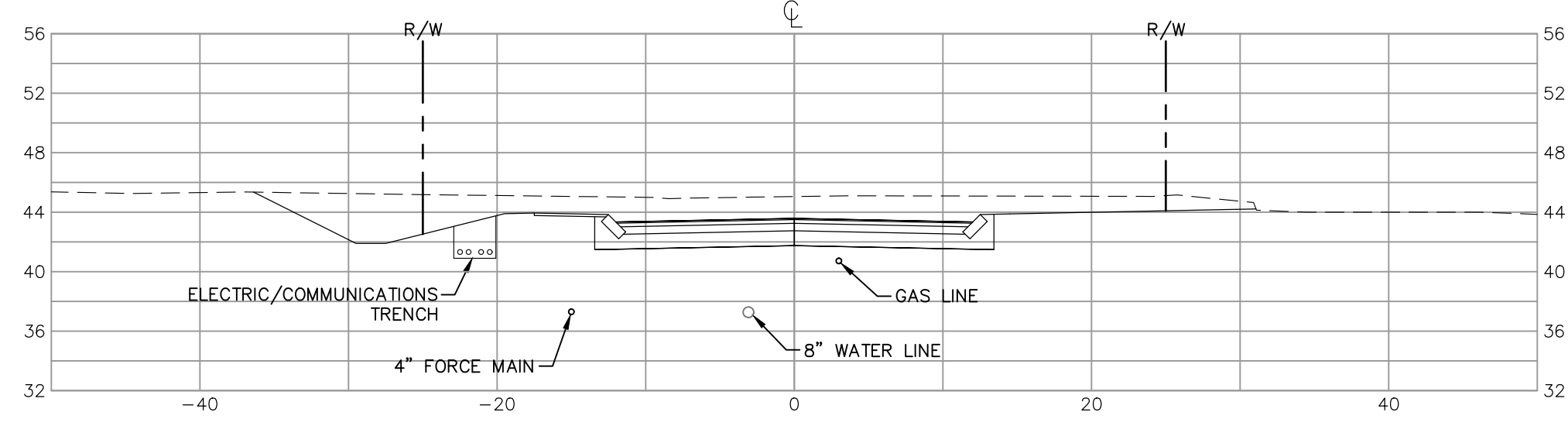
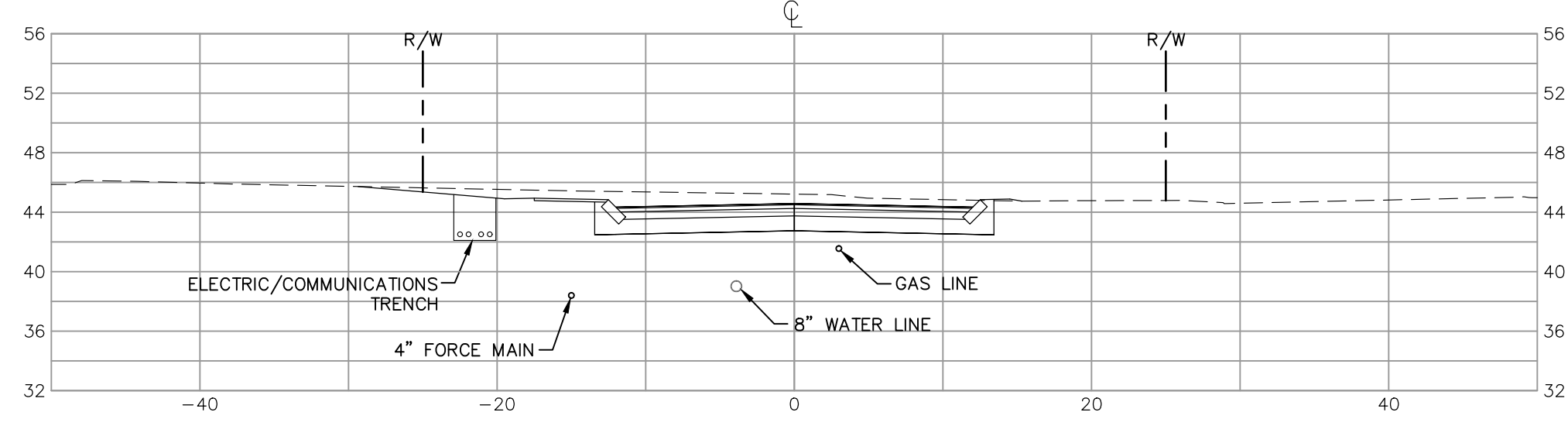


