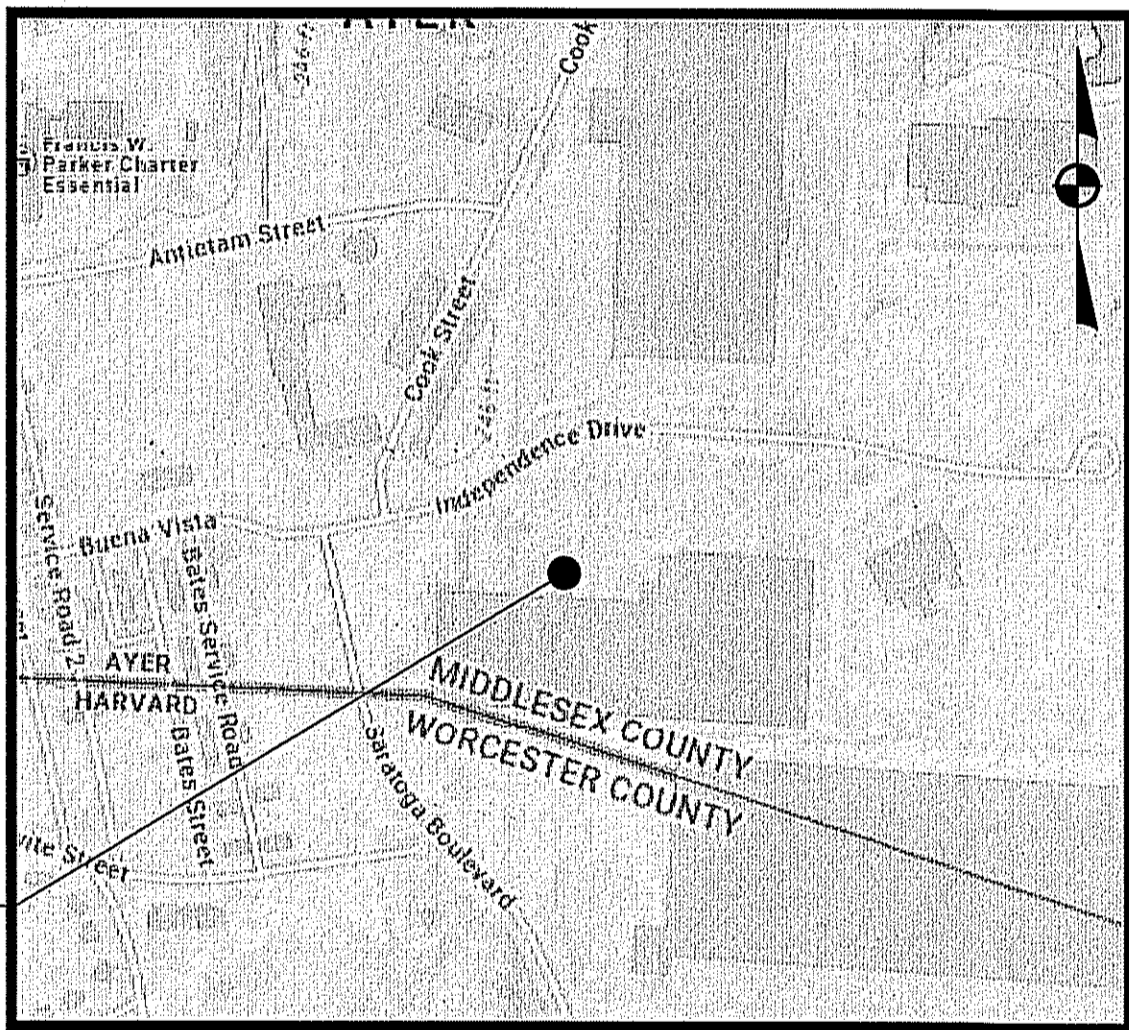


# Level 2 Unified Permit Application Documents

July 3, 2025

## SMC Ltd. Expansion & Addition

18 Independence Drive (Parcel ID#026.0-0013-0600.0)  
Devens, Massachusetts 01434



SCALE: 1"=500' ±

**Applicant:**  
SMC Limited  
18 Independence Drive  
Devens, MA 01434  
(978) 422-6800

**Owner:**  
Mack Devens Development, LLC.  
330 SMC Drive  
Somerset, WI 54025  
(715) 247-3500

**Construction Manager:**  
McCarty Associates, Inc.  
42 Tucker Drive  
Leominster, MA 01453  
(978) 534-8727

**Civil Engineer/Landscape Architect:**  
McCarty Engineering, Inc.  
42 Tucker Drive  
Leominster, MA 01453  
(978) 534-1318

**Surveyor:**  
Tauper Land Survey, Inc.  
701 Main Street  
Oxford, MA 01537  
(508) 987-2266

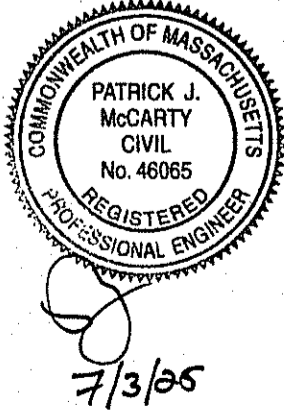
**Architect:**  
J. Ferrera Associates, Inc.  
2 Fern Lane  
Sterling, MA 01564  
(978) 407-8848

APPROVED BY THE DEVENS  
ENTERPRISE COMMISSION  
DATE: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
DEVENS ENTERPRISE COMMISSION CHAIRMAN

OWNER  
MACK DEVENS  
DEVELOPMENT, LLC.  
330 SMC DRIVE  
SOMERSET, WI 54025

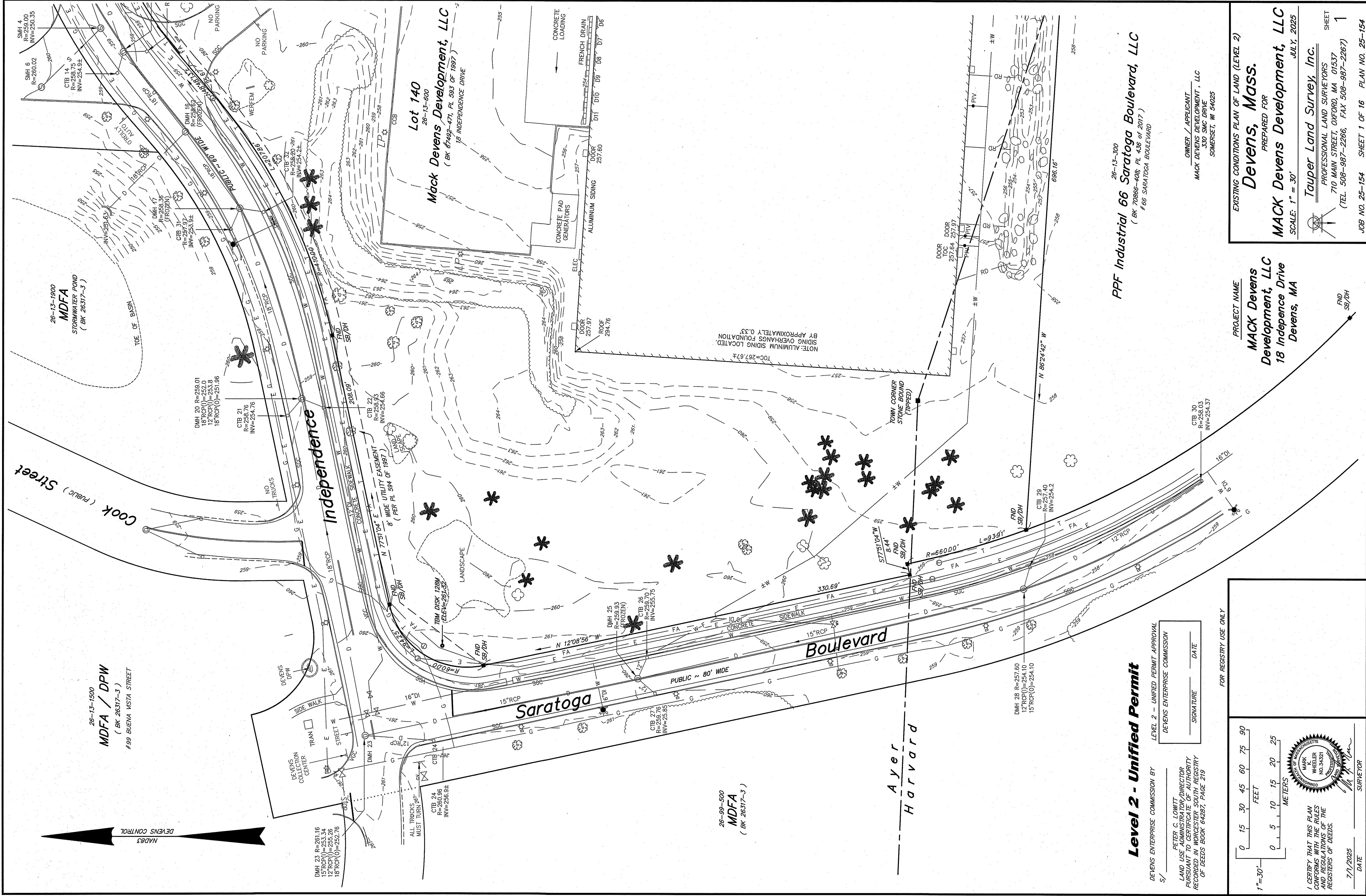
Sheet No.	Sheet Title				
	Cover Sheet				
1	Existing Conditions Plan (1 of 2)	10	Truck Turning Plan	A-201	Overall Main Floor Plan
2	Existing Conditions Plan (2 of 2)	11	Fire Truck Turning Plan	A-203	Enlarged Area "B" Floor Plan
3	Erosion Control Notes	12	Construction Details	A-301	Exterior Elevations
4	Demolition & Erosion Control Plan	13	Construction Details		
5	Layout & Materials Plan	14	Construction Details		
6	Grading, Drainage & Utility Plan	15	Construction Details		
7	Landscape Plan	16	Stormtech Detail Sheet		
8	Landscape Maintenance Plan				
9	Lighting Plan				



Project Name  
Mack Devens  
Development, LLC.  
18 Independence Drive  
Devens, MA

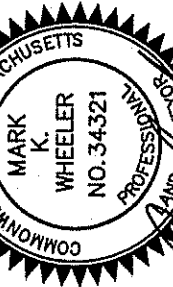
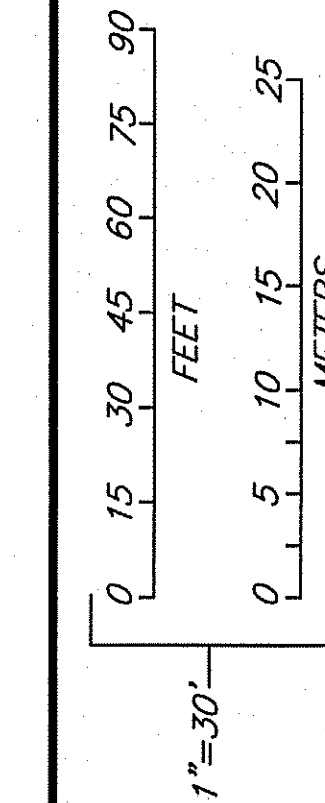
Sheet Title  
Cover  
Sheet

Job No: 127.01.001  
File Name: 127.01.001P-CCV01  
Date: July 3, 2023



Level 2 - Unified Permit

DEVENS ENTERPRISE COMMISSION BY \_\_\_\_\_ LEVEL 2 - UNIFIED PERMIT APPROVAL  
S/ \_\_\_\_\_ DEVENS ENTERPRISE COMMISSION  
PETER C. LOWITT  
LAND USE ADMINISTRATOR/DIRECTOR  
PURSUANT TO CERTIFICATE OF AUTHORITY  
RECORDED IN WORCESTER SOUTH REGISTRY  
OF DEEDS BOOK 64287, PAGE 219  
SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_



I CERTIFY THAT THIS PLAN  
CONFORMS WITH THE RULES  
AND REGULATIONS OF THE  
REGISTERS OF DEEDS.

7/1/2025 DATE  
SURVEYOR

FOR REGISTRY USE ONLY

PROJECT NAME  
**MACK Devens**  
**Development, LLC**  
**18 Independence Drive**  
**Devens, MA**

EXISTING CONDITIONS PLAN OF LAND (LEVEL 2)  
**Devens, Mass.**

PREPARED FOR  
**MACK Devens Development, LLC**  
SCALE: 1" = 30'

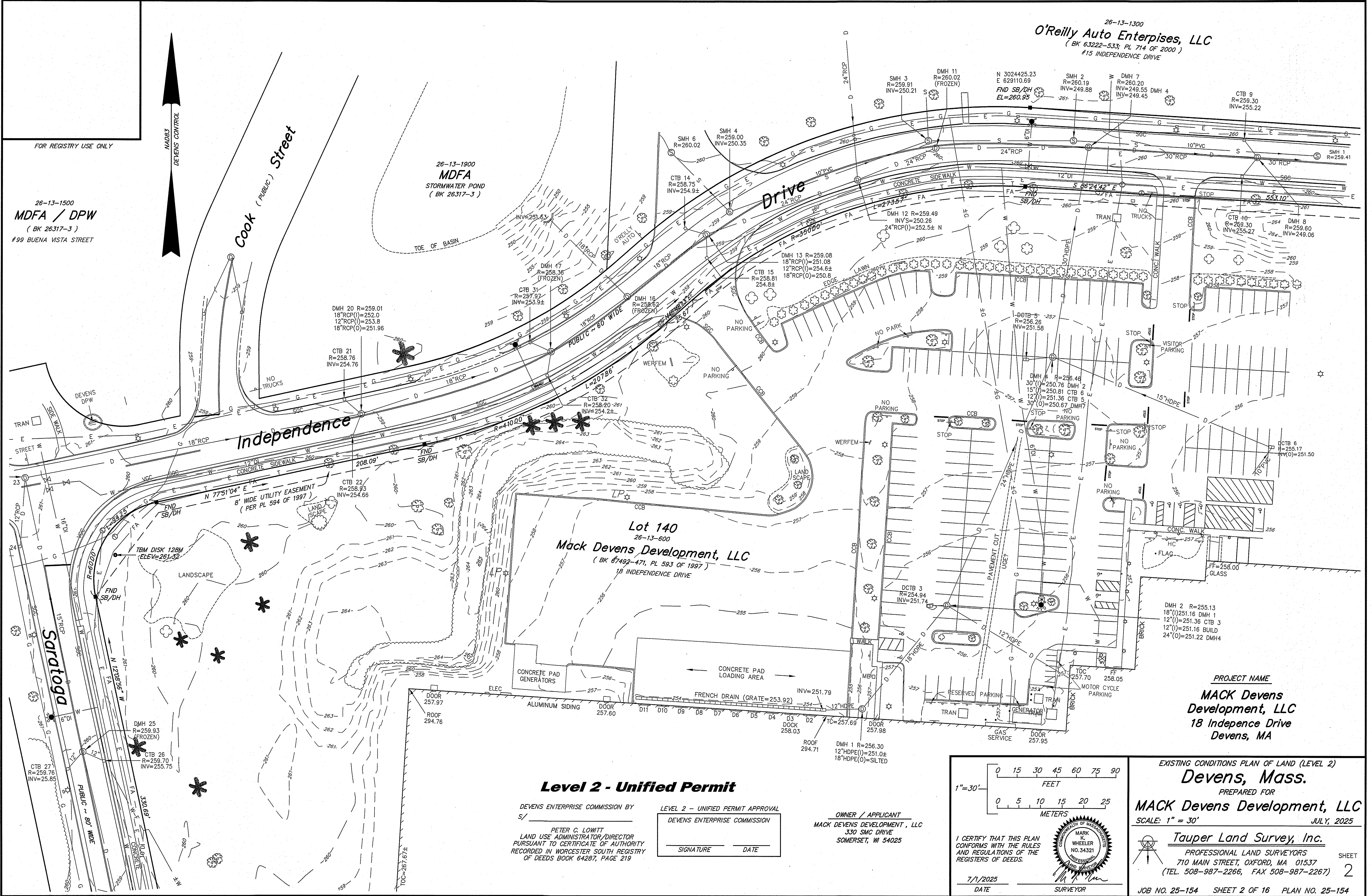
**Tauper Land Survey, Inc.**

PROFESSIONAL LAND SURVEYORS  
710 MAIN STREET, OXFORD, MA 01537  
(TEL. 508-987-2266, FAX 508-987-2267)

JULY, 2025  
SHEET 1  
JOB NO. 25-154 SHEET 1 OF 16 PLAN NO. 25-154

OWNER / APPLICANT  
**MACK DEVENS DEVELOPMENT, LLC**  
330 SMC DRIVE  
SOMERSET, WI 54025

**PPF Industrial 66 Saratoga Boulevard, LLC**  
(BK 70866-408, PL 438 of 2017)  
#66 SARATOGA BOULEVARD



26-13-1300  
**O'Reilly Auto Enterprises, LLC**  
(BK 63222-533, PL 714 OF 2000)  
#15 INDEPENDENCE DRIVE

FOR REGISTRY USE ONLY

26-13-1500  
**MDFA / DPW**  
(BK 26317-3)  
#99 BUENA VISTA STREET

26-13-1900  
**MDFA**  
STORMWATER POND  
(BK 26317-3)

**Lot 140**  
26-13-600  
**Mack Devens Development, LLC**  
(BK 67492-471, PL 593 OF 1997)  
18 INDEPENDENCE DRIVE

**PROJECT NAME**  
**MACK Devens Development, LLC**  
18 Independence Drive  
Devens, MA

**Level 2 - Unified Permit**

DEVENS ENTERPRISE COMMISSION BY  
S/ \_\_\_\_\_  
PETER C. LOWITT  
LAND USE ADMINISTRATOR/DIRECTOR  
PURSUANT TO CERTIFICATE OF AUTHORITY  
RECORDED IN WORCESTER SOUTH REGISTRY  
OF DEEDS BOOK 64287, PAGE 219

LEVEL 2 - UNIFIED PERMIT APPROVAL  
DEVENS ENTERPRISE COMMISSION  
SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

OWNER / APPLICANT  
MACK DEVENS DEVELOPMENT, LLC  
330 SMC DRIVE  
SOMERSET, WI 54025

1"=30'

0 15 30 45 60 75 90  
FEET

0 5 10 15 20 25  
METERS

I CERTIFY THAT THIS PLAN  
CONFORMS WITH THE RULES  
AND REGULATIONS OF THE  
REGISTERS OF DEEDS.

7/1/2025  
DATE

**MARK WHEELER**  
NO. 34321  
PROFESSIONAL  
LAND SURVEYOR

SURVEYOR

EXISTING CONDITIONS PLAN OF LAND (LEVEL 2)  
**Devens, Mass.**  
PREPARED FOR  
**MACK Devens Development, LLC**  
SCALE: 1" = 30'  
JULY, 2025

**Tauper Land Survey, Inc.**  
PROFESSIONAL LAND SURVEYORS  
710 MAIN STREET, OXFORD, MA 01537  
(TEL. 508-987-2266, FAX 508-987-2267)

SHEET  
2

JOB NO. 25-154 SHEET 2 OF 16 PLAN NO. 25-154

NOTE: DURING AND AFTER THE CONSTRUCTION PERIOD, THE RESPONSIBLE PARTY FOR THE OPERATION AND MAINTENANCE OF THE SITE WILL BE THE PROPERTY OWNER / APPLICANT.

#### PROJECT DESCRIPTION

THE SITE CONTAINS APPROXIMATELY 21.6 ACRES OF LAND. THE PROPOSED ADDITION IS APPROXIMATELY 60,214 SQUARE FOOT (FOOTPRINT) ALONG WITH ASSOCIATED PARKING, LANDSCAPING AND UTILITIES. THE TOTAL DISTURBED AREA IS APPROXIMATELY 4.8 ACRES.

#### CONSTRUCTION PROCESS

A SIGN FOR ALL JOB NOTICES MUST BE POSTED CONSPICUOUSLY NEAR THE MAIN CONSTRUCTION ENTRANCE TO THE SITE. BEFORE CONSTRUCTION BEGINS, SILTATION CONTROL BARRIERS CONSISTING OF SILT FENCING ATTACHED TO WOOD POSTS AND BACKED BY STAKED STRAW WATTLES WILL BE PLACED BETWEEN THE DISCHARGE AREA OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SUCH MEASURES MUST BE DESIGNED AND INSTALLED IN COMPLIANCE WITH APPLICABLE FEDERAL, STATE OR LOCAL REQUIREMENTS.

THE CONTRACTOR WILL RECORD:

- 1) DATES WHEN MAJOR GRADING ACTIVITIES OCCUR;
- 2) DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE; AND
- 3) DATES WHEN STABILIZATION MEASURES ARE INITIATED.

THE TIME OF CONSTRUCTION REQUIRING THE MOST ATTENTION AND CARE OCCURS DURING THE STRIPPING OF NATURAL OVERBURDEN AND THE STABILIZATION OF CONSTRUCTION AREAS. CUT AND FILL AREAS CREATE ADDITIONAL RISK BY INCREASING THE POSSIBILITY OF STORMWATER RUNOFF CAUSING EROSION.

THE CONTRACTOR WILL, AS MUCH AS POSSIBLE, LEAVE NATURAL COVER UNTOUCHED. THE CONTRACTOR WILL LIMIT TO THE SHORTEST TIME POSSIBLE THE TIME THAT SLOPES ARE EXPOSED. THE SLOPE STABILIZATION WILL BE COMPLETED AS EARLY AS CONSTRUCTION ACTIVITIES WILL ALLOW. DURING THE TIME BETWEEN CLEARING AND LANDSCAPING, SLOPES WILL BE STABILIZED WITH A COMBINATION OF RIP-RAP, STRAW MULCH, TEMPORARY GRASS SEEDING AND OTHER MEASURES AS NECESSARY TO PREVENT ANY SIGNIFICANT EROSION OF SOILS.

WHEN NECESSARY, THE CONTRACTOR SHALL IMPLEMENT STRUCTURAL PRACTICES TO DIVERT FLOWS FROM EXPOSED SOILS, RETAIN/DETAIN FLOWS, OR OTHERWISE LIMIT RUNOFF AND THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SUCH MEASURES MUST BE DESIGNED AND INSTALLED IN COMPLIANCE WITH APPLICABLE FEDERAL, STATE OR LOCAL REQUIREMENTS.

ALL SOLID MATERIALS SUCH AS WASHINGS FROM CONCRETE TRUCKS, BUILDING MATERIALS, OR SURPLUS CONCRETE, SHALL NOT BE DIRECTED TO ANY DRAINAGE SYSTEM OR WETLAND RESOURCE AREA. IN CONJUNCTION WITH THE SITE GRADING PROCESS, A NUMBER OF SEDIMENTATION CONTROL PROCEDURES WILL BE FOLLOWED. THE OBJECT OF THE PROCEDURES IS TO PREVENT THE EROSION OF SOILS AND THE TRANSPORT OF SEDIMENTS TO THE RESOURCE AREAS AND OFF THE SITE.

THE PROPONENT SHALL MEET THE US EPA CONSTRUCTION GENERAL PERMIT REQUIREMENTS.

#### STABILIZATION

TEMPORARY AND PERMANENT STABILIZATION OF DISTURBED SURFACES IS THE MOST RELIABLE METHOD OF PREVENTING THE EROSION AND TRANSPORT OF SITE SOILS TOWARD THAT END. THE AREAS THAT ARE DISTURBED WILL BE PROVIDED TEMPORARY STABILIZATION WITHIN TWO WEEKS AFTER THE LAST DISTURBANCE WHEN:

- 1) WORK IS NOT COMPLETE IN THAT AREA;
- 2) WORK WILL REMAIN INCOMPLETE FOR A PERIOD OF TWO WEEKS OR MORE; AND
- 3) THE PLANTING SEASON HAS NOT BEEN REACHED IN AREAS WHICH WILL BE RE-VEGETATED.

PERMANENT STABILIZATION WILL TAKE PLACE WHEN:

- 4) WORK IS COMPLETE IN THAT AREA AND
- 5) THE PLANTING SEASON HAS BEEN REACHED AND AREAS CAN BE REVEGETATED.

#### BEST MANAGEMENT PRACTICES EMPLOYED

TO GUARD AGAINST THE TRANSPORT OF SOILS TO RESOURCE AREAS, SEVERAL BEST MANAGEMENT PRACTICES (BMPs) WILL BE EMPLOYED. SILTATION CONTROL BARRIERS, SEDIMENT SUMPS, STRAW CHECK DIKES, SWALES, TEMPORARY SETTLING BASINS, VEGETATIVE FILTER STRIPS, SITE ENTRANCE MAT, RIP-RAP OUTLET PROTECTION, FLOWMETERS, JUTE MESH OR OTHER BIOMEDIA, WILL OR MAY BE USED ON THIS SITE AS APPROPRIATE TO THE NEEDS OF EROSION CONTROL. SOME OF THESE ITEMS, SUCH AS SEDIMENT SUMPS, ARE TEMPORARY. OTHER FEATURES, SUCH AS CATCH BASINS AND AREA DRAINS ARE PERMANENT.

SEDIMENT FROM SEDIMENT TRAPS OR SEDIMENTATION PONDS MUST BE REMOVED WHEN DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT.

#### SOILS

BASED ON NORS WEB SOIL SURVEY THE PROJECT AREA CONTAINS CHARLTON-HOLLIS ROCK OUTCROP, WINDSOR LOAMY SAND, AND UDORTHENS.

#### INSPECTION AND MAINTENANCE OF EROSION CONTROLS

1) AT ALL TIMES, SILTATION FABRIC FENCING, STAKES AND FILTER SOCKS SUFFICIENT TO CONSTRUCT AN EROSION CONTROL BARRIER A MINIMUM 100 FEET LONG WILL BE STOCKPILED ON THE SITE IN ORDER TO REPAIR ESTABLISHED BARRIERS THAT MAY HAVE BEEN DAMAGED OR BREACHED.

2) THE APPLICANT WILL DESIGNATE AN INSPECTOR, A PERSON OR ENTITY OTHER THAN THE SITE CONTRACTOR MUST BE ACCESSIBLE SEVEN DAYS A WEEK AND BE RESPONSIBLE FOR INSPECTING AND COORDINATING THE MAINTENANCE AND REPAIR OF ALL EROSION CONTROL SYSTEMS ON THE SITE.

3) AN INSPECTION OF ALL EROSION CONTROL MEASURES SHALL BE CONDUCTED BY THE INSPECTOR AT LEAST ONCE EACH WEEK UNTIL THE COMPLETION OF CONSTRUCTION OF THE PROJECT. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL SYSTEMS DAILY AND SHALL NOTIFY THE INSPECTOR OF ANY BREACHES OR FAILURES. IN CASE OF ANY NOTED BREACH OR FAILURE, THE CONTRACTOR SHALL IMMEDIATELY MAKE APPROPRIATE REPAIRS.

4) THE INSPECTOR SHALL INSPECT ALL EROSION CONTROL SYSTEMS ON THE SITE BEFORE, DURING AND AFTER ANY STORM EVENT REACHING ONE OF THE FOLLOWING THRESHOLDS:

- a) ANY STORM EVENT IN WHICH RAIN IS PREDICTED TO LAST FOR 12 CONSECUTIVE HOURS OR MORE;
- b) ANY STORM EVENT FOR WHICH A FLASH FLOOD WATCH OR WARNING IS ISSUED;
- c) ANY SINGLE STORM EVENT PREDICTED TO HAVE A CUMULATIVE RAINFALL GREATER THAN 1/2 INCH; OR
- d) ANY STORM EVENT NOT MEETING THE PREVIOUS THREE THRESHOLDS BUT WHICH WOULD MARK THE THIRD CONSECUTIVE DAY OF MEASURABLE RAINFALL.

5) THE INSPECTOR SHALL INSPECT EROSION CONTROL MEASURES AT TIMES OF SIGNIFICANT INCREASE IN SURFACE WATER RUNOFF DUE TO RAPID THAWING WHEN THE RISK OF FAILURE OF THOSE MEASURES IS SIGNIFICANT.

6) IN SUCH INSTANCES AS REMEDIAL ACTION IS NECESSARY, THE INSPECTOR SHALL CAUSE TO BE REPAIRED WITHIN 72 HOURS, ANY AND ALL SIGNIFICANT DEFICIENCIES IN EROSION CONTROL MEASURES.

#### EROSION CONTROL DEVICES

1) CONSTRUCTION ENTRANCE BERM  
A SITE ENTRANCE MAT WILL BE INSTALLED AT THE CONSTRUCTION ENTRANCE TO THE SITE. IT SHALL CONSIST OF A 50-FOOT LONG MINIMUM, 6-INCH THICK LAYER OF 2" TO 4" CRUSHED STONE OVERLYING A 6-INCH THICK LAYER OF 3" TO 6" CRUSHED STONE. THE SITE ENTRANCE MAT WILL BE INSTALLED OVER A COMPACTED BASE. THE CRUSHED STONE WILL BE REFRESHED AS NECESSARY.

2) EROSION CONTROL BARRIERS  
THE EROSION CONTROL BARRIERS WILL CONSIST OF AN APPROVED SILTATION FABRIC FENCING INSTALLED ON POSTS ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS AND BACKED BY STAKED UV DEGRADABLE STRAW WATTLES WHERE APPROPRIATE. THE FILTER FABRIC AND FILTER SOCKS WILL BE PLACED IN A MANNER THAT PREVENTS THE PASSAGE OF SOIL MATERIALS UNDER, AROUND OR OVER THE FENCING. ANY SEDIMENT THAT HAS BEEN CAPTURED AGAINST THE BARRIER WILL BE REMOVED PROMPTLY AND THE AREA THAT HAS AREAS OF EROSION WILL BE STABILIZED PROMPTLY.

#### EROSION CONTROL DEVICES (CONTINUED)

- 3) FILTER SOCK DIVERSION DIKES  
FILTER SOCKS WILL BE PLACED IN OTHER LOCATIONS ON THE SITE IN ORDER TO FURTHER PREVENT THE FLOW OF SEDIMENT FROM THE SITE OR REDUCE THE VELOCITY OF RUNOFF CROSSING OPEN LAND OR RUNNING OFF OF STOCKPILE OR FILL AREAS. FILTER SOCK DIVERSION DIKES WILL ALSO BE PLACED WITHIN DEVELOPING RILLS TO REDUCE SURFACE RUNOFF VELOCITIES AND TO SHIFT THE PATH OF THE FLOW. THE LOCATIONS WHERE FILTER SOCK DIVERSION DIKES ARE INSTALLED WILL BE DETERMINED IN THE FIELD AT THE INSPECTOR'S DISCRETION.
- 4) SLOPE STABILIZATION  
SLOPES OR SURFACES THAT ARE CREATED DUE TO EXCAVATION OR FILLING OF THE SITE WILL BE STABILIZED WITH ONE OR MORE OF THE FOLLOWING:
  - STRAW MULCH,
  - SOFTWOOD AND HARDWOOD CHIPS, OR
  - PERMANENT STABILIZATION OF SLOPES AND SURFACES WILL EMPLOY ONE OR MORE OF THE FOLLOWING:
    - LOAM AND GRASS,
    - SOD,
    - OR A COMBINATION OF GRASSES, JUTE NETTING AND/OR PLANTS AND SHRUBBERY.
- 5) RUNOFF DIVERSION SWALES  
RUNOFF DIVERSION SWALES WILL BE PROVIDED IN ORDER TO INTERCEPT SHEET AND CONCENTRATED FLOWS ABOVE AREAS OF CUT, ABOVE ADJUTING PROPERTIES AND ABOVE RESOURCE AREAS. THE SWALES WILL DIRECT RUNOFF TO SEDIMENT SUMPS OR TEMPORARY SETTLING BASINS OR TO DETENTION BASINS.
- 6) SEDIMENT SUMPS  
SEDIMENT SUMPS ARE EXCAVATED DEPRESSIONS 10-FOOT IN DIAMETER AND 2-FEET DEEP. THE SUMPS WILL COLLECT RUNOFF FROM THE UNFINISHED DRIVE AND SLOPES AND WILL ALLOW SEDIMENT TO SETTLE OUT BEFORE FLOW CONTINUES TO A DETENTION AREA OR SILTATION CONTROL BARRIER. SEDIMENT SUMPS WILL BE CLEANED WHENEVER THE ACCUMULATED SEDIMENT HAS REACHED ONE-HALF OF THE ORIGINAL DEPTH OF THE SUMP.
- 7) STONE-LINED SEDIMENT SUMPS  
A 10-FOOT DIAMETER, 2-FOOT DEEP, STONE-LINED SEDIMENT SUMP WILL BE INSTALLED AT ALL POINTS WHERE STORM WATER IS DISCHARGED FROM THE PIPED COLLECTION SYSTEM. THESE SUMPS WILL SERVE TO COLLECT SEDIMENT WHICH MAY ERODE FROM THE SITE DURING THE CONSTRUCTION PERIOD. SEDIMENT WILL BE REMOVED FROM A STONE-LINED SEDIMENT SUMP WHEN IT HAS REACHED ONE-HALF OF THE ORIGINAL CAPACITY.
- 8) STONE-LINED SEDIMENT SUMPS WILL BE CLEANED AND REMAIN IN PLACE AFTER PERMANENT STABILIZATION OF THE SITE HAS BEEN ACHIEVED.
- 9) TEMPORARY SETTLING BASINS  
A TEMPORARY SETTLING BASIN IS A LARGE, EXCAVATED SEDIMENT SUMP THAT HAS A STONE FACE OVERFLOW LEADING TO A SWALE OR TO A DRAINAGE INLET STRUCTURE. THE SIZE VARIES WITH THE AREA DRAINING TO IT. TEMPORARY SETTLING BASINS WILL BE CLEANED WHENEVER THE ACCUMULATED SEDIMENT HAS REACHED ONE HALF OF THEIR ORIGINAL DEPTH.
- 10) RIP-RAP OUTLET PROTECTION  
RIP-RAP OUTLET PROTECTION IS A STONE APRON BEGINNING AT A DRAINAGE SYSTEM DISCHARGE POINT AND EXTENDING DOWN THE SLOPE. THE RIP-RAP WILL SERVE TO REDUCE THE VELOCITY OF THE DISCHARGE, THEREBY PREVENTING EROSION.

THE CONTRACTOR SHALL IMPLEMENT STRUCTURAL PRACTICES TO DIVERT FLOWS FROM EXPOSED SOILS, RETAIN/DETAIN FLOWS, OR OTHERWISE LIMIT RUNOFF AND THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SUCH MEASURES MUST BE DESIGNED AND INSTALLED IN COMPLIANCE WITH APPLICABLE FEDERAL, STATE OR LOCAL REQUIREMENTS.

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#### EROSION CONTROL DEVICES

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2) EROSION CONTROL BARRIERS  
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#### SPILL CONTROL PRACTICES

ALL OF THE MANUFACTURERS RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE INFORMED OF THE NECESSARY PROCEDURES AND THE LOCATION OF THE CLEANUP SUPPLIES. MATERIALS AND THE EQUIPMENT NECESSARY FOR CLEANING A SPILL WILL BE KEPT ON SITE IN A DESIGNATED AREA. EXAMPLES OF CLEANING EQUIPMENT ARE: SHOVELS, RAKES, WHEEL BARROWS, BROOMS, DUST PANS, MOPS, RAGS, SAFETY GLOVES AND EYE WEAR, ABSORBENT FOAMS, SAND, SAWDUST, AND PLASTIC OR METAL BINS DESIGNATED FOR SPILL CLEANUP. AFTER DISCOVERY, ALL SPILLS WILL BE REMOVED AS SOON AS POSSIBLE.

#### REPORTING

REPORTABLE SPILLS, TOXIC OR HAZARDOUS (10 GALLONS OR MORE FOR PETROLEUM), MATERIAL WILL BE REPORTED TO THE MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION, BUREAU OF WASTE SITE CLEANUP CENTRAL REGIONAL OFFICE, 8 NEW BOND STREET, WORCESTER, MA 01608-PH-608-792-7653. THE SUPERINTENDING WILL BE RESPONSIBLE FOR SPILL PREVENTION AND CLEANUP COORDINATOR AND SUPERVISOR. THE CONSTRUCTION SUPERVISOR IS RESPONSIBLE FOR EDUCATING THE CONSTRUCTION PERSONNEL OF THE PROTOCOL IN THE EVENT OF A SPILL.

COPIES OF ANY SPILL REPORTS SHALL BE SENT TO D.E.C. AS THE LOCAL BOARD OF HEALTH.

