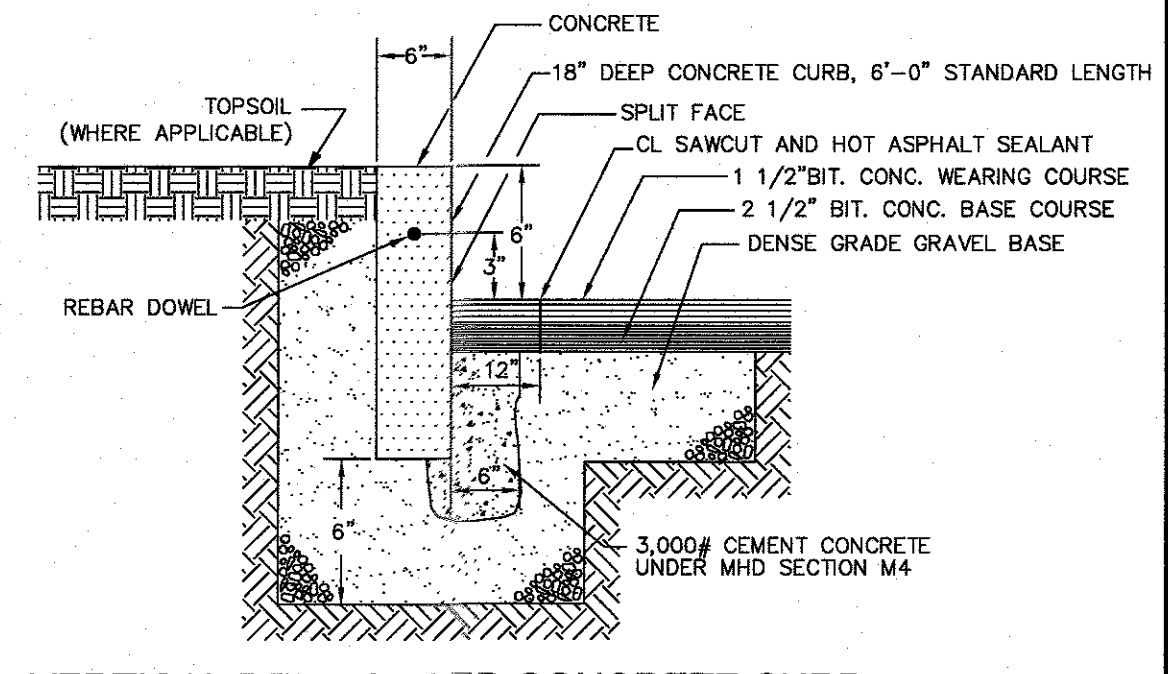
**UTILITY TRENCH**  
NOT TO SCALE



**TEMPORARY MATERIAL STOCKPILE**  
NOT TO SCALE

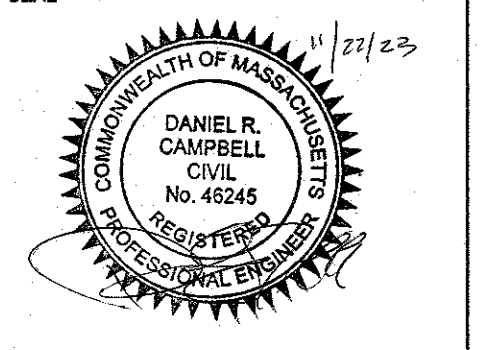


**RIP RAP APRON AT PIPE ENDS**  
NOT TO SCALE



**VERTICAL REINFORCED CONCRETE CURB**  
NOT TO SCALE

| NO | DATE       | REVISIONS           |
|----|------------|---------------------|
| 1  | 10/17/2023 | RESOURCE AREA FLAGS |
| 2  | 11/22/2023 | REVIEW COMMENTS     |