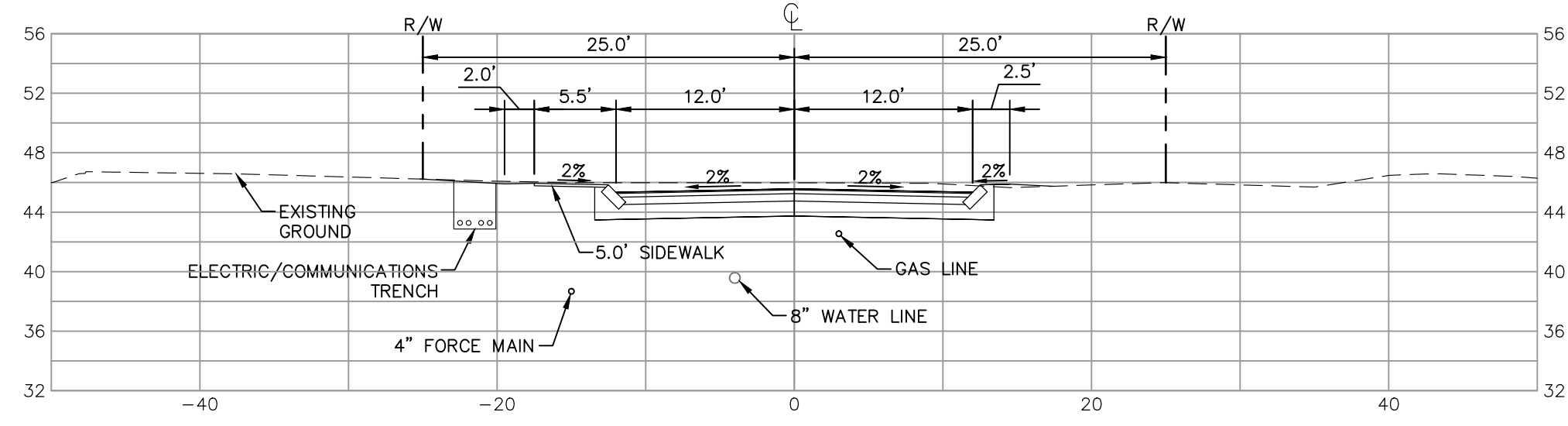
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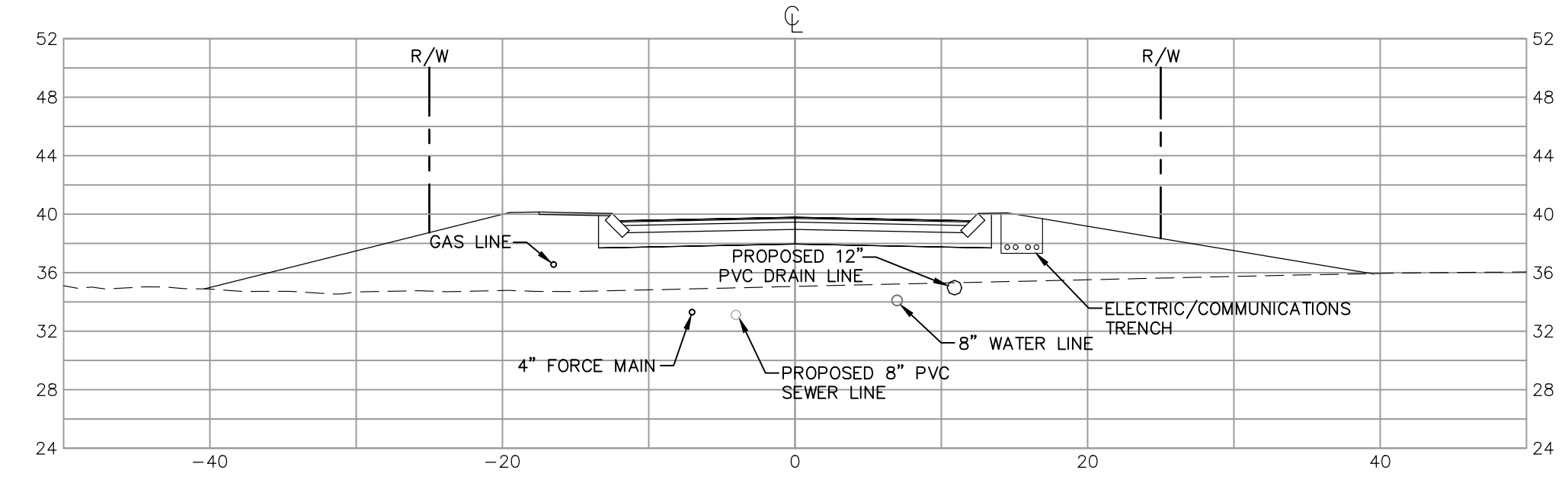
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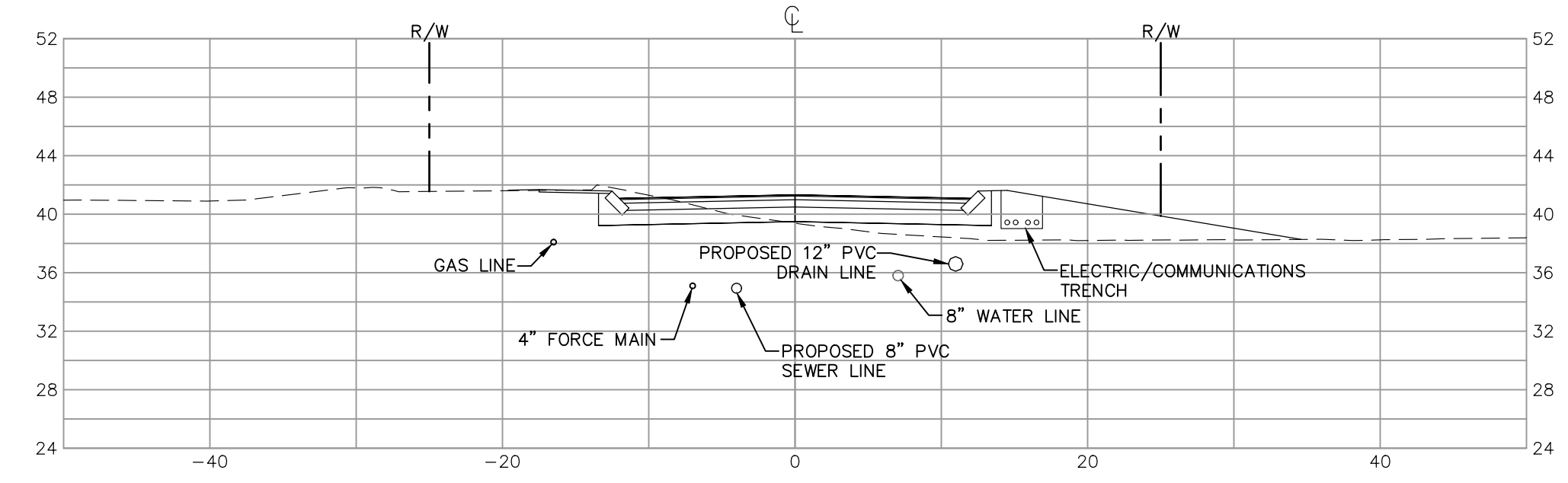
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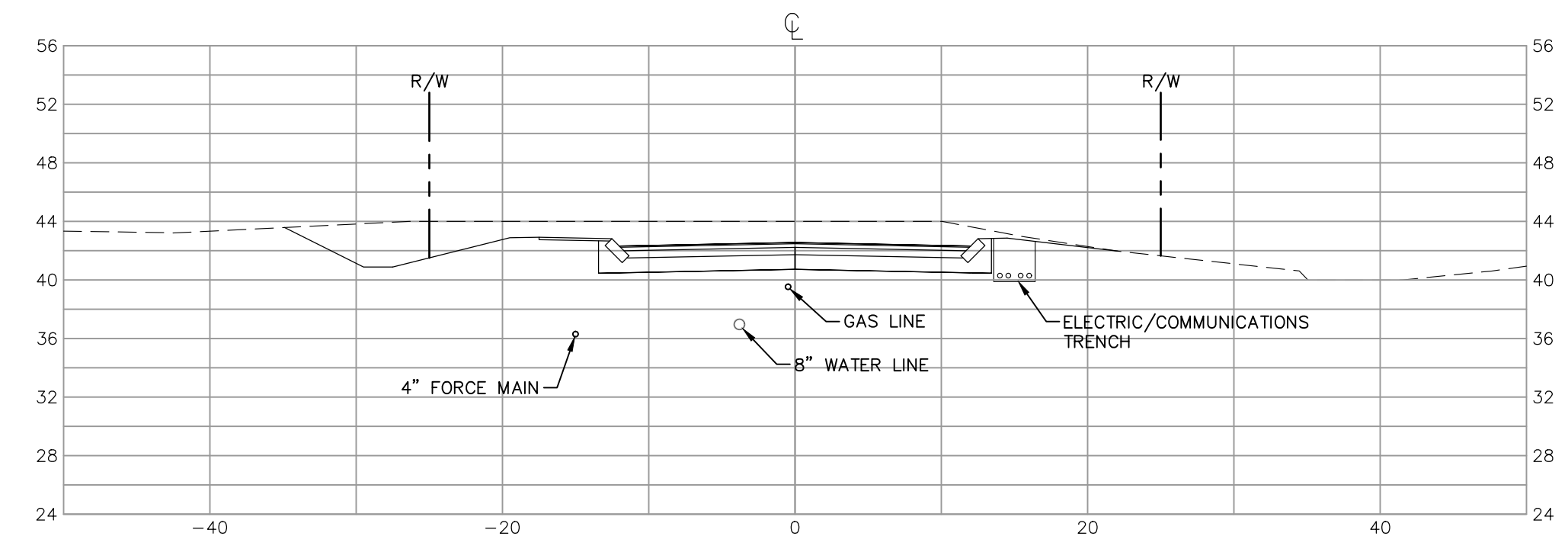
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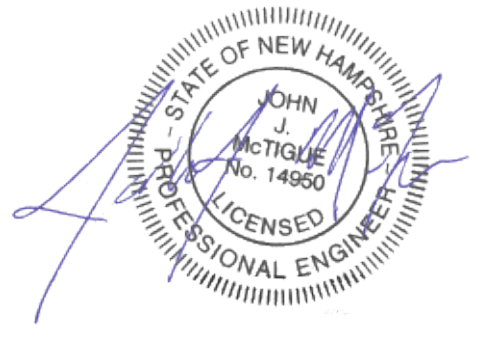
39.79
103+00



41.32
102+50



42.56
102+00



PLANNING BOARD FILE #17-27

APPROVED BY THE EXETER PLANNING BOARD

ON _____
CHAIRMAN: _____ AND
SECRETARY: _____

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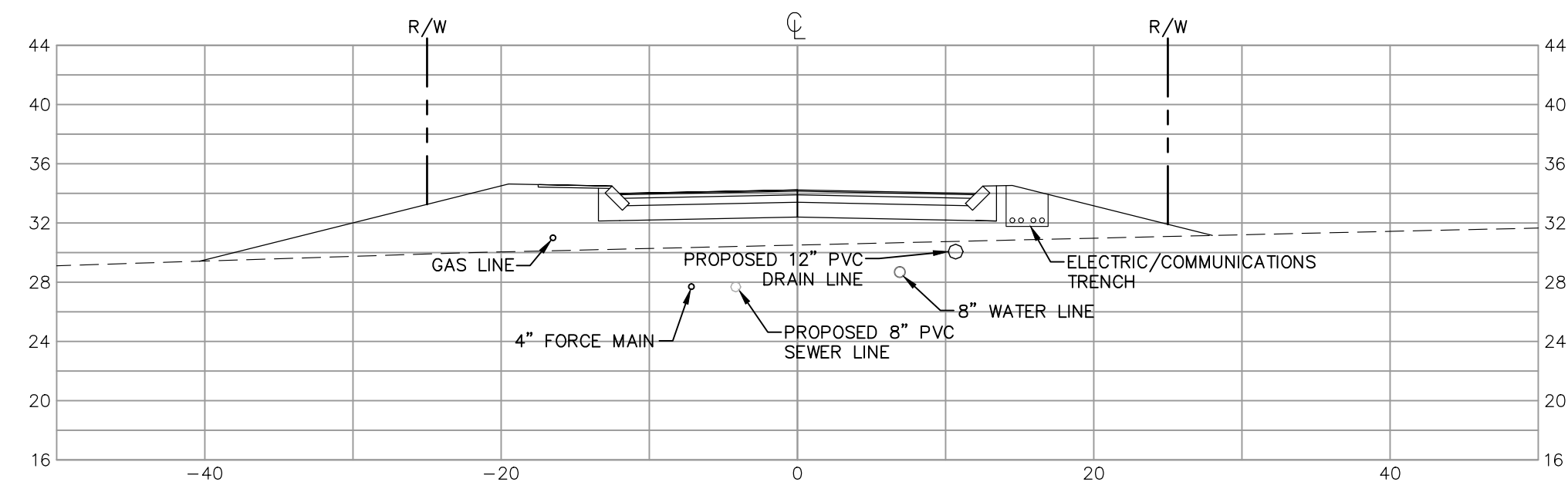