#### NON STORAGE DISCHARGES

THE FOLLOWING NON-STORMWATER DISCHARGES ARE EXPECTED AS PART OF THE PROPOSED PROJECT DURING THE CONSTRUCTION PHASE:

- WATER FROM UTILITY FLUSHING AND DUST CONTROL. PAVEMENT WASH WATER, WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED, UNCONTAMINATED GROUNDWATER DURING THE DEWATERING EXCAVATIONS.
- NON-STORMWATER DISCHARGES WILL BE DIRECTED TO VEGETATED SURFACES AND OR TEMPORARY SETTLING BASINS PRIOR TO DISCHARGE TO WETLANDS AND/OR WATERWAYS.

#### SEQUENCE OF INSTALLATION AND CONSTRUCTION

PRIOR TO THE START OF EARTH-MOVING ACTIVITIES, THE SEDIMENT CONTROL BARRIERS SHALL BE INSTALLED ALONG THE LIMIT OF WORK AS SHOWN ON THE SITE PLANS.

#### CONSTRUCTION ACCESS

AT EACH CONSTRUCTION ENTRANCE, A STONE ENTRANCE MAT SHALL BE INSTALLED TO REMOVE SOIL MATERIAL FROM THE EQUIPMENT TIRES. ANY OTHER BARE CONSTRUCTION ROUTES OR EQUIPMENT STAGING AREAS SHALL BE STABILIZED WITH GRAVEL, WOOD SHEDS OR TEMPORARY VEGETATION. ANY TRACKING OF SEDIMENT ONTO SURROUNDING STREETS SHALL BE IMMEDIATELY SWEEPED.

#### LAND CLEARING AND GRADING

SLOPE STABILIZATION TO FOLLOW 974 CMR 3.04

TO THE EXTENT PRACTICABLE, CLEARING, GRUBBING AND STRIPPING SHALL BE LIMITED. WHENEVER PRACTICAL EXISTING STRIPS OF VEGETATIVE COVER WILL BE PRESERVED BETWEEN CLEARED AREAS AND RESOURCE AREAS TO PROVIDE RUNOFF FILTRATION. ALL SLOPES SHALL BE BROUGHT TO FINISH GRADE AND STABILIZED AS SOON AS POSSIBLE. SLOPES BETWEEN 1:1 AND 2:1 STEEPNESS SHALL BE FOLLOW THE FOLLOWING PROCESS: ONCE THE GRADE OF THIS SLOPE HAS BEEN ESTABLISHED, 4" OF LOAM SHALL BE READ ON TOP OF THE SLOPE AND TRACKED VERTICALLY. ONCE THE LOAM HAS BEEN TRACKED, THE SOIL SHALL BE MODIFIED IN A THREE-STEP PROCESS.  
STEP ONE- SLOPE SHALL BE SPRAYED WITH AGRICULTURAL LIME AT A RATE OF 8,668 LB/AC.

STEP TWO- "PROGNACS" A BIOTIC SOIL MEDIA SHALL BE APPLIED TO THE SLOPE AT A RATE OF 3,500 LB/AC. ALONG WITH:

- "NEUTRALIME" AT A RATE OF 240 LB/AC
- "JUMSTART" AT A RATE OF 1.25 GAL/AC,
- "BIOPRIME" SHALL BE APPLIED AT A RATE OF 40 LB/AC
- 50% OF THE SLOPE SEED MIX

STEP THREE- THE SLOPE SHALL BE SPRAYED WITH "FLEXITERRA HP-FGM AT A RATE OF 4,000 LB/AC. WITHIN THE HYDROSEED TANK, MLC RECOMMENDS THE FOLLOWING:

- NITROGEN BE ADDED AT A RATE OF 104.5 LB/AC
- PHOSPHORUS BE ADDED AT A RATE OF 0.4 LB/AC
- POT ASH BE APPLIED AT A RATE OF 130.7 LB/AC.
- 50% OF THE SLOPE SEED MIX

SLOPES WHICH ARE 3:1 AND FLATTER SHALL BE STABILIZED WITH HYDROSEEDING AND/OR HAND SEEDING. ADDITIONAL RUN-OFF CONTROL MEASURES SHALL BE INSTALLED AS GRADING PROGRESSES, TO INCLUDE TEMPORARY BASINS, DIKES, AND SWALES.

#### TEMPORARY SEDIMENT BASINS AND SUMPS

AS NEEDED WITHIN CONSTRUCTION PHASES TEMPORARY SEDIMENT BASINS AND SUMPS WILL BE EXCAVATED PRIOR TO FURTHER SOIL DISTURBANCE ON THE SITE. THE BASINS SHALL INCLUDE STONE AND FILTER FABRIC. THE BASIN SLOPES AND BOTTOM SHALL BE STABILIZED WITH LOAM, SEED, AND/OR AN EROSION CONTROL PRODUCT, AND A STABILIZED EXIT SPILLWAY SHALL BE CONSTRUCTED WITH A FILTER FABRIC AND STONE APRON. TEMPORARY RISER PIPES MAY BE UTILIZED TO ALLOW RETENTION AND TREATMENT WITH CONTROLLED RELEASE OF STORMWATER RUNOFF DURING CONSTRUCTION. APPLY TEMPORARY OR PERMANENT STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS WHERE WORK IS COMPLETED OR DELAYED GREATER THAN 2 WEEKS. ANY FIBER PAPER USED FOR SLOPE STABILIZATION SHALL BE FREE OF PFAS (POLYFLUOROALKYL SUBSTANCES).

#### PARKING LOT & UTILITY CONNECTIONS

AFTER THE PARKING LOT, TEMPORARY SWALES WITH CHECK DAMS OR DIKES AND SETTLING BASINS WILL BE UTILIZED TO CONTROL RUNOFF UNTIL THE CLOSED DRAINAGE SYSTEM IS FUNCTIONAL. AFTER THE UTILITIES, INCLUDING THE CATCH BASINS HAVE BEEN INSTALLED, THE PARKING LOT WILL BE FINISH GRADED AND STABILIZED WITH A BINDER COAT OF PAVEMENT.

#### STORM WATER INFILTRATION SYSTEM

THE INFILTRATION AREA SHALL BE BROUGHT TO FINISH GRADE, STABILIZED, AND THE OUTLET STRUCTURES SHALL BE INSTALLED BEFORE THE PROPOSED BUILDING ROOF DRAINS ARE CONNECTED TO THE SYSTEM.

#### INFILTRATION

FOLLOWING THE INSTALLATION OF THE CLOSED DRAINAGE SYSTEM, DRIVEWAY PAVING, CATCH BASIN INLETS WILL BE PROTECTED WITH CATCH BASIN FILTERS.

#### BUILDING SITE PREPARATION

THE PROPOSED BUILDING CONSTRUCTION AREA WILL BE CLEARED AND GRUBBED AND STABILIZATION SHALL BE PROVIDED BETWEEN CONSTRUCTION INCREMENTS.

#### LANDSCAPING AND FINAL STABILIZATION

LANDSCAPING AND FINAL STABILIZATION IN A GIVEN AREA ANY EXPOSED SOILS WILL BE STABILIZED BY HYDROSEEDING AND OR LANDSCAPING IN ACCORDANCE WITH 974 CMR 4.08 (3).

#### CONSTRUCTION SCHEDULE

THE FOLLOWING IS A GENERAL CONSTRUCTION SEQUENCE FOR THE CONSTRUCTION OF THE SITE. THE ACTUAL SCHEDULE MAY VARY SOMEWHAT. THAT STATED IF SITE OR WEATHER CONDITIONS REQUIRE A DIFFERENT SCHEDULE AND IF SUCH CHANGE DOES NOT NEGATIVELY AFFECT THE PREVENTION OF POLLUTION, AN EXAMPLE OF A LOGICAL CHANGE TO THE SCHEDULE SHOULD BE DEVIATING FROM THE SEQUENCE BELOW TO ALLOW THE LAYING OF DRIVEWAY BERM PRIOR TO A WINTER FREEZE IN ORDER TO BETTER CONTROL THE SITE DRAINAGE.

CONSTRUCTION HOURS ARE 7 A.M. TO 6 P.M. MONDAY THROUGH FRIDAY. ALL OTHER TIMES ARE NOT EXEMPT FROM NOISE STANDARDS. APPLICANT IS REQUIRED TO NOTIFY D.E.C. AND PUBLIC SAFETY OFFICER OF ANY WEEKEND WORK IN ADVANCE.

- THE APPLICANT WILL HOLD A PRE-CONSTRUCTION MEETING WITH REPRESENTATIVES OF THE DEVENS ENTERPRISE COMMISSION, THE ENGINEER, CONTRACTOR'S EMPLOYEES AND THE INSPECTOR IN ORDER TO REVIEW PERMITS, PROCEDURES AND CONSTRUCTION METHODS.
- ESTABLISH THE SITE ENTRANCE MAT AT THE CONSTRUCTION ENTRANCE TO THE SITE.
- ESTABLISH A CONSTRUCTION STAGING AND EQUIPMENT STORAGE AREA PROTECTED AGAINST EROSION BY LINES OF STAKED STRAW WATTLES AND SILTATION FENCING.
- INSTALL THE SILTATION CONTROL BARRIERS BETWEEN THE WORK AREAS AND IN OTHER LOCATIONS AS SHOWN WITHIN THE PLAN SET. INSTALL TREE PROTECTION FENCING AS REQUIRED.
- INSTALL PERIMETER CONSTRUCTION FENCE.
- TREE AND BRUSH CLEARING
- STRIP AND STOCKPILE TOPSOIL AT PROPOSED LANDSCAPE BERM AREA(S)
- PLACE THE STRAW WATTLES OR FENCING AT LEAST FIVE FEET FROM THE BASE OF THE LOAM PILE, IF APPLICABLE
- ON-SITE CUTS & FILLS TO ESTABLISH SUBGRADE
- EXCAVATE FOR FOUNDATION
- POUR CONCRETE FOUNDATION FOOTINGS AND FOUNDATION
- BACKFILL OF FOUNDATION
- STEEL ERECTION
- EXCAVATE FOR INTERIOR PLUMBING & ELECTRICAL SERVICES
- IMPORT PROCESSED GRAVEL FOR SLAB BASE
- FOUR INTERIOR SLAB
- COMPLETE THE DRAINAGE SYSTEM
- APPLY TEMPORARY OR PERMANENT STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS WHERE WORK IS COMPLETED OR DELAYED GREATER THAN 2 WEEKS
- COMPLETE SITE GRADING TO MATCH THE SITE DESIGN
- IMPORT PROCESSED GRAVEL FOR ALL PAVEMENT AREAS
- LAY THE BINDER COURSE OF PAVEMENT.
- INSTALL PERIMETER CURBING
- COMMENT THE PERMANENT STABILIZATION OF SLOPES, REPAIR AREAS THAT HAVE BEEN DAMAGED, AND INSTALL ADDITIONAL EROSION CONTROL DEVICES AS REQUIRED.
- INSTALL CONCRETE FLATWORK
- INSTALL LANDSCAPING AND REPLICATION AREAS AND SITE IMPROVEMENTS
- LAY FINISH COURSE OF PAVEMENT, SIGNAGE, FENCING
- REMOVE ACCUMULATED SEDIMENT AND TEMPORARY EROSION CONTROL MEASURES AFTER ALL SLOPES HAVE BEEN PERMANENTLY STABILIZED AND THE RISK OF EROSION HAS PASSED.
- EQUIPMENT MOVING, PROJECT PUNISHMENT AND CLOSOUT

#### DEVENS UXO PROTOCOL AND PROCEDURES

A. DEVENS UXO PROTOCOL AND PROCEDURES- PRIOR TO PERFORMING ANY INTRUSIVE SOIL WORK, ALL PERSONNEL ON SITE MUST VIEW AN INSTRUCTIONAL VIDEO DESCRIBING THE TYPES OF UNEXPLODED ORDNANCE ("UXO") WHICH COULD BE ENCOUNTERED AND PROVIDING INSTRUCTION OF THE PROCEDURES TO BE FOLLOWED IF A POTENTIAL UXO ITEM IS ENCOUNTERED. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING VIEWING OF THE VIDEO BY ALL PERSONNEL (BOTH CONTRACTOR AND SUB-CONTRACTORS) PRIOR TO ANY EXCAVATING (EITHER BY MACHINE OR HAND TOOLS). WILL BE WORKING WITHIN AN EXCAVATED AREA OR WHO WILL BE OVERSEEING OR SUPERVISING OTHER ARRANGEMENTS CAN BE MADE FOR VIEWING OF THE INSTRUCTIONAL VIDEO BY CONTACTING THE DEPARTMENT (978-772-4600) LOCATED AT 182 JACKSON ROAD, DEVENS, MA. CONTACT FIRE DEPARTMENT TO SCHEDULE VIEWING AS SOON AS POSSIBLE TO AVOID ANY DELAYS IN CONTRACTOR'S PROPOSED CONSTRUCTION SCHEDULE.

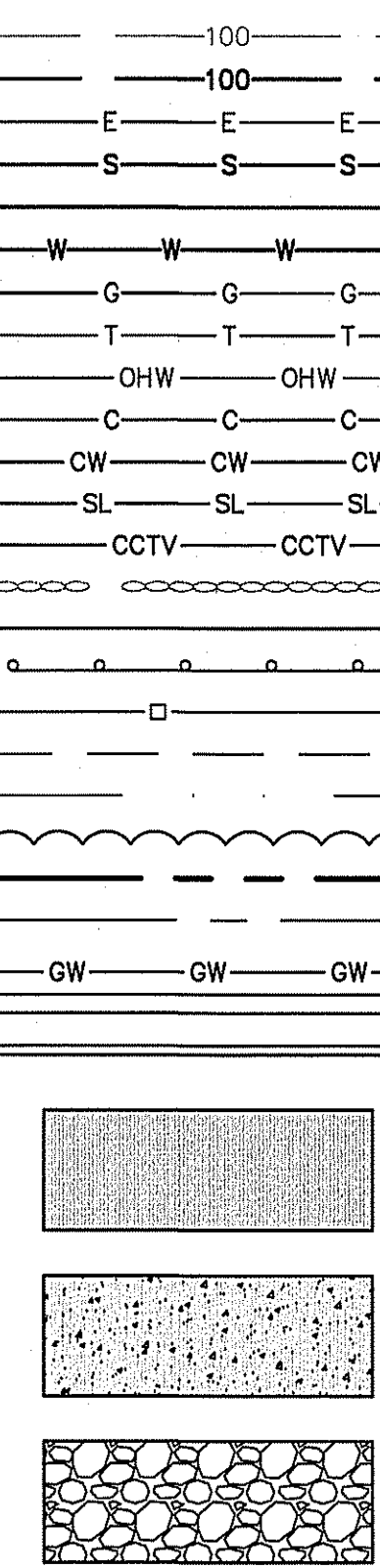
1) IF ORDNANCE IS FOUND OR SUSPECTED, CONTRACTOR SHALL FOLLOW THE FOLLOWING PROCEDURES:

- I. STOP ALL OPERATIONS IN THE AREA OF THE ITEM
  - II. SHUT OFF ALL EQUIPMENT IN THE AREA OF THE ITEM
  - III. EVACUATE THE AREA
  - IV. CALL DEVENS DISPATCH AT 978-772-7200
- 2) DISPATCH WILL NOTIFY THE APPROPRIATE EMERGENCY AND PUBLIC SAFETY PERSONNEL INCLUDING NOTIFICATION OF THE ARMY UXO RESPONSE COORDINATOR.
- 3) STATE POLICE, IN CONJUNCTION WITH THE DEVENS FIRE CHIEF, AND THE U.S. ARMY WILL DETERMINE THE COURSE OF ACTION TO BE FOLLOWED REGARDING THE RELOCATION, REMOVING AND/OR DESTROYING OF FOUND UXO UPON FURTHER INVESTIGATION OF THE ITEM.

4) THE CONTRACTOR WILL BE NOTIFIED WHEN PERSONNEL CAN RETURN TO THE AREA AND/OR WHEN AND WHERE OPERATION OF EQUIPMENT CAN RESUME.

5) THE FOLLOWING DISCLOSURE AND NOTIFICATION IS PROVIDED BY OWNER DOCUMENTATION ALLOWING ACCESS TO AND GROUND RELATED WORK TO BE PERFORMED AT DEVENS. IN THIS CONTEXT, THE "LICENSEE" IS THE PARTY TO BE PERFORMING THE WORK AND THE "LICENSOR" OWNER AS THE OWNER OF THE PROPERTY.

"LICENSEE ACKNOWLEDGES THAT DEVENS IS THE SITE OF A FORMER ACTIVE MILITARY INSTALLATION, AND THAT THERE IS A POSSIBILITY THAT UNEXPLODED ORDNANCE (UXO) MAY BE ENCOUNTERED DURING ACTIVITIES LICENSED BY THIS AGREEMENT. SPECIFICALLY, THE DEED PURSUANT TO WHICH THE UNITED STATES ARMY CONVEYED DEVENS TO LICENSOR, STATES THAT "THE [ARMY] COMPLETED A COMPREHENSIVE RECORDS SEARCH, AND BASED ON THAT SEARCH, UNDERTOOK AND COMPLETED STATISTICAL AND PHYSICAL TESTING OF AREAS ON DEVENS WHERE THE EXISTENCE OF UNEXPLODED ORDNANCE ("UXO") WAS CONSIDERED TO BE PRESENT, BASED UPON SAID SEARCH AND TESTING, THE ARMY REPRESENTS THAT, TO THE BEST OF ITS KNOWLEDGE, NO UXO IS CURRENTLY PRESENT ON [DEVENS]. THE [ARMY] AND [LICENSOR] ACKNOWLEDGE THAT, DUE TO THE FORMER USE OF [DEVENS] AS AN ACTIVE MILITARY INSTALLATION, AND NOTWITHSTANDING THE ABOVE-REFERENCED RECORDS SEARCH AND TESTING, UXO MAY EXIST ON DEVENS. UPON DUE NOTICE, THE [ARMY] AGREES TO REMOVE ANY SUCH REMAINING UXO DISCOVERED ON [DEVENS], AS REQUIRED UNDER APPLICABLE LAW. THE [ARMY] AGREES TO COOPERATE WITH LICENSOR AND RESPECT TO ACTIONS LICENSOR DETERMINES ARE NECESSARY WITH RESPECT TO UXO AT THE LICENSED PREMISES WHILE THIS AGREEMENT IS IN EFFECT. LICENSEE SHALL NOT CONDUCT ANY INTRUSIVE SOIL WORK ON THE LICENSED PREMISES WITHOUT FIRST VIEWING LICENSOR'S INSTRUCTION VIDEO ON UXO.



#### NOTES PER SECTION 974 CMR 3.02 (3) (F).

- PRIOR TO ANY LAND DISTURBANCE ACTIVITIES COMMENCING ON THE SITE, THE APPLICANT/CONTRACTOR SHALL BE RESPONSIBLE FOR PHYSICALLY MARKING THE LIMITS OF CONSTRUCTION ON THE SITE WITH TAPE, SIGNS, OR ORANGE CONSTRUCTION FENCE, SO THAT WORKERS UNDERSTAND THE AREAS TO BE PROTECTED. THE PHYSICAL MARKERS SHALL BE INSPECTED DAILY AND REPAIRED AS NECESSARY THROUGHOUT THE DURATION OF THE PROJECT.
- PERIMETER SEDIMENT CONTROL SYSTEM SHALL BE INSTALLED PRIOR TO SOIL DISTURBANCE AND MAINTAINED TO CONTAIN SOILS ON-SITE. AREAS OUTSIDE OF THE PERIMETER SEDIMENT CONTROL SYSTEM MUST NOT BE DISTURBED, UNLESS THE APPLICANT OBTAINS PRIOR APPROVAL FROM THE DEC.
- MEASURES SHALL BE TAKEN TO CONTROL EROSION WITHIN THE PROJECT AREA. SEDIMENT IN RUNOFF WATER SHALL BE TRAPPED AND RETAINED WITHIN THE PROJECT AREA AND STREET SWEEPING OF ADJACENT STREETS AND ROADS SHALL BE INCLUDED WHERE NECESSARY.
- ALL RESOURCE AREAS SHALL BE PROTECTED FROM SEDIMENT.
- MONITORING AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES THROUGHOUT THE COURSE OF CONSTRUCTION SHALL BE REQUIRED. SEDIMENT SHALL BE REMOVED ONCE THE VOLUME REACHES 1/4 TO 1/2 THE HEIGHT OF THE EROSION CONTROL.
- DIVERT RUNOFF FROM OFF-SITE AND UNDISTURBED AREAS AWAY FROM CONSTRUCTION TO MINIMIZE SOIL EROSION AND SEDIMENTATION ON AND OFF-SITE. TEMPORARILY STABILIZE ALL HIGHLY ERODIBLE SOILS AND SLOPES IMMEDIATELY.
- LAND DISTURBANCE ACTIVITIES EXCEEDING ONE ACRE IN SIZE SHALL NOT BE DISTURBED WITHOUT A SEQUENCING PLAN THAT REQUIRES STORMWATER CONTROLS TO BE INSTALLED AND EXPOSED SOILS STABILIZED, AS DISTURBANCE BEYOND THE ONE ACRE CONTINUES. A CONSTRUCTION PHASING PLAN INCLUDING EROSION AND SEDIMENT CONTROL PLAN FOR EACH PHASE, SHALL BE SUBMITTED TO THE DEC PRIOR TO ANY CONSTRUCTION ON SITE. MASS CLEARING AND GRADING OF THE ENTIRE SITE SHALL BE AVOIDED.
- DISTURBED AREAS REMAINING IDLE FOR MORE THAN 14 DAYS SHALL BE TEMPORARILY OR PERMANENTLY STABILIZED.
- PERMANENT SEEDING SHALL BE UNDERTAKEN IN THE SPRING FROM MARCH THROUGH MAY, AND IN LATER SUMMER AND EARLY FALL FROM AUGUST TO OCTOBER 15TH. DURING THE PEAK SUMMER MONTHS AND IN THE FALL AFTER OCTOBER 15TH, WHEN SEEDING IS FOUND TO IMPRACTICAL, AN APPROPRIATE TEMPORARY MULCH AND/OR

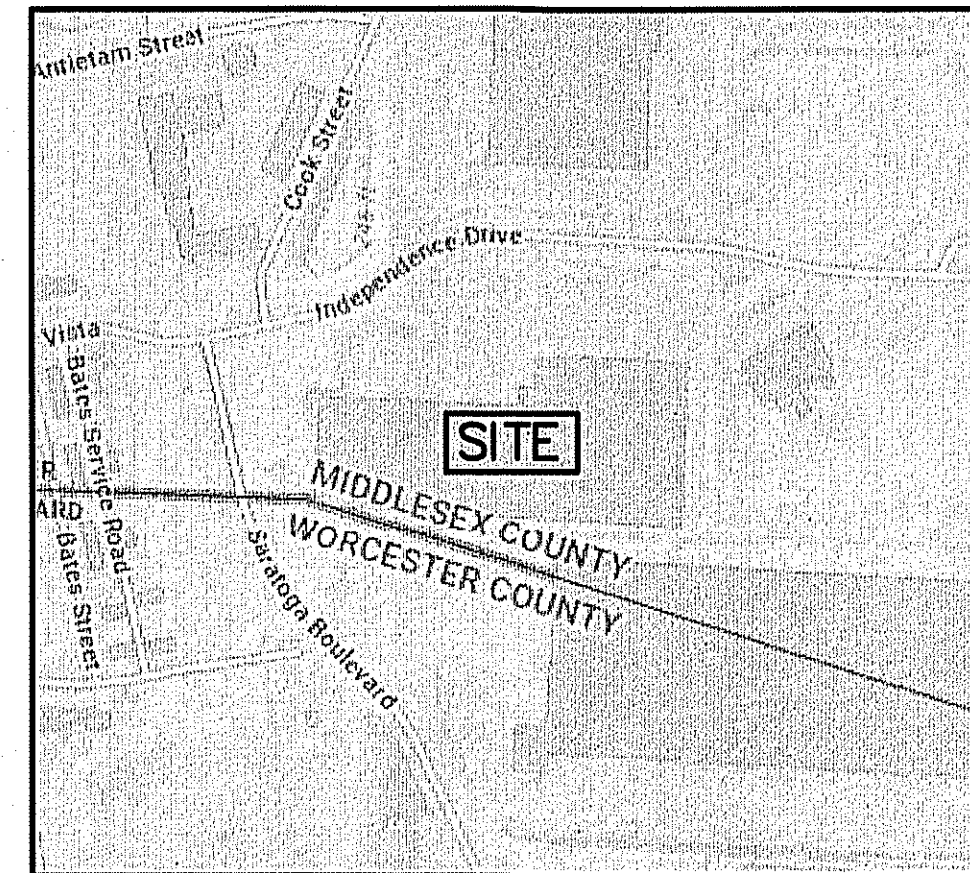


OWNER  
MACK DEVENS  
DEVELOPMENT, LLC.  
330 SMC DRIVE  
SOMERSET, WI 54025

APPROVED: DATE:  
DEVENS ENTERPRISE COMMISSION CHAIRMAN

FOR REGISTRY USE ONLY

26-13-1300  
O'REILLY AUTO ENTERPRISES, LLC  
(PK 63222-533; PL 714 OF 2000)  
#15 INDEPENDENCE DRIVE



### LOCUS PLAN

1"=500 FT.±

#### GENERAL NOTES:

- EXISTING CONDITIONS INFORMATION SHOWN IS FROM AN ON-THE-GROUND SURVEY COMPLETED BY TAUPER LAND SURVEY, 710 MAIN STREET OXFORD, MA 01537 IN MAY OF 2025.
- THE LAND SHOWN HEREON IS NOT SITUATED IN THE 100-YEAR FLOOD HAZARD ZONE PER THE MASSGIS ONLINE DATA VIEW, OLIVER.
- NO WETLAND RESOURCE AREAS WERE OBSERVED WITHIN 100-FOET OF THE PROJECT SITE.
- PROPOSED USE WILL NOT GENERATE ELECTROMAGNETIC INTERFERENCE TO ANY SENSITIVE RECEPTOR. INTERFERENCE WITH THE HARVARD-SMITHSONIAN RADIO TELESCOPE (1400-1720 MHz) IS SPECIFICALLY PROHIBITED.
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- A DEP AIR QUALITY PERMIT IS NOT REQUIRED.

#### ZONING SUMMARY:

DISTRICT: RAIL, INDUSTRIAL & TRADE RELATED

DIMENSIONAL REQUIREMENTS:	REQUIRED:	EXISTING:	PROPOSED:	CONFORMANCE:
MIN. LOT AREA:	2 AC.	21.6 AC.	21.6 AC.	Y
TOTAL AREA DIST:	N/A	4.8 AC.	4.8 AC.	Y
FRONTAGE:	100 FT.	2,077 FT.	2,007 FT.	Y
MIN. SIDE YARD:	10 FT.	65.3 FT.	65.3 FT.	N/A
MIN. FRONT YARD:	25 FT.	128.7 FT.	38.0 FT.	Y
MIN. REAR YARD:	25 FT.	N/A	N/A	N/A
MAX. BLDG HEIGHT:	75 FT.	<75 FT.	<75 FT.	Y
FAR COVERAGE:	0.5	0.34	0.41	Y
MAX IMP SURFACE:	0.73	0.58	0.63	Y
TOTAL IMP COV:	N/A	12.53 AC.	13.61 AC.	N/A
BUILDING IMP:	N/A	7.45 AC.	8.83 AC.	N/A
BUILDING IMP:	N/A	0.34	0.41	N/A
PERVIOUS PMNT:	N/A	0 SF	10,229 SF.	N/A
TOTAL HARDCAPE:	N/A	2,817 SF.	3,936 SF.	N/A
HARDCAPE (%):	N/A	0.3 %	0.4 %	N/A
OPEN SPACE	N/A	18,295 SF	16,117 SF	N/A

#### REQUIREMENTS:

MANUFACTURING/INDUSTRIAL: 2 SPACE/1,000 SF GFA

#### MAX PARKING REQUIRED:

MANUFACTURING/INDUSTRIAL: 60,214 SF X 2/1000 = 120.4 SPACES

EXISTING SPACES REQUIRED: 463 (PER 2015 APPROVAL)

EXISTING SPACES: 381

EXISTING SPACES LOST AS PART OF DEVELOPMENT: 24 SPACES

PROPOSED SPACES PROVIDE: 38 NEW SPACES

TOTAL SPACES: 419 SPACES

ADA ACCESSIBLE PARKING REQUIRED: 9 SPACES

EXISTING ADA ACCESSIBLE PARKING PROVIDED: 12 SPACES

PROPOSED ADA ACCESSIBLE PARKING PROVIDED: 2 SPACES

TOTAL ADA ACCESSIBLE PARKING PROVIDED: 14 SPACES

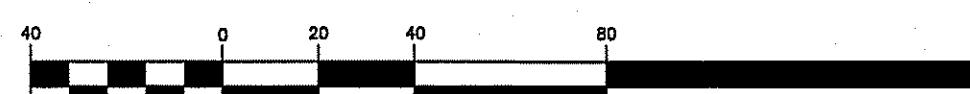
#### PARKING & TRAFFIC SUMMARY:

	REQUIRED:	EXISTING:	PROPOSED:	CHANGE:	CONFORMANCE:
MAX PARKING SP	584	381	419	38	Y
RESERVE PARKING	N/A	0	0	0	N/A
MAX TOTAL PARKING	584	381	419	38	Y
COMPACT SP	N/A	0	0	0	N/A
MIN EV/HYBRID PLUG IN SP	5%	0	4	4	Y
MIN EV/HYBRID PREFERRED SP	5%	0	4	4	Y
MIN RIDE SHARE SP	5%	0	5	5	Y
MIN HANDICAP SP	9	12	14	2	Y
ADT	N/A	N/A	N/A	N/A	N/A
EMPLOYEE COUNT	N/A	356	423	67	N/A
EMPLOYEE SHIFTS	N/A	2	2	0	N/A
EMPLOYEE COUNT PER SHIFT	N/A	223 1ST	298 1ST	75	N/A
		70 2ND	125 2ND	50	

#### BUILDING AREA & USE

	EXISTING:	PROPOSED:	CHANGE:	FAR BY USE:
GROSS FLOOR AREA	188,704± SF.	446,752± SF.	96,242 SF.	0.48
TOTAL AREA	341,946± SF.	384,635± SF.	42,689± SF.	0.41
COMMERCIAL	N/A	N/A	N/A	N/A
MANUFACTURING	130,615± SF.	291,028± SF.	160,413± SF.	0.31
OFFICE	26,842± SF.	32,290± SF.	5,448± SF.	0.03
OTHER (WAREHOUSE)	31,247± SF.	123,434± SF.	92,187± SF.	0.13
GENERATOR/CHILLERS				

#### GRAPHIC SCALE

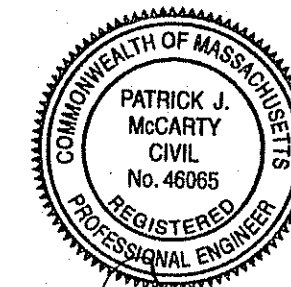


( IN FEET )

1 inch = 40 ft.

APPROVED BY THE DEVENS  
ENTERPRISE COMMISSION  
DATE:

No. Date Revision



Drawn By: JLL Designed By: JLL Checked By: JLL

McCarty Engineering, Inc.  
Civil Engineers

42 Tucker Drive, Leominster, MA 01453  
phone: (978) 534-1318 fax: (978) 840-6907  
www.mccartydb.com

Project Name

Mack Devens  
Development, LLC.  
18 Independence Drive  
Devens, MA

Sheet Title

Layout & Materials  
Plan

Job No: 127.01.001

Sheet No.