DATE: JANUARY 13, 2023  
DRAWN: AH/DRG  
SCALE: AS NOTED

**LIBERTY PARKING EXPANSION**

MAP SHEET 320, PARCEL 004  
15 LIBERTY WAY  
FRANKLIN, MASSACHUSETTS

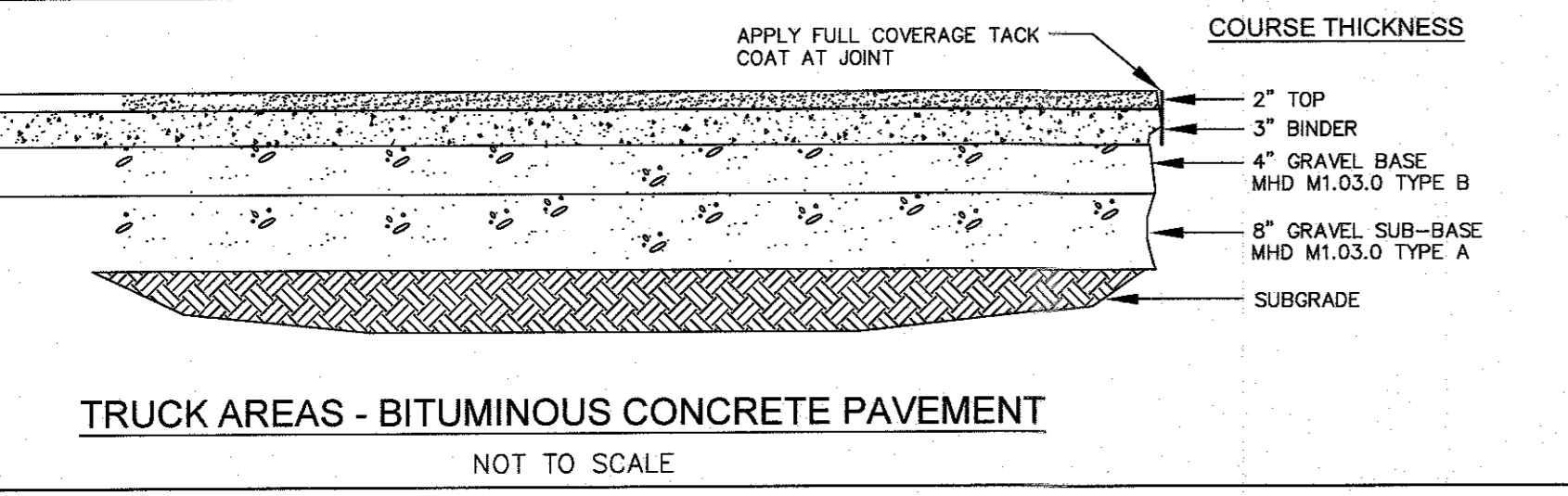