TAX MAP 54 LOTS 5, 6 & 7 TAX MAP 63 LOT 205
ROSE FARM LANE CROSS SECTIONS
EXETER ROSE FARM
FOREST STREET & OAK STREET EXTENSION
EXETER, NEW HAMPSHIRE, COUNTY OF ROCKINGHAM
BENJAMIN & JOAN DAGOSTINO REVOCABLE TRUST
OWNED BY
EXETER ROSE FARM, LLC & BENJAMIN & JOAN DAGOSTINO TRUSTS
1"=10'
1"=20'
OCTOBER 31, 2017

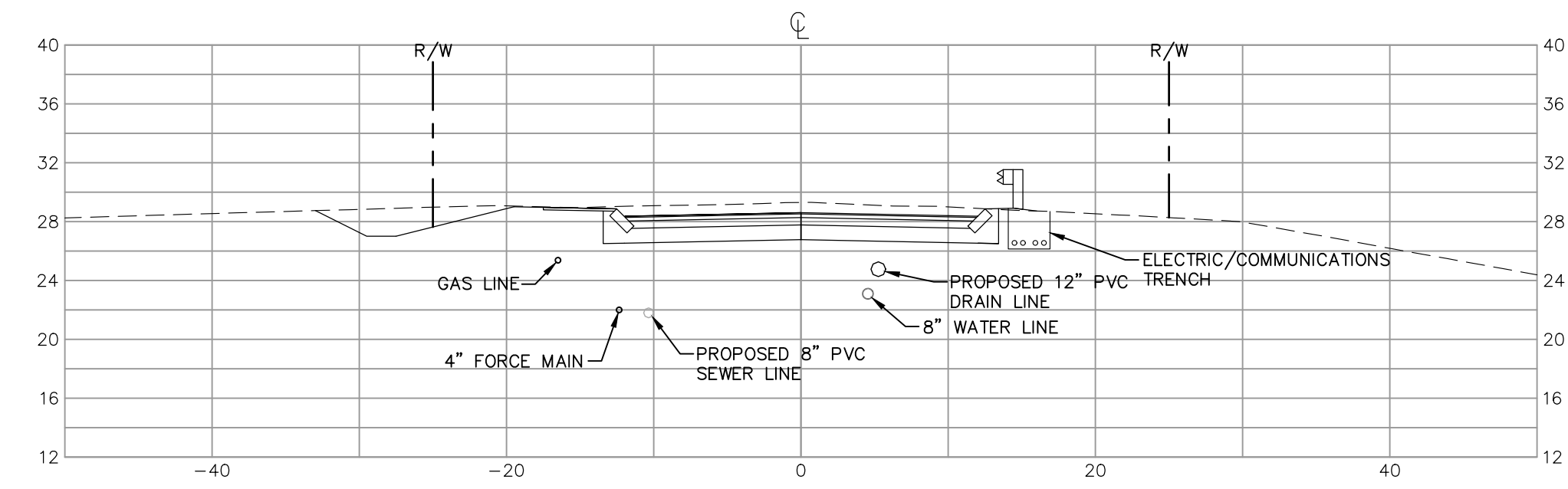
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		Civil Engineers Structural Engineers Traffic Engineers Land Surveyors Landscape Architects Scientists	170 Commerce Way, Suite 102 Portsmouth, NH 03801 Phone (603) 431-2222 Fax (603) 431-0910 www.tfmoran.com

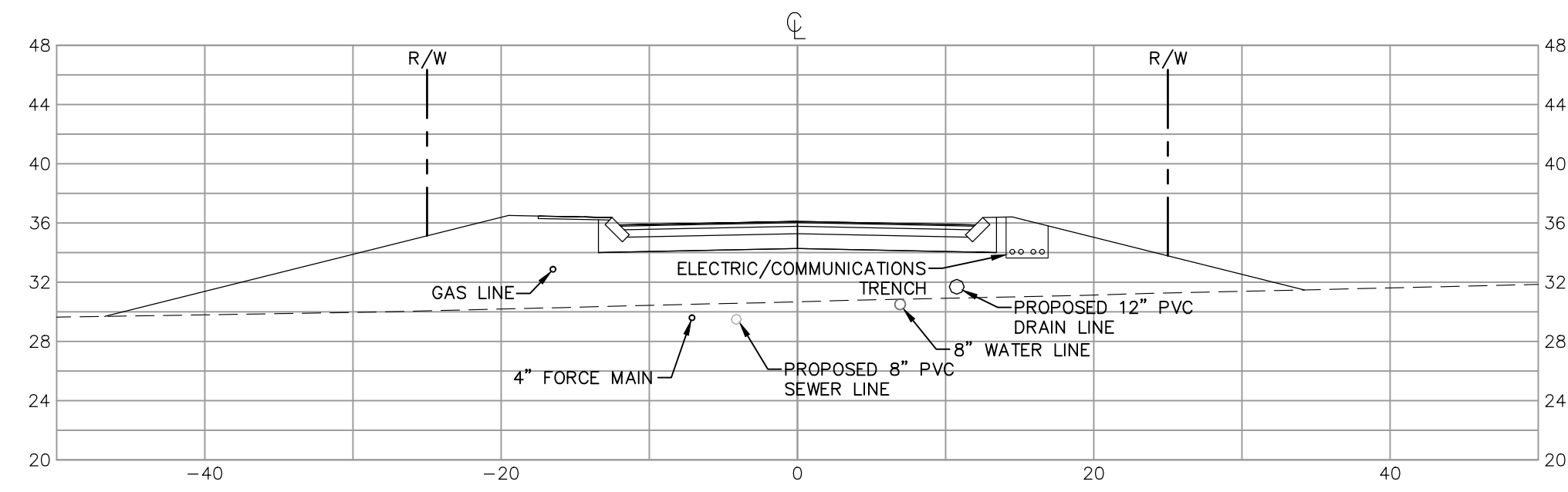
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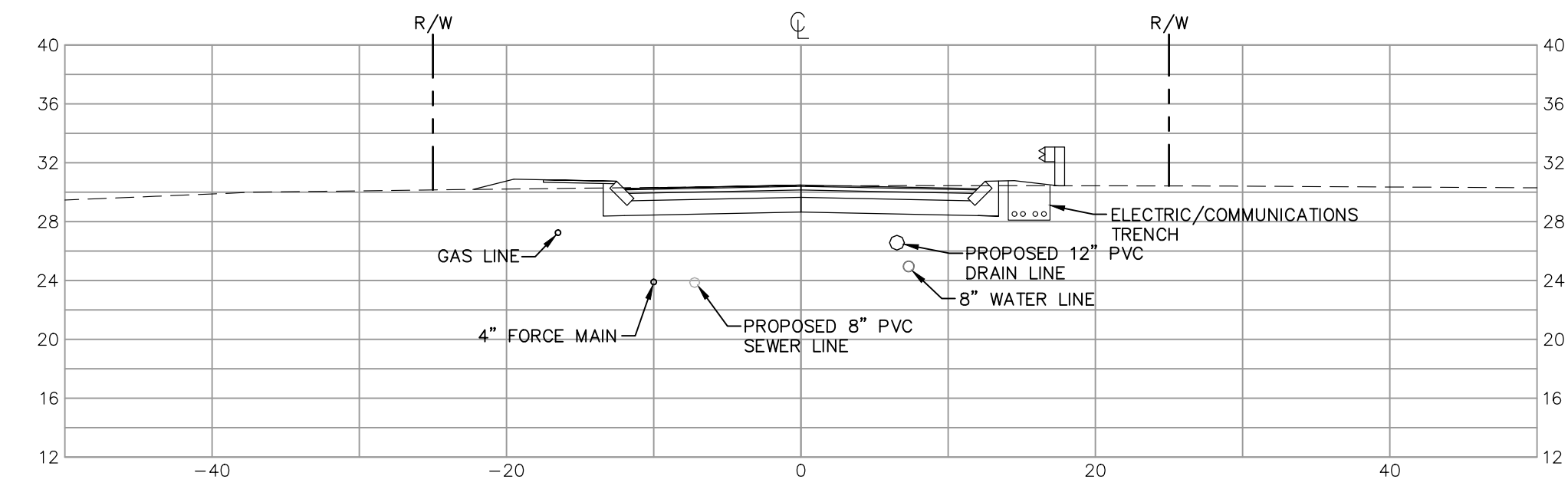
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104+50