File Name: 127.01.001P-CMA01

Date: July 3, 2025

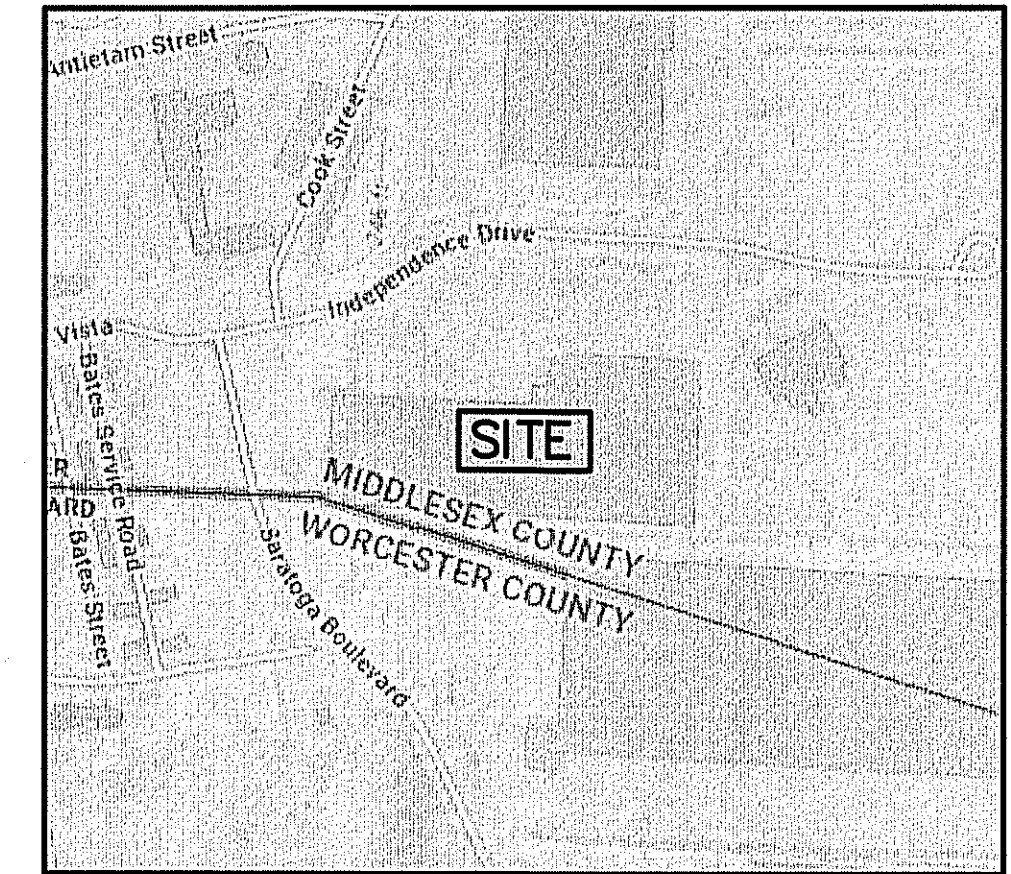
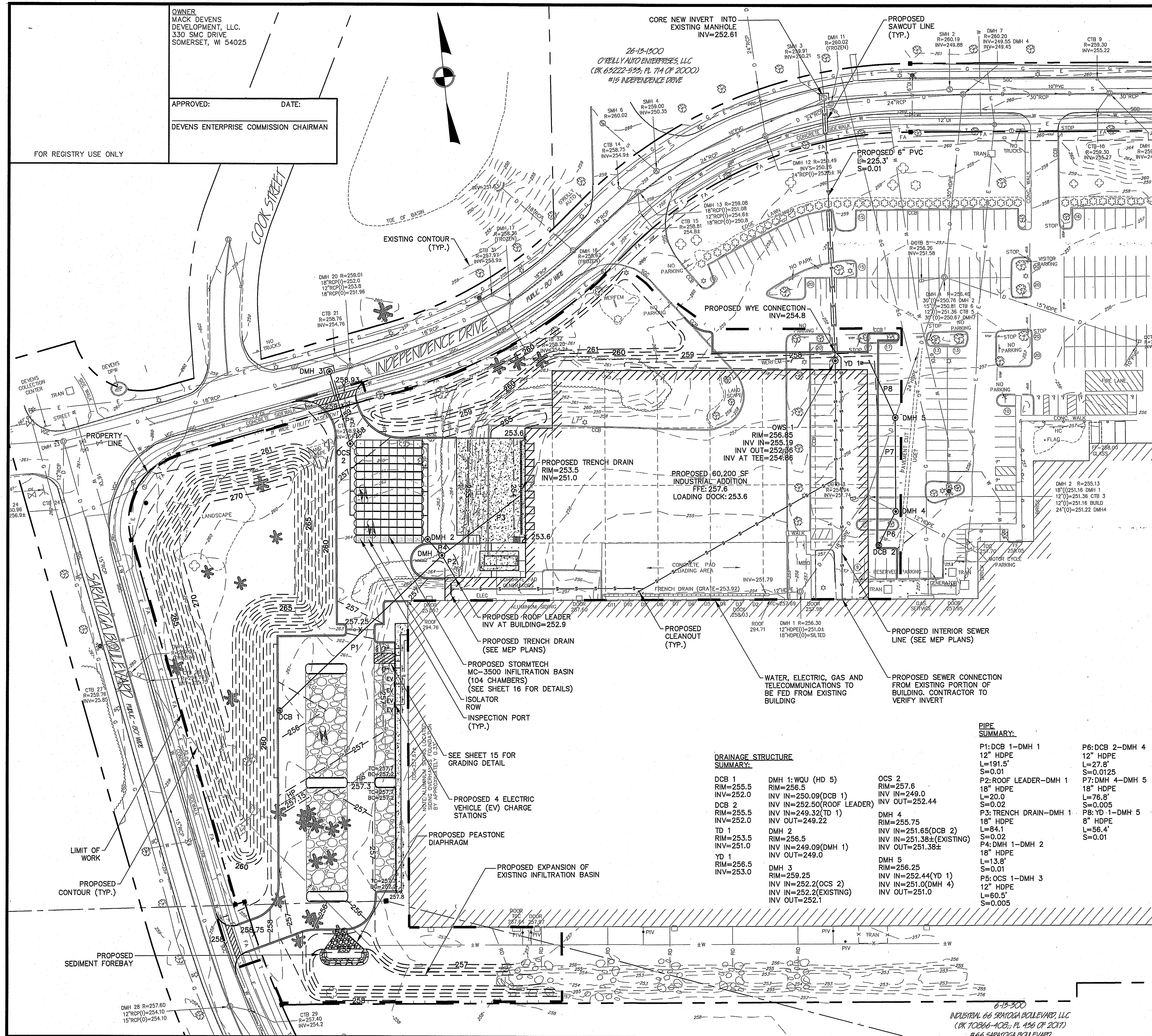
Scale: 1"=40'

5

OWNER  
MACK DEVENS  
DEVELOPMENT, LLC.  
330 SMC DRIVE  
SOMERSET, WI 54025

APPROVED: DATE:  
DEVENS ENTERPRISE COMMISSION CHAIRMAN

FOR REGISTRY USE ONLY



LOCUS PLAN  
1"=500 FT.±

GENERAL NOTES:

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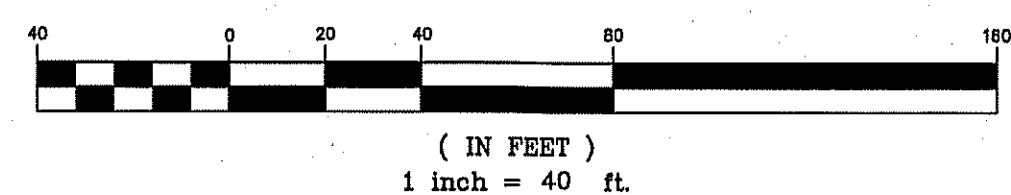
GENERAL NOTES

- THE CONSTRUCTION OF ALL PROPOSED UTILITIES SHALL CONFORM TO THE DEVENS UTILITY DEPARTMENT STANDARDS AND SPECIFICATIONS, LATEST EDITION, AS WELL AS THE COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS STANDARDS AND SPECIFICATIONS, LATEST EDITION. CONTRACTOR SHALL CONFORM TO ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES AND REQUIREMENTS DURING CONSTRUCTION.
- THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES SHALL BE CONSIDERED APPROXIMATE AND MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION. ANY DISCREPANCIES IN THE LOCATION OF ANY UTILITIES SHOWN OR ENCOUNTERED DURING CONSTRUCTION SHALL BE REPORTED TO MCCARTY ENGINEERING, INC. AT 978-534-1318.
- THE CONTRACTOR SHALL CALL "DIG-SAFE" AT 1-888-DIG-SAFE (344-7233) 72 HOURS PRIOR TO CONSTRUCTION TO INFORM THE UTILITIES COMPANIES OF ANY EXCAVATION ADJACENT TO EXISTING UTILITIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF ALL WASTE MATERIAL AT AN APPROVED SITE. BURIAL OF WASTE MATERIAL ON-SITE IS NOT PERMITTED.
- CONTRACTOR SHALL STRIP TOP SOIL AND STOCKPILE ON-SITE FOR REUSE. SOIL STOCKPILES SHALL BE NO HIGHER THAN 8'. STOCKPILES SHALL BE ENCLOSED BY TEMPORARY SILT FENCES TO PREVENT TRAVEL OF SEDIMENT TO ADJACENT DRAINAGE WAYS.
- EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL SURFACE RESTORATION IS COMPLETE AND SHALL BE MAINTAINED IN GOOD CONDITION AT ALL TIMES.
- CONTRACTOR SHALL PROTECT ADJACENT PROPERTIES FROM ON-SITE CONSTRUCTION ACTIVITIES AND REMOVE ANY SEDIMENT OR DEBRIS DEPOSITED THEREON IMMEDIATELY.
- DRAINAGE GENERATED AS A RESULT OF TRENCH DEWATERING SHALL BE DISCHARGED TO EXISTING DRAINAGE COURSES WITH PROPER EROSION CONTROL MEASURES. DISCHARGE ONTO PAVEMENT OR PRIVATE PROPERTY SHALL NOT BE ALLOWED.
- WHEN TAPPING EXISTING PRECAST MANHOLES OR SEWER PIPE, DRILL HOLES AT 4" CENTER TO CENTER WITH A STARDRILL AROUND THE PERIPHERY OF THE OPENING TO CREATE A PLANE OF WEAKNESS BEFORE BREAKING THE SECTION OUT.
- SANITARY SEWER AND WATER MAIN SHALL BE SEPARATED BY 10 FEET MINIMUM HORIZONTALLY. WHEN SEWER AND WATER CROSS, THE WATER MAIN SHALL BE A MINIMUM OF 18" ABOVE THE SEWER PIPE CROWN.
- UNLESS OTHERWISE SPECIFIED ON THE PLANS, TOP OF ALL WATER MAINS SHALL BE 5.0 FEET BELOW FINISH GRADE.
- VERIFY LOCATION OF BUILDING UTILITY CONNECTIONS WITH ARCHITECTURAL, MECHANICAL AND PLUMBING PLANS.
- ALL CLEARING, GRADING, DRAINAGE, CONSTRUCTION AND DEVELOPMENT SHALL BE CONDUCTED WITH STRICT ACCORDANCE WITH THESE PLANS.
- CONTRACTOR SHALL REFER TO THE STORMWATER POLLUTION PREVENTION PLAN PREPARED FOR THIS PROJECT SITE FOR ALL CONSTRUCTION PERIOD INSPECTIONS, CONTROLS, AND MANAGEMENT PRACTICES REQUIRED.
- ANY UNSUITABLE FILL MATERIAL SHALL BE REMOVED WITHIN THE LIMITS OF THE INFILTRATION BASIN AND REPLACED WITH CLEAN SAND/STONE.
- ANY WORK INCLUDING GAS, ELECTRIC, WATER, AND SEWER SHALL BE COORDINATED WITH THE DEVENS UTILITIES DEPARTMENT.

EARTHWORK VOLUMES:

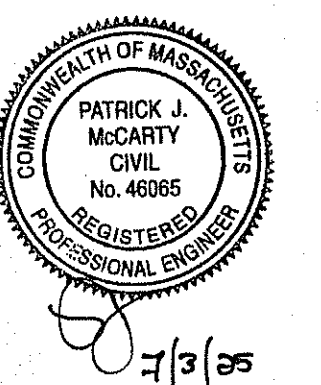
PROPOSED CUT: 10,832 CU. YD.  
PROPOSED FILL: 11,070 CU. YD.  
NET: 238 CU. YD. (FILL)

GRAPHIC SCALE



APPROVED BY THE DEVENS  
ENTERPRISE COMMISSION  
DATE:

No. Date Revision



Drawn By: JLL  
Designed By: JLL  
Checked By: JLL

McCarty Engineering, Inc.  
Civil Engineers  
42 Tucker Drive, Leominster, MA 01453  
phone: (978) 534-1318 fax: (978) 840-6907  
www.mccartyeng.com

Project Name

Mack Devens  
Development, LLC.  
18 Independence Drive  
Devens, MA

Sheet Title

Grading, Drainage &  
Utility Plan

Job No: 127.01.001 Sheet No.

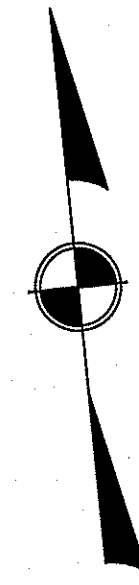
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Date: July 3, 2025

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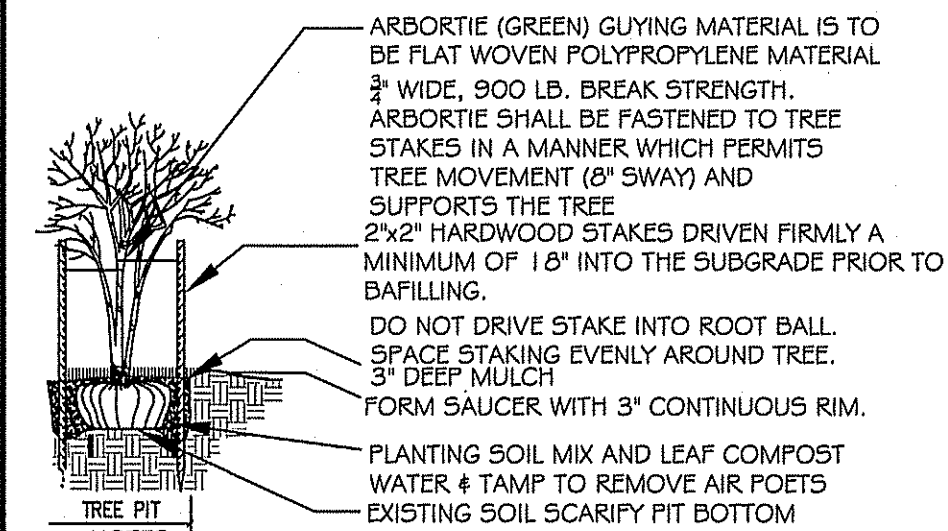
APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
DEVENS ENTERPRISE COMMISSION CHAIRMAN

26-13-1300  
O'REILLY AUTO ENTERPRISES, LLC  
(BK 63222-533; PL 714 OF 2000)  
#15 INDEPENDENCE DRIVE



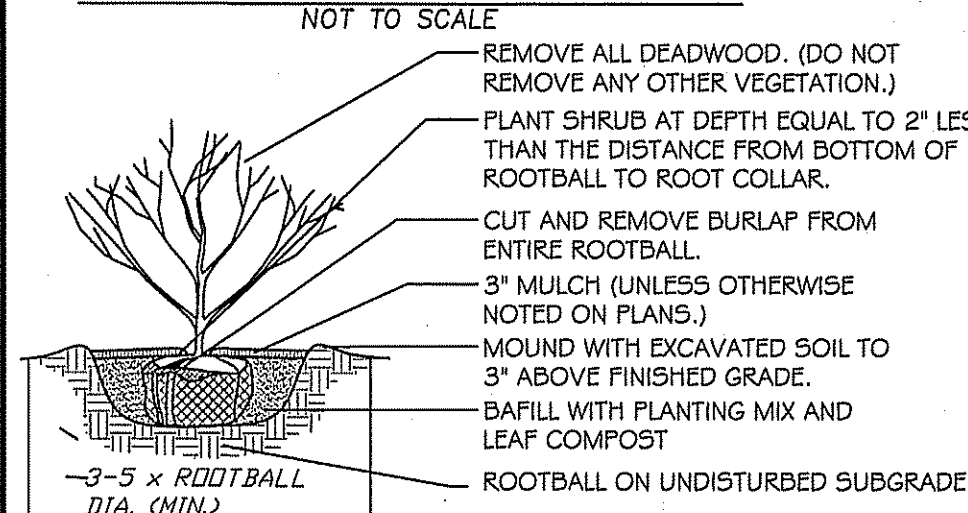
THE EXISTING PLANT MATERIAL SHALL  
BE REPLACED AS PART OF THE  
PROPOSED SEWER CONNECTION

Qty.	Key	Common Name	Botanical Name	Size	Remarks
TREES					
3	AC	Hedge Maple	<i>Acer campestre</i>	3' Cal.	B&B
22	AR	'Red Sunset' Red Maple	<i>Acer rubrum 'Red Sunset'</i>	3' Cal.	B&B
18	AS	Shadblow Serviceberry	<i>Amelanchier canadensis</i>	12' Ht.	B&B (Multi-stem)
1	AT	Silver Maple	<i>Acer saccharinum</i>	3' Cal.	B&B
7	BL	Yellow Birch	<i>Betula lenta</i>	12' Ht.	B&B (Multi-stem)
18	CF	Flowering Dogwood	<i>Cornus florida</i>	3' Cal.	B&B
10	CP	Pagoda Dogwood	<i>Cornus alternifolia</i>	3' Cal.	B&B
3	IO	American Holly	<i>Ilex opaca</i>	8' Ht.	B&B
2	JV	Eastern Red Cedar	<i>Juniperus virginiana</i>	8' Ht.	B&B
5	NS	Black Tupelo	<i>Nyssa sylvatica</i>	3' Cal.	B&B
3	PA	Norway Spruce	<i>Picea abies</i>	8' Ht.	B&B
4	PB	White Spruce	<i>Picea glauca</i>	8' Ht.	B&B
10	PG	Colorado Blue Spruce	<i>Picea pungens 'Glauca'</i>	8' Ht.	B&B
5	PN	Austrian Pine	<i>Pinus nigra</i>	8' Ht.	B&B
14	PP	Pitch Pine	<i>Pinus rigida</i>	8' Ht.	B&B
1	PT	Japanese Black Pine	<i>Pinus thunbergii</i>	8' Ht.	B&B
4	PV	Common Chokeberry	<i>Prunus virginiana</i>	3' Cal.	B&B
14	QP	Pin Oak	<i>Quercus palustris</i>	3' Cal.	B&B
5	TC	Redmond Linden	<i>Tilia americana 'Redmond'</i>	3' Cal.	B&B
SHRUBS					
23	CA	Silky Dogwood	<i>Cornus amomum</i>	36" Ht.	B&B
10	CR	Gray Dogwood	<i>Cornus racemosa</i>	36" Ht.	B&B
13	KL	Mountain Laurel	<i>Kalmia latifolia</i>	48" Ht.	B&B
15	LB	Common Spicebush	<i>Lindera benzoin</i>	36" Ht.	B&B
13	MP	Northern Bayberry	<i>Myrica pensylvanica</i>	48" Ht.	B&B
10	RR	Rosehill Rhododendron	<i>Rhododendron roseum</i>	48" Ht.	B&B
4	VD	Northern Arrowwood	<i>Viburnum dentatum</i>	48" Ht.	B&B



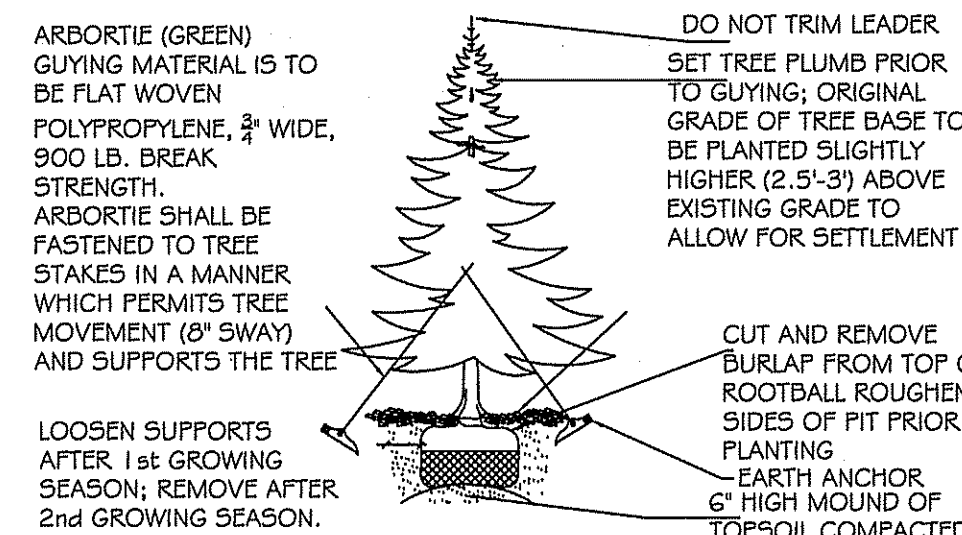
1. STAKE TO MAIN BRANCHES AS NECESSARY FOR FIRM SUPPORT.
2. PLANT SO THAT TOP OF ROOT BALL IS EVEN WITH THE FINISHED GRADE.
3. GUY WIRE SHALL NOT TOUCH OR RUB ADJACENT TRUNKS OR BRANCHES.
4. REMOVE ALL CONTAINERS AND BASKETS FROM ROOT BALL.
5. REMOVE BURLAP FROM TOP ONE THIRD OF ROOT BALL.
6. LOOSEN ROOTBALL PRIOR TO PLANTING.

## DECIDUOUS TREE PLANTING



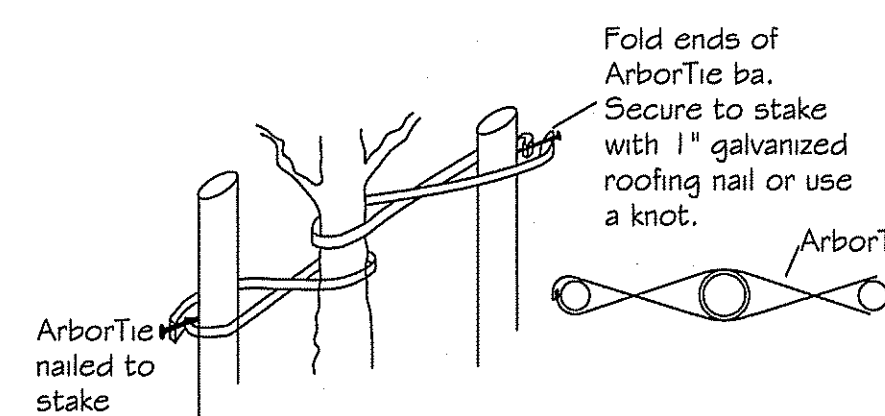
## SHRUB PLANTING

(NOT TO SCALE)



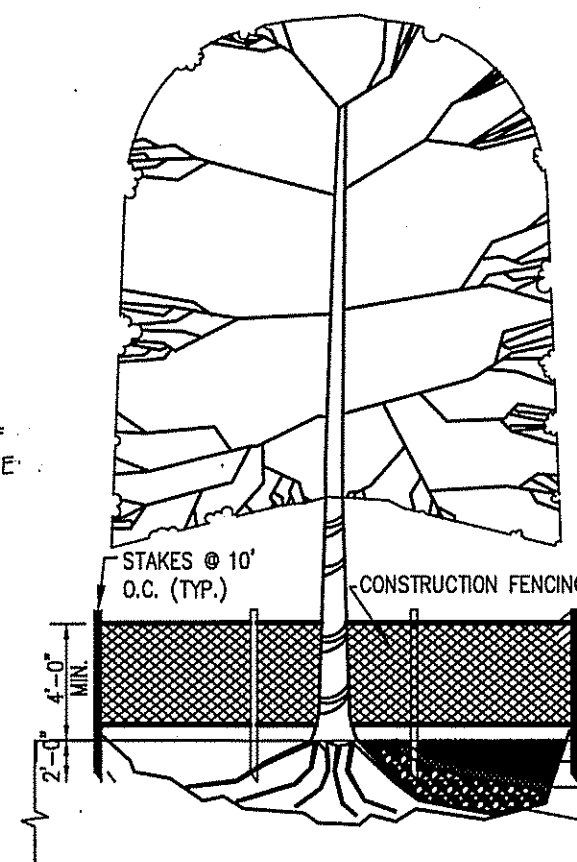
EVERGREEN TREE PLANTING

NOT TO SCALE



GRAPHIC SCALE

( IN FEET )  
1 inch = 40 ft.



NOTES:

1. ALL PROTECTIVE FENCING SHALL BE IN PLACE PRIOR TO COMMENCEMENT OF ANY SITE WORK AND

REMAIN IN PLACE UNTIL ALL WORK HAS BEEN COMPLETED. IF FENCE REMOVAL IS REQUIRED, OBTAIN

PRIOR PERMISSION FROM THE OWNER.  
IN AREAS WHERE ADDITIONAL

IN AREAS WHERE ADDITIONAL  
FILL IS ADDED WITHIN THE DRIP  
LINE OF AN EXISTING TREE

LINE OF AN EXISTING TREE,  
CAREFULLY REMOVE THE

EXISTING LOAM AND  
INCORPORATE A TIERED SYSTEM

OF STRATIFIED SAND AND  
GRAVEL, STRAW AND LOAM AS

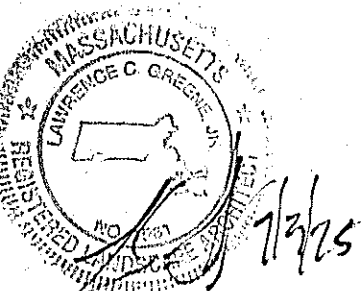
DEPICTED BELOW


Tree Protection Fence

(NOT TO SCALE)

\_\_\_\_\_

APPROVED BY THE DEVENS  
ENTERPRISE COMMISSION  
DATE:

[illegible]

Drawn By: LCG      Designed By: LCG      Checked By: 

**McCarty Engineering, Inc.**  
Civil Engineers  
42 Tucker Drive, Leominster, MA 01453  
phone: (978) 534-1318 fax: (978) 840-6907  
[www.mccartydb.com](http://www.mccartydb.com)

Project Name

Mack Devens  
Development, LLC.  
18 Independence Drive  
Devens, MA

Sheet Title

Landscape  
Plan

Job No: 127.01.001  
File Name: 127.01.001P-LA01  
Date: July 3, 2025  
Scale: 1"=40'

GENERAL NOTES:

1. THE GENERAL GOAL OF THE LANDSCAPE MAINTENANCE PLAN IS TO ESTABLISH AND MAINTAIN AESTHETIC AND FUNCTIONAL VALUES OF THE LANDSCAPE AND HARD SCAPE THROUGH A BALANCE OF ALL AVAILABLE METHODS. THE PLAN UTILIZES THE PRINCIPLES OF INTEGRATED PEST MANAGEMENT (IPM), I.E. FOCUSING ON PEST PREVENTION USING THE LEAST TOXIC, MOST EFFECTIVE & PRACTICAL METHODS; AND PLANT HEALTH CARE MANAGEMENT (PHM), FOCUSING ON MAINTAINING THE ECOSYSTEM TO PROMOTE HEALTHY GROWTH AND REDUCE SUSCEPTIBILITY TO PESTS. PLANTING THE BEST SUITED PLANTS AND THEN WATERING, MOWING AND FERTILIZING THEM PROPERLY HELPS TO REDUCE PEST DAMAGE AND PROVIDES A HABITAT FOR BENEFICIAL ORGANSIMS.
2. THE OTHER PLANS WITHIN THIS SET, FOR INFORMATION REGARDING STRUCTURAL LOCATIONS, UNDERGROUND UTILITIES (PROPOSED AND EXISTING) AND OTHER SITE CONSTRUCTION INFORMATION. REFER TO THE LIGHTING PLAN FOR LIGHT POLE LOCATIONS AND MOUNTING HEIGHT. REFER TO THE LANDSCAPE PLAN FOR EXISTING TREE PROTECTION.
3. ALL PLANTS AND PLANTING METHODS SHALL BE IN CONFORMANCE WITH THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION.
4. LANDSCAPE INSTALLATION AND MAINTENANCE SHALL BE PERFORMED UNDER THE SUPERVISION OF A QUALIFIED AND EXPERIENCED FOREMAN OR MAINTENANCE PERSONNEL. SUCH EXPERIENCE SHALL CONSIST OF A MINIMUM OF FIVE YEARS EXPERIENCE IN LANDSCAPE INSTALLATION AND MAINTENANCE ON SIMILAR PROJECTS. ALL LABORERS SHALL BE SUPERVISED CONTINUOUSLY DURING LANDSCAPE OPERATIONS BY A FOREMAN OR MAINTENANCE SUPERVISOR. ALL PLANTED AREAS AND "MAINTAINED" LAWNS SHALL RITCH AT 1:50 MINIMUM SLOPE TO ENSURE POSITIVE DRAINAGE ON PLANTED AREAS.
5. LOCATION OF ALL TREES AND SHRUBS SHALL BE STAKED OR PLANTS PLACED IN THE FIELD FOR APPROVAL OF THE LANDSCAPE ARCHITECT PRIOR TO PLANTING.
6. LOCATION OF INDIVIDUAL PLANTS AND PLANTING GROUPINGS MAY BE MODIFIED IN THE FIELD, SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT, TO INSURE EQUAL SPACING, THE CORRECT PLANT FACING, AND TO PROVIDE ADJUSTMENT TO FIELD CONDITIONS AND CONFLICTS.

- PREVENTING DAMAGE TO EXISTING TREES DURING CONSTRUCTION:**
- CONSTRUCTION EQUIPMENT CAN INJURE THE ABOVEGROUND PORTION OF A TREE BY BREAKING BRANCHES, TEARING THE BARK AND WOUNDING THE TRUNK. EXCAVATION NECESSARY FOR CONSTRUCTION AND UNDERGROUND UTILITY INSTALLATION CAN SEVER PORTIONS OF ROOTS AND CAN COMPACT SOILS, INHIBITING ROOT GROWTH AND DECREASING OXYGEN IN THE SOIL. PREVENTION METHODS FOLLOW:
1. ERECT CONSTRUCTION FENCES AROUND TREES THAT ARE TO BE RETAINED. PLACE FENCES OR OTHER PROTECTIVE MEASURES APPROVED BY THE DIRECTOR, 12" BEYOND THE DRIP-LINE OF THE TREES TO BE PROTECTED.
2. INSTRUCT CONSTRUCTION PERSONNEL TO KEEP THE FENCED AREA CLEAR OF BUILDING MATERIALS, WASTE AND EXCESS SOIL.
3. NO DIGGING, TRENCHING OR OTHER SOIL DISTURBANCE SHOULD BE ALLOWED IN THE FENCED AREA.
4. SPECIFY ACCESS ROUTE ON AND OFF THE PROPERTY AND STORAGE AREAS FOR EQUIPMENT, SOIL AND CONSTRUCTION MATERIALS FOR ALL CONTRACTORS.
5. KEPT AREAS FOR BURNING (IF PERMITTED), CEMENT WASHOUT PITS AND CONSTRUCTION WORK ZONES AWAY FROM PROTECTED TREES.
6. WHEN INSTALLING NEW LANDSCAPING MATERIALS, AVOID EVEN SMALL INCREASES IN GRADE; AS LITTLE AS 2" TO 6" OF ADDITIONAL SOIL OVER EXISTING TREE ROOTS CAN REDUCE THE RATIO OF OXYGEN TO CARBON DIOXIDE AROUND TREE ROOTS.
7. TREES THAT ARE DAMAGED DURING CONSTRUCTION MAY REQUIRE SEVERAL YEARS TO ADJUST, AND ARE MORE PRONE TO HEALTH PROBLEMS. MONITOR REGULARLY AND EVALUATE PERIODICALLY FOR DECLINING HEALTH OR SAFETY HAZARDS.

MAINTENANCE:

- ESTABLISHED LAWN MAINTENANCE**
1. MOWING
- \* MOWING SHALL OCCUR AT A REGULAR WEEKLY SCHEDULE OR ACCORDING TO SEASONAL PRECIPITATION.
- \* THE SEASON'S FIRST MOWING SHALL OCCUR PRIOR TO MAY 1ST, PENDING ENVIRONMENTAL CONDITIONS.
- \* MOWING DIRECTION/ANGLE PATTERN SHALL BE ALTERED PERIODICALLY THROUGHOUT THE GROWING SEASON.
- \* A MULCHING MOWER SHALL BE UTILIZED FOR ALL MOWING.
- \* MOWER BLADES SHALL BE SHARPENED EVERY (4) FOUR MOWINGS.
- \* CLEAN AND SWEEP ALL WALKS AFTER MOWING OR AS NEEDED.
- \* EDGE ALL WALKS AFTER MOWING OR AS NEEDED.

ONCE ESTABLISHED FOR YEARS TWO AND THREE, MOW JUST REMOVING NO MORE THAN TWO INCHES AT A TIME BAG NEWLY CUT GRASS UNTIL GRASS IS BOX ESTABLISHED, REMOVE WEEDS AS NECESSARY IN SUMMER MONTHS RAISE MOWING HEIGHT IN THE FALL RETURN MOWING HEIGHT

THE THATCH IN THE SPRING TO REMOVE WINTER DEBRIS AND ANY POTENTIAL SOIL MOLD, AERATE AS NECESSARY. APPLY FERTILIZERS, HERBICIDES AS NECESSARY, MONITOR FOR RODENTS AND TREAT AS NECESSARY IN THE FALL REMOVE THE LEAVES FROM THE LAWN AREA, IF THE GRASS AREAS DIE OUT, THE LAWN AREAS SHALL BE CUT OUT AND DISCARDED. EXPOSED SOIL SHALL BE AMENDED AS REQUIRED AFTER TESTING, (I.E. LIME OR FERTILIZER ADDED). SEED SHALL BE APPLIED AND IRRIGATED REGULARLY UNTIL GRASS AREAS IS ESTABLISHED. A LOOSE HAY MULCH SHALL BE APPLIED TO THE NEWLY PLANTED AREA TO A DEPTH OF 3/4", AND AERIAL COVER OF 70%. THERE SHOULD BE NO SEEDS IN THIS HAY. COORDINATE WITH MAINTENANCE SECTIONS OF THIS DOCUMENT

2. SOD/LAWN REPLACEMENT:
- \* EXISTING DEAD LAWN SHALL BE CUT OUT AND DISCARDED.
- \* EXPOSED SOIL SHALL BE AMENDED AS REQUIRED AFTER TESTING, (I.E. LIME OR FERTILIZER ADDED).
- \* GRASS SEED SHALL BE APPLIED AND IRRIGATED REGULARLY UNTIL LAWN IS ESTABLISHED.
- \* A LOOSE HAY MULCH SHALL BE APPLIED TO THE NEWLY PLANTED AREA TO A DEPTH OF 3/4", AND AERIAL COVER OF 70%. THERE SHOULD BE NO SEEDS IN THIS HAY.

3. FERTILIZATION
- \* ORGANIC FERTILIZATION APPLICATIONS WILL BE BASED UPON SOIL ANALYSES AND/OR MONITORING FOR SYMPTOMS OF NUTRIENT DEFICIENCY.
- ROUND 1:
- APPLICATION OF A BALANCED FERTILIZER WITH A PRE-EMERGENT CRABGRASS CONTROL (19-0-7 W/ PRODIAMIDE OR EQUIVALENT) DONE EARLY / EARLY MAY DEPENDING ON SPRING WEATHER. SPOT SPRAY FOR BROADLEAF AND GRASSY WEEDS (SPEED ZONE HERBICIDE OR EQUIVALENT).
- ROUND 2:
- SECOND APPLICATION OF A BALANCED FERTILIZER WITH A PRE-EMERGENT CRABGRASS CONTROL (19-0-8 W/ DIMENSION OR EQUIVALENT) DONE END OF MAY / EARLY JUNE. SPOT SPRAY FOR BROADLEAF AND GRASSY WEEDS (SPEED ZONE HERBICIDE OR EQUIVALENT).
- ROUND 3:
- APPLICATION OF A BALANCED SLOW RELEASE FERTILIZER WITH PREVENTATIVE GRUB CONTROL (20-0-5 W/ MADAGASCAR (MERIT) OR EQUIVALENT). SPOT TREAT FOR BROADLEAF AND GRASSY WEEDS (SPEED ZONE HERBICIDE OR EQUIVALENT).
- ROUND 4:
- APPLICATION OF A BALANCED SLOW RELEASE FERTILIZER (18-0-6 OR EQUIVALENT). SPOT SPRAY FOR BROADLEAF AND GRASSY WEEDS (G4 HERBICIDE OR EQUIVALENT)
- ROUND 5:
- APPLICATION OF A BALANCED FERTILIZER TO PROMOTE HEALTHY ROOT GROWTH W/ LIME TO HELP MAINTAIN A NEUTRAL SOIL (12-0-4 W CALSTAR OR EQUIVALENT)

4. LAWN AREA ESTABLISHMENT FOR NEW CONSTRUCTION:
- DETERMINE THE LIMITS OF AREAS THAT NEED TO BE SEEDDED, PERFORM A SOIL ANALYSIS, REGRADE THE SITE AS NECESSARY. INSTALL THE TOPSOIL AND TILL THE SOIL TO A DEPTH OF 4-6". AMEND THE SOILS AS NECESSARY. PERFORM FINE GRADING, SELECT SEED MIX FOR DESIRED AREAS, CHOOSE HIGH QUALITY SEED. PERFORM HYDRO-SEEDING WITH THE DESIRED SEED MIX, MIXED IN TWO DIRECTIONS, WITHIN HYDROSEED SURVEY INCORPORATE STARTER FERTILIZER,HERBICIDES, WATER SEEDED AREAS, AND MINIMIZE TRAFFIC ON NEWLY SEEDD AREAS.
5. RESTORATION SEED ESTABLISHMENT FOR NEW CONSTRUCTION:
- DETERMINE THE LIMITS OF AREAS THAT NEED TO BE SEEDDED, PERFORM A SOIL ANALYSIS, REGRADE THE SITE AS NECESSARY. INSTALL THE TOPSOIL AND TILL THE SOIL TO A DEPTH OF 4-6". AMEND THE SOILS AS NECESSARY. PERFORM FINE GRADING, SELECT SEED MIX FOR DESIRED AREAS, CHOOSE HIGH QUALITY SEED. PERFORM HYDRO-SEEDING WITH THE DESIRED SEED MIX, MIXED IN TWO DIRECTIONS, WITHIN HYDROSEED SURVEY INCORPORATE STARTER FERTILIZER,HERBICIDES, WATER SEEDD AREAS, AND MINIMIZE TRAFFIC ON NEWLY SEEDD AREAS.

MAINTENANCE FOR CONSERVATION SEED MIX AREAS.

ONCE ESTABLISHED, MOW ONCE A YEAR IN THE MONTH OF SEPTEMBER, IN THE SPRING IF AREAS ARE COVERED WITH ROAD, SAND RAKE OUT ACCUMULATED SAND IN THE FALL IF HEAVY LEAF LITTER OCCURS REMOVE THE LEAVES ACCORDINGLY PERFORM SOIL ANALYSIS AND AMEND AS NECESSARY.

BED MAINTENANCE.

- PAVEMENT EDGES SHALL BE INSPECTED EVERY SPRING AND REINFORCED AS NEEDED.
  - PULL WEEDS OUT OF BEDS AS NEEDED.
  - RAKE FLOWER BEDS EVERY OTHER WEEK.
  - EDGE PLANTER BEDS AS NEEDED.
  - FINCH DEAD FLOWER HEADS TO PROMOTE NEW GROWTH AND TOO KEEP PLANT AESTHETICS.
  - PROVIDE MONTHLY WEEDING OF GARDENS DURING GROWING SEASON, THROUGH THE FIRST YEAR.
- WEED ONE TIME PER YEAR IN FOLLOWING YEARS.

SHRUB MAINTENANCE:

1. ANNUAL INSPECTION/MAINTENANCE: ALL LANDSCAPED SHRUBS SHALL BE INSPECTED PRIOR TO MAY PRUNE/REMOVE DEAD LIMBS AND SUCKER GROWTH. IF NECESSARY, \* PRUNE TO MAINTAIN PLANT SHAPE OR TO MAINTAIN LINE OF SITE VISIBILITY AFTER FLOWERING.

2. ORGANIC FERTILIZATION APPLICATIONS WILL BE BASED UPON SOIL ANALYSES AND/OR MONITORING FOR SYMPTOMS OF NUTRIENT DEFICIENCY.