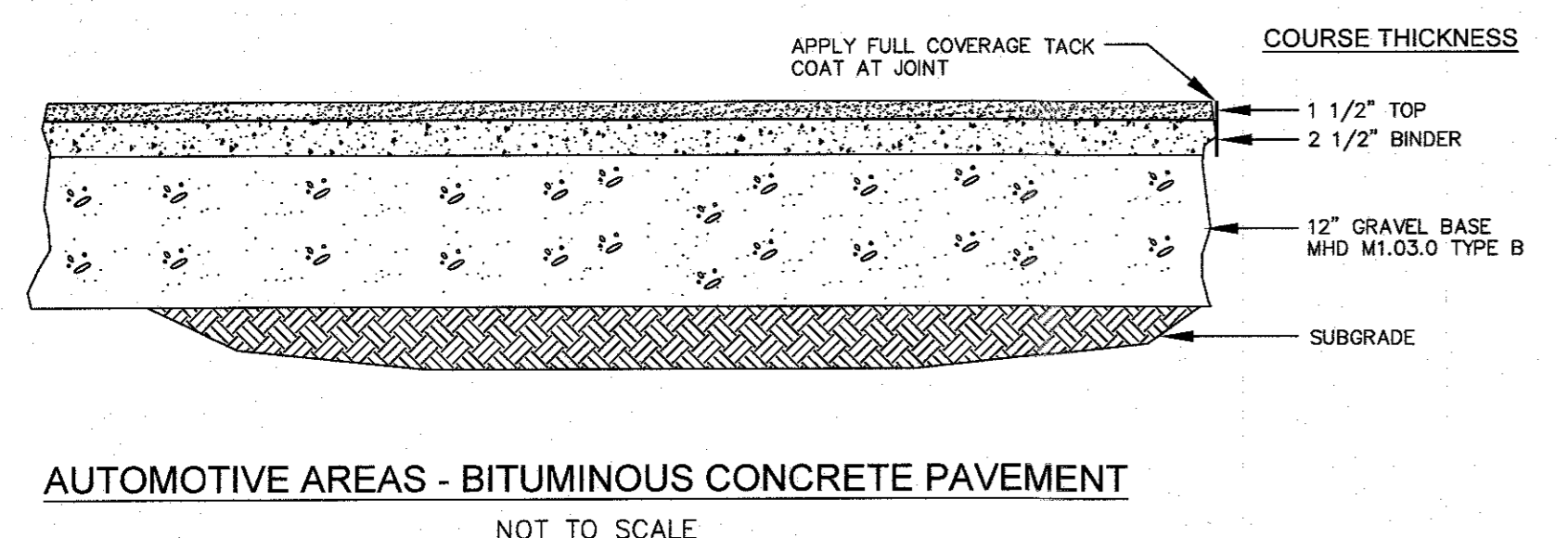
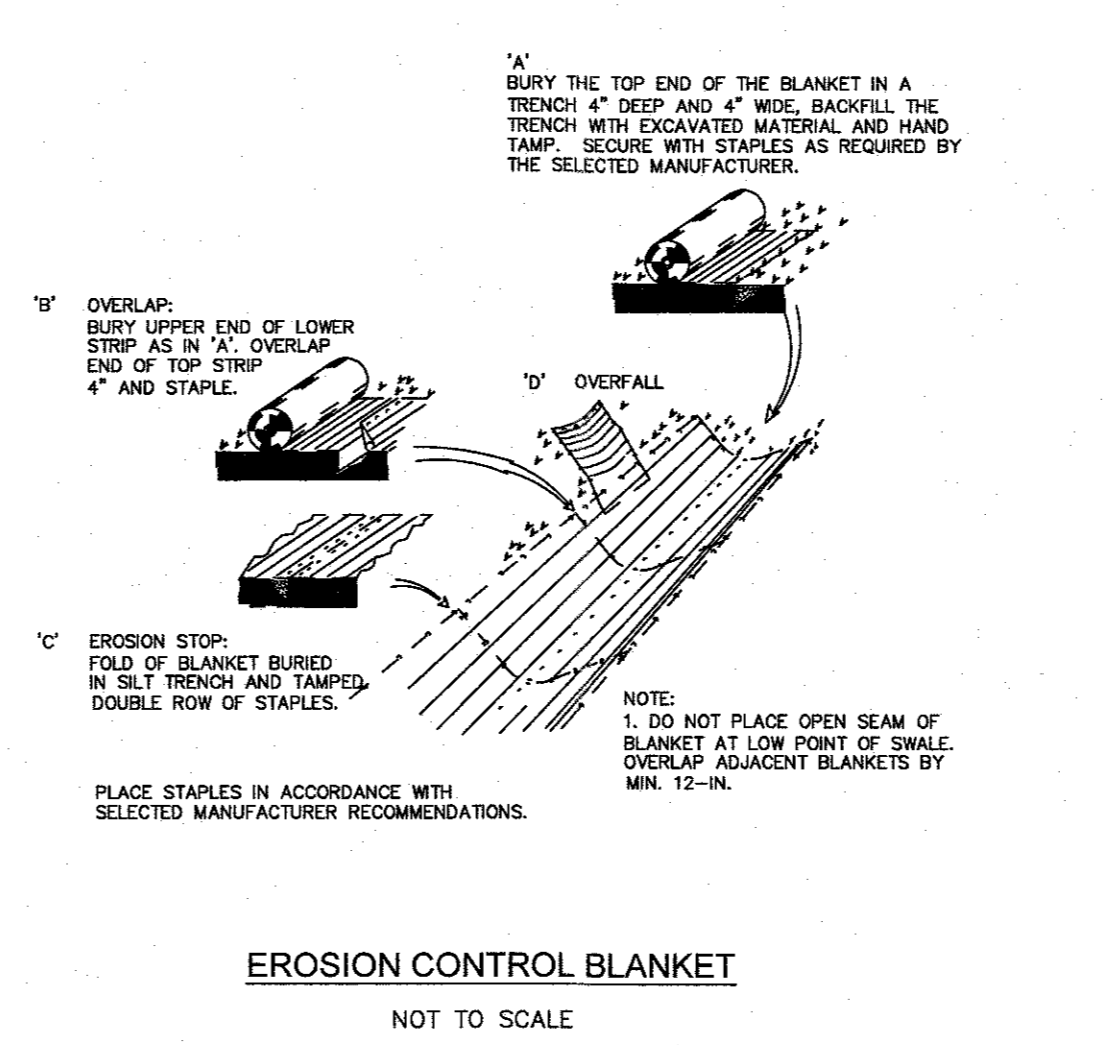
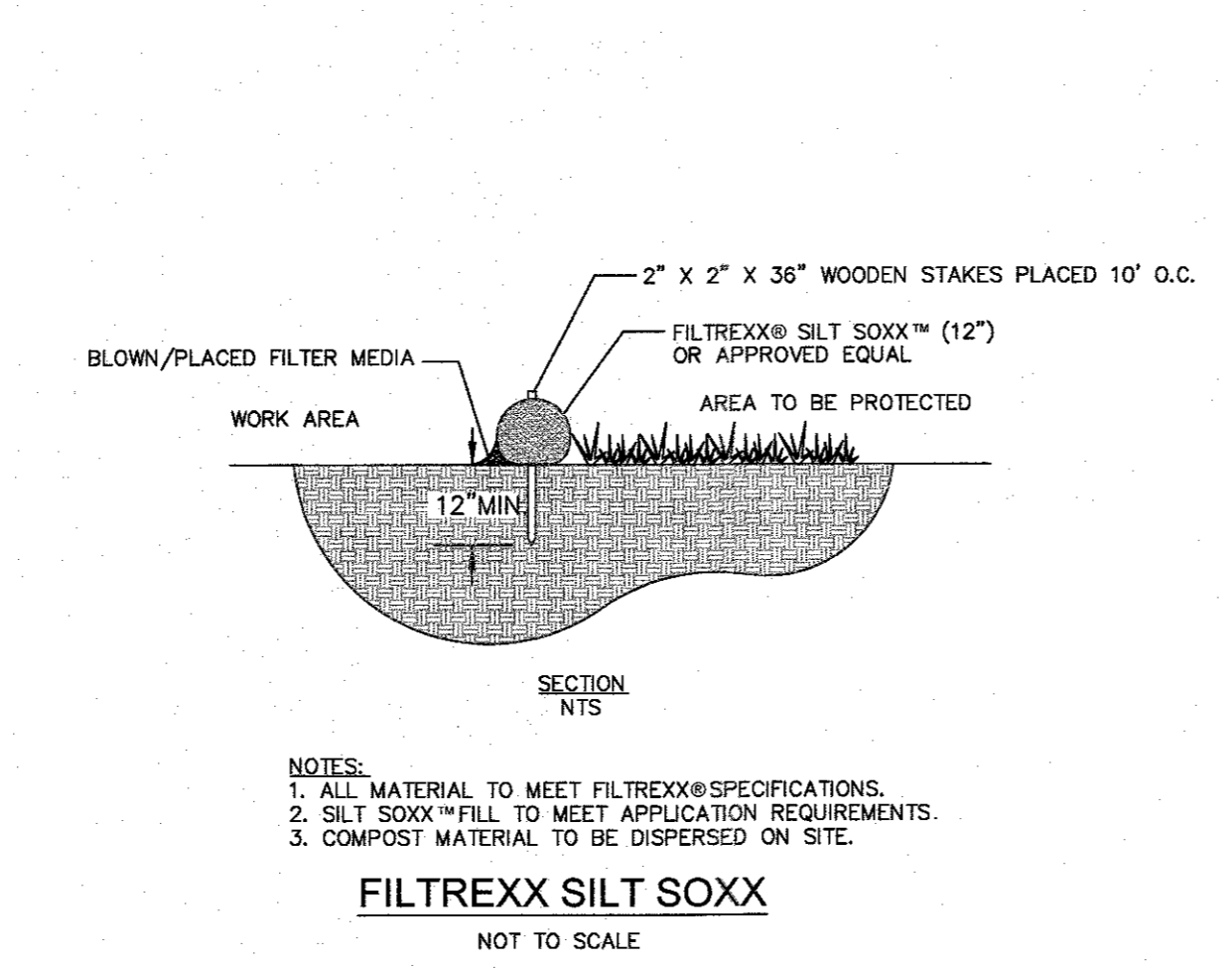
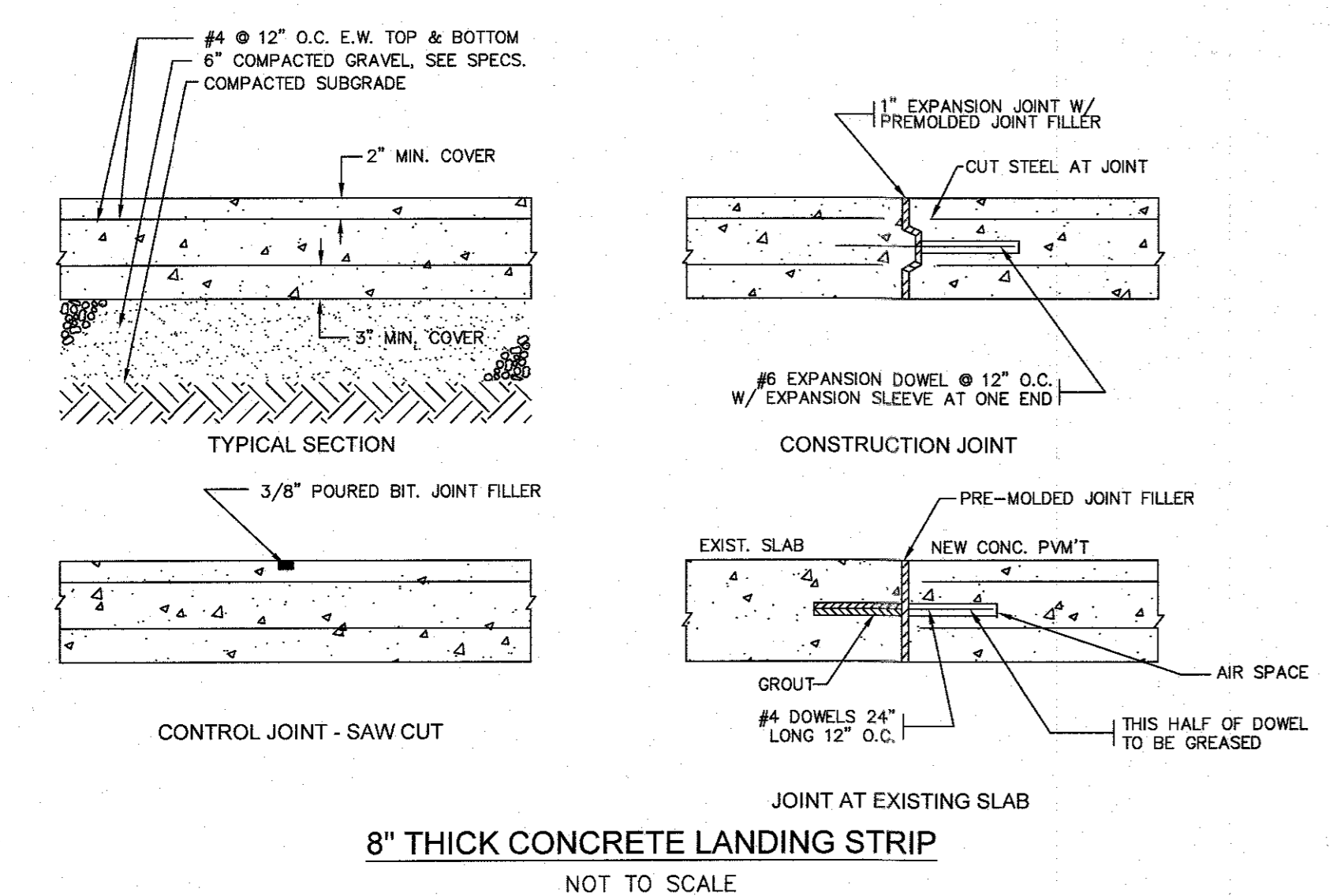
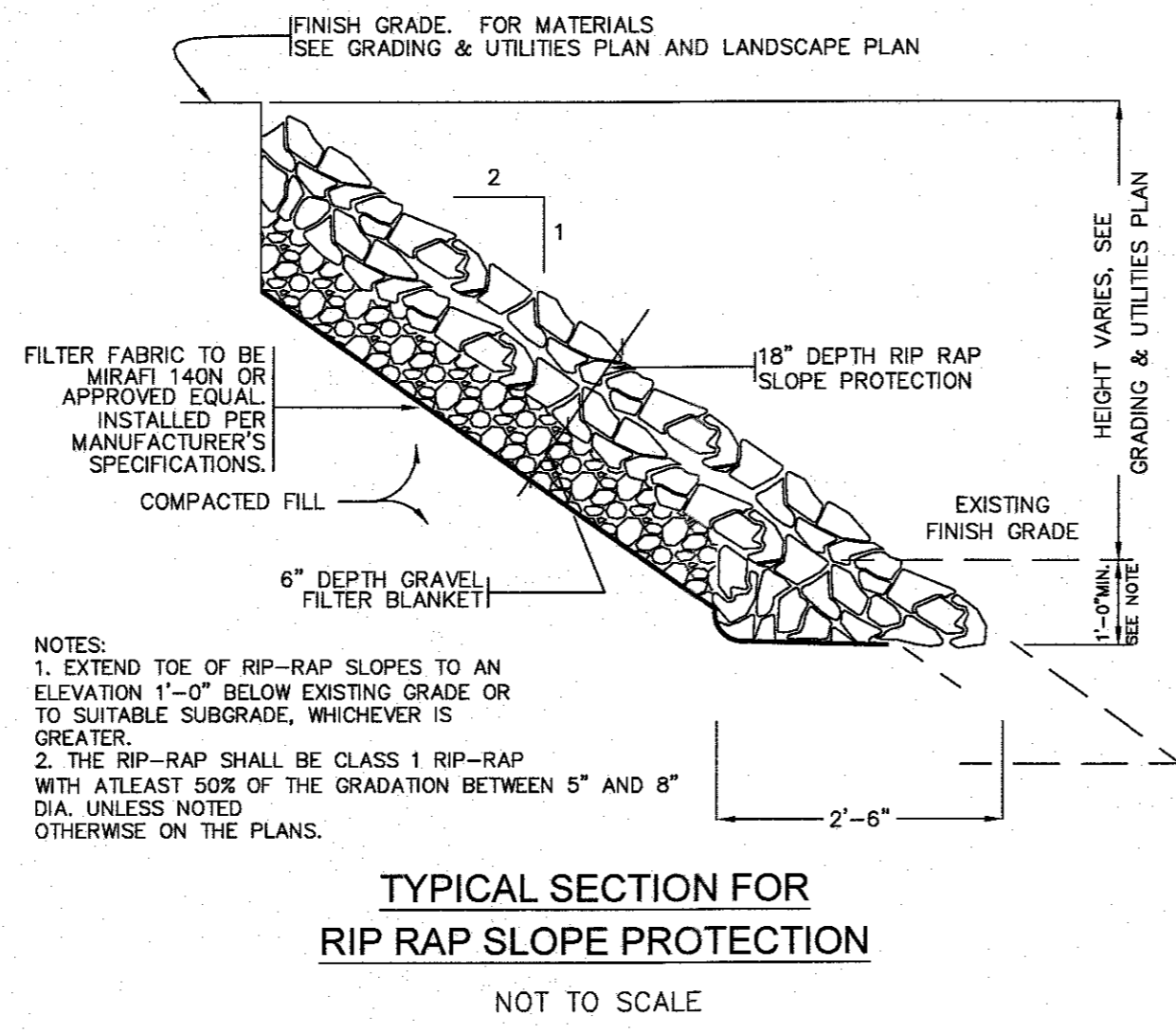