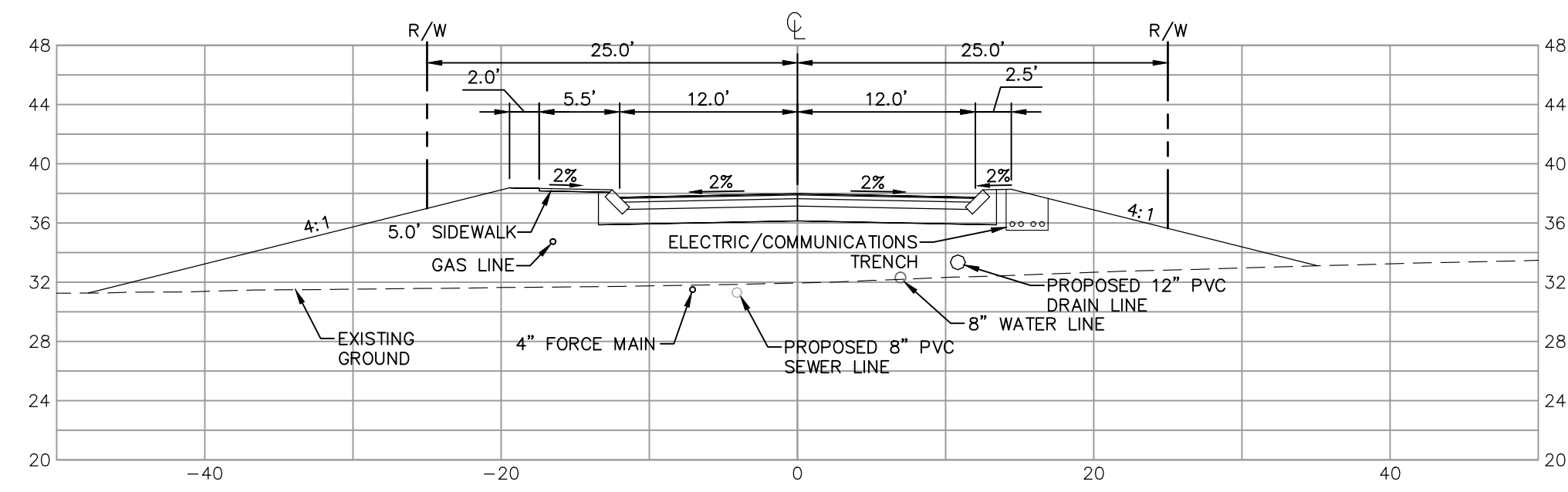
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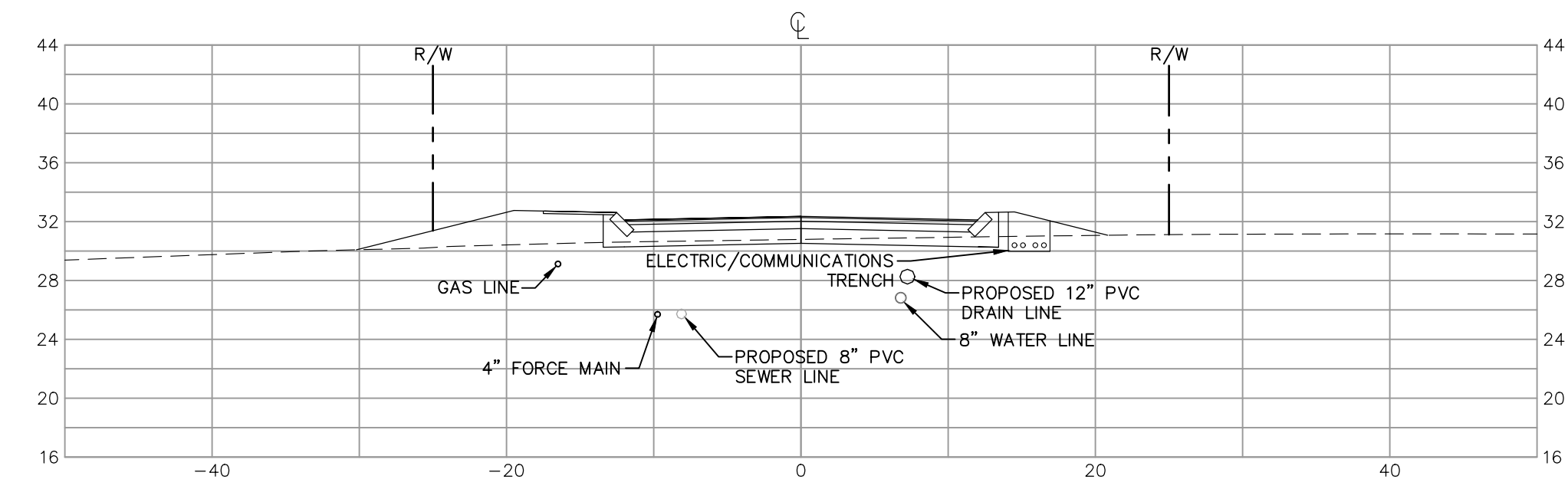
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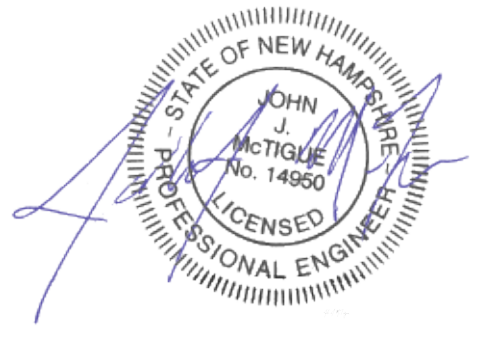
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105+00