MAINTENANCE FOR RESTORATION SEEDD AREA FOR YEARS TWO AND THREE. (CONT):

TREE MAINTENANCE:

1. ANNUAL INSPECTION/MAINTENANCE:
- ALL LANDSCAPED TREES SHALL BE INSPECTED PRIOR TO MAY 1ST.
  - ALL DEAD LIMBS SHALL BE PRUNED AND REMOVED.
  - SUCKER GROWTH SHALL BE PRUNED.
  - PRUNING SHALL BE PERFORMED IN ORDER TO MAINTAIN PLANT HEALTH, PUBLIC SAFETY AND WHERE APPLICABLE LINE OF SITE/VISIBILITY.
  - IF REQUIRED, WHEN PLANTED, SAPLINGS SHALL BE SECURED WITH A GUY WIRE WITH \* A TURNBUCKLE SECURED TO EITHER GUY STAKES OR "DUCK BILL" STAKES.
  - THE GUY WIRES SHALL BE INSTALLED PER THE TREE PLANTING DETAIL. A PIECE OF RUBBER HOSE OR EQUIVALENT SHALL COVER THE GUY WIRE WHERE IT WRAPS AROUND THE SAPLING'S TRUNK.
  - THE GUY WIRE SHALL REMAIN LOOSE UNLESS DURING SPRING INSPECTION THE TREES ARE LEANING IN A UNHEALTHY AND OR UNSIGHTLY WAY, THE GUY-WIRES AND TURNBUCKLES SHALL BE TIGHTENED. IF UNHEALTHY THE GUY WIRE STABILIZATION SHALL BE REMOVED FROM THE TREE AFTER (3) YEARS.

2. FALL CLEANUP SHALL OCCUR BETWEEN SEPTEMBER 15TH AND NOVEMBER 15TH OR TO COINCIDE WITH LEAF DROP.

MULCHING:

- A COMMERCIAL UN-DYED BARK MULCH SHALL BE APPLIED TO ALL LANDSCAPING BEDS.
- A MINIMUM OF 3" OF PINE OR HEMLOCK MULCH SHALL BE APPLIED TO ALL BEDS.
- MULCHING SHOULD BE DONE IN A WIDE BAND, APPROXIMATELY THREE (3) TIMES THE DIAMETER OF THE ROOTBALL OF TREES OR SHRUBS, AND NO MORE THAN A 4" DEPTH, TAPERING TO BUT NOT TOUCHING THE TRUNK. CARE SHALL BE TAKEN TO AVOID "MOUNDING" MULCH UP AGAINST TREE TRUNKS.
- MULCH SHALL BE REAPPLIED TO BEDS ANNUALLY, DURING SPRING INSPECTIONS.

WATERING:

- FOR NEW INSTALLATION OF TREES, AND SHRUBS WATERING SHALL OCCUR AT A MINIMUM OF TWO (2) TIMES A DAY FOR THE FIRST TWO (2) MONTHS; ONCE IN THE EARLY MORNING AND THEN THE OTHER IN THE LATE AFTERNOON. IF DURING DROUGHT CONDITIONS, THE AMOUNT OF WATERING MAY BE EXTENDED TO UP TO THREE YEARS. ESTABLISHED LAWNS SHALL BE WATERED SO THAT IT RECEIVES AN INCH (1") OF WATER EVERY WEEK. ESTABLISHED TREES AND SHRUBS SHALL BE WATERED SO THAT THEY RECEIVE THREE AND A HALF INCHES (3 1/2") OF WATER A MONTH. AN IRRIGATION SYSTEM IS NOT PROPOSED FOR THIS SITE. DROUGHT TOLERANT LAWN HAS BEEN SEPARATED.
- FOR WATERING NEWLY SEEDD AREAS, WATER SO THAT THE SOIL IS WET TO A DEPTH OF 4". FOR THE FIRST TWO WEEKS, WATER TWICE A DAY, ONCE IN THE EARLY MORNING AND THEN THE OTHER IN THE LATE AFTERNOON. WATER UNTIL THE SOIL IS DAMP FOR THE FIRST INCH, CONTINUE TO WATER UNTIL THE GRASS GERMINATES, IF THE SEED DOES NOT GERMINATE WITHIN FIFTEEN DAYS, RE-SOW, ONCE THE GRASS HAS GERMINATED, CUT THE WATERING BACK TO ONCE A DAY, WEED THE NEWLY PLANTED AREAS AS NECESSARY.

PESTICIDES:

THE TERM PESTICIDES INCLUDES INSECTICIDES, HERBICIDES AND FUNGICIDES. PESTICIDE USE WILL BE MINIMIZED THROUGH SELECTION OF SPECIES AND VARIETIES THAT ARE INSECT AND DISEASE RESISTANT. PESTICIDES ARE TO BE USED SECONDARY TO THE IPM PROGRAM. ONLY AS NECESSARY, AND ACCORDING TO "UMASS EXTENSION MANAGEMENT GUIDE FOR INSECTS, DISEASES, AND WEEDS OF TREES AND SHRUBS IN NEW ENGLAND", CURRENT EDITION AND THE FOLLOWING GUIDELINES:

1. INVENTORY:
- USE PESTICIDES WITH A LOW LEACHING POTENTIAL (PLP) INDEX. PLP INDICES ARE BASED ON THE SOIL RATION, PERSISTENCE, RATE OF APPLICATION AND PERCENT PESTICIDE REACHING THE GROUND.
  - STORE PESTICIDES ONLY IN ORIGINAL CONTAINERS.
  - KEEP CONTAINERS CLOSED TIGHTLY; MONITOR CONTAINERS FOR DAMAGE AND/OR LEAKS.
  - STORE LIQUE PESTICIDES TOGETHER.
  - STORE FLAMMABLE PESTICIDES SEPARATELY.
  - MAINTAIN AN UP-TO-DATE INVENTORY OF PESTICIDES.

2. APPLICATION & SAFETY
- COMPLY WITH EMERGENCY PLANNING AND RIGHT-TO-KNOW REGULATIONS.
  - ENSURE APPLICATION IS BY INDIVIDUALS TRAINED IN PROPERTY APPLICATION TECHNIQUES AND ACCORDING TO LABEL DIRECTIONS. NOTE GROUNDWATER ADVISORIES AND OTHER SAFETY ADVISORIES. THE LABEL IS A LEGAL DOCUMENT.
  - SPOT TREAT WHENEVER POSSIBLE.
  - DETERMINE THE SIZE OF THE AREA OF APPLICATION AND MIX ONLY THE QUANTITY OF PESTICIDE NEEDED IN ORDER TO SAVE MONEY.
  - SAFELY AND CAREFULLY MIX AND LOAD THE SPREADER OR SPRAYER.
  - MIX THE PESTICIDE AND LOAD THE SPREADER OR SPRAYER CAREFULLY TO AVOID SPILLS. MIX IN AREAS WHERE SPILLS MAY BE SAFELY CONTAINED.
  - FILL SPRAY TANKS AWAY FROM WELLS AND/OR WATERBODIES.
  - RECHECK CALIBRATION OF THE SPREADER OR SPRAYER BEFORE APPLICATION.
  - APPLY RINSATE TO A LABELED SITE AT NOT MORE THAN LABELED RATES OR SAVE RINSATE AND USE IT TO MAKE UP WATER FOR SIMILAR APPLICATIONS. DO NOT RELEASE RINSATE IN UNCONTAINED AREAS.
  - TRIPLE-RINSE EMPTY CONTAINERS AND PUNCTURE, CRUSH AND RECYCLE THEM, IF POSSIBLE, OR DISPOSE AT LANDFILL.

RODENT CONTROL:

DESIGN PREVENTATIVE MEASURES:

- SELECTION OF PLANTS AND TREES WILL BE MADE WITH THE CONSIDERATION OF SEED AND FRUIT AND SHALL BE KEPT AT A MINIMUM TO AVOID SUPPORT OF INSECTS, ROEDENTS AND UNDESIRED BIRDS.
- KEEP DENSELY GROWING PLANTS SEPARATED FROM EACH OTHER AND THE BUILDING AT A CONSIDERABLE DISTANCE TO REDUCE RODENT HARBORAGE AND PASSAGE.

OPERATIONAL PREVENTATIVE MEASURES:

- INSPECTIONS OF THE LAWN WILL OCCUR DURING WEEKLY SCHEDULED MOWING TO SCOUT FOR PEST ACTIVITY
- IF APPARENT PEST ACTIVITY IS FOUND, CAUSE OF THE ISSUE WILL BE IDENTIFIED AND APPROPRIATE CONTROL MEASURES WILL BE TAKEN TO CORRECT ISSUES.
- PROPERTY WILL BE INSPECTED REGULARLY TO AVOID THE ACCUMULATION OF MISCELLANEOUS ARTICLES TO ELIMINATE RODENT HARBORAGE.
- TREES LOCATED NEAR THE BUILDING WILL BE PRUNED ACCORDINGLY TO MAINTAIN AN ADEQUATE CLEARANCE TO AVOID PEST ACCESS.
- ALL WASTE MATERIALS WILL BE STORED IN A SECURE CONTAINER AT JUSTIFIABLE DISTANCE FROM THE BUILDING AND DISCARDED IN ACCORDANCE WITH WEEKLY SCHEDULED PICKUPS.

CASES THAT DO NOT WARRANT EMERGENCY TREATMENT

—PRIOR TO APPLYING CHEMICAL PESTICIDES OR BAITS, ALTERNATIVE PEST CONTROL METHODS WILL BE USED IN 100% OF CASES. IF ALTERNATIVE METHODS FAIL, LEAST TOXIC PESTICIDES WILL BE USED PRIOR TO RESORTING TO THE USE OF NON-LEAST TOXIC PESTICIDES OR BAITS IN 100% OF CASES

CASES THAT DO WARRANT EMERGENCY TREATMENT OR USE OF NON-LEAST TOXIC PESTICIDES —IN 100% OF NON-LEAST TOXIC PESTICIDE APPLICATIONS, OCCUPANTS WILL RECEIVE NOTIFICATION ACCORDING TO THE NOTIFICATION PROCEDURES DESCRIBED BELOW.

PROPERTY MANAGER RESPONSIBILITIES:

- ENSURING THAT THIS PLAN IS EXECUTED
- ENSURING THAT THE CONTRACTED IPM VENDOR IS FULLY TRAINED ON THIS PLAN AND ADHERES TO THE PLAN PROCEDURES
- COORDINATING SITE VISITS BY THE VENDOR FOR REGULAR INSPECTIONS AND AS NEEDED FOR ELABORATION OF PEST CONTROL
- OVERSEEING WORK PERFORMED BY THE VENDOR
- APPROVING THE USE OF PESTICIDES WHEN THEY ARE NECESSARY
- PROVIDING PROPER NOTIFICATION TO OCCUPANTS WHEN NON-LEAST TOXIC PESTICIDES ARE APPLIED
- ENSURING TENANT CONTRACTS ARE AWARE OF THE PROCEDURES IN THIS PLAN
- EVALUATING PERFORMANCE AND MAKING UPDATES TO THE PLAN AS NECESSARY

PEST CONTROL VENDOR RESPONSIBILITIES:

- ADHERING TO THE PROCEDURES OUTLINED IN THIS PLAN
- IDENTIFYING PEST DURING SITE VISITS AND INSPECTIONS
- REPORTING THE RESULTS OF THE SITE VISITS AND INSPECTIONS TO THE OVERALL

INVASIVE SPECIES

IF INVASIVE SPECIES HAVE ESTABLISHED THEMSELVES IN ONE OR MORE OF THE LANDSCAPE AND LAWNS AREAS:

PULL THE SEEDLINGS AND SMALL OR SHALLOW-ROOTED PLANTS WHEN SOIL IS MOIST. DIG OUT LARGER PLANTS, INCLUDING THE ROOT SYSTEMS. USE A FORKED SPADE OR WEED WRENCH FOR TREES OR SHRUBS DEAD/NEAR DEAD TO PREVENT SPREAD OF DISEASE OF INVASIVE PLANTS. CUT OFF SEEDS OR FRUITS BEFORE THEY RIPEN. BAG, AND BURN OR SEND TO A LANDFILL.

MOW OR CUT AT LEAST 4 TIMES A SEASON TO DEplete PLANTS' STORE OF NUTRIENTS AND CARBOHYDRATES. REDUCE SEED FORMATION, AND KILL OR MINIMIZE SPREAD OF PLANTS. IF NECESSARY, REPEAT EACH YEAR.

\*BITTERSWEET

FOR YOUNG VINES, HAND PULLING CAN WORK AND REPEATED MOWING MAY BE EFFECTIVE IN FIELDS. WHEN LARGE VINES HAVE GROWN INTO TREES, CUT THE VINES WHEN THE LEAVES AREN'T PRESENT, AND APPLY A SYSTEMIC HERBICIDE TO THE FRESHLY CUT STEM. ANY DEAD VINES THAT CANNOT EASILY REMOVED CAN BE LEFT TO DECAY ON THE TREES.

CONTROLLED BURNING

DURING THE BURNING, REPEATED OVER SEVERAL YEARS, ALLOWS NATIVE VEGETATION TO COMPETE MORE EFFECTIVELY WITH THE INVASIVE SPECIES. THIS REQUIRES A PERMIT. SPOT TREATMENT WITH GLYPHOSATE IN LATE FALL CAN BE USED TO MAKE THIS METHOD MORE EFFECTIVE.

USE A CORN-BASED, PRE-EMERGENCE HERBICIDE ON ANNUAL WEEDS

IN LAWNS, SPOT TREAT WITH BROAD-LEAF WEEDKILLER.

CUT DOWN THE TREE. GRIND OUT THE STUMP, OR CLIP OFF RE-GROWING

GRIND TREE: CUT THROUGH THE BARK AND GROWING LAYER (CAMBIUM) ALL AROUND THE TRUNK, ABOUT 6" ABOVE THE GROUND. GRINDING IS MOST EFFECTIVE IN SPRING WHEN THE SAP IS RISING, AND FROM MIDDLE TO LATE SUMMER WHEN THE TREE IS SENDING DOWN FOOD TO THE ROOTS. CLIP OFF SUCKER SPROUTS.

FRILL-USING A MACHETE, HATCHET OR SIMILAR DEVICE, HACK SCARS (DEEP GULCHES IN LARGER TREES) DOWNWARD INTO THE CAMBIUM LAYER, AND SQUIRT IN GLYPHOSATE (OR TRICLOPYR IF RECOMMENDED IN TEXT ABOVE). FOLLOW LABEL DIRECTIONS FOR INJECTION AND FRILL APPLICATIONS. THIS IS MOST EFFECTIVE FROM MIDDLE TO LATE SUMMER. CLIP OFF ANY SUCKER SPROUTS OR TREAT WITH GLYPHOSATE

CLIP / CUT STUMP WITH GLYPHOSATE (IF SPECIFIED ABOVE).

FOLLOW LABEL DIRECTIONS FOR CUT STUMP APPLICATION. CLIP OFF SUCKER SPROUTS OR PAINT WITH GLYPHOSATE. SEE NOTE ON HERBICIDES

FOLIAR SPRAY WITH GLYPHOSATE HERBICIDE (SEE NOTE ON HERBICIDES).

USE A BACKPACK OR GARDEN SPRAYER OR MIST BLOWER, FOLLOWING LABEL DIRECTIONS. AVOID OVERSPRAY AND/OR DRIPPING onto NON-TARGET PLANTS, BECAUSE GLYPHOSATE KILLS MOST PLANTS EXCEPT MOSS. IF IT ROLLS OFF WAXY OR GRASS-LIKE FOLIAGE, USE AN ADDITIONAL SPRAYER. DEADEN TREES, SHRUBS, AND PERENNIALS. MOVE NUTRIENTS DOWN TO THE ROOTS IN LATE SUMMER. GLYPHOSATE IS PARTICULARLY EFFECTIVE AT THIS TIME AND WHEN PLANTS HAVE JUST GONE OUT OF FLOWERING. SEVERAL INVASIVE SPECIES RETAIN THEIR FOLIAGE AFTER NATIVE PLANTS HAVE LOST THEIRS, AND ARE LOST EARLIER IN SPRING THAN MOST NATIVES. THIS ALLOWS YOU TO TREAT THEM WITHOUT HARMING THE NATIVES. HOWEVER, THE PLANT MUST BE ACTIVELY GROWING FOR THE HERBICIDE TO WORK. RETREATMENTS MAY BE NECESSARY THE FOLLOWING YEAR IF SUCKERING OCCURS OR THE PLANT HASN'T BEEN ENTIRELY KILLED.

SEASONAL CLEANUP:

1. SPRING CLEANUP:
- REMOVE ALL SAND AND DEBRIS FROM LAWN AREAS.
  - RAKE OR THATCH OUT ALL WINTER DIE OUT FROM THE LAWN.
  - PRUNE ALL WINTER DAMAGE FROM SHRUBS AND TREES AND ANY OTHER OTHER
  - KEEP PLANTING HELP KEEP PLANT SHAPE.
  - EDGE AND MULCH ALL BEDS.
  - ALL TURF AREAS SHALL BE LIMED, FERTILIZED-IF NEEDED APPLY PRE-EMERGENT CRABGRASS CONTROL.
2. CRABGRASS CONTROL:
- IF NEEDED APPLY ANY INSECTICIDE.
  - APPLY INSECT CONTROL, IF NEEDED.
  - CATCHBASINS SHALL BE CLEANED OUT.
  - INSPECT DRAINAGE BASIN, CLEAN IF NEEDED. SEE EROSION & SEDIMENTATION PLAN.

3. FALL CLEANUP:
- REMOVE ALL LEAVES AND DEBRIS FROM LAWNS AND PLANT BEDS.
  - LEAF MULCHING WILL OCCUR WHEN DEEMED APPROPRIATE.
  - IN THE EVENT OF EXCESSIVE LEAF ACCUMULATION LEAVES WILL BE SHREDDED AND COMPOSTED OFFSITE.
  - FERTILIZE AND APPLY BROADLEAF WEED CONTROL IF NEEDED.
  - APPLY INSECT CONTROL, IF NEEDED.
  - RESEED LAWN AREAS IN SEPTEMBER AS NEEDED.
  - IRRIGATION SHUT DOWN TO INCLUDE BLOWING ALL LINES FREE OF WATER.
  - SWEEP ALL WALKWAYS, PARKING LOTS, AND DRIVEWAYS.
  - INSPECT ALL CATCH BASINS AND CLEAN IF NEEDED.
  - INSPECT ALL RAIN LEADERS AND CLEAN OUT IF NEEDED.

LANDSCAPE MAINTENANCE:

VEGETATED AREAS IN THE LANDSCAPE WILL REDUCE EROSION, ENCOURAGE INFILTRATION OF RAINWATER, AND KEEP STORMWATER CLEAN. IT IS IMPORTANT TO MAINTAIN THE VEGETATED AREAS OF THE SITE.

PROPER MOWING IS ONE OF THE MOST IMPORTANT WAYS TO MAINTAIN A HEALTHY LAWN. MOW ONLY WHEN THE GRASS IS DRY TO GET A CLEAN CUT AND MINIMIZE THE SPREAD OF DISEASE. MOW GRASS TO A HEIGHT OF 3". MOW FREQUENTLY, CUTTING NO MORE THAN 1/3 OF THE HEIGHT OF THE GRASS AT A TIME. SHARPEN YOUR MOWER BLADES AFTER EVERY 10 HOURS OF MOWING.

—GRASS CLIPPINGS CONTAIN HIGH AMOUNTS OF NITROGEN, A KEY INGREDIENT IN FERTILIZER. MAKE ALL ATTEMPTS TO USE YOUR GRASS CLIPPINGS BY LEAVING THEM ON YOUR LAWN. IF THE GRASS CLIPPINGS ARE NOT USED, DO NOT DISPOSE OF THEM NEAR ANY WETLANDS AND/OR WATERBODIES AND DESIGNATE A PLACE TO COMPOST THEM IN AN UPLAND AREA.

—IF YOUR LAWN AREAS AND PLANT MATERIAL DEMAND FERTILIZER THEN USE ORGANIC OR SLOW RELEASE FERTILIZERS. FERTILIZE IN THE FALL, BUT IN COORDINATION WITH WEATHER PATTERNS.

—THE BEST DEFENSE AGAINST PESTS WITHIN THE GRASS IS TO USE AN INTEGRATED PEST MANAGEMENT SYSTEM WHICH CONSISTS OF BENEFICIAL INSECTS(LADY BUGS, SPIDERS,CERTAIN NEMETODES AND BACTERIA.)

—MINIMIZE WATERING THE LAWN AREAS. IF NEEDED WATER IN THE EARLY MORNING AND WATER DEEPLY AND INFREQUENTLY.

—IF NEEDED, THE TREES AND SHRUBS SHALL BE PRUNED BUT AT A MINIMUM OF ONCE A YEAR.

IMPERVIOUS SURFACE MAINTENANCE:

THE PARKING LOTS SHALL BE SWEEP AT A MINIMUM OF TWICE A YEAR. ACCUMULATED LEAVES AND GRASS CLIPPINGS SHALL ALSO BE REMOVED FROM THE IMPERVIOUS SURFACES AT A MINIMUM OF TWICE A YEAR.

LONG TERM POLLUTION PREVENTION PLAN:

A LONG-TERM POLLUTION PREVENTION PLAN IS AN IMPORTANT ELEMENT OF THE ROUTINE MAINTENANCE AND MAINTENANCE OF AN INDUSTRIAL FACILITY THAT IS DESIGNED TO REDUCE OR ELIMINATE THE CREATION OF POLLUTANTS AT THE SOURCE. IN ADDITION TO THE OBVIOUS ENVIRONMENTAL BENEFITS OF PROTECTING THE NATURAL RESOURCES DOWNSTREAM OF THE FACILITY, MAINTAINING A LONG-TERM POLLUTION PREVENTION PLAN WILL PROVIDE FOR A HEALTHIER AND SAFER WORK ENVIRONMENT. THE FOLLOWING LONG TERM POLLUTION PREVENTION PRACTICES WILL BE EMPLOYED AT THE FACILITY.

- GOOD HOUSEKEEPING PRACTICES:**
- MAINTAINING A CLEAN PROPERTY WILL PREVENT OR REDUCE THE AMOUNT OF POLLUTANTS IN THE STORMWATER RUNOFF FROM THE SITE. THIS WILL BE ACHIEVED THROUGH PERIODIC PARKING LOT SWEEPING, AT THE OWNERS DISCRETION, AND THROUGH CATCH BASIN AND INFILTRATION BASIN CLEANING AS DETAILED WITHIN THE STORMWATER OPERATION AND MAINTENANCE PLAN.

- PROVISIONS FOR STORING MATERIALS AND WASTE PRODUCTS INSIDE OR UNDER COVER:**
- MATERIALS AND PESTICIDES SHALL BE STORED IN SECURE CONTAINERS AND SHALL BE STORED UNDER COVER OR IN A SECURE ENCLOSURE TO REDUCE THE RISK OF SPILLS. WASTE PRODUCTS WILL BE PLACED IN PROPER BINS UNTIL EMPTIED BY A LICENSED SOLID WASTE MANAGEMENT COMPANY.

- VEHICLE WASHING CONTROLS:**
- VEHICLE WASHING IS NOT ANTICIPATED TO OCCUR AT THIS SITE, HOWEVER IF WASHING IS NEEDED IT SHALL BE CONDUCTED IN PAVEMENT AREAS WHERE THE WASH WATER WILL BE COLLECTED AND CONVEYED THROUGH CATCH BASINS AND WATER QUALITY UNITS PRIOR TO DISCHARGING TO THE CATCH INFILTRATION BASINS.

- REQUIREMENTS FOR ROUTINE INSPECTIONS AND MAINTENANCE OF STORMWATER BMPs:**
- COLLECT THE MAINTENANCE SCHEDULE PROVIDED IN THE STORMWATER OPERATION AND MAINTENANCE PLAN.

- SPILL PREVENTION AND RESPONSE PLANS:**
- MATERIALS SHALL BE STORED IN THEIR PROPER ORIGINAL CONTAINER IN A SECURE LOCATION. NO MIXING OF MATERIALS SHALL OCCUR UNLESS RECOMMENDED BY THE MANUFACTURER. THE MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHOULD BE STRICTLY ADHERED TO. IN THE CASE OF A SPILL, THE MANUFACTURER'S METHOD FOR CLEANUP SHALL BE FOLLOWED. THE AREA SHALL BE KEPT VENTILATED AND PERSONNEL HANDLING THE SPILL SHALL WEAR APPROPRIATE PROTECTIVE CLOTHING. SPILLS OF TOXIC OR HAZARDOUS MATERIAL SHALL BE REPORTED TO THE APPROPRIATE STATE AND/OR LOCAL AUTHORITY IN ACCORDANCE WITH LOCAL AND/OR STATE REGULATIONS.

- PROVISIONS FOR MAINTENANCE OF LAWNS, GARDENS, AND OTHER LANDSCAPED AREAS:**
- OWNER WILL MAINTAIN SURROUNDING LANDSCAPED AREA AS NEEDED. THESE SERVICES SHALL BE PROVIDED BY A THIRD-PARTY LANDSCAPE PROFESSIONAL.

- REQUIREMENTS FOR STORAGE AND USE OF FERTILIZERS, HERBICIDES, AND PESTICIDES:**
- FERTILIZERS, HERBICIDES AND PESTICIDES SHALL BE STORED IN THEIR APPROPRIATE CONTAINERS IN A SECURE LOCATION AS DESCRIBED ABOVE. PROTECTIVE CLOTHING SHALL BE USED WHEN HANDLED, AND QUANTITIES SHALL BE APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

- PET WASTE MANAGEMENT PROVISIONS:**
- PET WASTE MANAGEMENT IS NOT APPLICABLE AT THIS SITE.

- PROVISIONS FOR OPERATION AND MANAGEMENT OF SEPTIC SYSTEMS:**
- SEPTIC SYSTEMS ARE NOT APPLICABLE AT THIS SITE.

- PROVISIONS FOR SOLID WASTE MANAGEMENT:**
- SOLID WASTE MATERIAL SHALL BE PLACED IN OUTDOOR SECURE CONTAINERS UNTIL EMPTIED BY A LICENSED WASTE MANAGEMENT COMPANY.

- SNOW DISPOSAL AND PLOWING PLANS RELATIVE TO WETLAND RESOURCE AREAS:**
- NO RESOURCE AREAS ARE LOCATED ON THE PROPERTY

- STREET SWEEPING SCHEDULES**
- STREET SWEEPING WILL OCCUR AS NEEDED AT THE DISCRETION OF THE OWNER.

- PROVISIONS FOR PREVENTION OF ILLEGAL DISCHARGES TO THE STORMWATER MANAGEMENT SYSTEM:**

THE STORMWATER MANAGEMENT SYSTEM ASSOCIATED WITH THE DEVELOPMENT HAS BEEN DESIGNED SUCH THAT PRIOR TO STORM WATER RUNOFF DISCHARGING FROM THE SITE, IT IS TREATED THROUGH A SERIES OF BEST MANAGEMENT PRACTICES. TO THE ENGINEER'S KNOWLEDGE, THERE ARE NO KNOWN OR DESIGNED NON-STORM WATER DISCHARGES EXISTING SUCH THAT PRIOR TO STORM WATER RUNOFF DISCHARGING FROM THE SITE, IT WOULD CONVEY POLLUTANTS DIRECTLY TO GROUNDWATER OR SURFACE WATERS.

- DOCUMENTATION THAT STORMWATER BMPs ARE DESIGNED TO PROVIDE FOR SHUTDOWN AND CONTAINMENT IN THE EVENT OF A SPILL OR DISCHARGES TO OR NEAR CRITICAL AREAS, ADJACENT WETLANDS OR FROM A LIQUEFA:**
- WATER QUALITY UNITS ARE DESIGN TO CAPTURE AND STORE OILS AND FLOATABLE DEBRIS. ALL CATCH BASINS SHALL BE EQUIPPED WITH HOODS TO PREVENT OILS AND FLOATABLES FROM DISCHARGING.

- TRAINING FOR STAFF OR PERSONNEL INVOLVED WITH THE IMPLEMENTING LONG TERM POLLUTION PREVENTION PLAN:**
- FACILITIES STAFF WILL BE RESPONSIBLE FOR IMPLEMENTING THE LONG TERM POLLUTION PREVENTION PLAN AND STAFF WILL BE TRAINED IN ACCORDANCE WITH COMPANY POLICY

REGULAR MAINTENANCE FOR POROUS ASPHALT

- STOCKPILING OF MATERIALS ON POROUS ASPHALT IS PROHIBITED
- REMOVAL OF LOOSE DEBRIS SUCH AS LEAVES OR TRASH SHOULD OCCUR WHENEVER PRESENT. REMOVAL MAY BE DONE SO BY USING A LEAVE BLOWER OR BROOM
- ASPHALT SHALL BE VACUUMED USING A VACUUM SWEEPER 1-2 TIMES PER YEAR
- IN THE EVENT THAT THE STANDING WATER REMAINS ON THE SURFACE OF A PAVEMENT AFTER A PRECIPITATION EVENT WITHIN 30 MINUTES, ASPHALT SHOULD BE CLEANED USING A POWER WASHER OR COMPRESSED AIR BLOWER AT AN ANGLE OF 30 DEGREES OR LESS CAN BE EFFECTIVE, PARTICULARLY IN COMBINATION WITH VACUUM OR VACUUM SWEEPER.

STORMWATER MANAGEMENT OPERATION & MAINTENANCE PLAN:

THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE STORMWATER COLLECTION SYSTEM INCLUDING DEEP SUMP CATCH BASINS, WATER QUALITY UNITS, UNDERGROUND INFILTRATION BASIN, TREE BOX FILTERS AND A RAIN GARDEN DURING CONSTRUCTION. AFTER CONSTRUCTION, THE PROPERTY OWNER IS RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE PROPOSED STORMWATER COLLECTION SYSTEM. THE FOLLOWING LONG-TERM OPERATION AND MAINTENANCE PLAN FOR THE PROJECT IS DESIGNED IN ACCORDANCE WITH DEEP STORMWATER MANAGEMENT STANDARD NO. 9 TO ENSURE THAT THE STORMWATER COLLECTION AND TREATMENT SYSTEM OPERATES IN ACCORDANCE WITH THE MADEP STORMWATER MANAGEMENT POLICY.

SCHEDULE FOR INSPECTION AND MAINTENANCE AFTER CONSTRUCTION:

STORMWATER MANAGEMENT SYSTEM OWNER/OPERATOR

- THE PROPERTY OWNER WILL BE THE OWNER AND OPERATOR OF THE PROPOSED STORMWATER COLLECTION SYSTEM ON SITE.
- IF THE PROPERTY IS SOLD, A COPY OF THIS OPERATION AND MAINTENANCE PLAN WILL BE TRANSFERRED TO THE NEW PROPERTY OWNERS.

DEEP SUMP CATCH BASINS

- INLETS SHOULD BE CLEANED A MINIMUM OF FOUR TIMES PER YEAR AND INSPECTED MONTHLY.
- ALL SEDIMENTS AND HYDROCARBONS SHOULD BE PROPERLY HANDLED AND DISPOSED, IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL GUIDELINES AND REGULATIONS
- STRUCTURES SHOULD BE INSPECTED AND MAINTAINED ACCORDING TO THE MANUFACTURER'S RECOMMENDATION.

SEDIMENT FOREBAY

- THE FOREBAY WILL BE CLEANED FOUR TIMES PER YEAR AND INSPECTED MONTHLY.
- ALL SEDIMENTS WILL BE PROPERLY HANDLED AND DISPOSED OF OFF-SITE, IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL GUIDELINES AND REGULATIONS.

WATER QUALITY UNITS

- STRUCTURE COVER SHOULD BE INSPECTED MONTHLY FOR EVIDENCE OF REPAIR. VERIFY THAT INVERTS ARE SECURE AND FREE FLOWING. MEASURE DEPTH OF SEDIMENT BELOW WATER LINE.
- UNIT SHALL BE CLEANED, A MINIMUM OF TWICE PER YEAR, ONE OF THESE CLEANINGS TO OCCUR BEFORE APRIL 15<sup>TH</sup> OF EACH YEAR AND ONE SHALL OCCUR BEFORE SEPTEMBER 15<sup>TH</sup> OF EACH YEAR. UNIT MUST BE CLEANED WITH A VACUUM PUMP.
- ALL LIQUID, SEDIMENT, AND HYDROCARBONS SHALL BE PUMPED FROM THE SUMP AT LEAST TWICE PER YEAR AT INTERVALS CORRESPONDING WITH THE UNIT CLEANING.
- ALL SEDIMENT, WATER AND HYDROCARBONS SHOULD BE PROPERLY HANDLED AND DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL GUIDELINES AND REGULATIONS.
- REFER TO WATER QUALITY UNIT MANUFACTURERS SPECIFICATIONS FOR ADDITIONAL MAINTENANCE RECOMMENDATIONS.