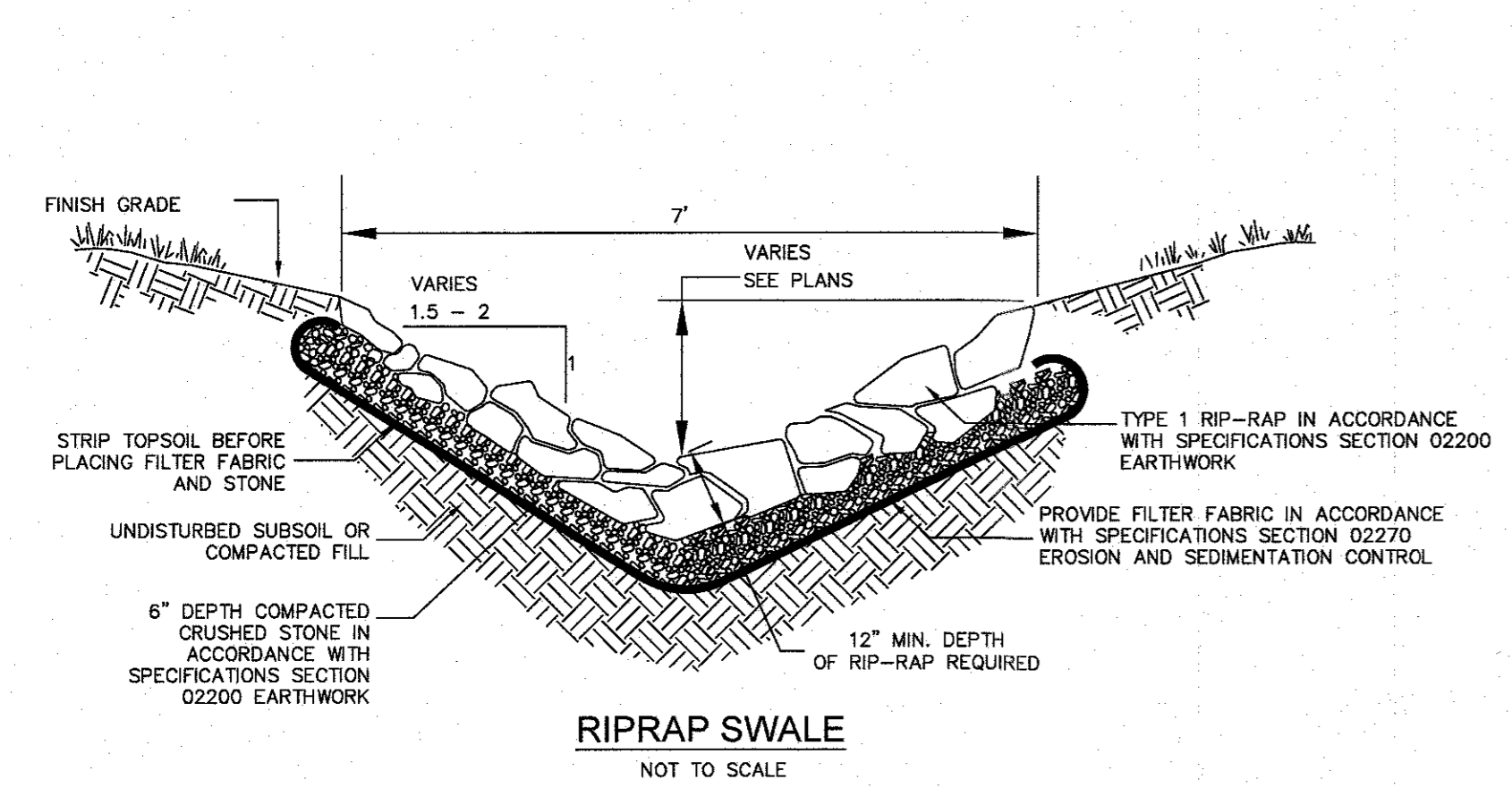
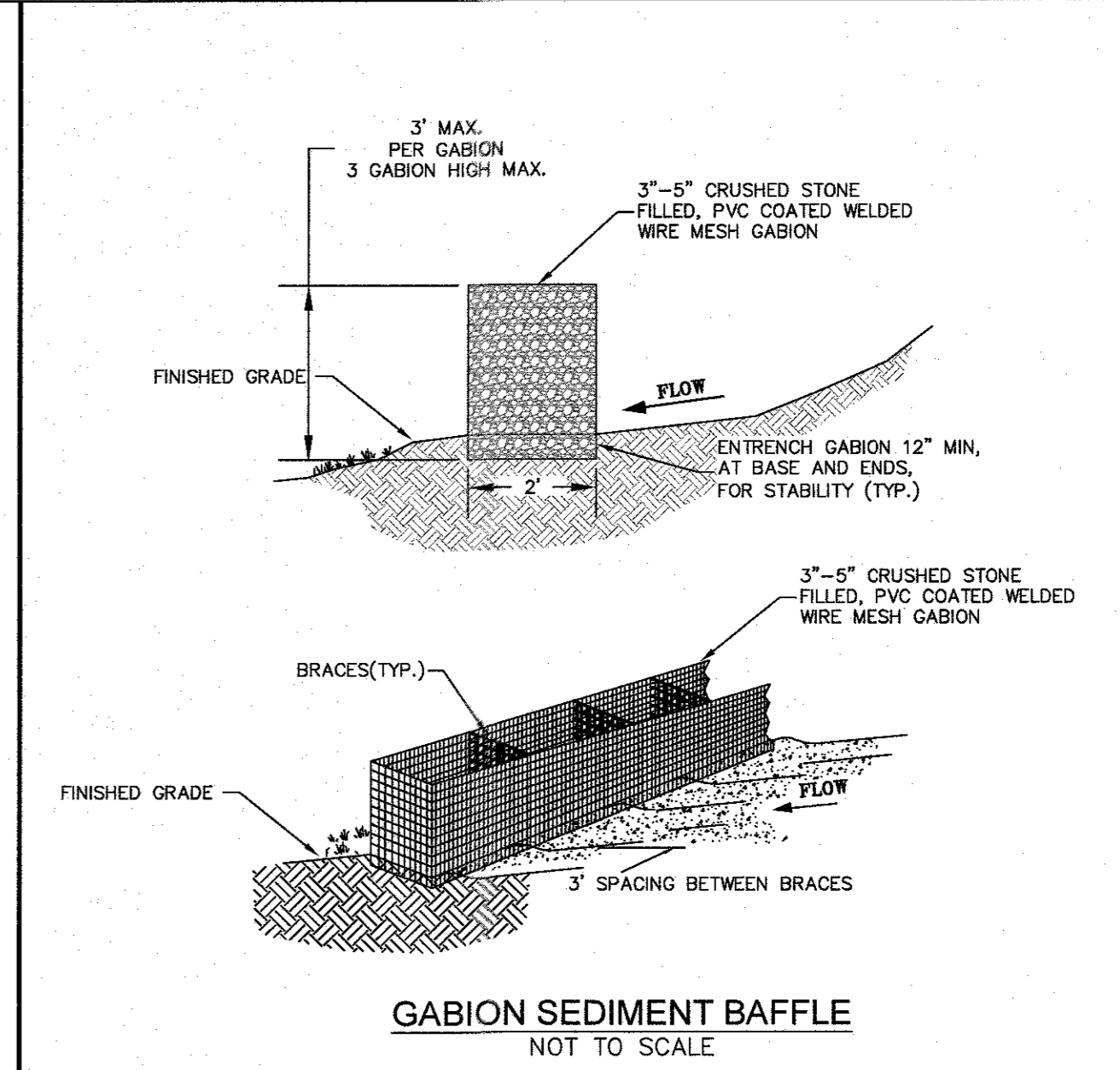
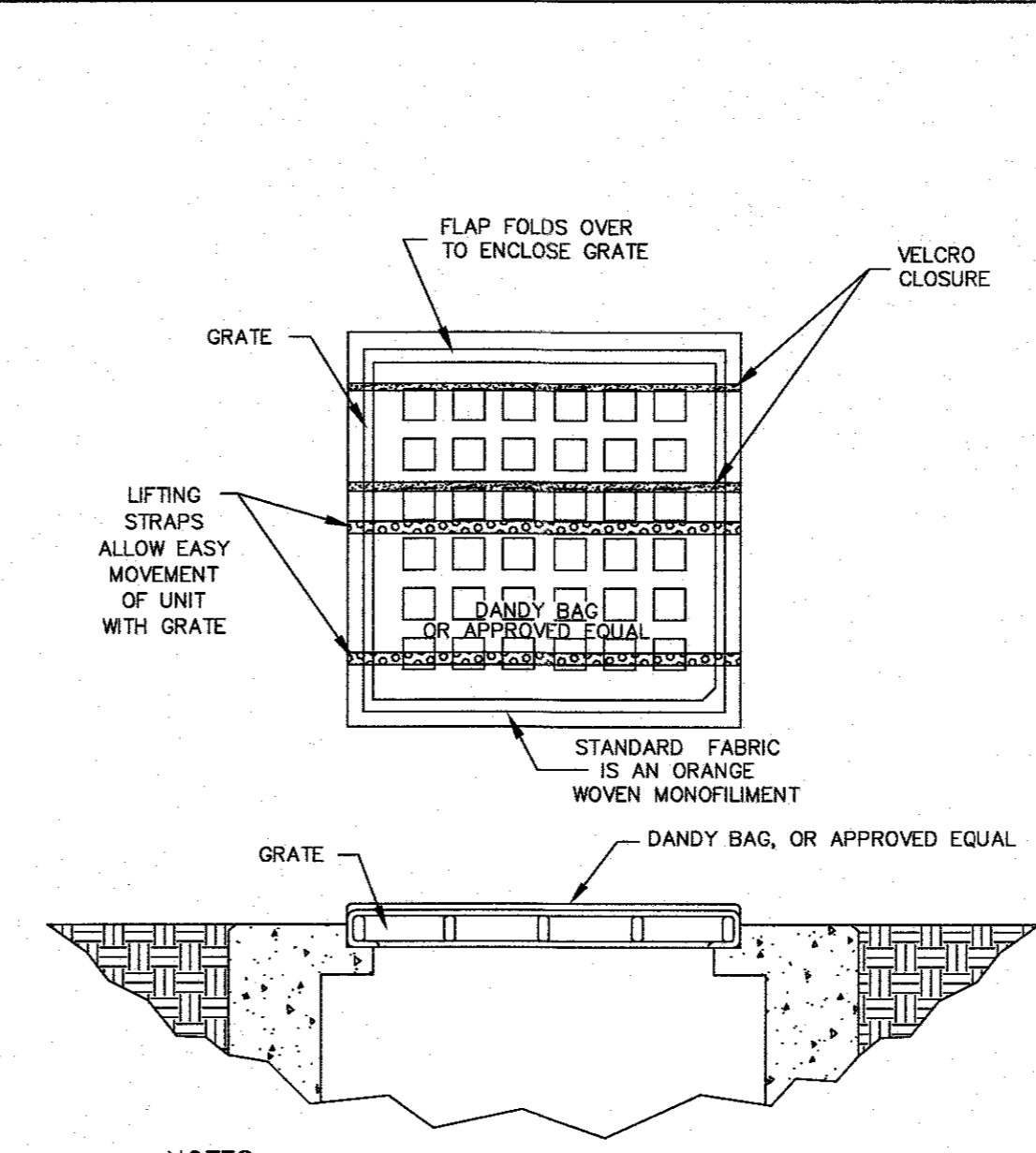
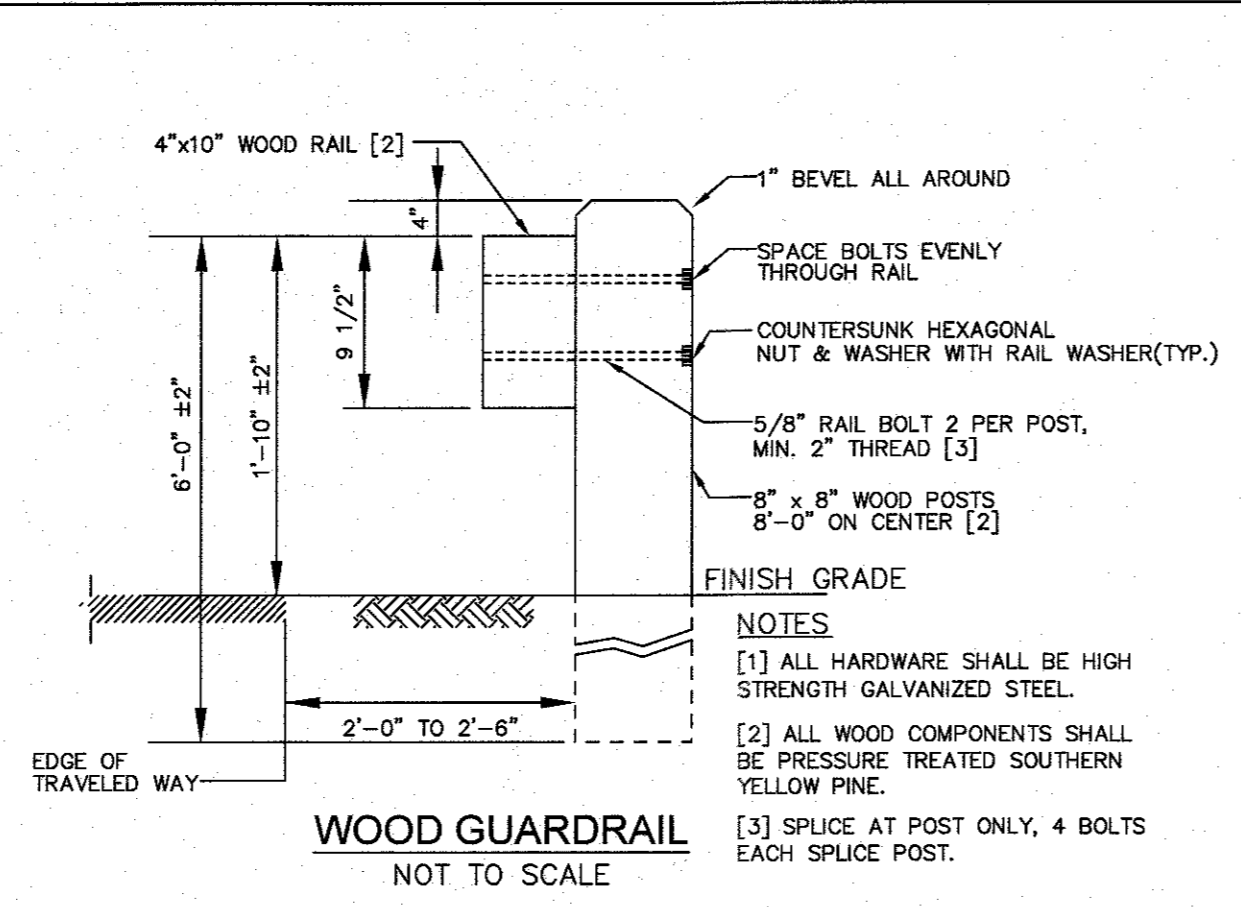
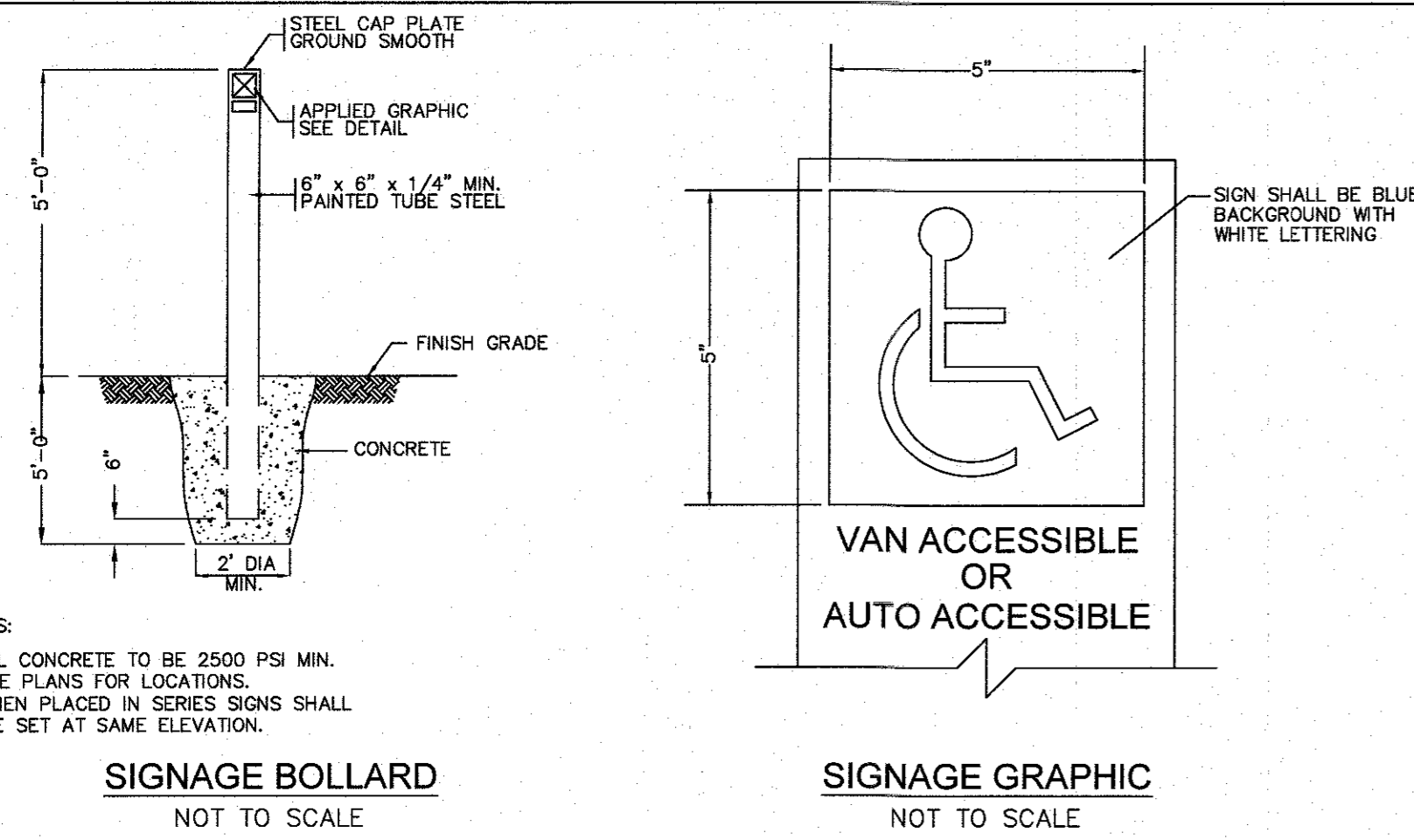
**LEVEL DESIGN GROUP**  
Civil Engineers & Land Surveyors  
249 SOUTH STREET, UNIT 1  
PLAINVILLE, MA 02762  
TEL. (508) 686-2221 FAX. (508) 686-2219

**TYPICAL DETAILS**

**C-6.0**

SHEET 7 OF 9

**2081.00**



| NO | DATE       | REVISIONS           |
|----|------------|---------------------|
| 1  | 10/17/2023 | RESOURCE AREA FLAGS |
| 2  | 11/22/2023 | REVIEW COMMENTS     |

DATE: JANUARY 13, 2023  
DRAWN: AH/DRG  
SCALE: AS NOTED

**LIBERTY PARKING EXPANSION**

MAP SHEET 320, PARCEL 004  
15 LIBERTY WAY  
FRANKLIN, MASSACHUSETTS

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249 SOUTH STREET, UNIT 1  
PLAINVILLE, MA 02762  
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**TYPICAL DETAILS**

**C-6.1**  
SHEET 8 OF 9

**2081.00**