37.98
103+50



32.36
105+00



PLANNING BOARD FILE #17-27

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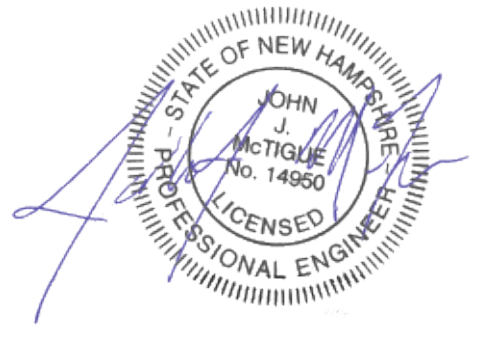
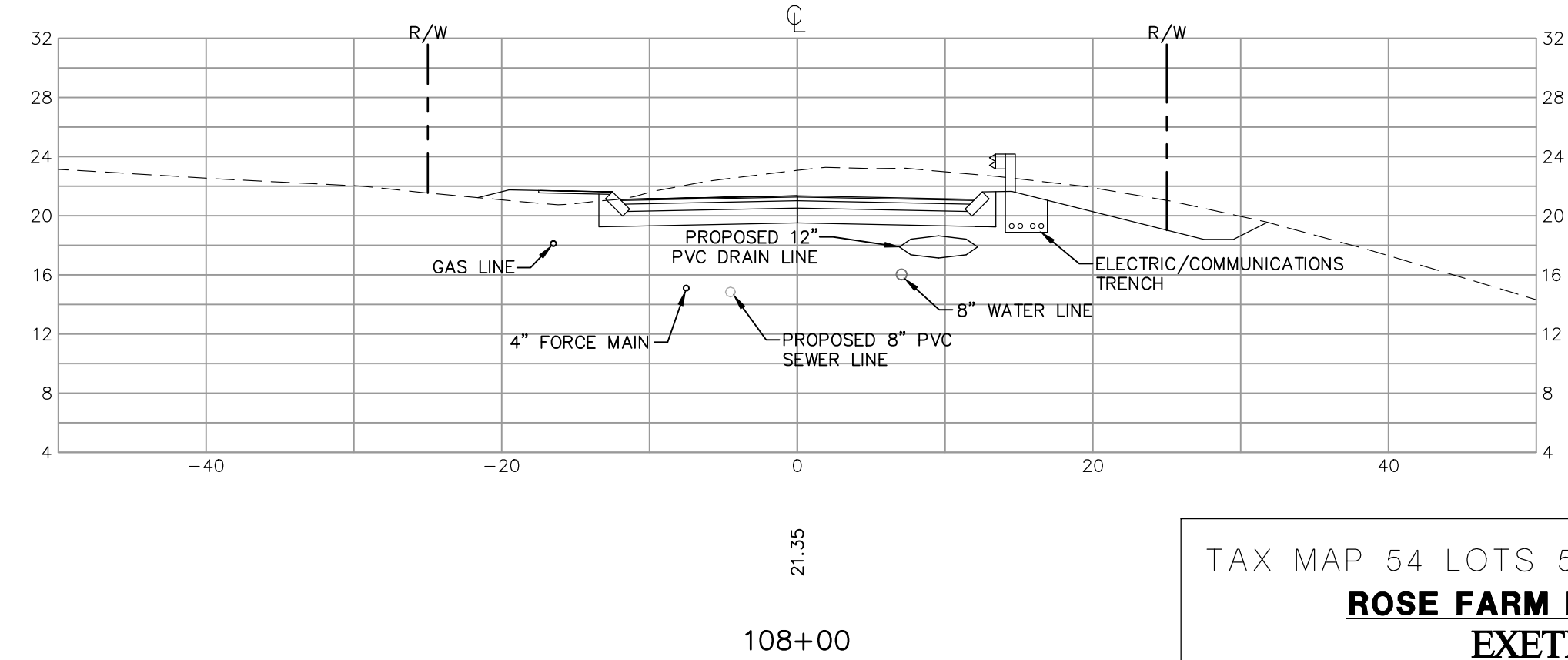
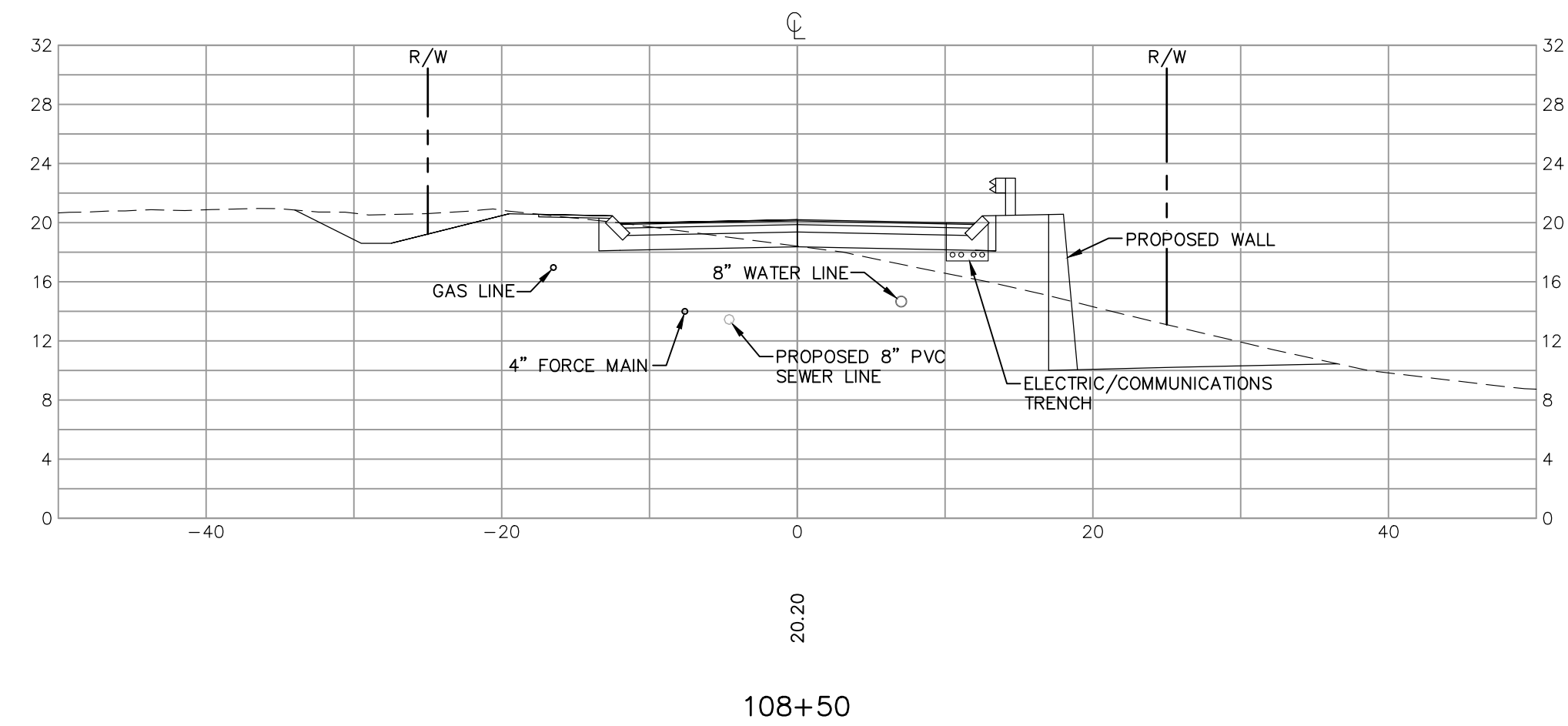
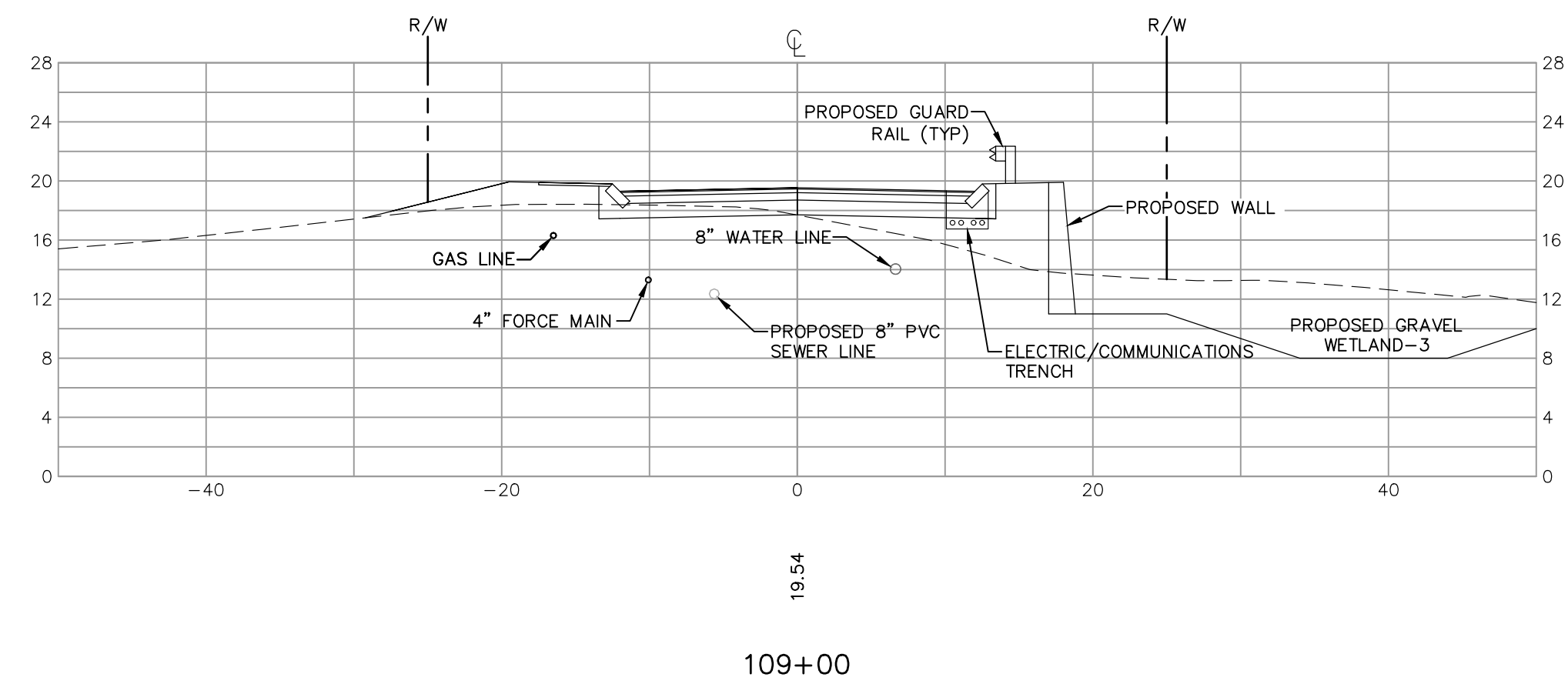
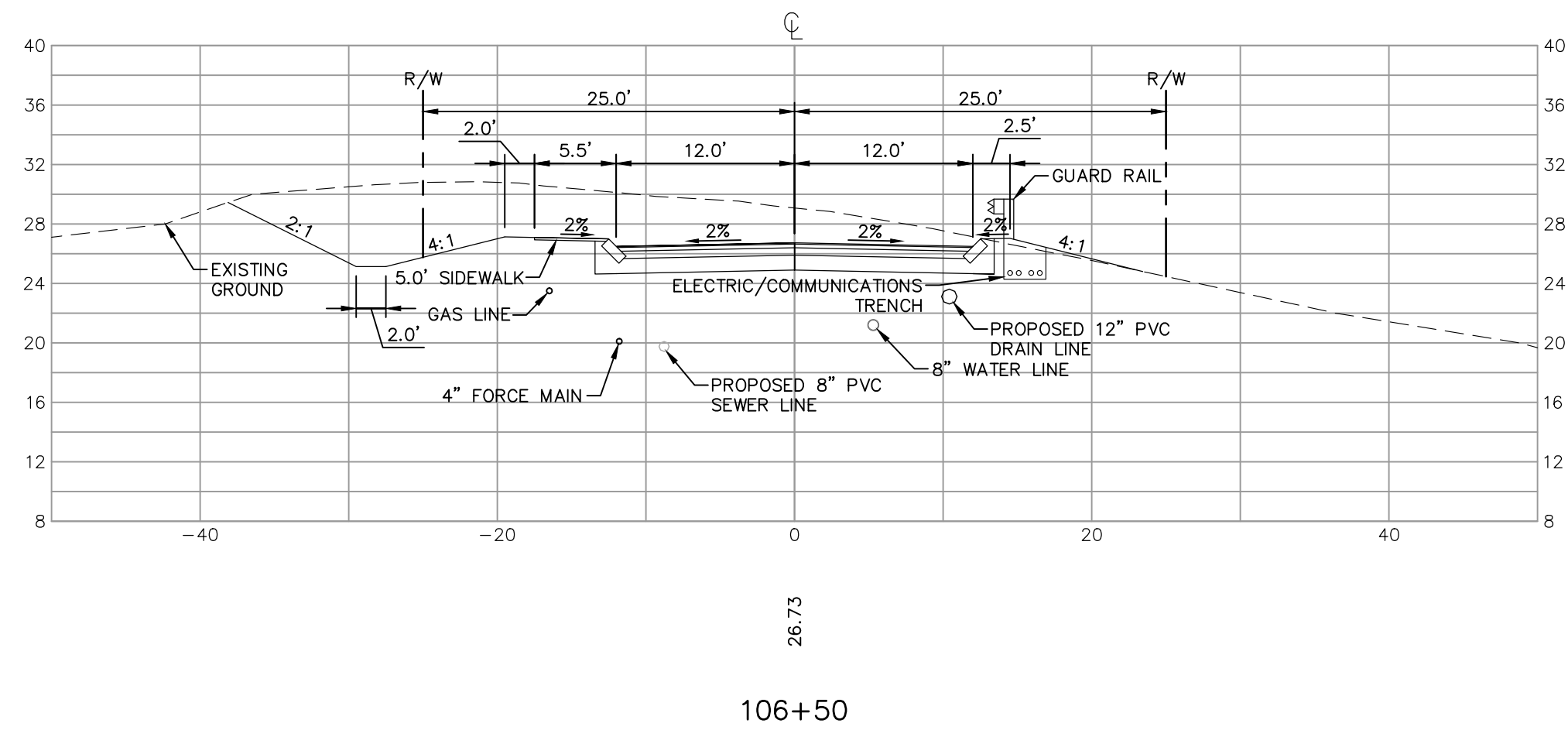
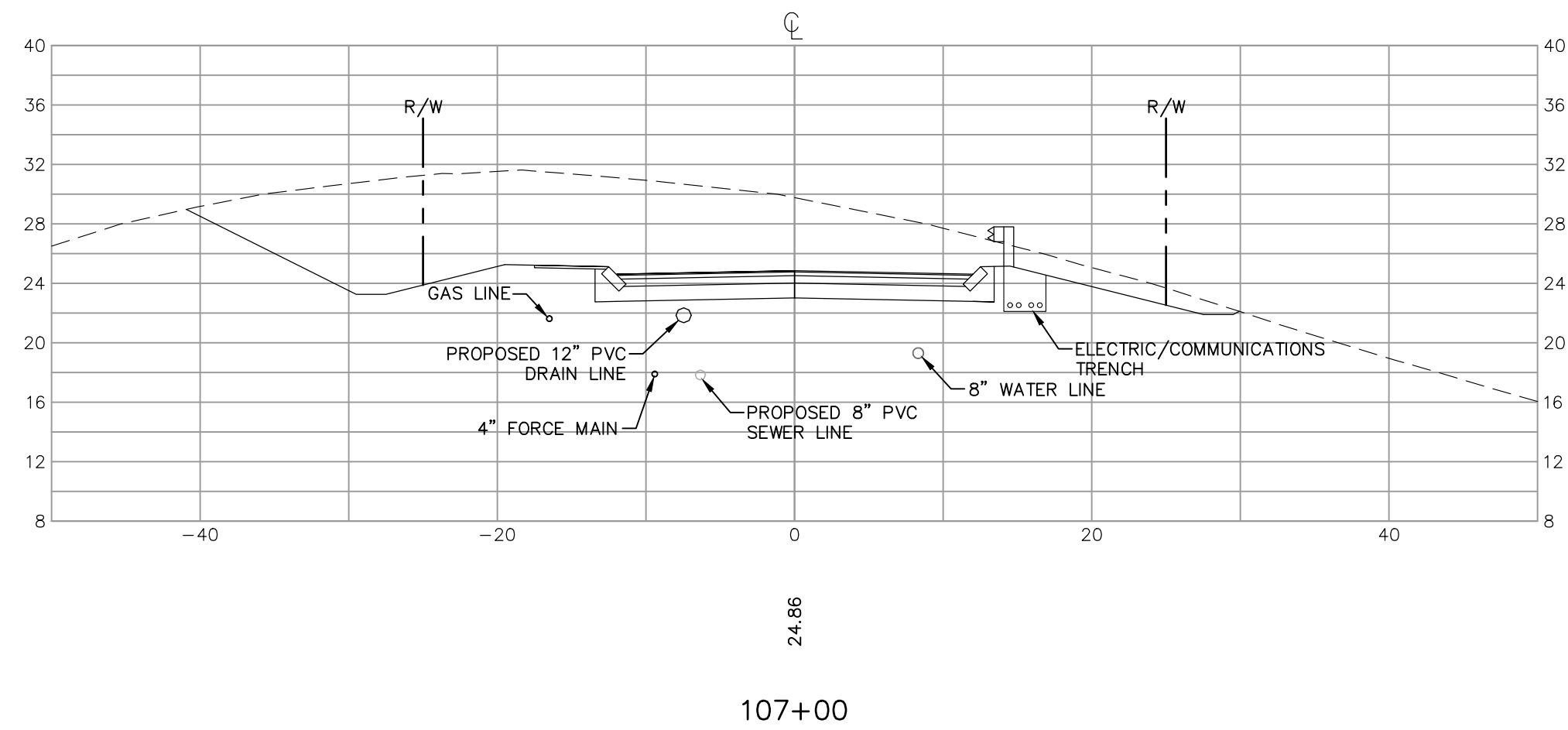