BELOW GRADE INFILTRATION BASIN

- ONCE CONSTRUCTED, BASINS WILL BE INSPECTED AT A MINIMUM AFTER SEVERAL STORM EVENTS FOR THE FIRST YEAR AND ANNUALLY

OWNER  
MACK DEVENS  
DEVELOPMENT, LLC.  
330 SMC DRIVE  
SOMERSET, WI 54025

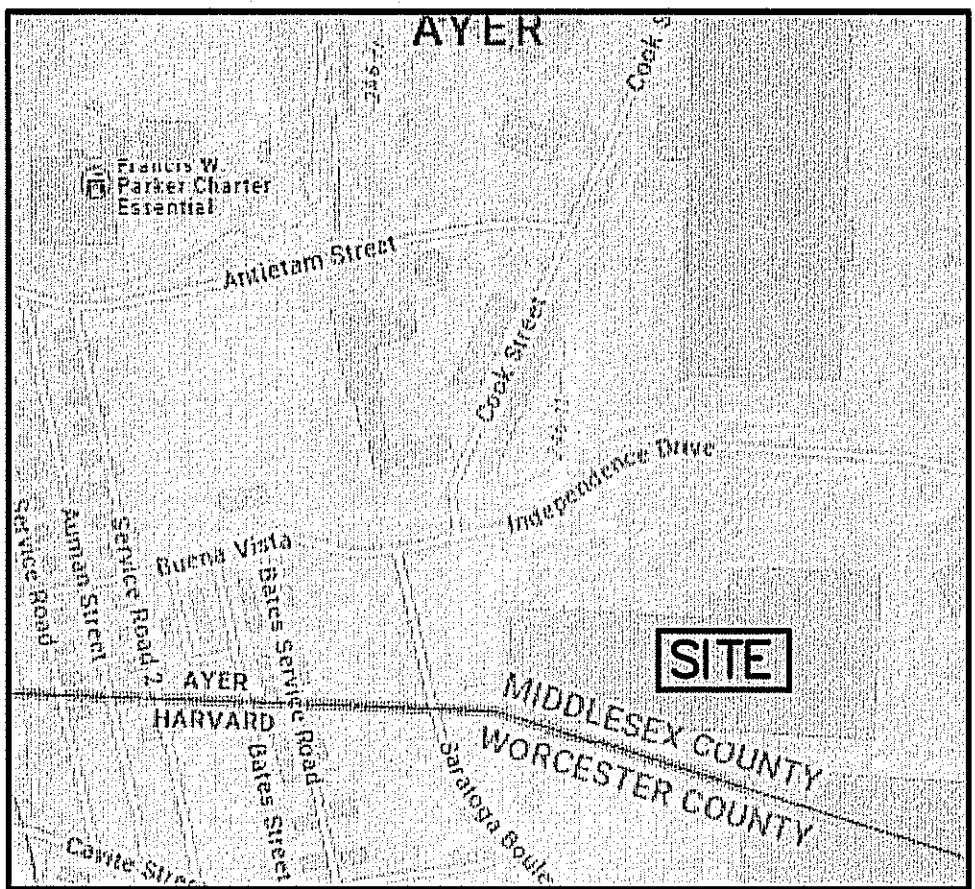
APPROVED:

DATE:

DEVENS ENTERPRISE COMMISSION CHAIRMAN

FOR REGISTRY USE ONLY

26-13-1300  
O'REILLY AUTO ENTERPRISES, LLC  
(PK 63222-533, PL 71A OF 2000)  
#15 INDEPENDENCE DRIVE

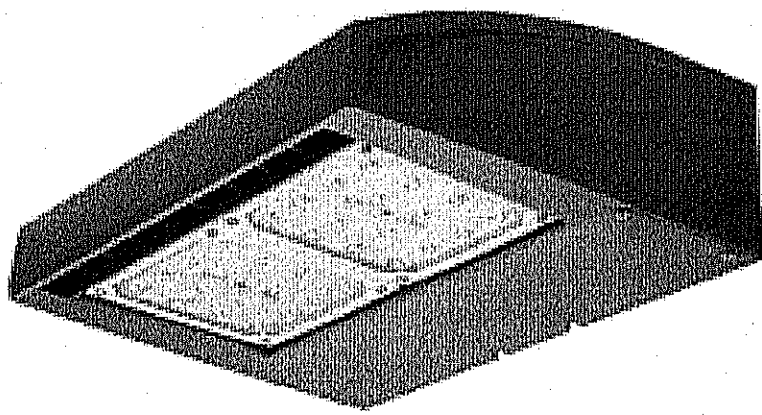


LOCUS PLAN

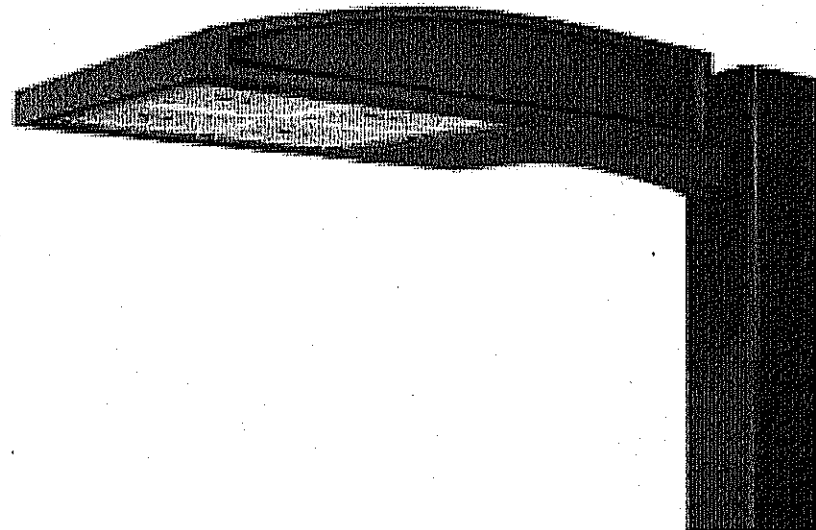
1"=500 FT.±

GENERAL NOTES:

- EXISTING CONDITIONS INFORMATION SHOWN IS FROM AN ON-THE-GROUND SURVEY COMPLETED BY TAUPER LAND SURVEY, 710 MAIN STREET OXFORD, MA 01537 IN OCTOBER 2021.
- THE LAND SHOWN HEREON IS NOT SITUATED IN THE 100-YEAR FLOOD HAZARD ZONE PER THE MASSGIS ONLINE DATA VIEW, OLIVER.
- NO WETLAND RESOURCE AREAS WERE OBSERVED WITHIN 100-FEET OF THE PROJECT SITE.
- PROPOSED USE WILL NOT GENERATE ELECTROMAGNETIC INTERFERENCE TO ANY SENSITIVE RECEPTOR. INTERFERENCE WITH THE HARVARD-SMITHSONIAN RADIO TELESCOPE (1400-1720 MHz) IS SPECIFICALLY PROHIBITED.
- PROPOSED USE WILL NOT CAUSE PRONOUNCED, MULTIPLE PATTERNS OF NOISE OR VIBRATION NUISANCE TO, OR INTERFERE WITH ANY SENSITIVE RECEPTOR.
- A DEP AIR QUALITY PERMIT IS NOT REQUIRED.
- ALL FIXTURES TO BE BLACK AND 3000K TEMPERATURE
- ALL FIXTURES SHALL HAVE RECESSED LIGHT SOURCES NOT GREATER THAN 90° FROM THE BUILDING AND PROPERLY SHIELDED TO PREVENT OFF-SITE GLARE TO COMPLY WITH 174 CMR 3.04 & 4.04



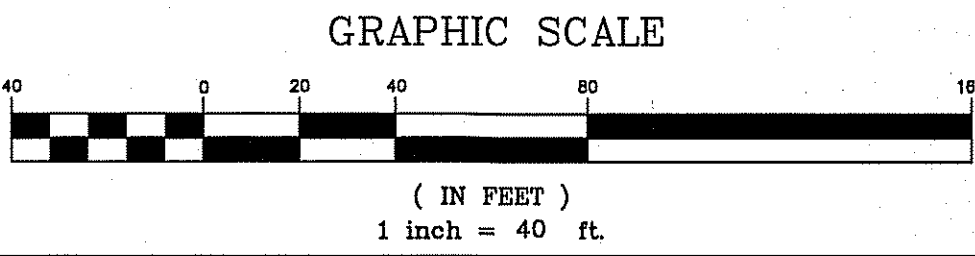
WALL MOUNTED FIXTURE



PARKING LOT FIXTURE

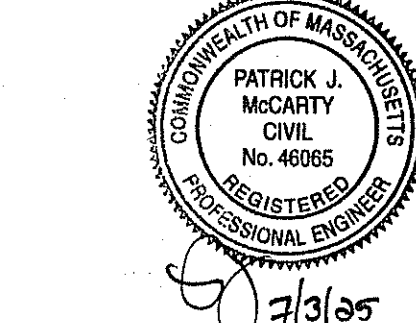
Luminaire Schedule		Qty	Label	Description	LLF	Luminaire Lumens	Luminaire Watts	Mounting Height
Symbol								
[Symbol]	+	2	SL1	MCGRAW-EDISON: GALN-SB2C-730-U-T4FT	0.900	14803	100.9	25.30
[Symbol]	H	10	W1	STREETWORKS: GAW-SA2D-730-U-T4FT	0.900	14835	129	25
[Symbol]	+	2	W2	STREETWORKS: GAW-SA1B-730-U-T4FT	0.900	5592	44	25

Calculation Summary						
Label	Units	Avg	Max	Min	Avg/Min	Max/Min
SITE	Fc	0.52	3.4	0.0	N/A	N/A
PARKING	Fc	1.06	2.5	0.1	10.60	25.00
REAR LOADING	Fc	1.26	3.1	0.2	6.30	15.50



APPROVED BY THE DEVENS  
ENTERPRISE COMMISSION  
DATE:

No. Date Revision



Drawn By: JLL  
Designed By: JLL  
Checked By: JLL

McCarty Engineering, Inc.  
Civil Engineers  
42 Tucker Drive, Leominster, MA 01453  
phone: (978) 534-1318 fax: (978) 840-6907  
www.mccartydb.com

Project Name  
Mack Devens  
Development, LLC.  
18 Independence Drive  
Devens, MA  
Sheet Title  
Lighting  
Plan

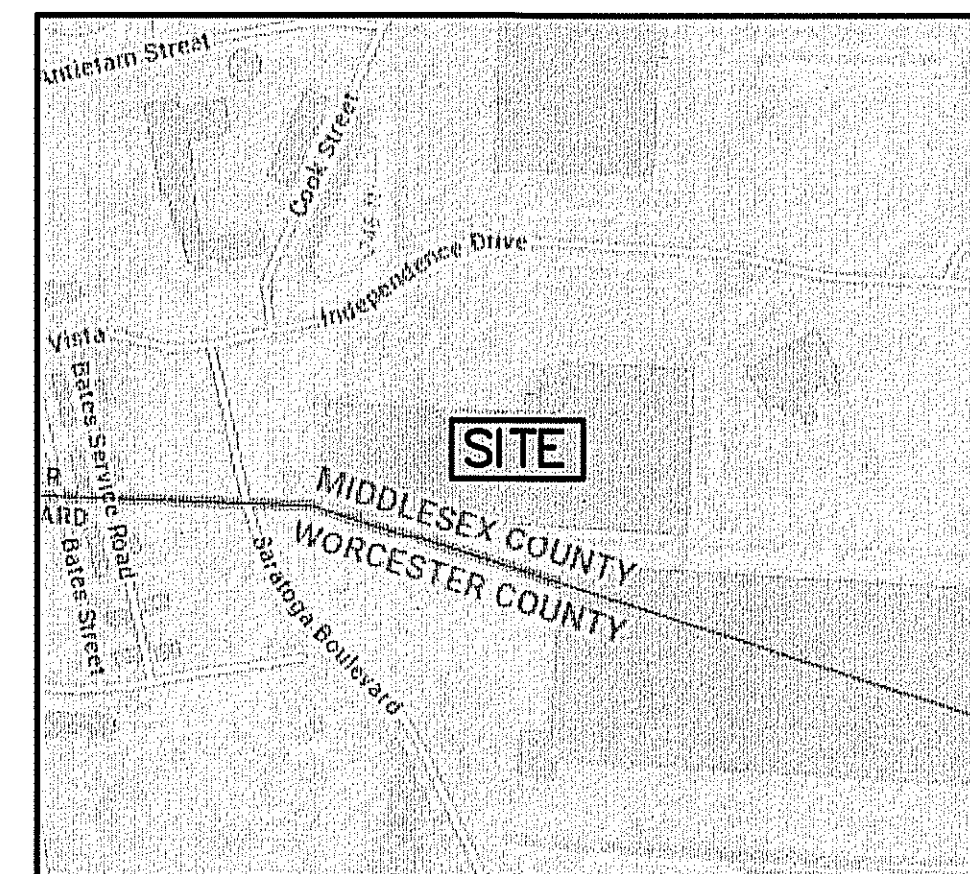
Job No: 127.01.001  
File Name: 127.01.001P-LIT01  
Date: July 3, 2025  
Scale: 1"=40'  
Sheet No.  
9

OWNER  
MACK DEVENS  
DEVELOPMENT, LLC.  
330 SMC DRIVE  
SOMERSET, WI 54025

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
DEVENS ENTERPRISE COMMISSION CHAIRMAN

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26-13-1300  
O'REILLY AUTO ENTERPRISES, LLC  
(BK 63222-533, PL 714 OF 2000)  
#15 INDEPENDENCE DRIVE

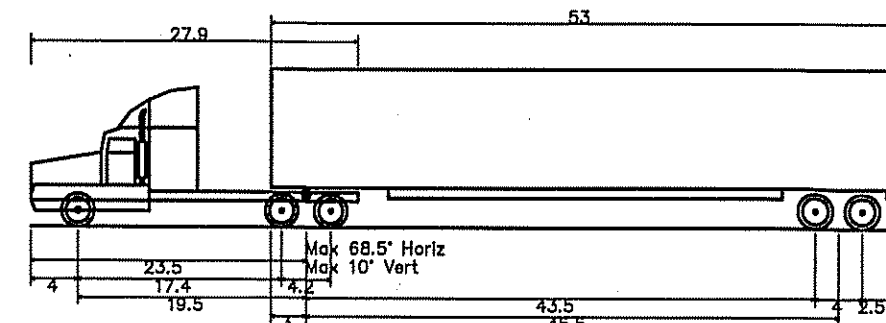
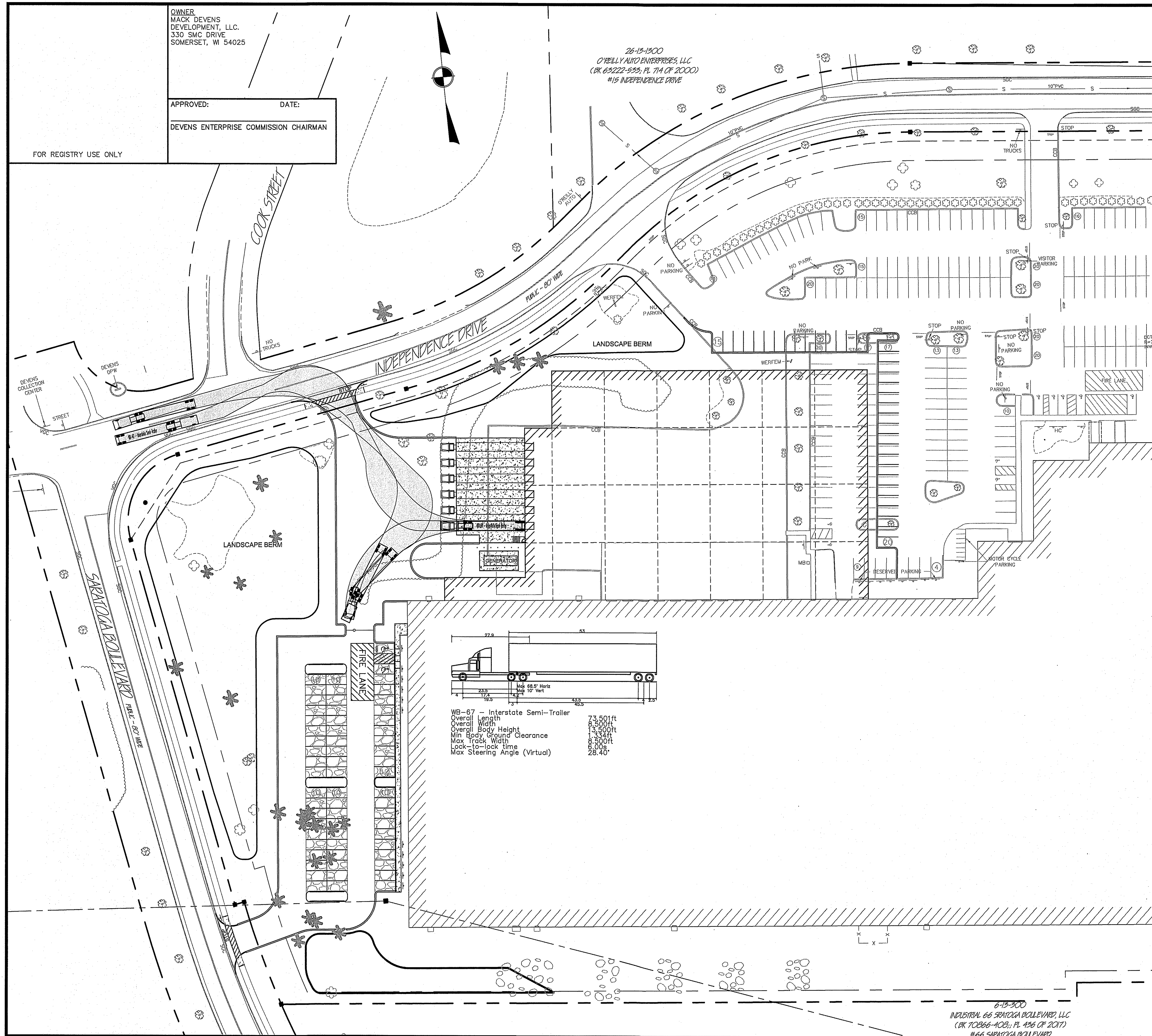


### LOCUS PLAN

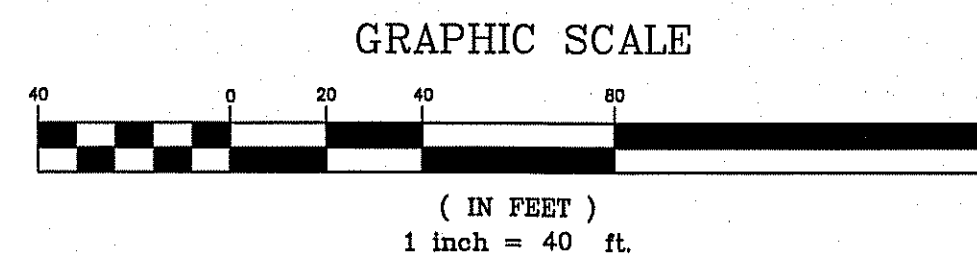
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#### GENERAL NOTES:

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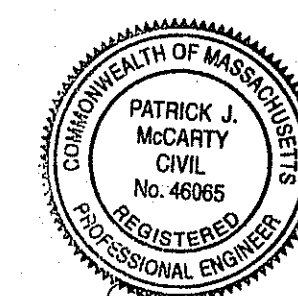


WB-67 - Interstate Semi-Trailer  
Overall Length 73.501ft  
Overall Width 8.500ft  
Overall Body Height 13.500ft  
Min Body Ground Clearance 1.344ft  
Max Track Width 8.500ft  
Lock-to-lock time 6.00s  
Max Steering Angle (Virtual) 28.40°



APPROVED BY THE DEVENS  
ENTERPRISE COMMISSION  
DATE: \_\_\_\_\_

No. Date Revision



Drawn By: JLL Designed By: JLL Checked By: JLL

McCarty Engineering, Inc.  
Civil Engineers  
42 Tucker Drive, Leominster, MA 01453  
phone:(978) 534-1318 fax: (978) 840-6907  
www.mccartydb.com

Project Name  
Mack Devens  
Development, LLC.  
18 Independence Drive  
Devens, MA  
Sheet Title  
Truck Turning  
Plan

Job No: 127.01.001 Sheet No:  
File Name: 127.01.001P-TRN01  
Date: July 3, 2025  
Scale: 1"=40'

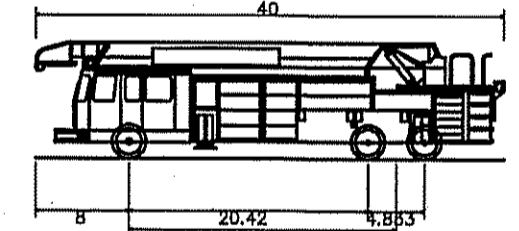
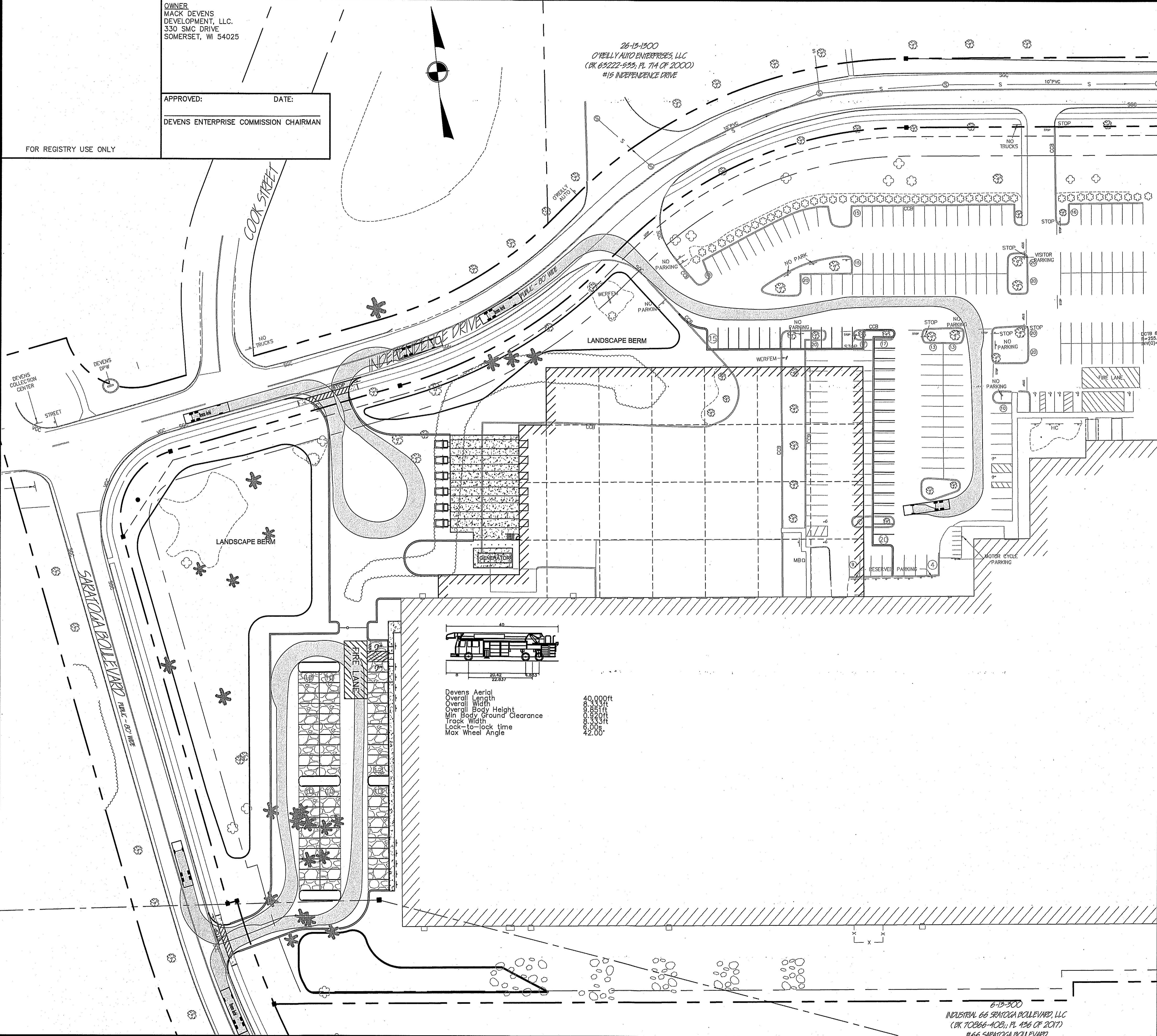
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OWNER  
MACK DEVENS  
DEVELOPMENT, LLC.  
330 SMC DRIVE  
SOMERSET, WI 54025

APPROVED: DATE:  
DEVENS ENTERPRISE COMMISSION CHAIRMAN

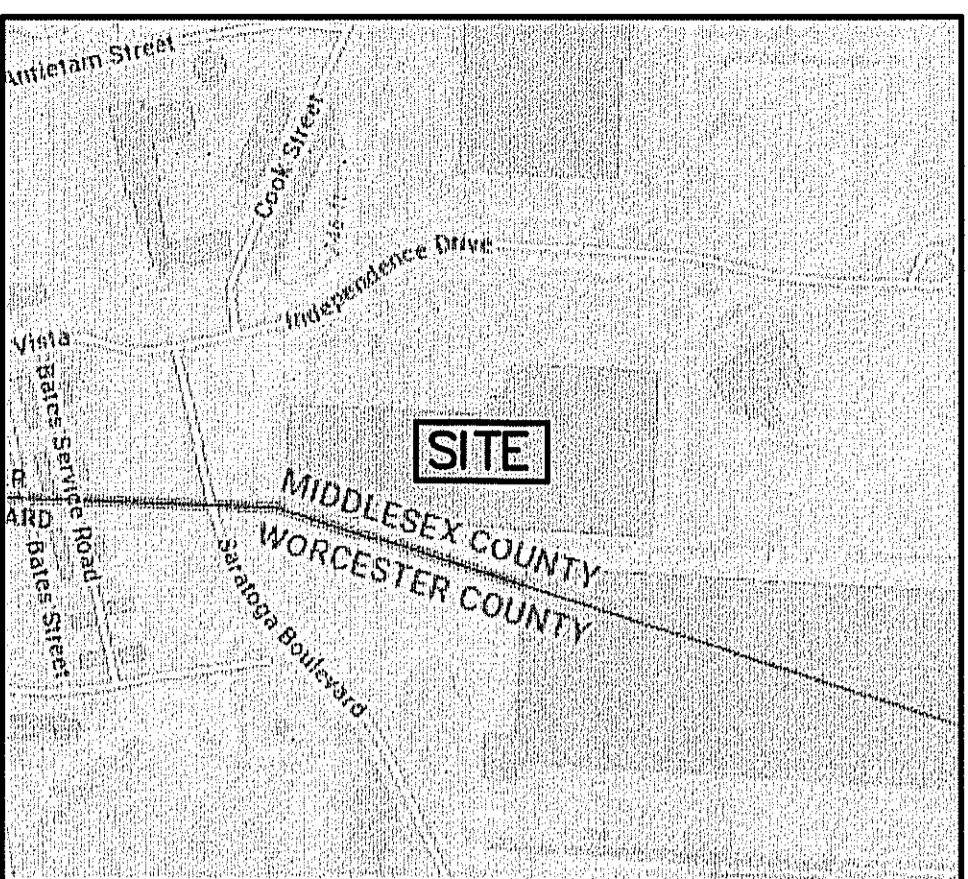
FOR REGISTRY USE ONLY

28-13-1300  
O'REILLY AUTO ENTERPRISES, LLC  
(BK 69222-533, PL 714 OF 2000)  
#15 INDEPENDENCE DRIVE



Devens Aerial  
Overall Length 40.000ft  
Overall Width 8.333ft  
Overall Body Height 8.651ft  
Min Body Ground Clearance 6.920ft  
Track Width 8.333ft  
Lock-to-lock time 6.00s  
Max Wheel Angle 42.00°

6-15-300  
INDUSTRIAL 66 SARATOGA BOULEVARD, LLC  
(BK 70866-ACB, PL 136 OF 2017)  
#66 SARATOGA BOULEVARD

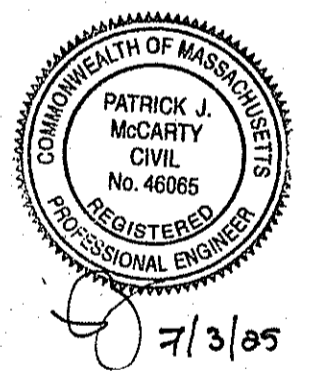


LOCUS PLAN  
1"=500 FT.±

- GENERAL NOTES:
- EXISTING CONDITIONS INFORMATION SHOWN IS FROM AN ON-THE-GROUND SURVEY COMPLETED BY TAUPER LAND SURVEY, 710 MAIN STREET OXFORD, MA 01537 IN MAY OF 2025.
  - THE LAND SHOWN HEREON IS NOT SITUATED IN THE 100-YEAR FLOOD HAZARD ZONE PER THE MASSGIS ONLINE DATA VIEW, OLIVER.
  - NO WETLAND RESOURCE AREAS WERE OBSERVED WITHIN 100-FEET OF THE PROJECT SITE.
  - PROPOSED USE WILL NOT GENERATE ELECTROMAGNETIC INTERFERENCE TO ANY SENSITIVE RECEPTOR. INTERFERENCE WITH THE HARVARD-SMITHSONIAN RADIO TELESCOPE (1400-1720 MHZ) IS SPECIFICALLY PROHIBITED.
  - PROPOSED USE WILL NOT CAUSE PRONOUNCED, MULTIPLE PATTERNS OF NOISE OR VIBRATION NUISANCE TO, OR INTERFERE WITH ANY SENSITIVE RECEPTOR.
  - A DEP AIR QUALITY PERMIT IS NOT REQUIRED.

APPROVED BY THE DEVENS  
ENTERPRISE COMMISSION  
DATE:

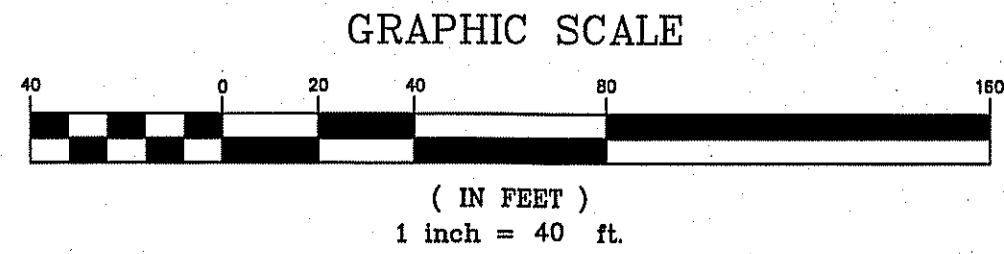
No.	Date	Revision
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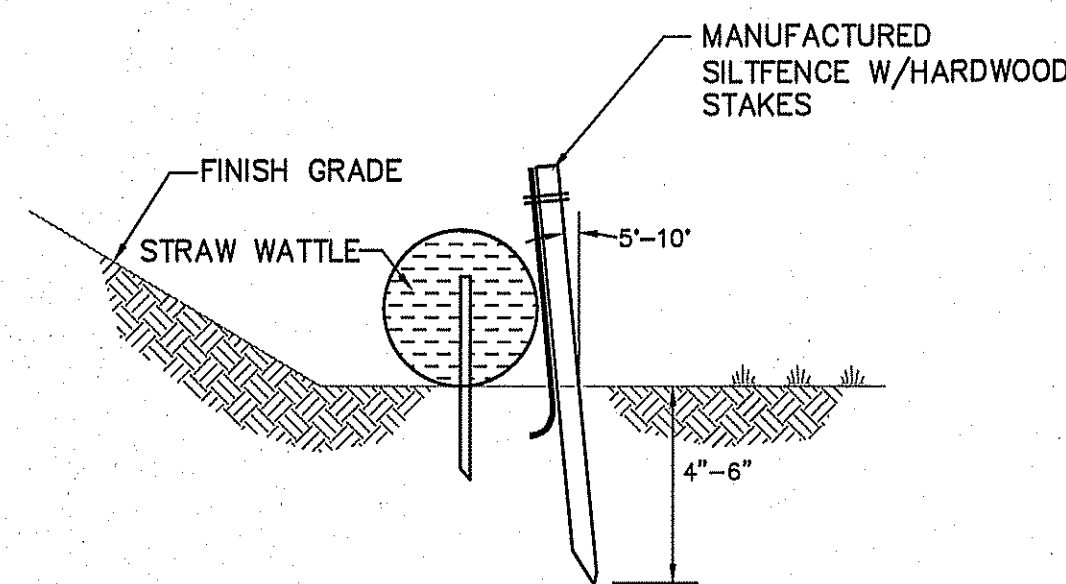


Drawn By: JLL    Designed By: JLL    Checked By: JLL

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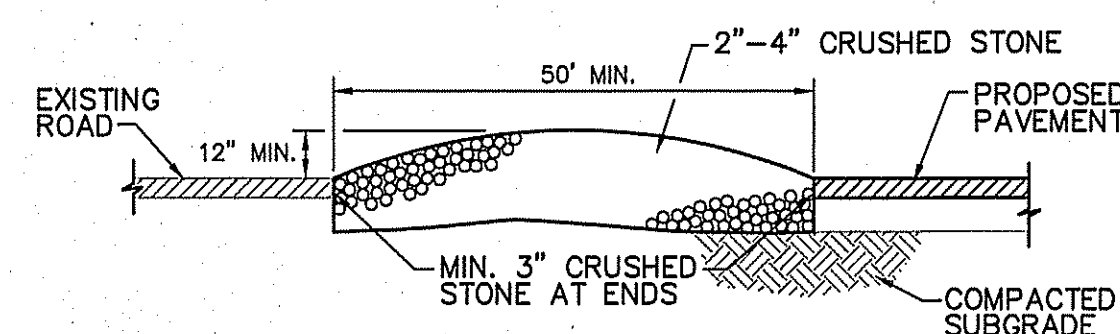
Project Name  
**Mack Devens  
Development, LLC.  
18 Independence Drive  
Devens, MA**  
Sheet Title  
**Fire Truck  
Turning Plan**





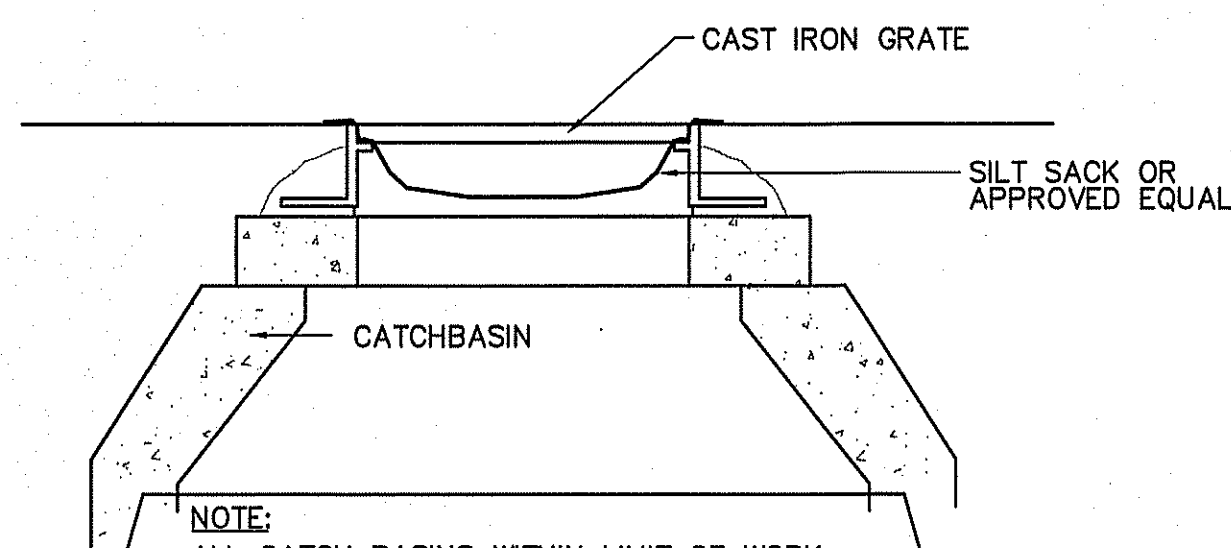
- NOTE: 1. STRAW WATTLES SHALL BE INSTALLED ON CONTOUR AND STAKED WITH 18 OR 24 INCH WOOD STAKES AT FOUR FEET ON CENTER
2. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES  $\frac{1}{2}$  OF ROLL HEIGHT

**STRAW WATTLE / SILT FENCE DETAIL**  
N.T.S.



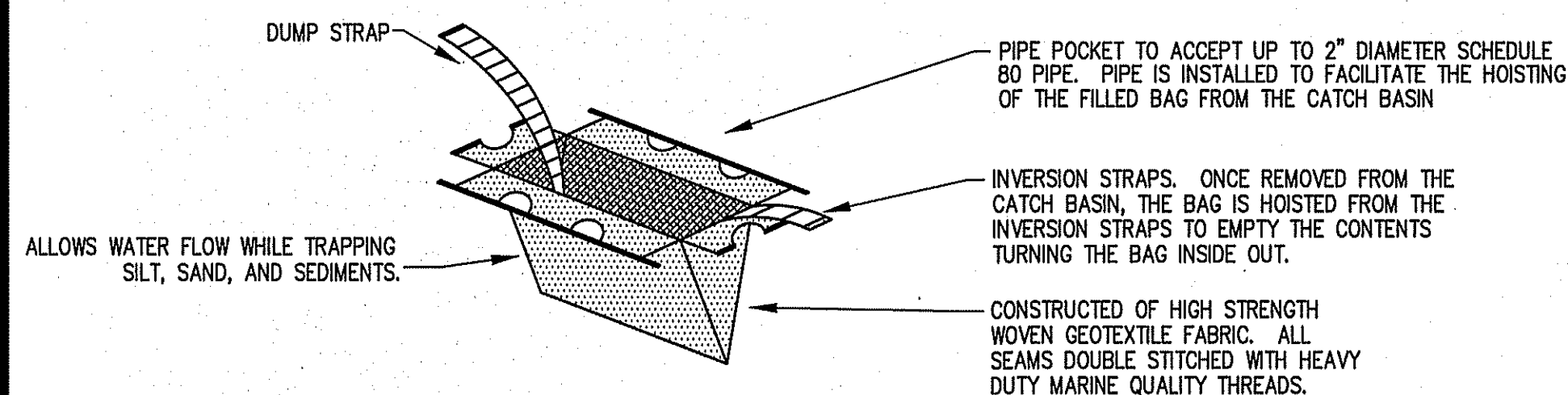
- NOTES:
- THE PURPOSE OF THIS TEMPORARY BERM IS TO REMOVE MUD FROM THE TIRES OF VEHICLES LEAVING THE SITE DURING CONSTRUCTION.
- PROVIDE LEVEL AREA OF CRUSHED STONE 50 FEET IN FROM EDGE OF EXISTING ROAD.

**CONSTRUCTION ENTRANCE BERM**  
N.T.S..



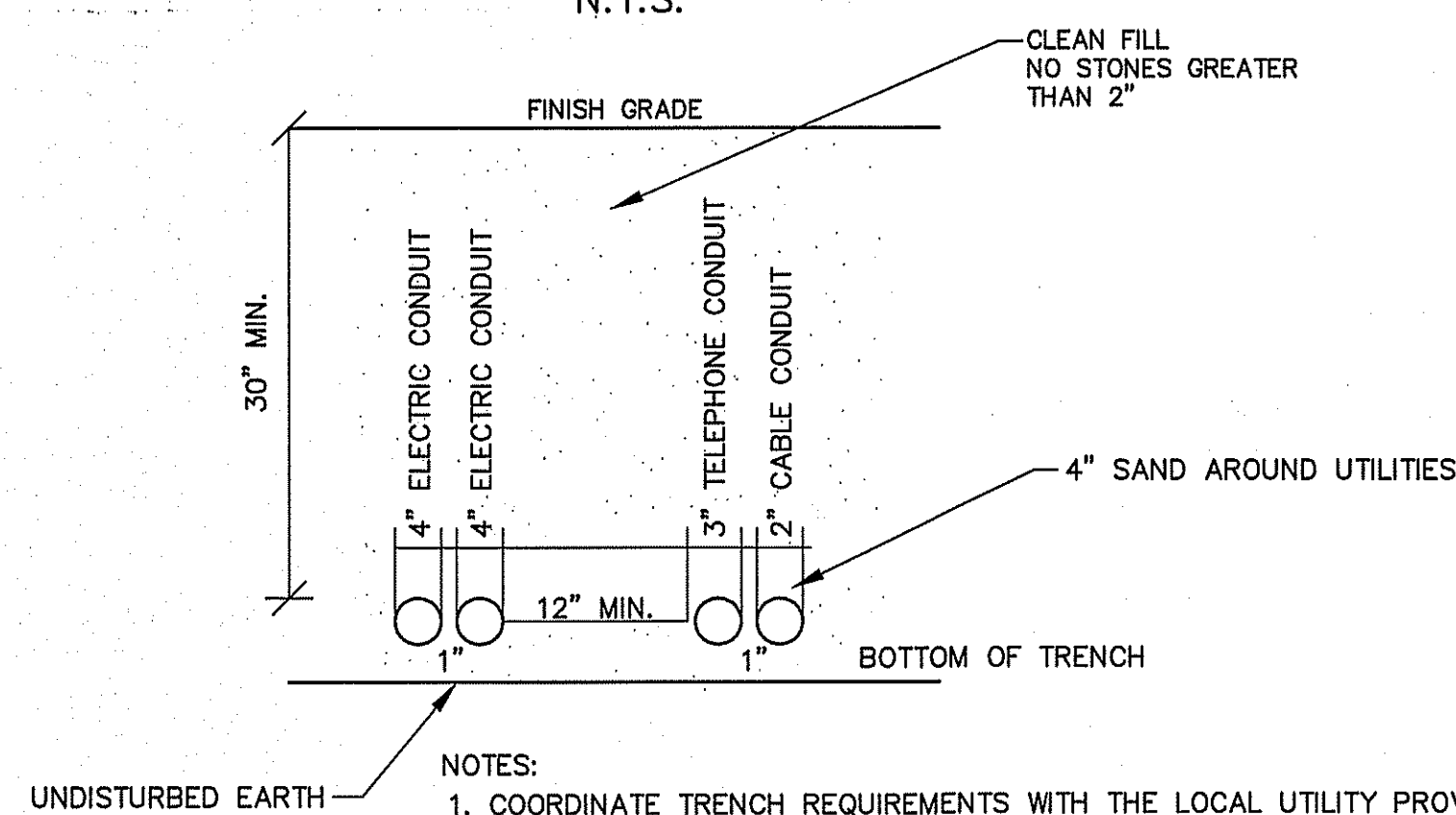
- NOTE:
- ALL CATCH BASINS WITHIN LIMIT OF WORK SHALL BE EQUIPPED WITH SILT SACKS OR APPROVED EQUAL.

**TEMPORARY CATCHBASIN FILTER**  
N.T.S.



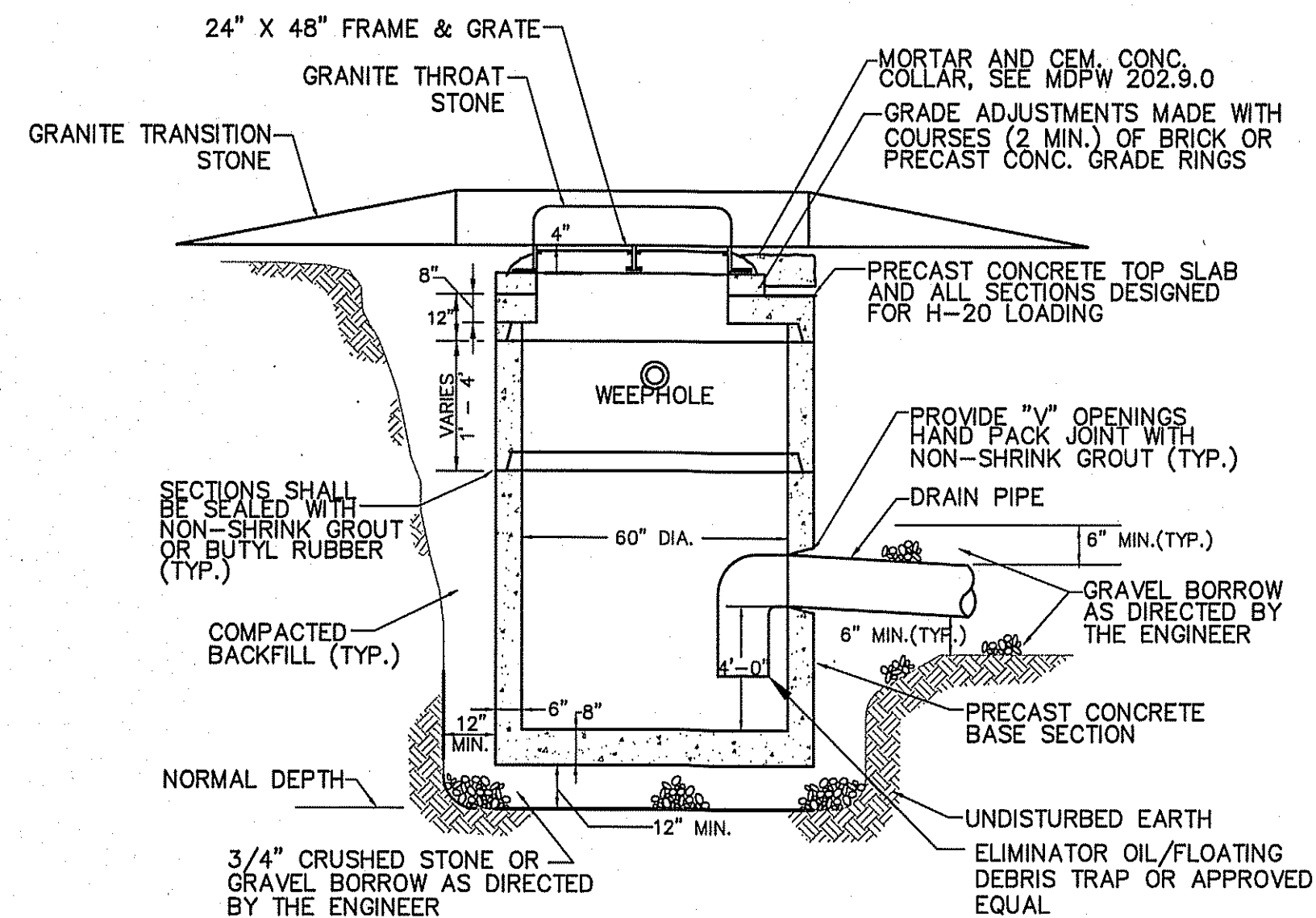
- NOTES:
1. PRODUCT TO BE "SILT SACK" MANUFACTURED BY REED AND GRAHM, INC. SACRAMENTO, CA, OR APPROVED EQUAL.

**SILT BAG**  
N.T.S.



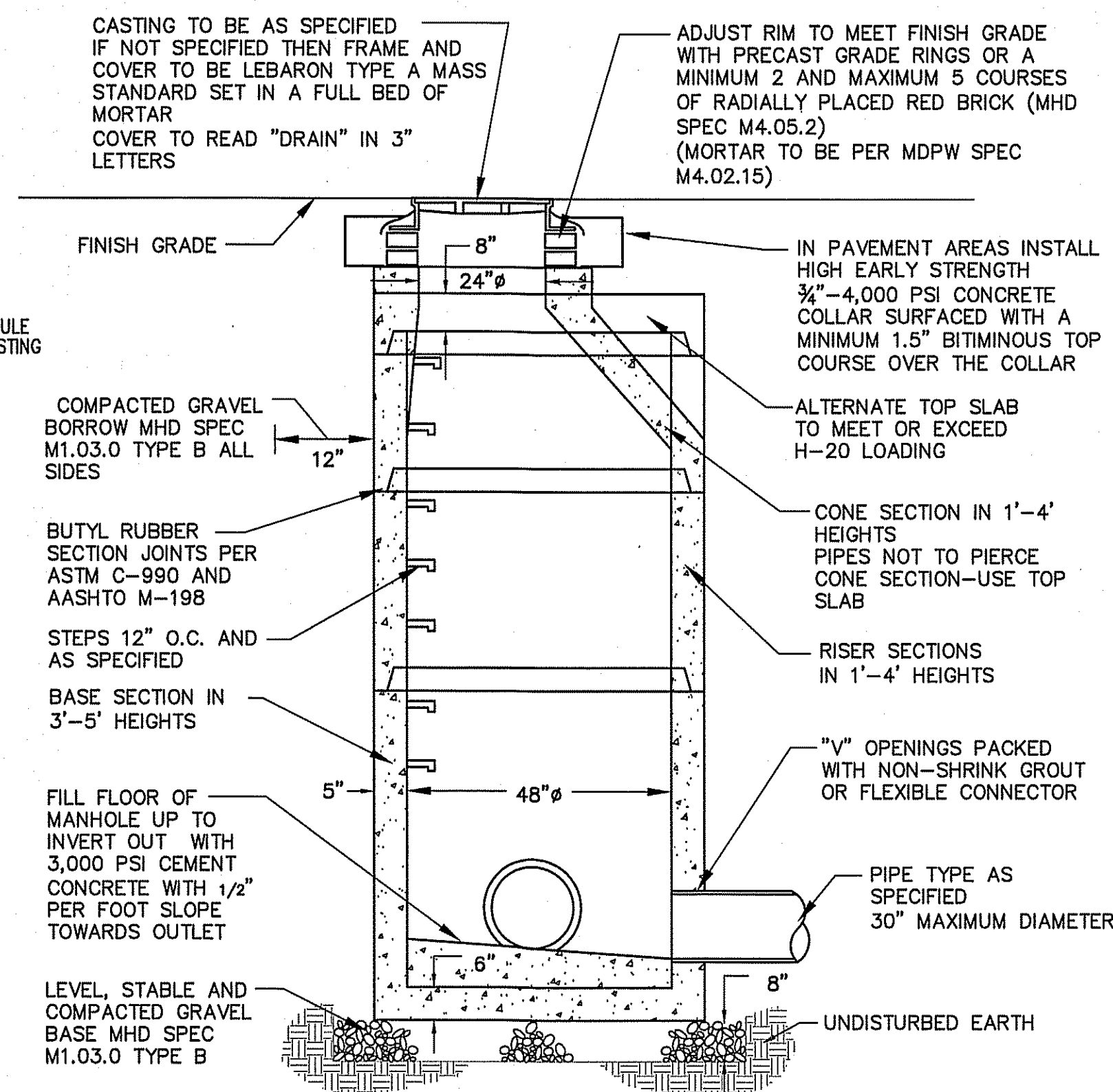
- NOTES:
1. COORDINATE TRENCH REQUIREMENTS WITH THE LOCAL UTILITY PROVIDER

**TYPICAL UTILITY TRENCH DETAIL**  
N.T.S.



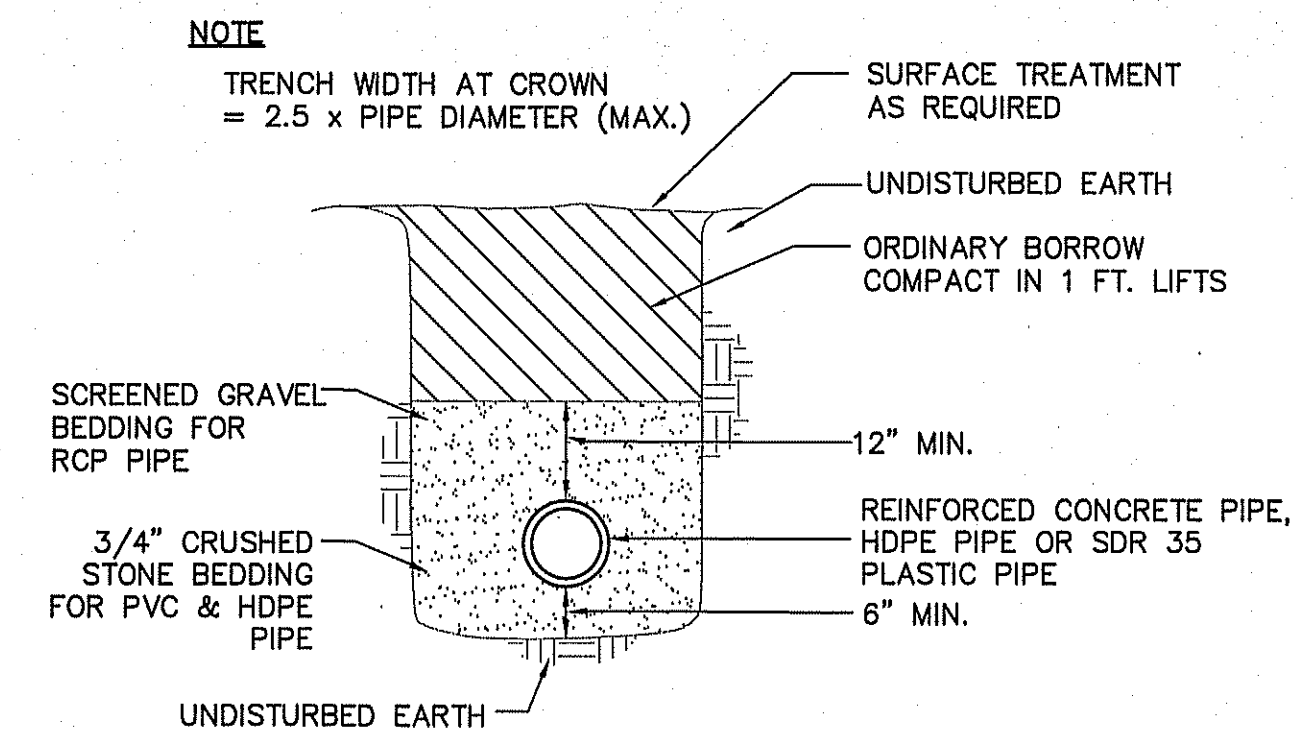
- NOTES:
1. CATCH BASIN SHALL BE PRECAST CEMENT CONCRETE MANUFACTURED IN ACCORDANCE WITH ASTM C-478 DESIGNED FOR H-20 LOADING.
2. DRAIN PIPE FOR LATERAL CONNECTIONS SHALL BE INSTALLED AND TEMPORARILY PLUGGED AS REQUIRED OR DIRECTED.
3. SEE GENERAL PLANS FOR PIPE SIZE, LINE AND GRADE.
4. BACKFILL MATERIAL SHALL CONSIST OF SUITABLE EXCAVATED MATERIAL AND/OR GRAVEL BORROW AS DIRECTED BY THE ENGINEER.
5. INSTALL FRAME & GRATE WITH 24" SIDE ALONG CURB INLET.

**PRECAST CONCRETE 60" DIAMETER  
DOUBLE CATCH BASIN DETAIL**  
N.T.S.



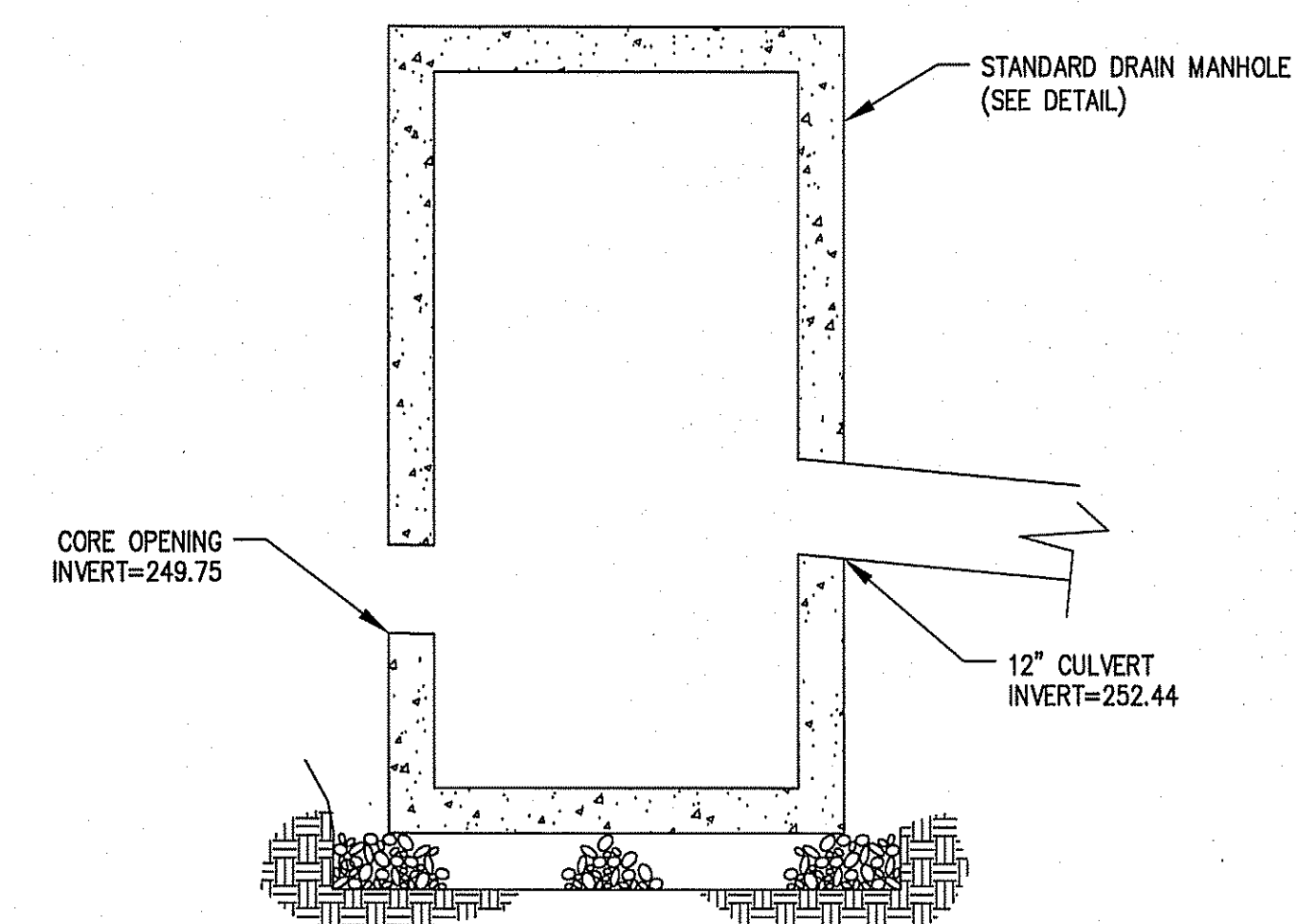
- NOTES:
1. EXCAVATION TO ALLOW FOR FREE TRAVEL OF COMPACTION EQUIPMENT
2. ALL COMPACTION TO A MINIMUM 95 PERCENT DRY DENSITY DETERMINED BY ASTM D1557 SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS
3. ALL PRECAST TO MEET OR EXCEED ASTM C-478 AND ASSHTO M 199 SPECIFICATIONS
4. REINFORCED STEEL TO MEET OR EXCEED ASTM A185 AND H-20 LOADING REQUIREMENTS
5. ALL PRECAST CONCRETE TO BE 4,000 PSI MINIMUM AND MEET ASTM C-478 (6.1)
6. IF NO STEPS ARE SPECIFIED THAN AS THE LOCAL MUNICIPALITY REQUIRES OR IF NO MUNICIPALITY REQUIREMENTS THEN COPOLYMER POLYPROPYLENE COATED REINFORCED PER ASTM C-478 AND OSHA (STD 1-1.9)
7. CONTRACTOR TO CONFIRM WITH CITY OR TOWN DPW THAT BRICK INVERTS ARE NOT A REQUIREMENT
8. FILL ALL INTERNAL AND EXTERNAL HOLES WITH NON-SHRINK GROUT

**PRECAST CONCRETE DRAIN MANHOLE DETAIL**  
N.T.S.



- NOTES:
1. TRENCH EXCAVATION WIDTH TO ALLOW FOR FREE TRAVEL OF COMPACTION EQUIPMENT
2. ALL COMPACTION TO A MINIMUM 95 PERCENT DRY DENSITY DETERMINED BY ASTM D1557.
3. SEE MANUFACTURERS SPECIFICATIONS FOR ADDITIONAL INSTALLATION REQUIREMENTS
4. AVOID HEAVY EQUIPMENT LOADS OVER PIPE DURING CONSTRUCTION

**DRAIN PIPE TRENCH DETAIL**  
N.T.S.



**OUTLET CONTROL STRUCTURE BASIN 1 DETAIL**  
N.T.S.

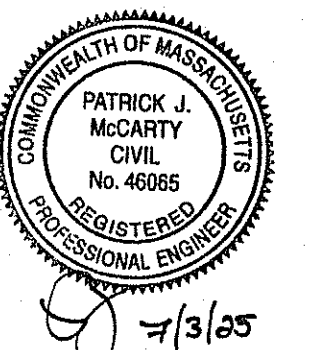
OWNER  
MACK DEVENS  
DEVELOPMENT, LLC.  
330 SMC DRIVE  
SOMERSET, WI 54025

APPROVED: DATE:  
DEVENS ENTERPRISE COMMISSION CHAIRMAN

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ENTERPRISE COMMISSION  
DATE:

No. Date Revision



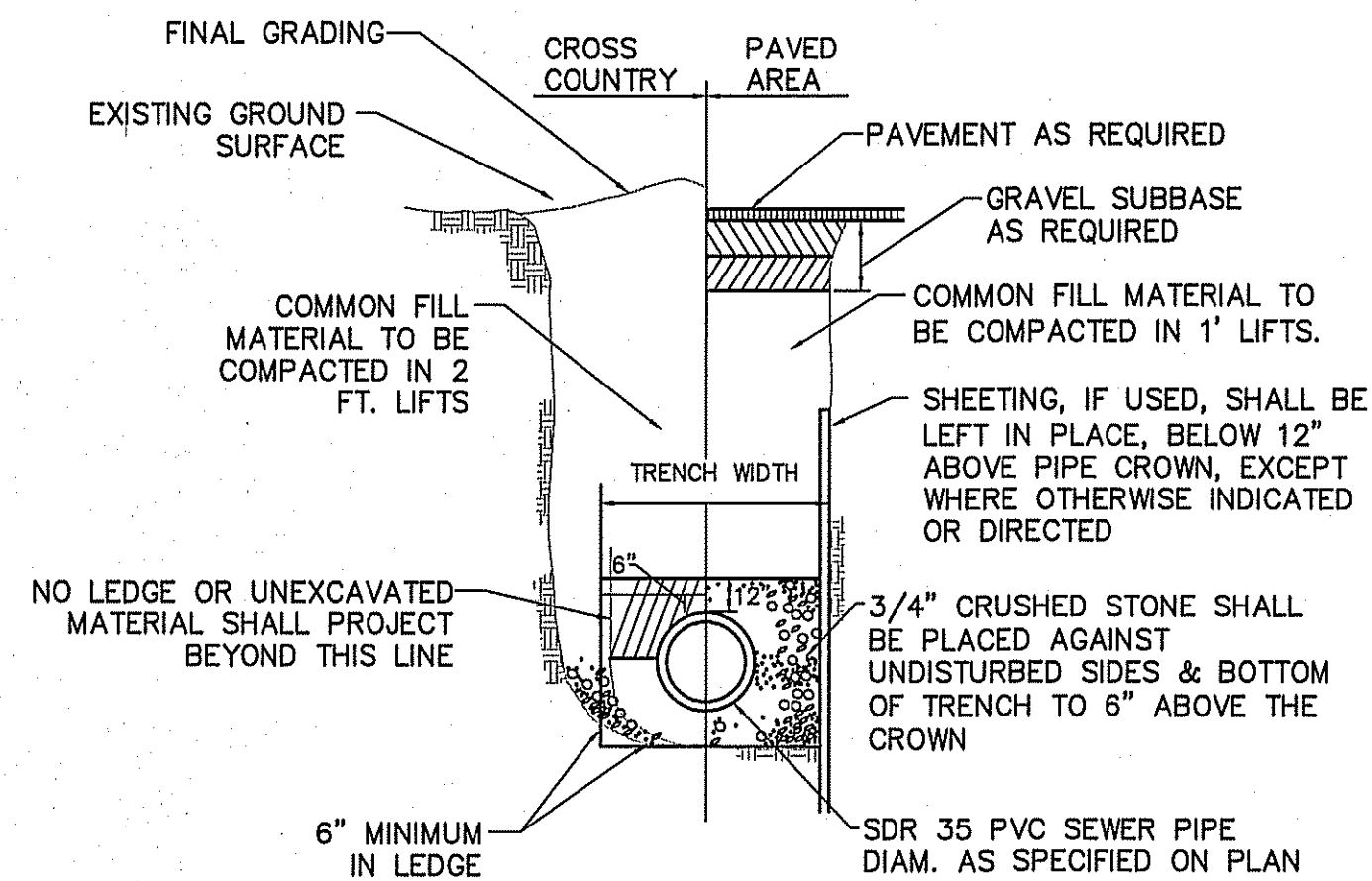
Drawn By: JLL Designed By: JLL Checked By: JLL

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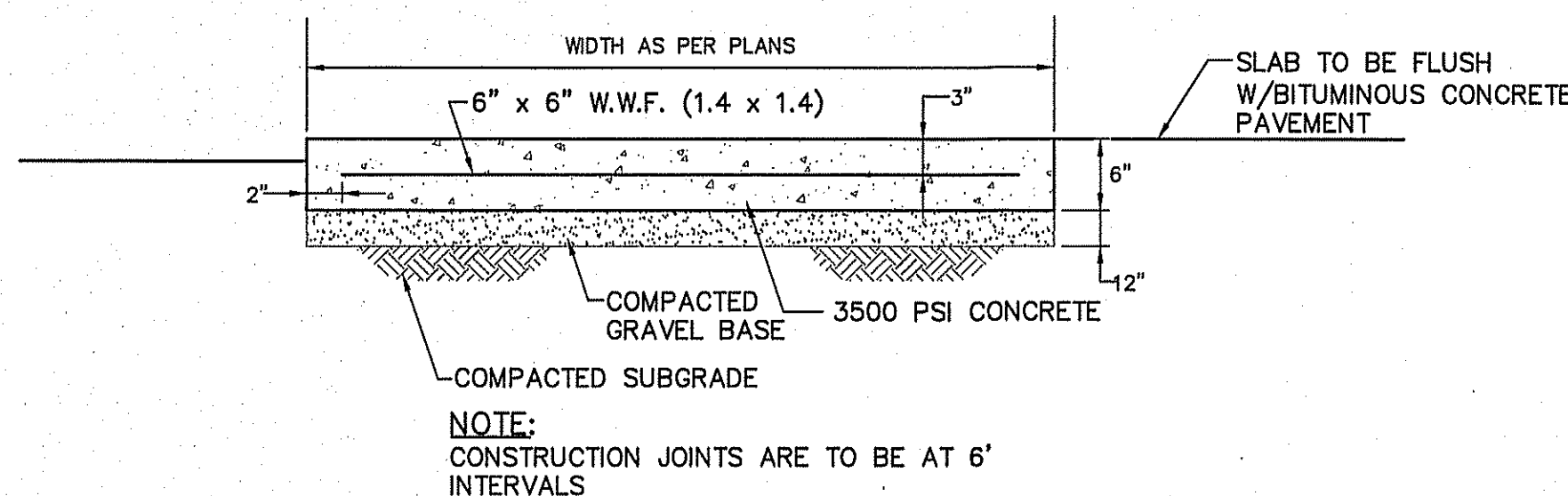
Project Name  
Mack Devens  
Development, LLC.  
18 Independence Drive  
Devens, MA

Sheet Title  
Construction  
Details

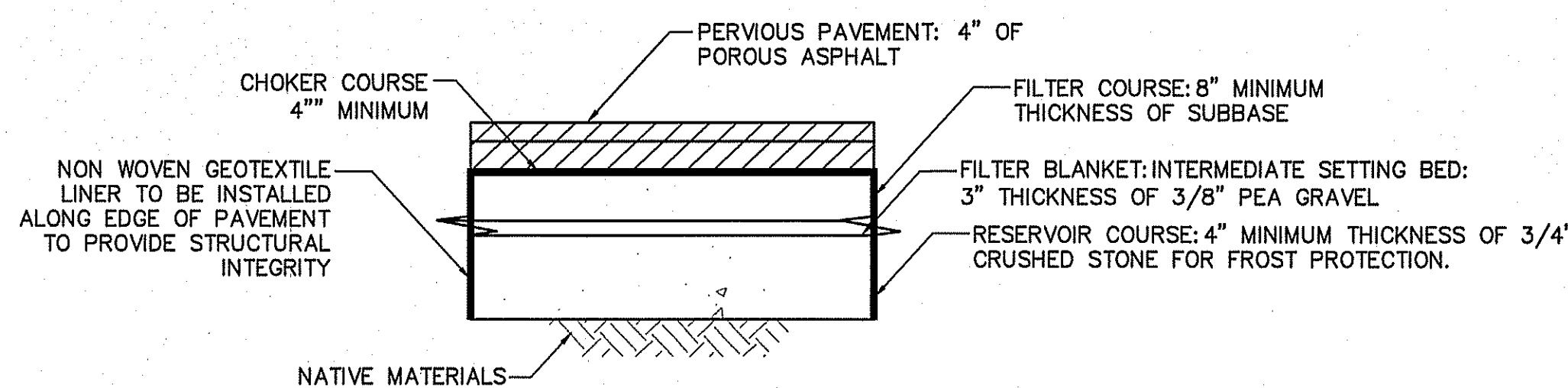
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File Name: 127.01.001P-DET01  
Date: July 3, 2025  
Scale: N.T.S.



**SEWER TRENCH SECTION**  
N.T.S.

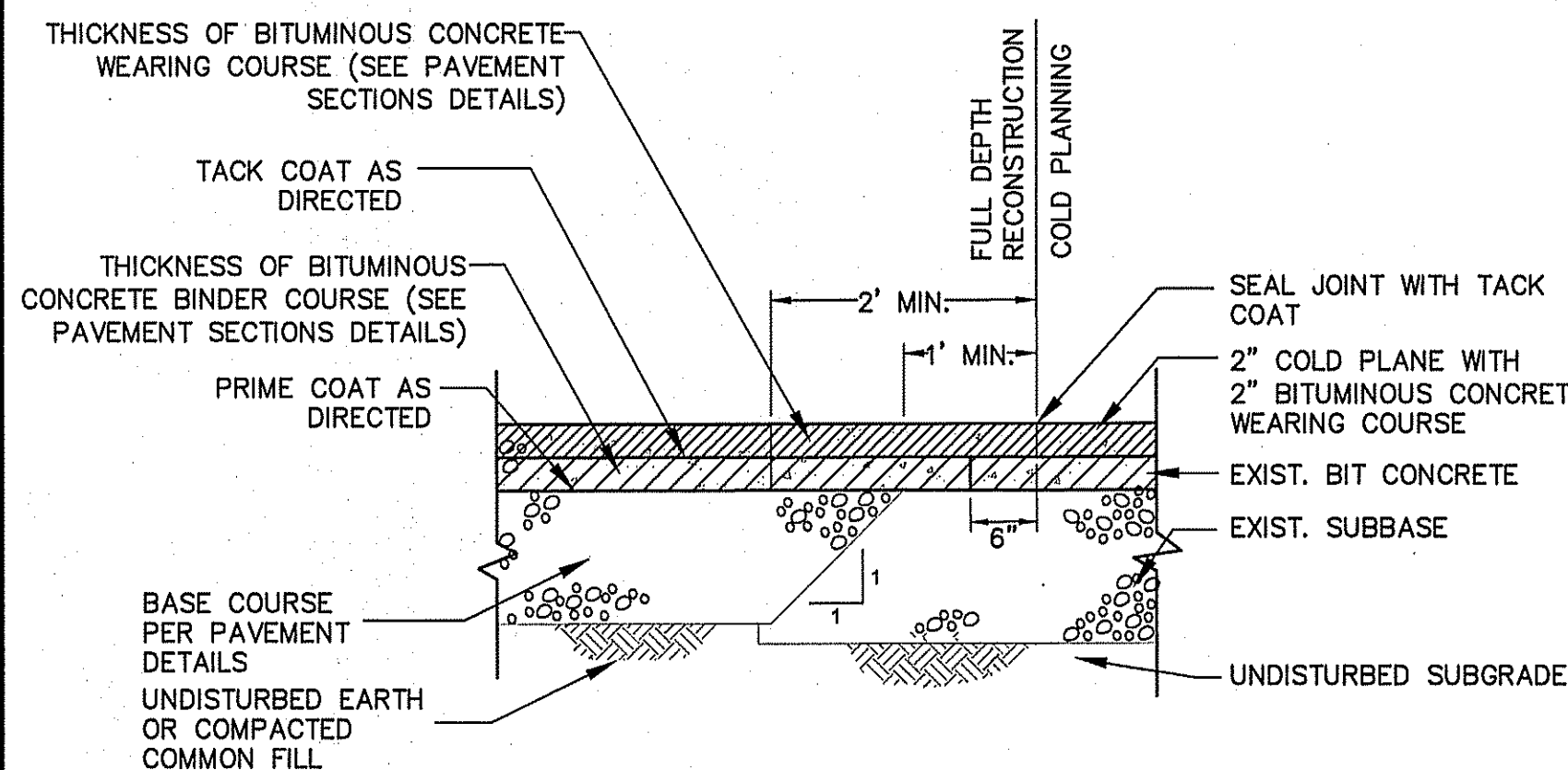


**CONCRETE LOADING AREA PAD DETAIL**  
N.T.S.

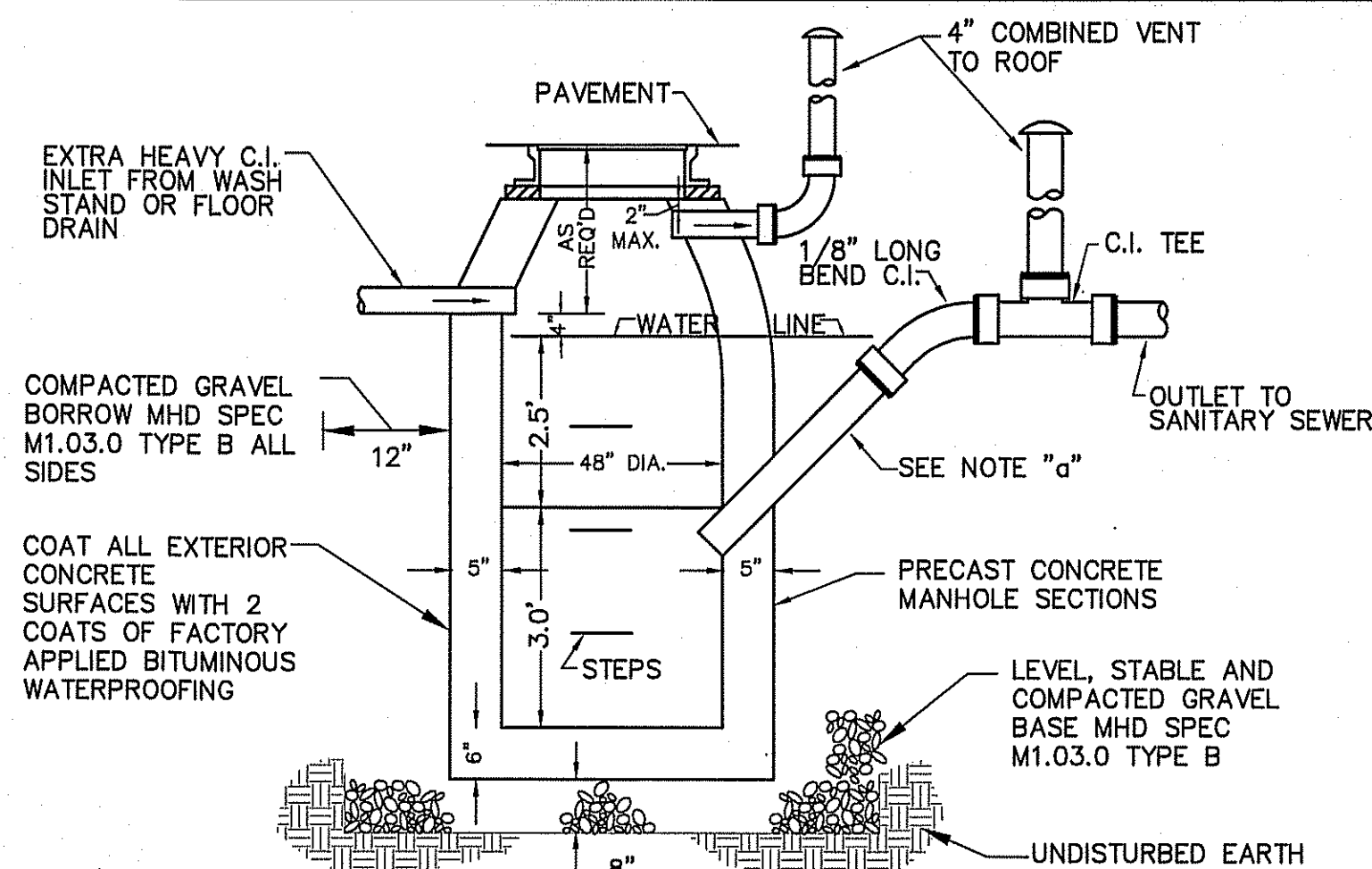


**POROUS PAVEMENT DETAIL**  
N.T.S.

- NOTES:
1. POROUS ASPHALT TO BE CONSTRUCTED IN ACCORDANCE WITH UNHSC DESIGN SPECIFICATIONS FOR POROUS ASPHALT PAVEMENT AND INFILTRATION BEDS.
  2. POROUS ASPHALT TO BE INSTALLED BY A QUALITY CONTRACTOR EXPERIENCED INTO PERMEABLE PAVING INSTALLATION



**PAVEMENT MATCHING DETAIL**  
N.T.S.



- (a) HUBLESS C.I. SOIL PIPE AND FITTINGS WITH APPROVED COUPLINGS  
(b) SERVICE WEIGHTS SOIL PIPE WITH APPROVED RESILIENT GASKETS OR LEAD AND OKUM JOINTS.  
(c) EXTRA HEAVY SOIL PIPE WITH APPROVED RESILIENT GASKETS OR LEAD AND OKUM JOINTS.