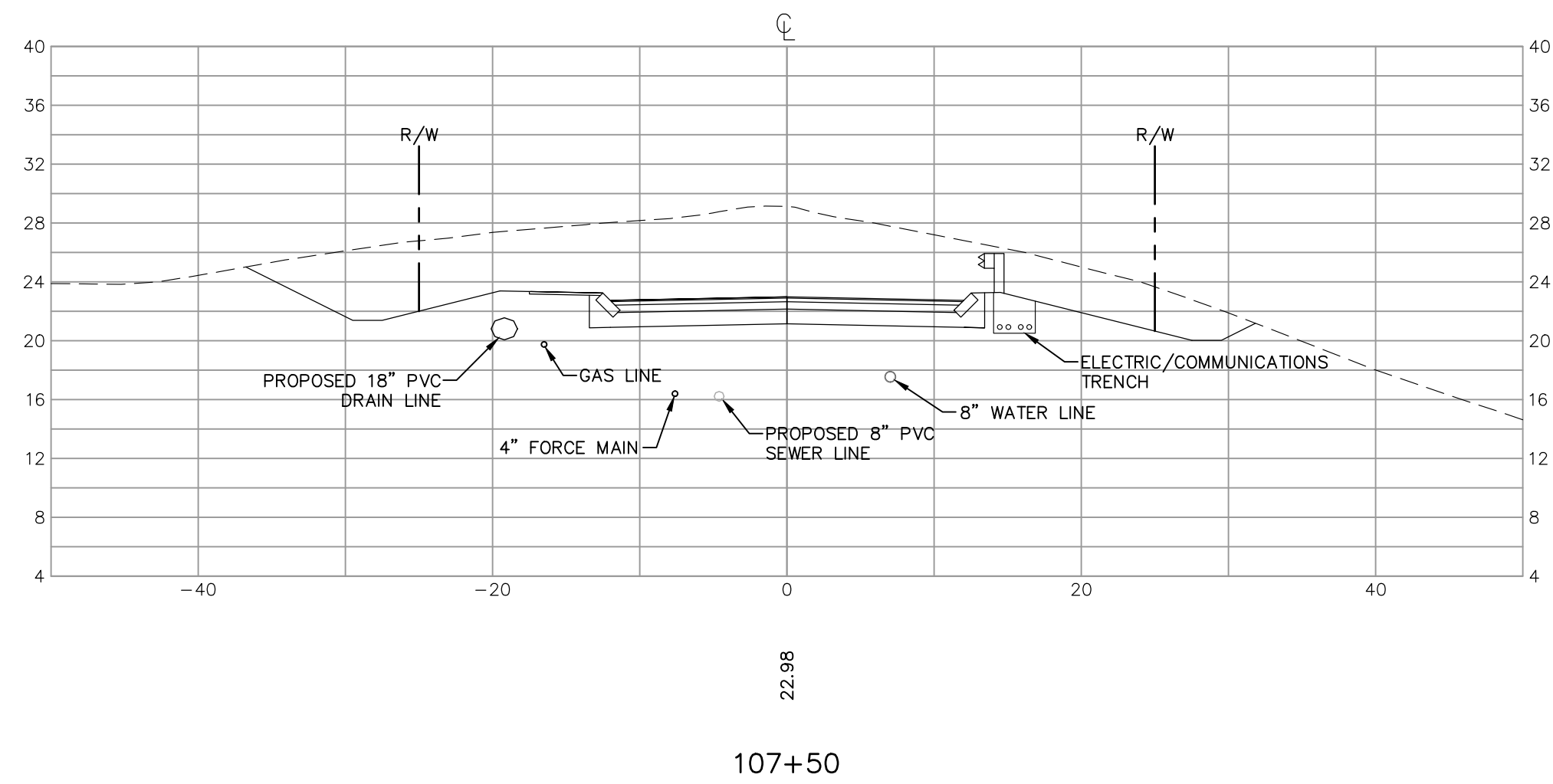
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ROSE FARM LANE CROSS SECTIONS
EXETER ROSE FARM
FOREST STREET & OAK STREET EXTENSION
EXETER, NEW HAMPSHIRE, COUNTY OF ROCKINGHAM
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EXETER ROSE FARM, LLC & BENJAMIN & JOAN DAGOSTINO REVOCABLE TRUSTS
 1"=10'
 1"=20'
OCTOBER 31, 2017