**GENERAL CONSTRUCTION NOTES**

WHERE SUBJECT TO FROST OR CRUSHING CONDITIONS, OUTLET SHALL BE AT LEAST THREE FEET BELOW THE SURFACE.  
THE NEW SEPARATOR MUST BE FILLED WITH CLEAN WATER BEFORE USING, AND AFTER BEING EMPTIED FOR PERIODIC CLEANING.

ALL OIL AND GASOLINE MUST BE REMOVED BEFORE CLEANING OUT THE BASIN, AND MUST NOT BE DISCHARGED INTO THE SEWER THROUGH OTHER FIXTURES.

SPECIFICATIONS FOR COVERING SPECIAL CASES OR CONDITIONS, SHALL BE APPROVED BY THE LOCAL AUTHORITIES, AND THE AUTHORITIES OF THE COMMONWEALTH OF MASSACHUSETTS.

STEPS SHALL BE SPACED 12" APART

BOTH VENTS SHALL BE EXTENDED INDEPENDENTLY 18" ABOVE THE ROOF, OR AS APPROVED BY THE LOCAL AUTHORITIES, AND THE AUTHORITIES OF THE COMMONWEALTH OF MASSACHUSETTS.

SEPARATOR TO BE LOCATED OUTSIDE OF BUILDING WHERE POSSIBLE, COVER TO HAVE A CENTER HOLE.

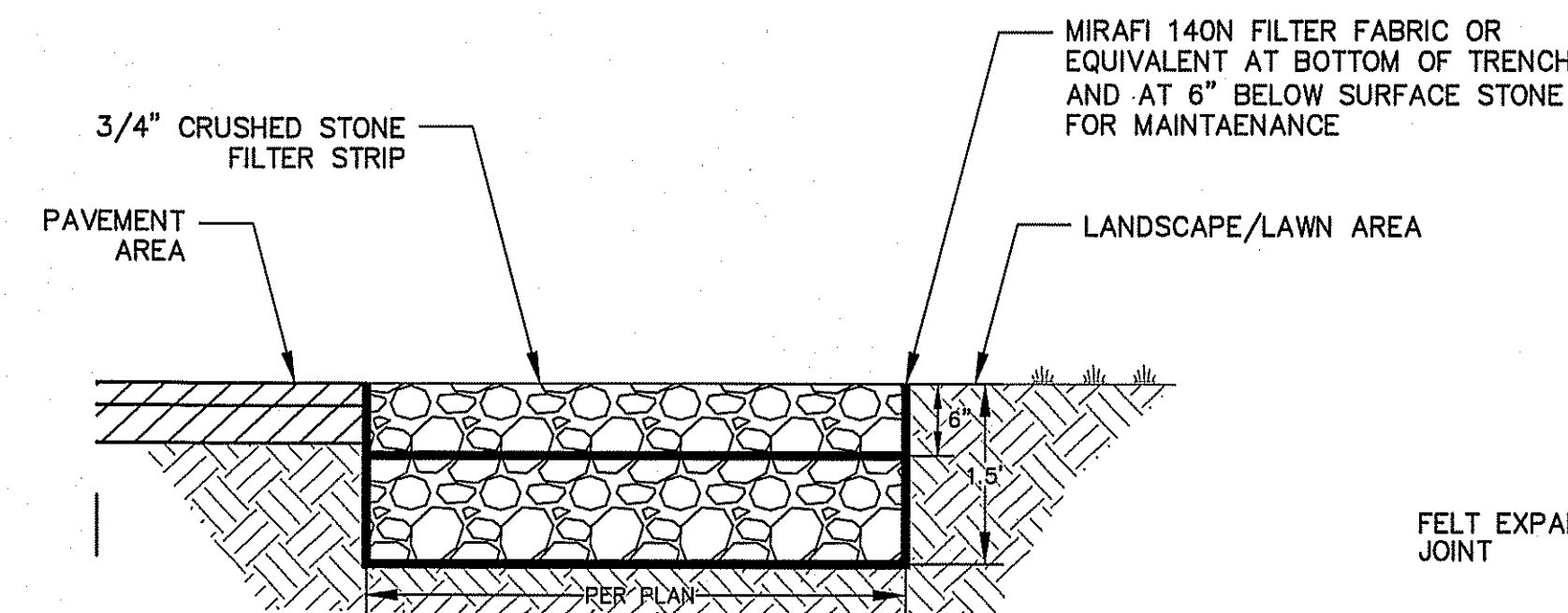
A TIGHT COVER MUST BE USED IF SEPARATOR IS LOCATED INSIDE OF BUILDING.  
OPENING SHALL BE NOT LESS THAN 24" DIA.

THE SEPARATOR SHALL BE SO LOCATED AND CONSTRUCTED THAT SURFACE WATER SHALL BE EXCLUDED.

INLET PIPE SHALL BE AT LEAST FOUR INCHES ABOVE NORMAL WATER LINE.

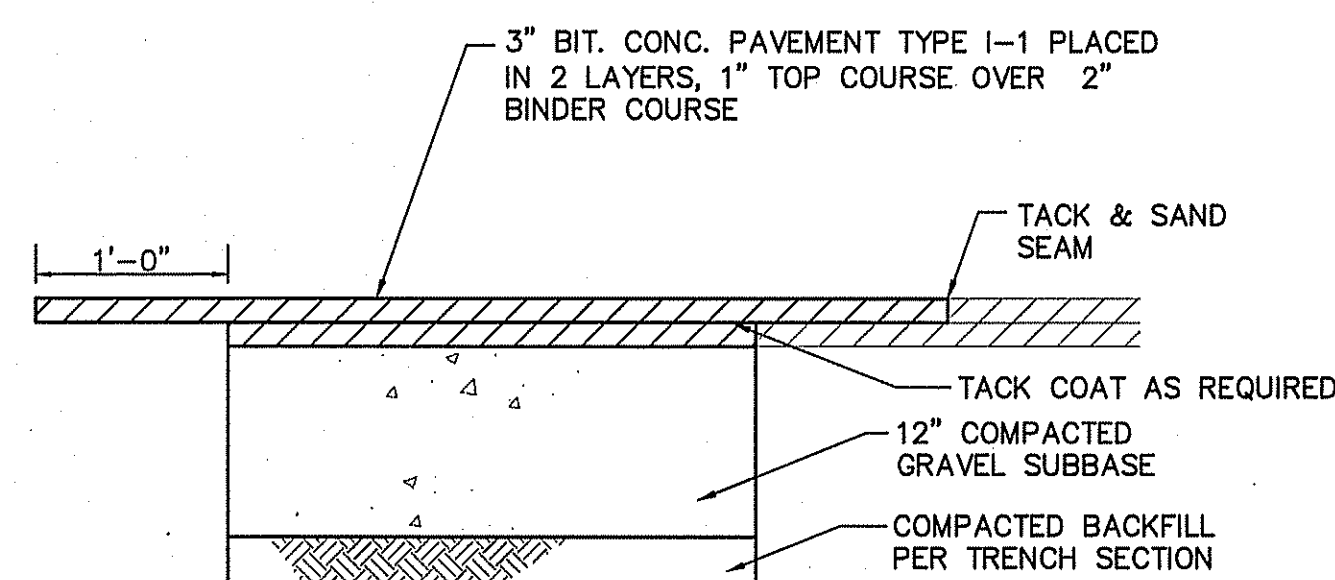
**OIL/WATER SEPARATOR**

N.T.S.



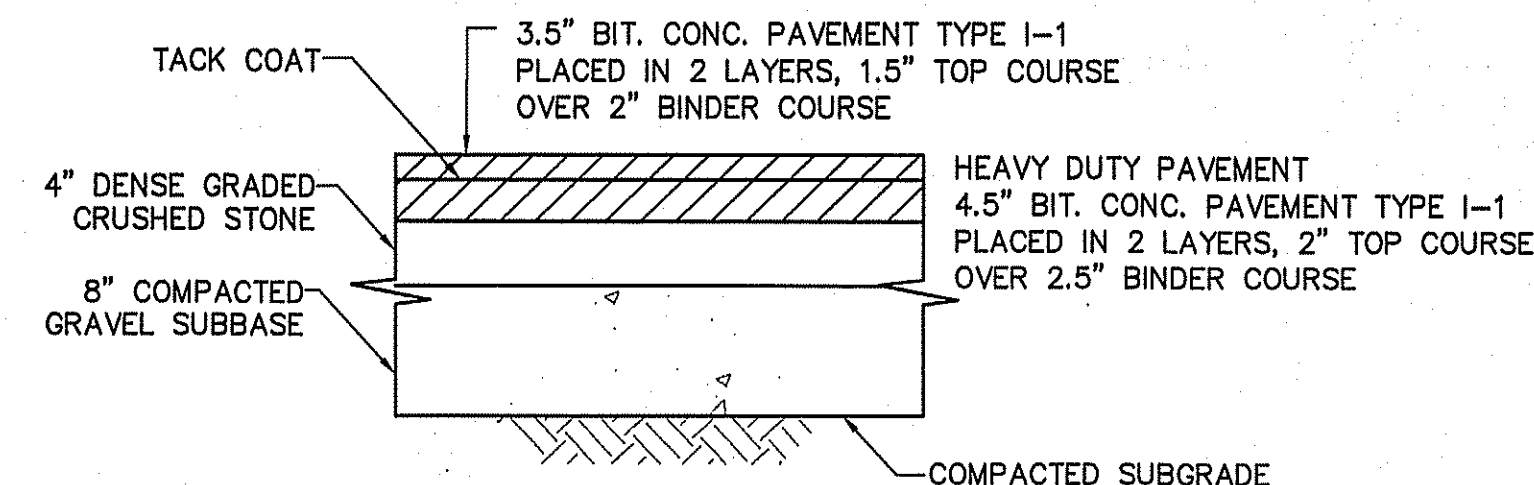
**PEA STONE DIAPHRAGM DETAIL**

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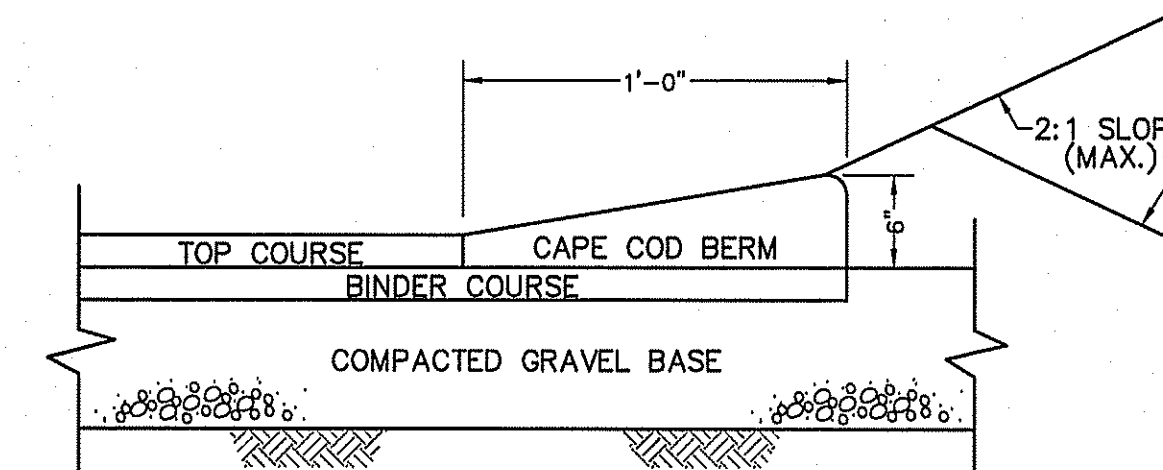
**PERMANENT TRENCH REPAIR DETAIL**

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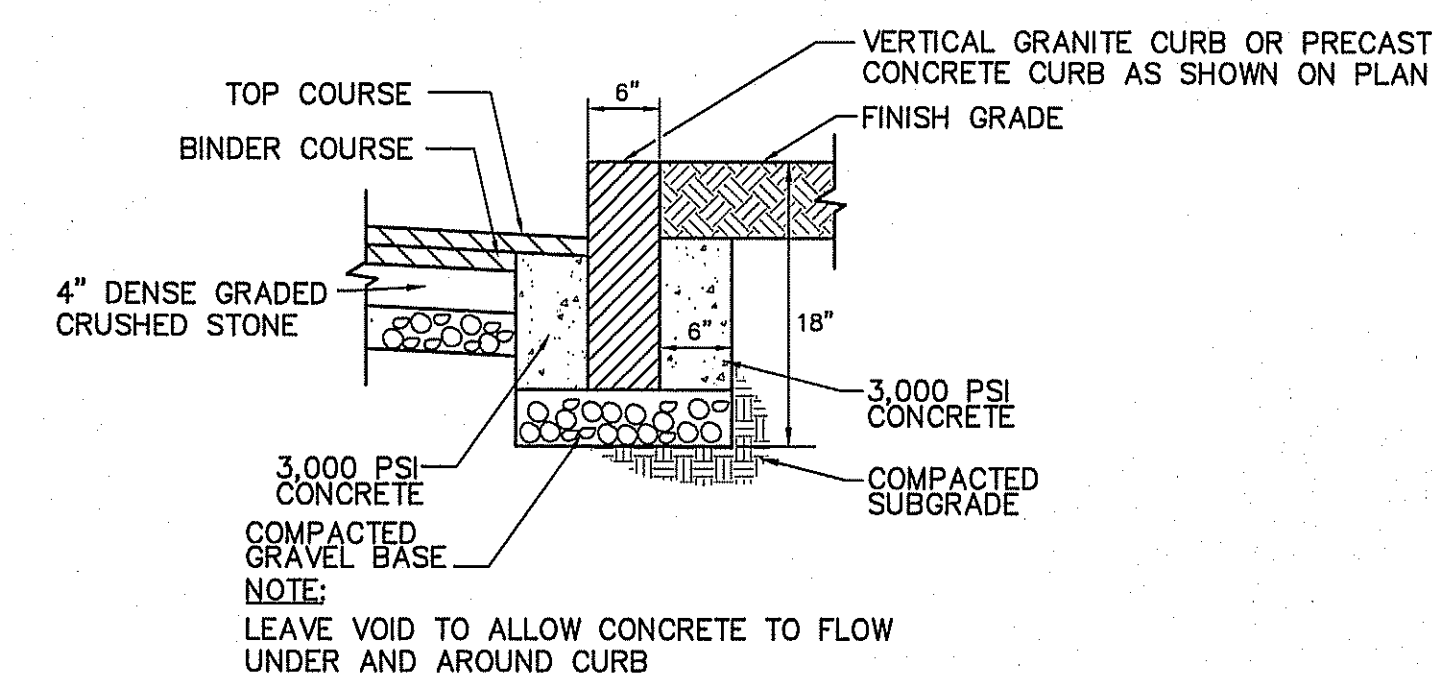
**BITUMINOUS CONCRETE PAVEMENT DETAIL**

N.T.S.



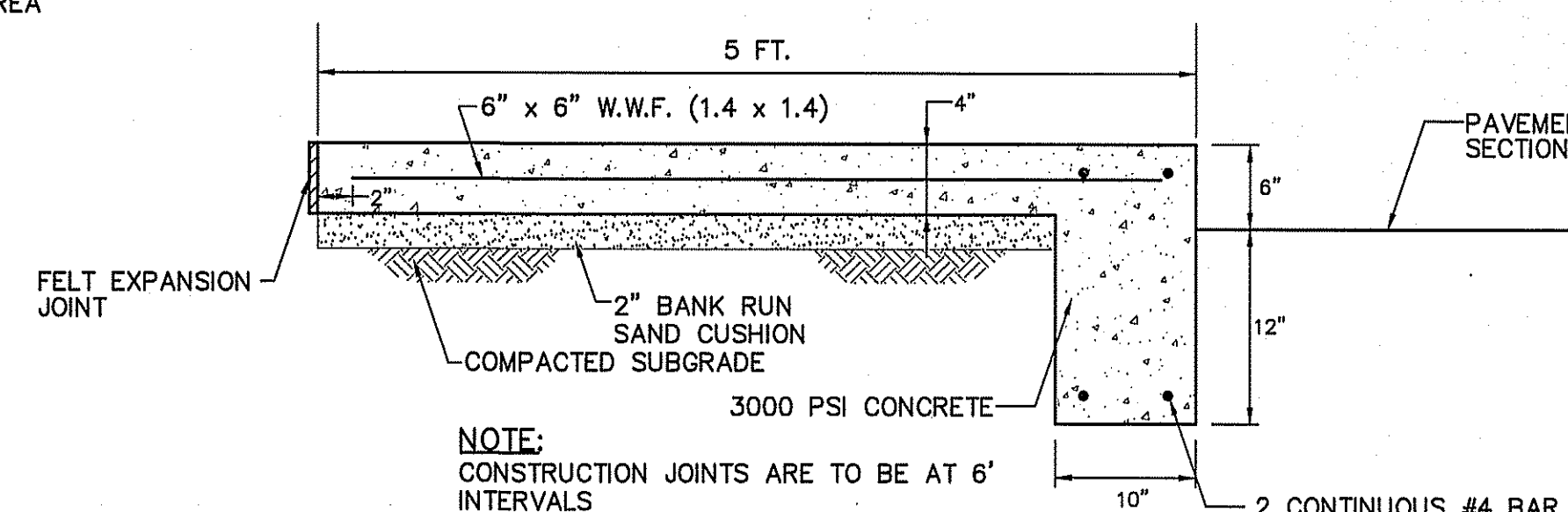
**BITUMINOUS CONCRETE BERM DETAIL**

N.T.S.



**VERTICAL GRANITE/PRECAST CONCRETE CURB DETAIL**

N.T.S.



**MONOLITHIC CONCRETE CURB & SIDEWALK DETAIL**

N.T.S.

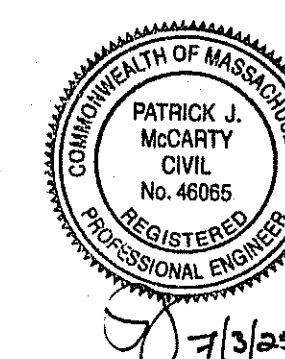
OWNER:  
MACK DEVENS  
DEVELOPMENT, LLC.  
330 SMC DRIVE  
SOMERSET, WI 54025

APPROVED: DATE:  
DEVENS ENTERPRISE COMMISSION CHAIRMAN

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APPROVED BY THE DEVENS  
ENTERPRISE COMMISSION  
DATE:

No. Date Revision



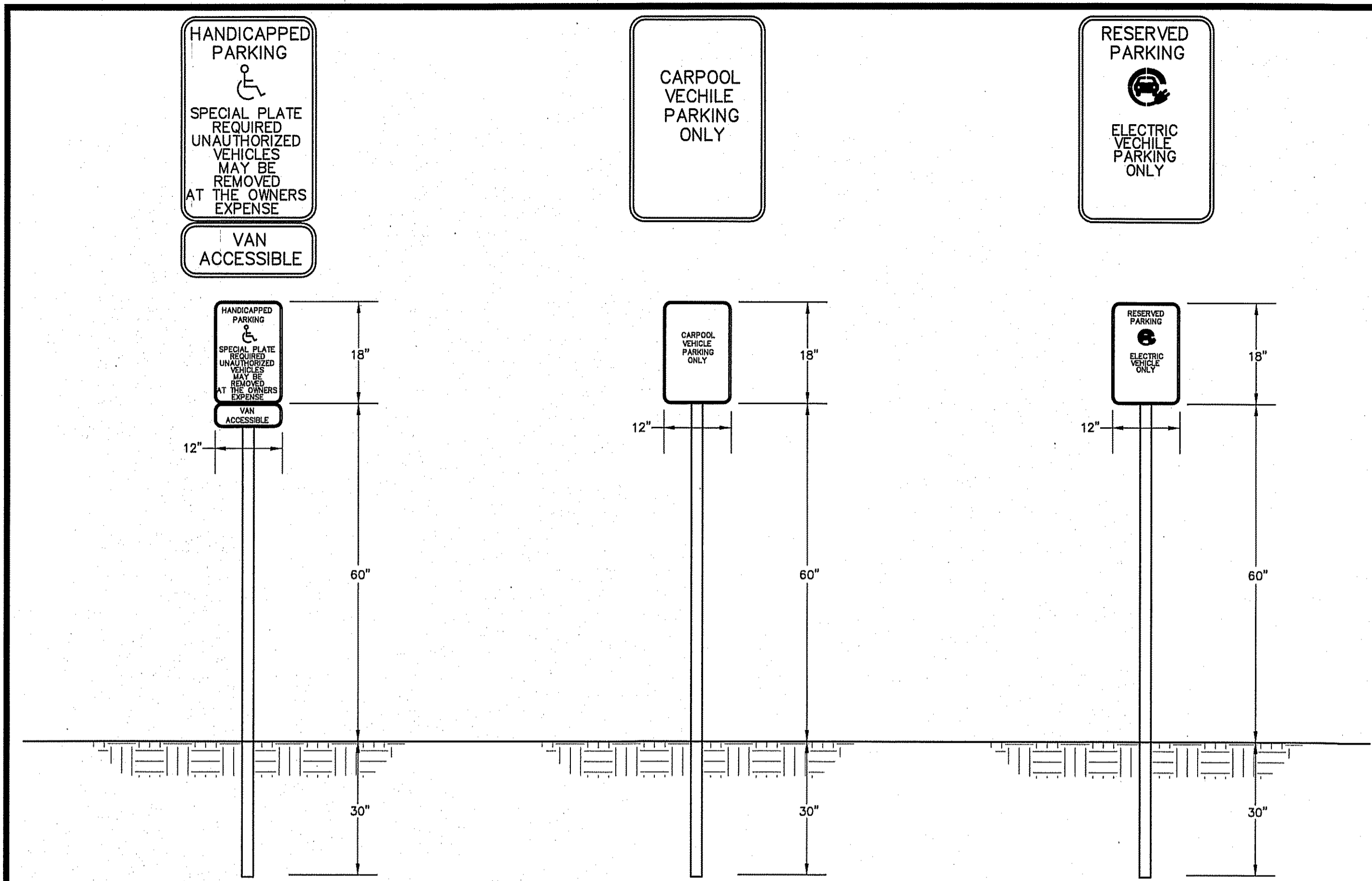
Drawn By: JLL Designed By: JLL Checked By: JLL

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Project Name  
Mack Devens  
Development, LLC.  
18 Independence Drive  
Devens, MA

Sheet Title  
Construction  
Details

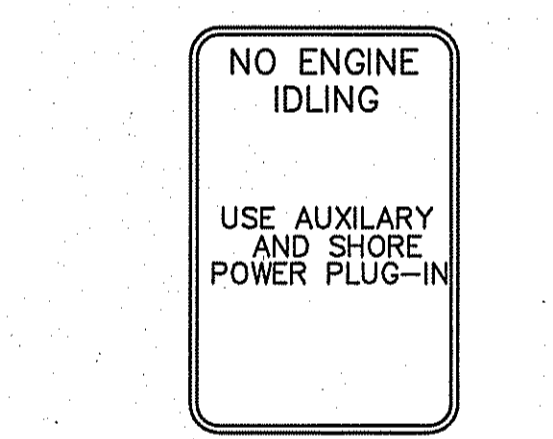
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File Name: 127.01.001P-DET02  
Date: July 3, 2025  
Scale: N.T.S.



**HANDICAP PARKING SIGN DETAIL**  
N.T.S.

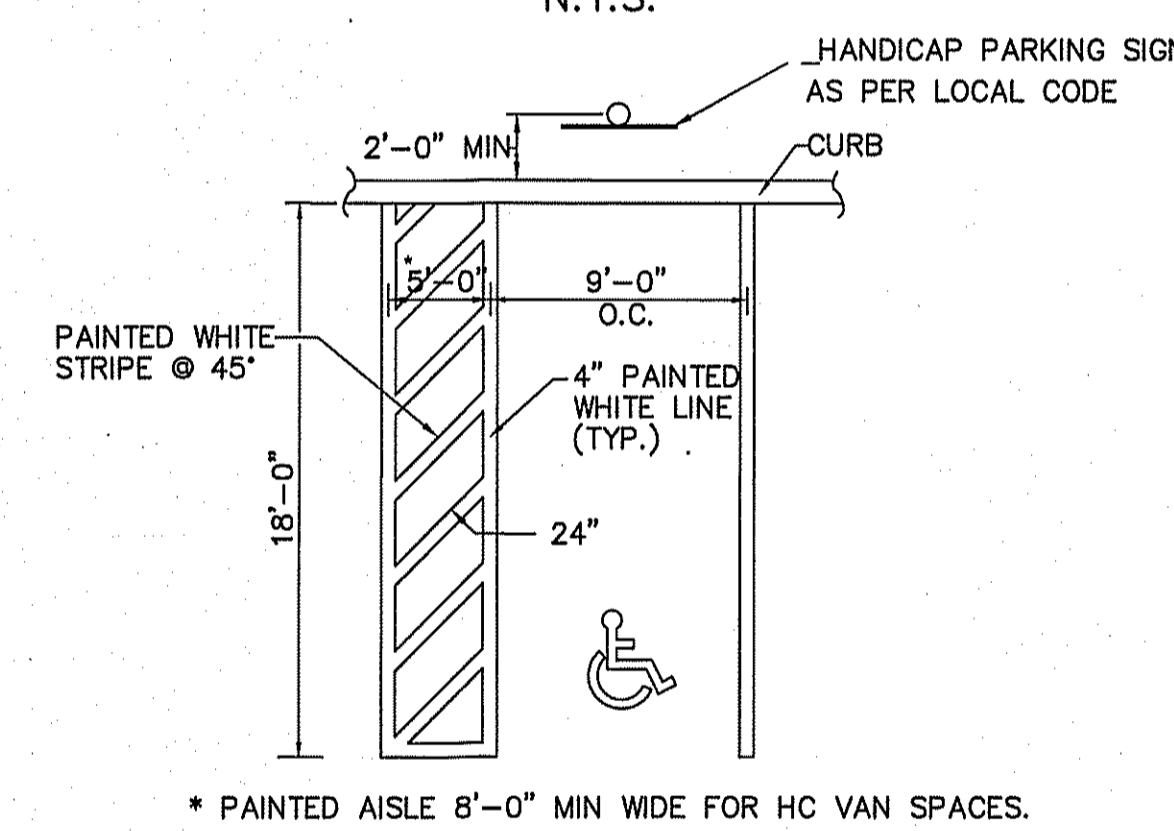
**RIDE SHARING PARKING SIGN DETAIL**  
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**ELECTRIC VEHICLE PARKING SIGN DETAIL**  
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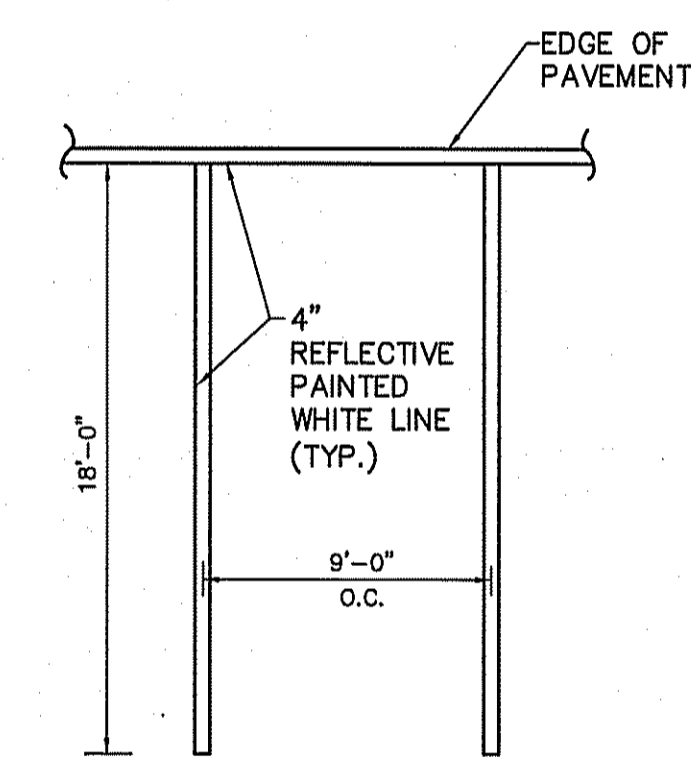


NOTE:  
TO BE MOUNTED ON BUILDING

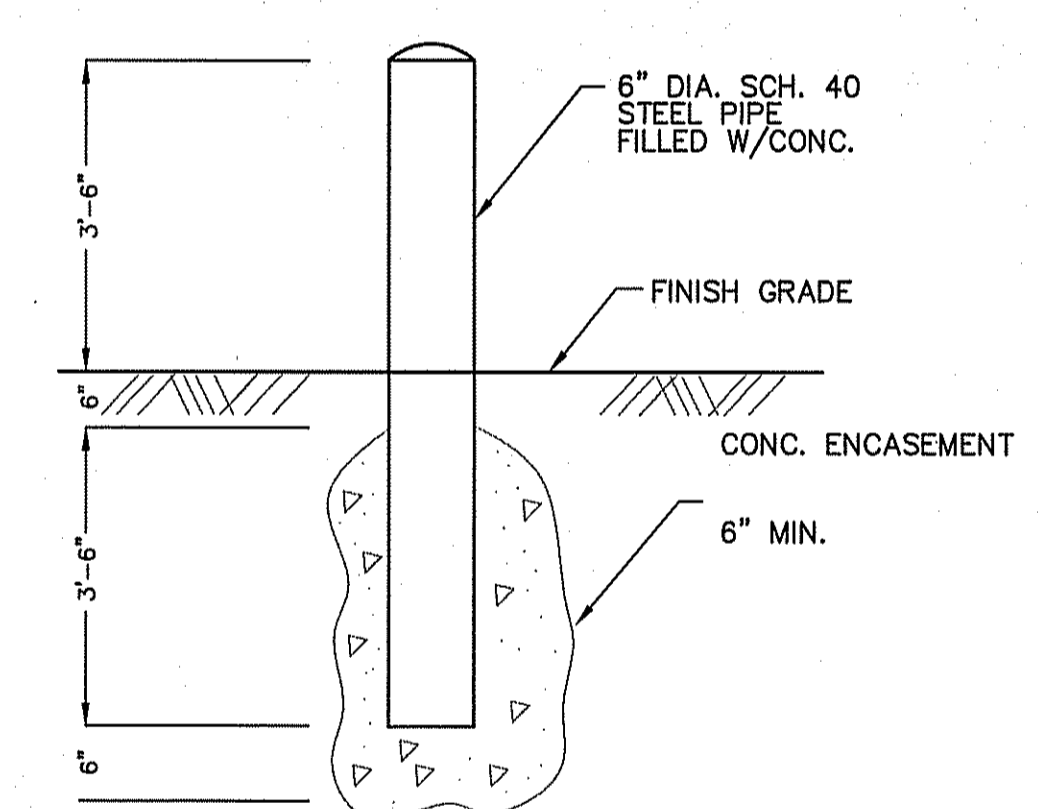
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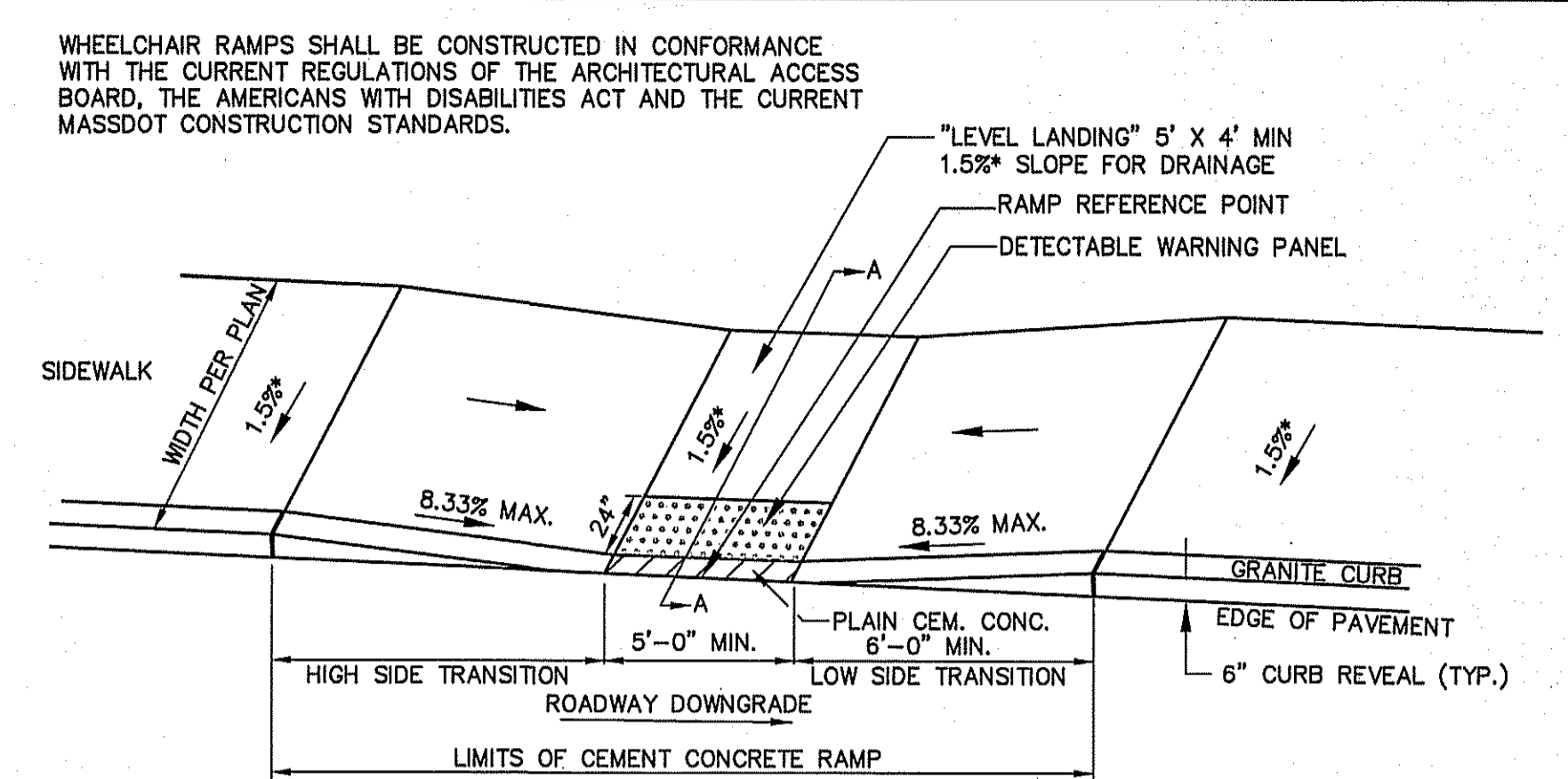
**HANDICAP PARKING SPACE DETAIL**  
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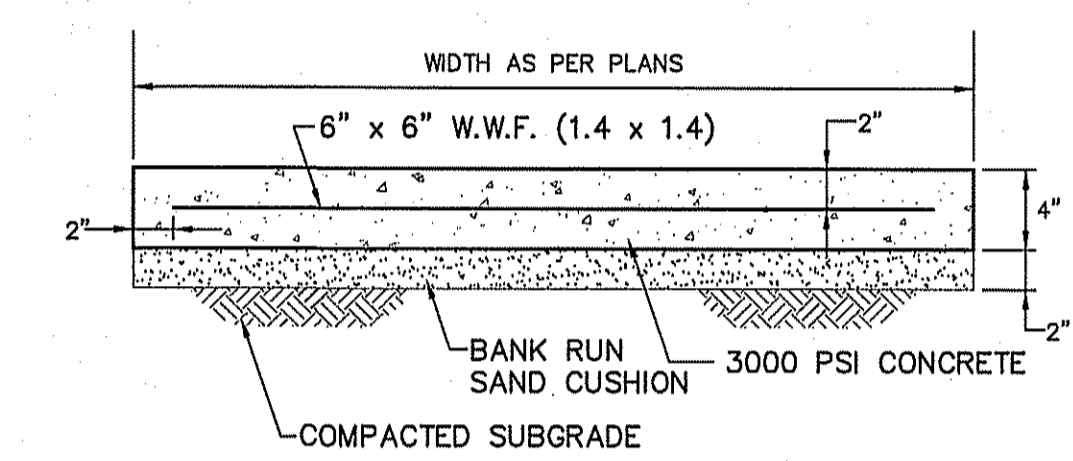
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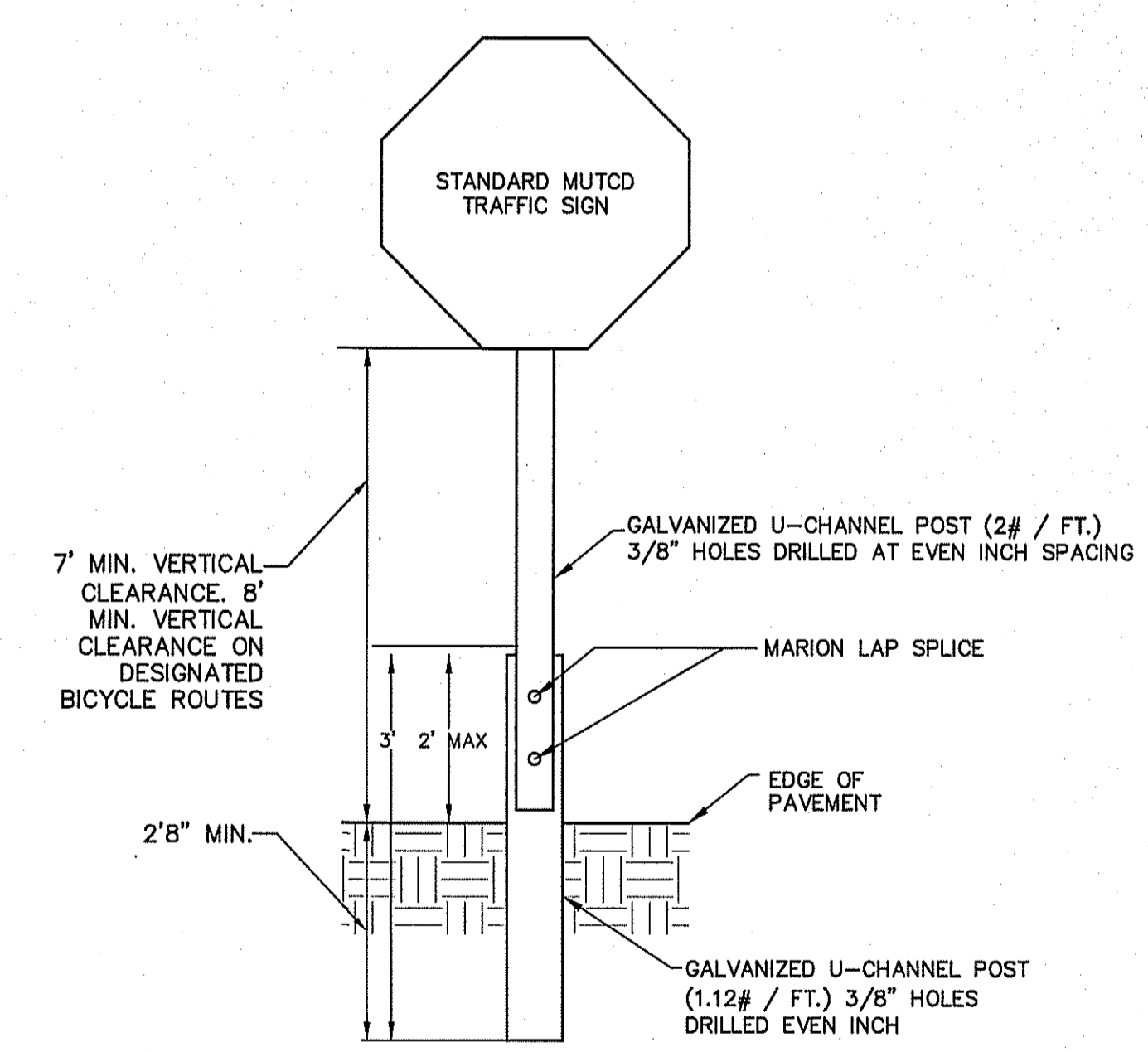
**BOLLARD DETAIL**  
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**SECTION A-A**  
WHEELCHAIR RAMP TYPE A  
N.T.S.



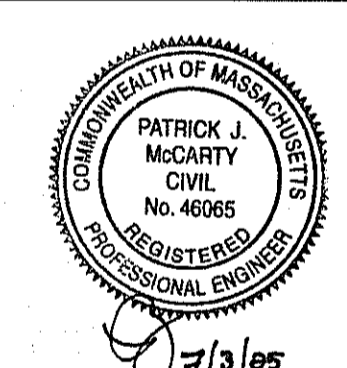
**CONCRETE SIDEWALK DETAIL**  
N.T.S.



**TRAFFIC SIGN DETAIL**  
N.T.S.

APPROVED BY THE DEVENS ENTERPRISE COMMISSION  
DATE:

No.	Date	Revision
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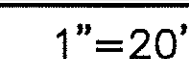
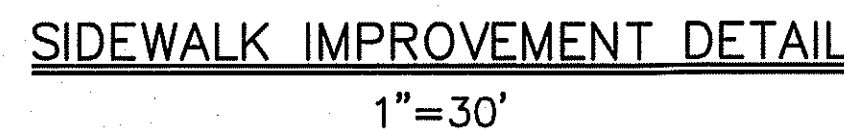
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Checked By: JLL

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**Project Name**  
Mack Devens Development, LLC.  
18 Independence Drive  
Devens, MA

**Sheet Title**  
Construction Details

Job No: 127.01.001  
File Name: 127.01.001P-DET03  
Date: July 3, 2025  
Scale: N.T.S.



**NOT FOR CONSTRUCTION**  
THESE PLANS WERE PREPARED FOR  
THE PURPOSE OF OBTAINING STATE  
AND LOCAL PERMITS AND ARE NOT  
INTENDED TO BE USED AS  
CONSTRUCTION DOCUMENTS.

APPROVED BY THE DEVENS  
ENTERPRISE COMMISSION  
DATE:

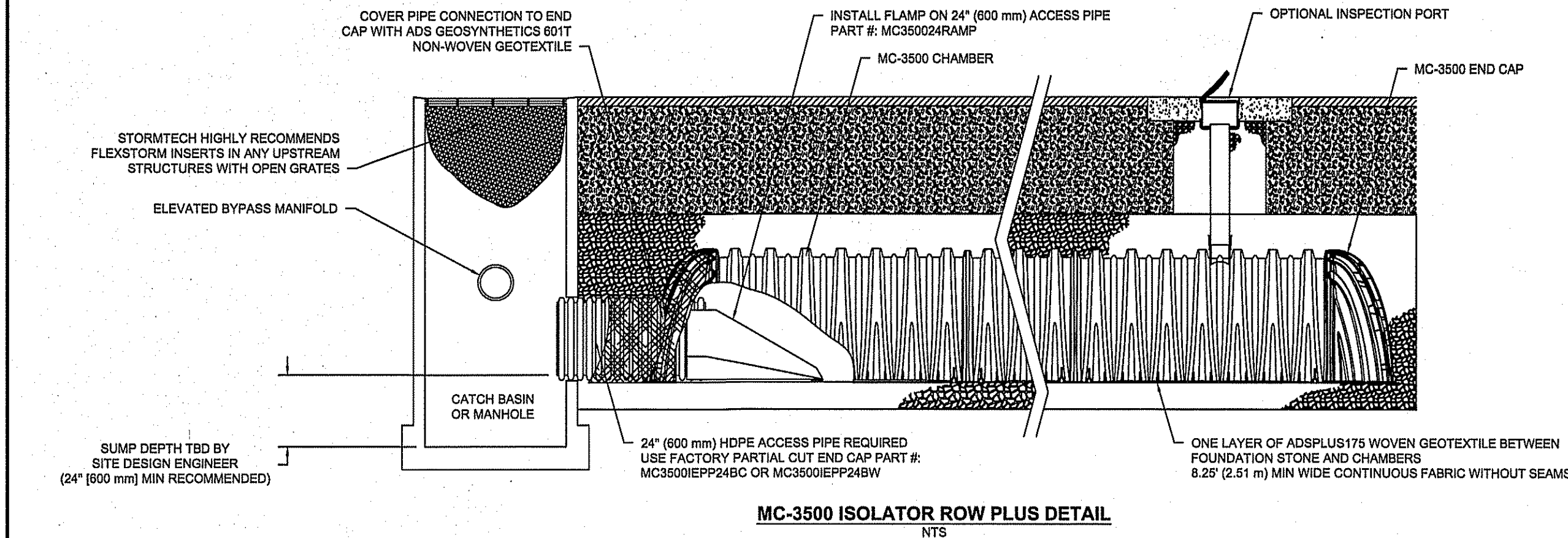
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Project Name  
Mack Devens  
Development, LLC.  
18 Independence Drive  
Devens, MA

Sheet Title  
Construction  
Details

Job No: 127.01.001  
File Name: 127.01.001P-DET04  
Date: July 3, 2025  
Scale: N.T.S.

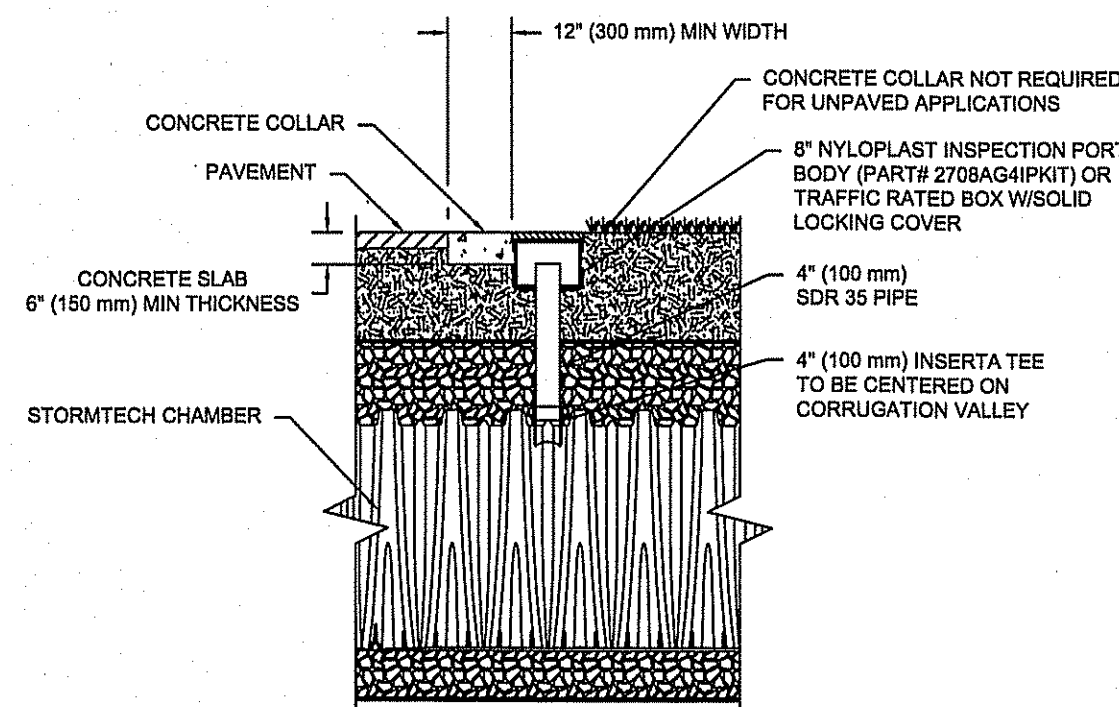


INSPECTION & MAINTENANCE

- STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- A. INSPECTION PORTS (IF PRESENT)
- A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
- A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
- A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
- A.4. LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
- A.5. IF SEDIMENT IS AT, OR ABOVE, 9" (60 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B. ALL ISOLATOR PLUS ROWS
- B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
- B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
- B.3. I. MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
- B.3. II. FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
- B.3. IF SEDIMENT IS AT, OR ABOVE, 9" (60 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS
- A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45° (1.1 m) OR MORE IS PREFERRED
- B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
- C. VACUUM STRUCTURE SUMP AS REQUIRED
- STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.
- STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

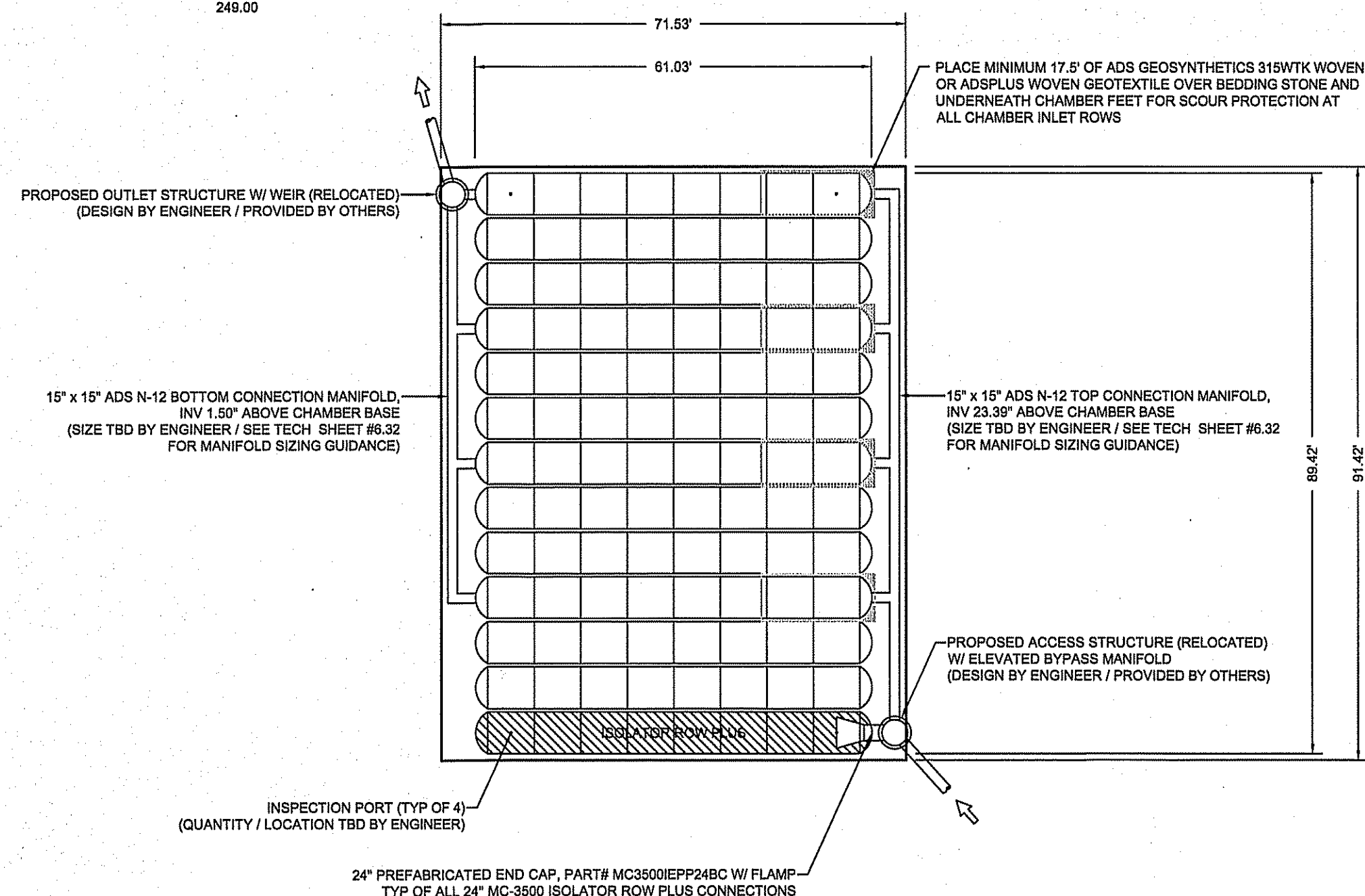
1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.



CONCEPTUAL LAYOUT  
(104) STORMTECH MC-3500 CHAMBERS  
(26) STORMTECH MC-3500 END CAPS  
INSTALLED WITH 12" COVER STONE, 0" BASE STONE, 40% STONE VOID  
INSTALLED SYSTEM VOLUME: 21479 CF  
AREA OF SYSTEM: 6539 FT<sup>2</sup>  
PERIMETER OF SYSTEM: 326 FT

PROPOSED ELEVATIONS

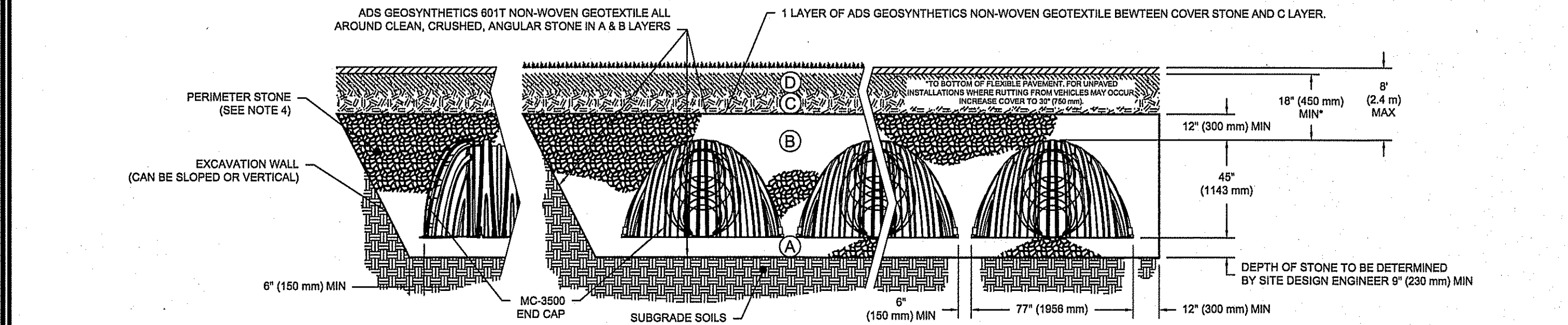
MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED):	281.50
MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC):	255.50
MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC):	255.00
MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT):	255.00
MINIMUM ALLOWABLE GRADE (TOP OF RIGID CONCRETE PAVEMENT):	255.00
TOP OF STONE:	254.50
TOP OF CHAMBER:	253.50
15" TOP CONNECTION INVERT:	251.70
24" BOTTOM (ISOLATOR ROW PLUS) CONNECTION INVERT:	248.92
15" BOTTOM CONNECTION INVERT:	248.88
BOTTOM OF CHAMBER:	249.75
BOTTOM OF STONE:	248.00



ACCEPTABLE FILL MATERIALS: STORMTECH MC-3500 CHAMBER SYSTEMS

MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 24" (600 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	AASHTO M145 <sup>1</sup> A-1, A-2-4, A-3 OR AASHTO M43 <sup>1</sup> 3, 357, 4, 487, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 24" (600 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 12" (300 mm) MAX LIFTS TO A MIN. 85% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 85% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS.
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	AASHTO M43 <sup>1</sup> 3, 4	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	AASHTO M43 <sup>1</sup> 3, 4	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. <sup>2,3</sup>

PLEASE NOTE:  
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".  
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" (230 mm) (MAX) LIFTS USING TWO PULL COVERAGES WITH A VIBRATORY COMPACTOR.  
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.  
4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.



NOTES:

1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418-16a, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" CHAMBER CLASSIFICATION 45x78 DESIGNATION SS.
2. MC-3500 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
- TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
  - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 3".
  - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2418 SHALL BE GREATER THAN OR EQUAL TO 500 LBS/IN<sup>2</sup>IN. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

OWNER  
MACK DEVENS  
DEVELOPMENT, LLC.  
330 SMC DRIVE  
SOMERSET, WI 54025



SMC DEVENS  
DEVENS, MA



APPROVED: DATE:  
DEVENS ENTERPRISE COMMISSION CHAIRMAN

FOR REGISTRY USE ONLY

MC-3500 STORMTECH CHAMBER SPECIFICATIONS

1. CHAMBERS SHALL BE STORMTECH MC-3500.
2. CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
3. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418-16a, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" CHAMBER CLASSIFICATION 45x78 DESIGNATION SS.
4. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
5. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
6. CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (<1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
7. REQUIREMENTS FOR HANDLING AND INSTALLATION:
- TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
  - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 3".
  - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2418 SHALL BE GREATER THAN OR EQUAL TO 500 LBS/IN<sup>2</sup>IN. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
8. ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS:
- THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
  - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
  - THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2418 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
9. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF MC-3500 CHAMBER SYSTEM

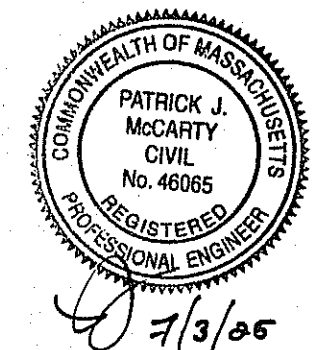
1. STORMTECH MC-3500 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
2. STORMTECH MC-3500 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
3. CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
- STONESHOOTER LOCATED OFF THE CHAMBER BED.
  - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
  - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
4. THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
6. MAINTAIN MINIMUM - 6" SPACING BETWEEN THE CHAMBER ROWS.
7. INLET AND OUTLET MANIFOLDS MUST BE INSERTED A MINIMUM OF 12" (300 mm) INTO CHAMBER END CAPS.
8. EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE MEETING THE AASHTO M43 DESIGNATION OF #3 OR #4.
9. STONE MUST BE PLACED ON THE TOP CENTER OF THE CHAMBER TO ANCHOR THE CHAMBERS IN PLACE AND PRESERVE ROW SPACING.
10. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
11. ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

1. STORMTECH MC-3500 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
2. THE USE OF EQUIPMENT OVER MC-3500 CHAMBERS IS LIMITED:
- NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
  - NO RUBBER TIED LOADER, DUMP TRUCK, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
  - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.
- USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. CHAMBERS DAMAGED BY USING THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.
- CONTACT STORMTECH AT 1-888-882-2694 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

APPROVED BY THE DEVENS  
ENTERPRISE COMMISSION  
DATE:

No. Date Revision



Drawn By: JLL Designed By: JLL Checked By: RW

McCarty Engineering, Inc.  
Civil Engineers  
42 Tucker Drive, Leominster, MA 01453  
phone: (978) 534-1318 fax: (978) 840-6907  
www.mccartydyb.com

Project Name  
Mack Devens  
Development, LLC.  
18 Independence Drive  
Devens, MA  
Sheet Title  
Stormtech Detail  
Sheet

Job No: 127.01.001 Sheet No.  
File Name: 127.01.001P-DET05  
Date: July 3, 2025  
Scale: N.T.S. 16

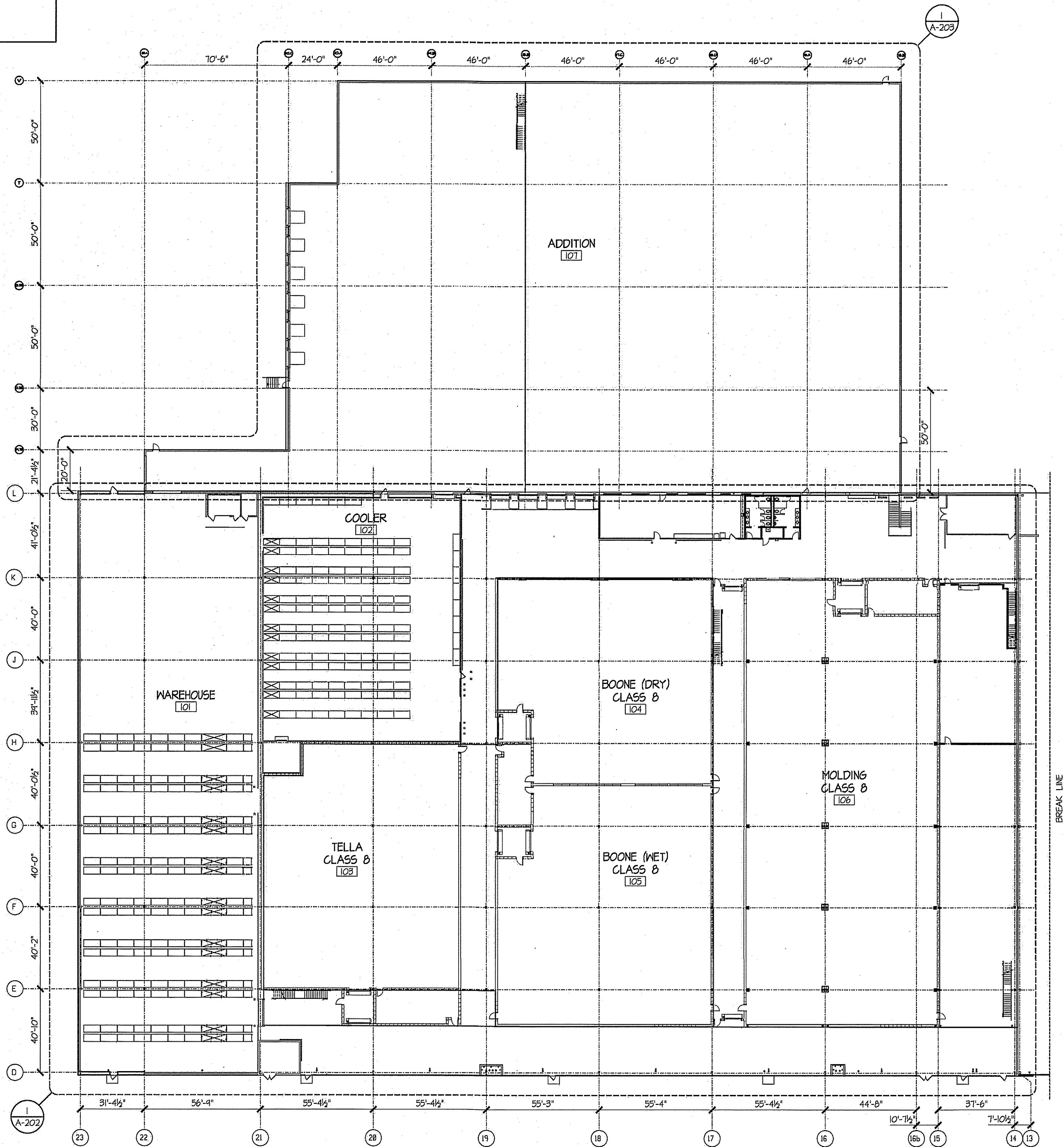
OWNER  
MACK DEVENS  
DEVELOPMENT, LLC.  
330 SMC DRIVE  
SOMERSET, WI 54025

APPROVED:

DATE:

DEVENS ENTERPRISE COMMISSION CHAIRMAN

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1 OVERALL FLOOR PLAN  
SCALE: 1/32" = 1'-0"

SMC Ltd.

18 Independence Drive  
Devens, MA

Renovation



J FERRERA ASSOCIATES INC.

Architecture • Design • Planning

2 Fern Lane • Sterling, MA 01564

tel: (978) 487-8848

email: jferrera@comcast.net



McCARTY companies

Total Project Solutions

From Concept to Completion

42 Tucker Drive • Leominster, MA 01453

Tel: 978.534.8727

4 06-30-25 GENERAL REVISIONS

3 06-27-25 GENERAL REVISIONS

2 02-20-25 GENERAL REVISIONS

1 01-23-25 GENERAL REVISIONS

NO. DATE DESCRIPTION

SHEET TITLE:

OVERALL  
MAIN FLOOR PLAN

Job No.: 24150

FILE:

DRAWN:

SCALE: 1/32" = 1'-0"

DATE: 01/09/2025

SHEET IDENTIFICATION:

A-201

APPROVED:	DATE:
<hr/> DEVENS ENTERPRISE COMMISSION CHAIRMAN	

Architectural floor plan of a warehouse and production facility. The plan shows a large central 'WAREHOUSE' area, a 'SHIPPING/RECEIVING' dock with multiple bays, and a 'FUTURE PRODUCTION' area. A 'BREAK LINE' is indicated at the bottom. Other labeled areas include 'COOLER 102', 'BOONE (DRY) CLASS B 104', and 'MOLDING CLASS B 106'. Dimensions are provided for various sections, and a grid system (A through B, K through V) is used for reference.

BREAK LINE

**A-203**

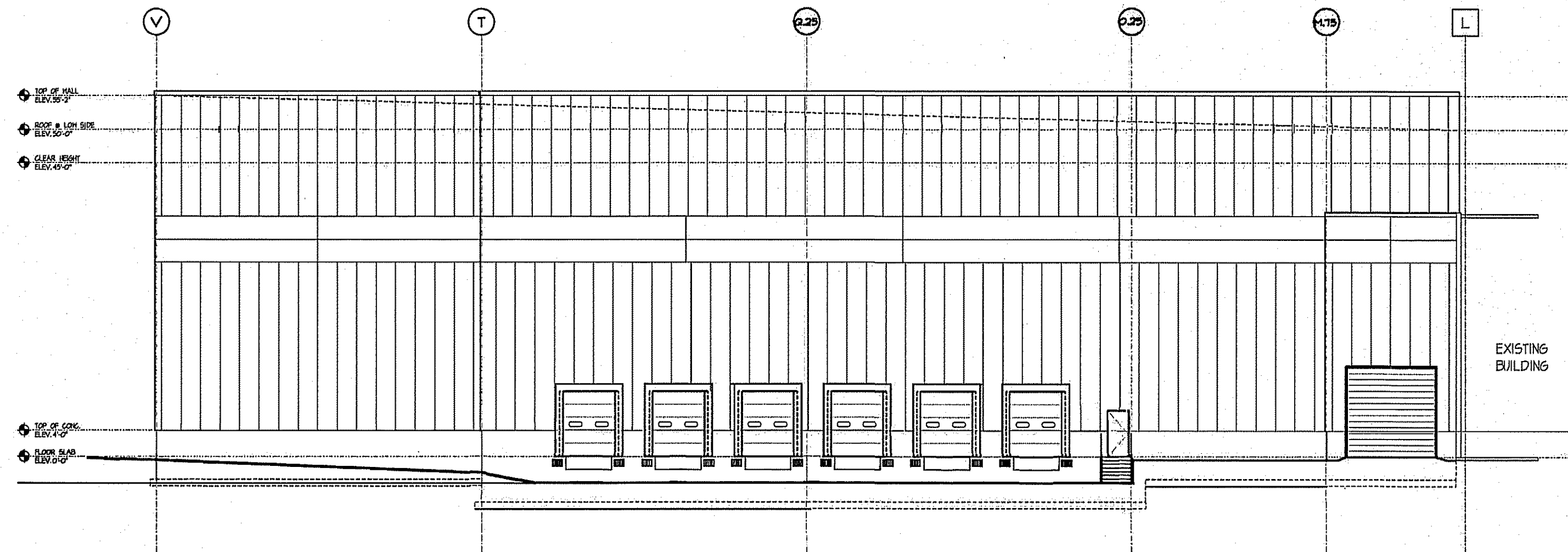
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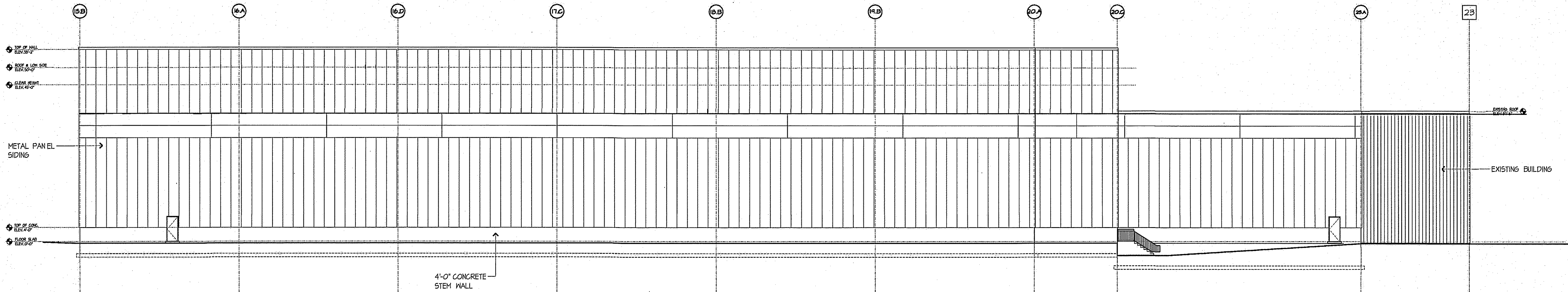
DATE:

DEVENS ENTERPRISE COMMISSION CHAIRMAN

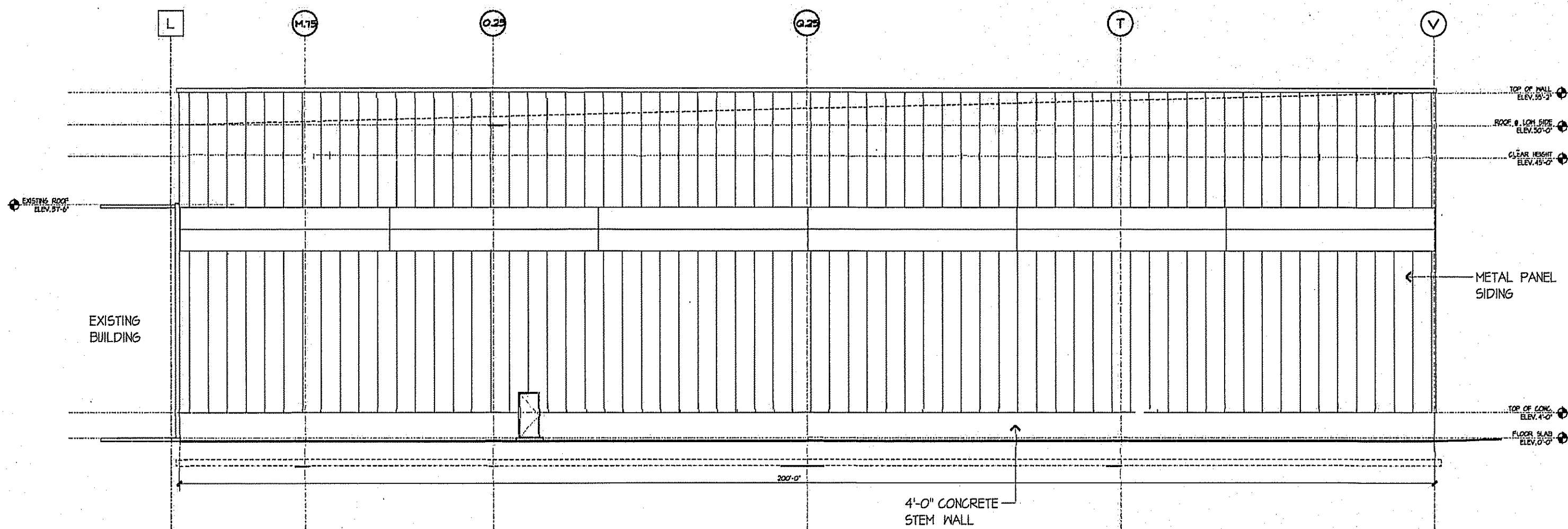
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3 SOUTH ELEVATION  
SCALE: 1/16" = 1'-0"



2 WEST ELEVATION  
SCALE: 1/16" = 1'-0"



1 NORTH ELEVATION  
SCALE: 1/16" = 1'-0"

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tel: (978) 407-8848

email: jferrera@comcast.net



McCarty Companies

Total Project Solutions

From Concept to Completion

42 Tucker Drive - Leominster, MA 01453

Tel: 978.534.8727

NO.	DATE	DESCRIPTION
3	06-27-25	GENERAL REVISIONS
2	02-20-25	GENERAL REVISIONS
1	01-23-25	GENERAL REVISIONS

SHEET TITLE:

EXTERIOR  
ELEVATIONS

Job No.: 24150

FILE:

DRAWN:

SCALE: 1/16" = 1'-0"

DATE: 01/09/2025

SHEET IDENTIFICATION:

A-301