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3	7/10/18	REVISED PER PLANNING BOARD COMMENTS	ETP	JJM
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1	10/31/17	NEW SHEET PER DESIGN REVIEW COMMENTS	ETP	JJM



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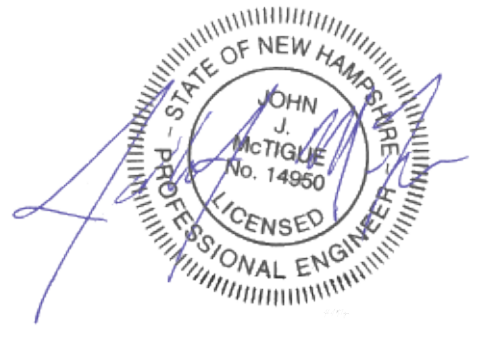
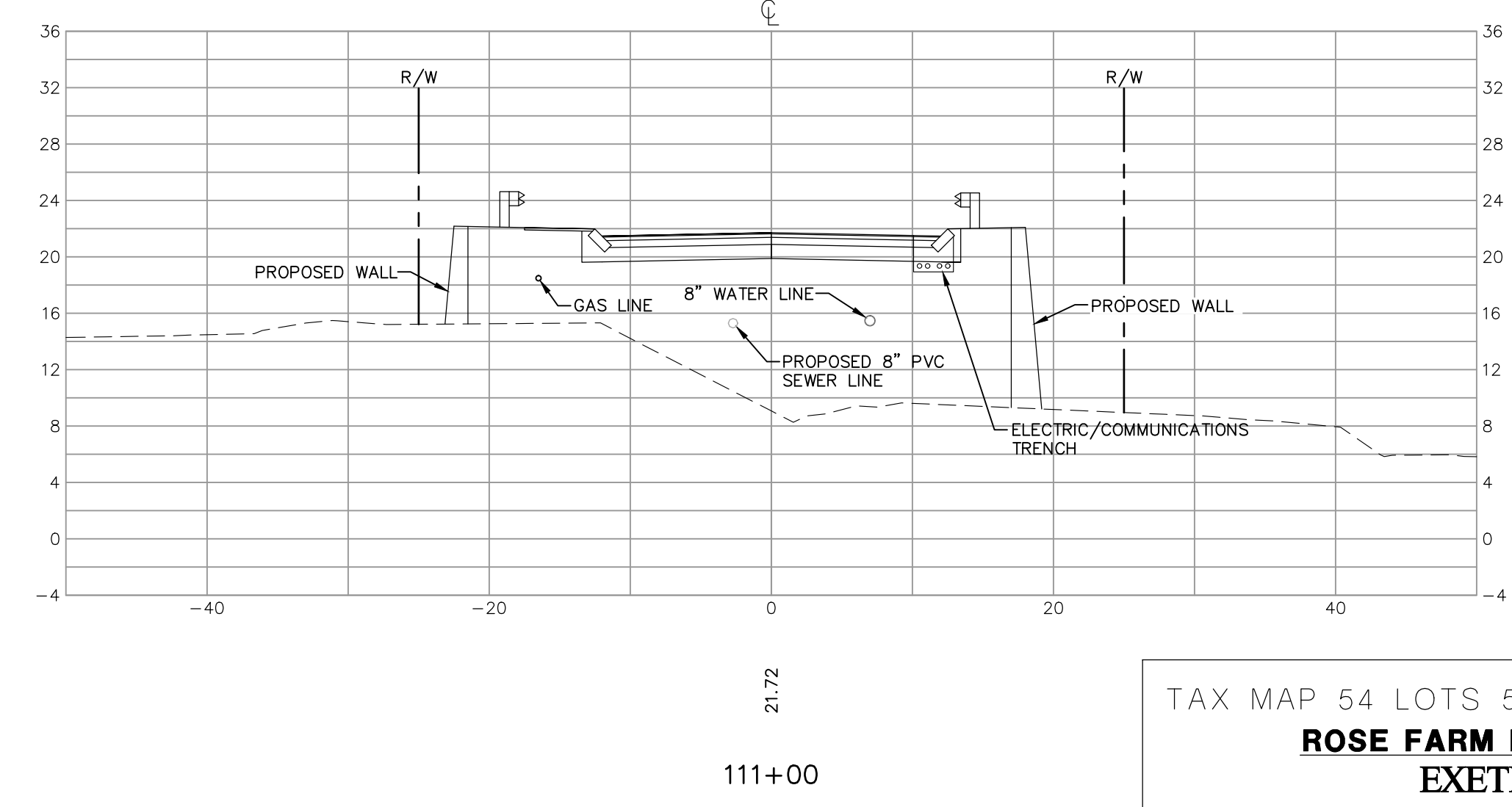
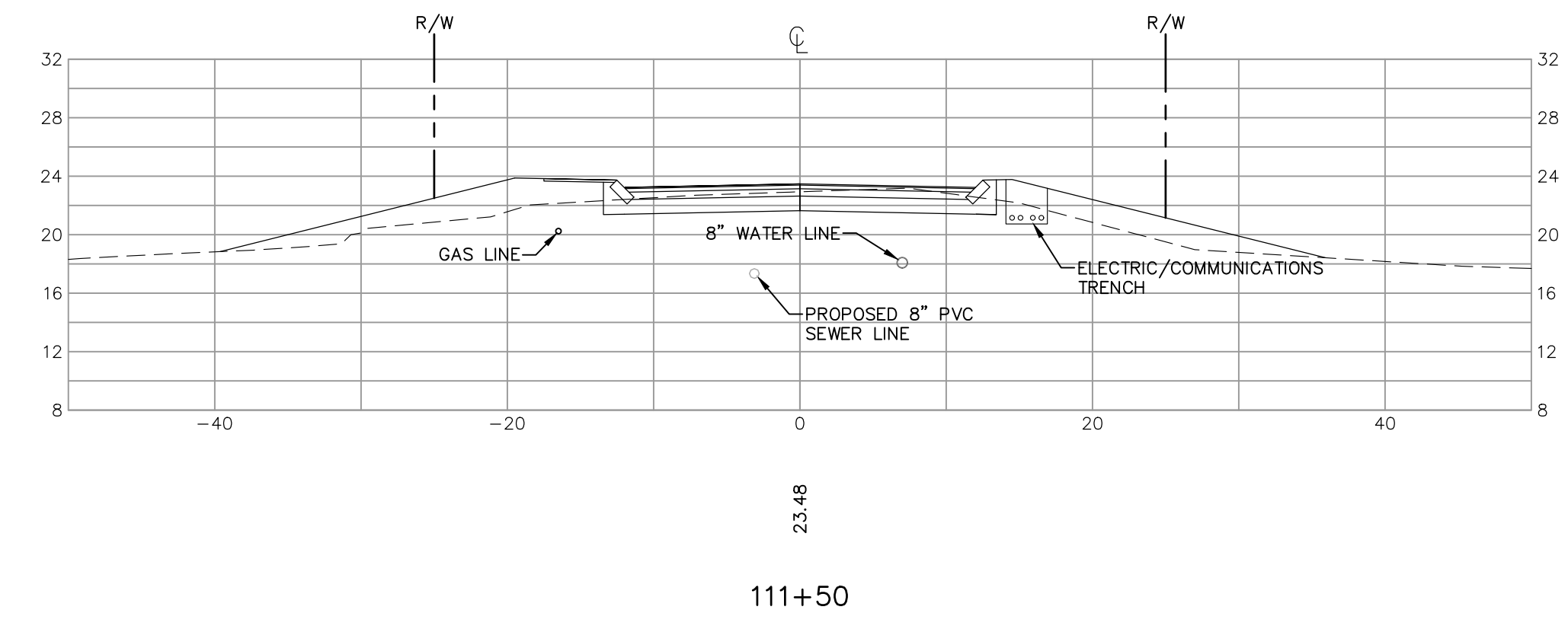
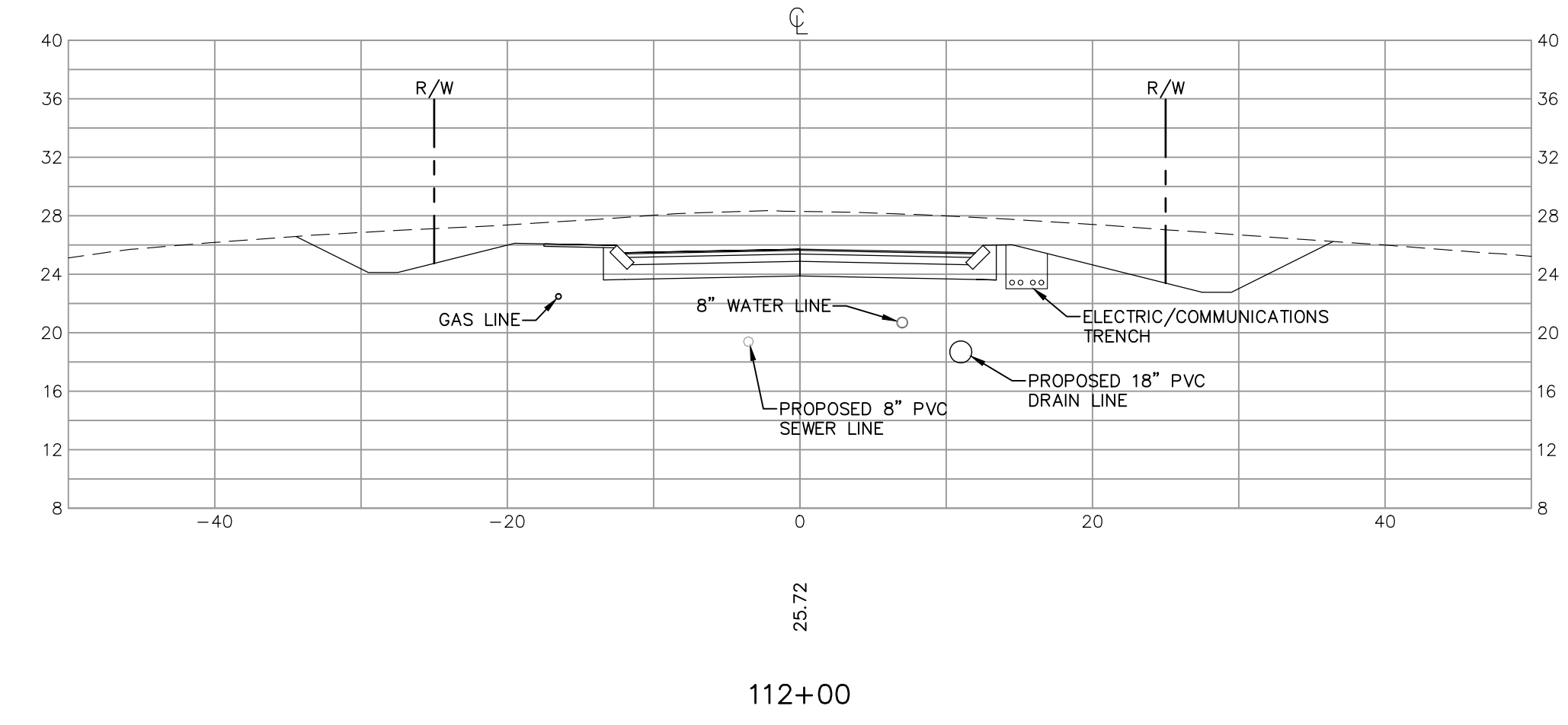
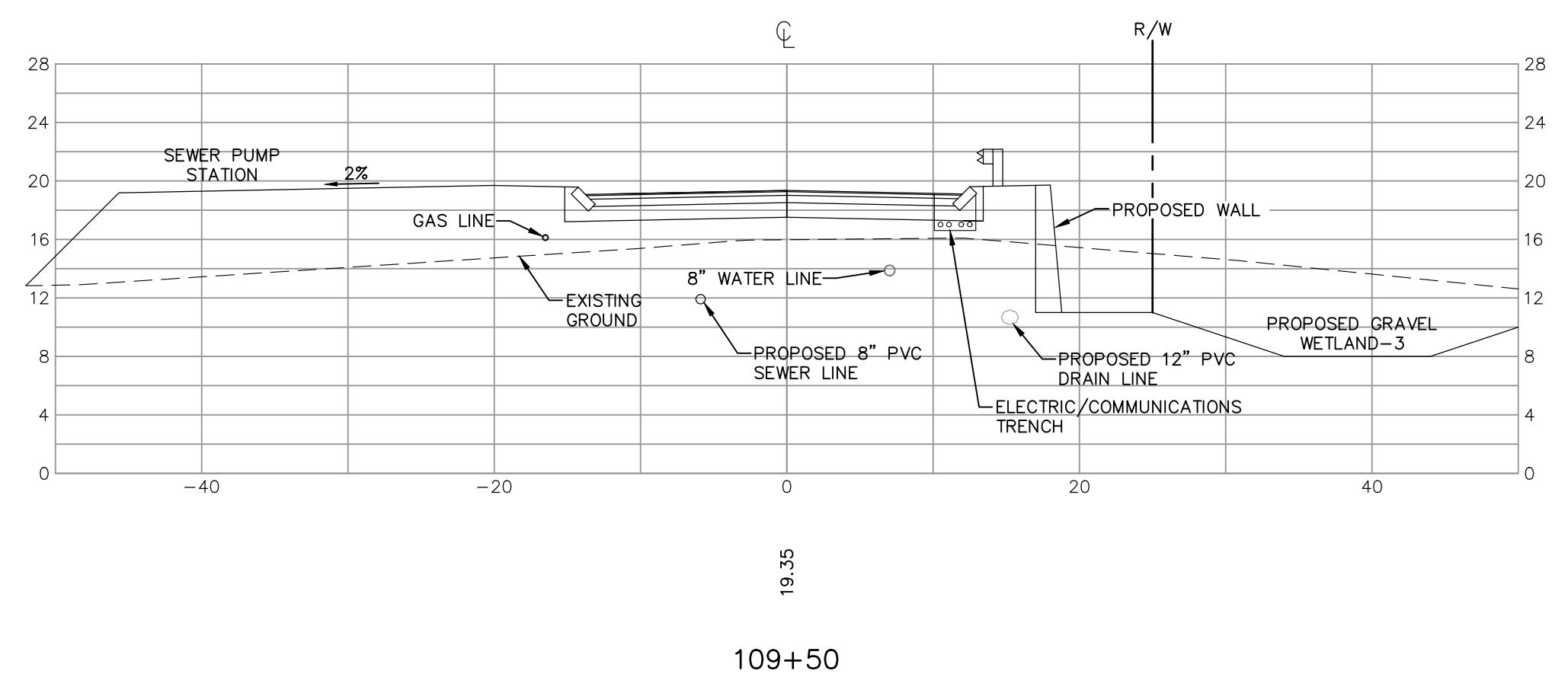
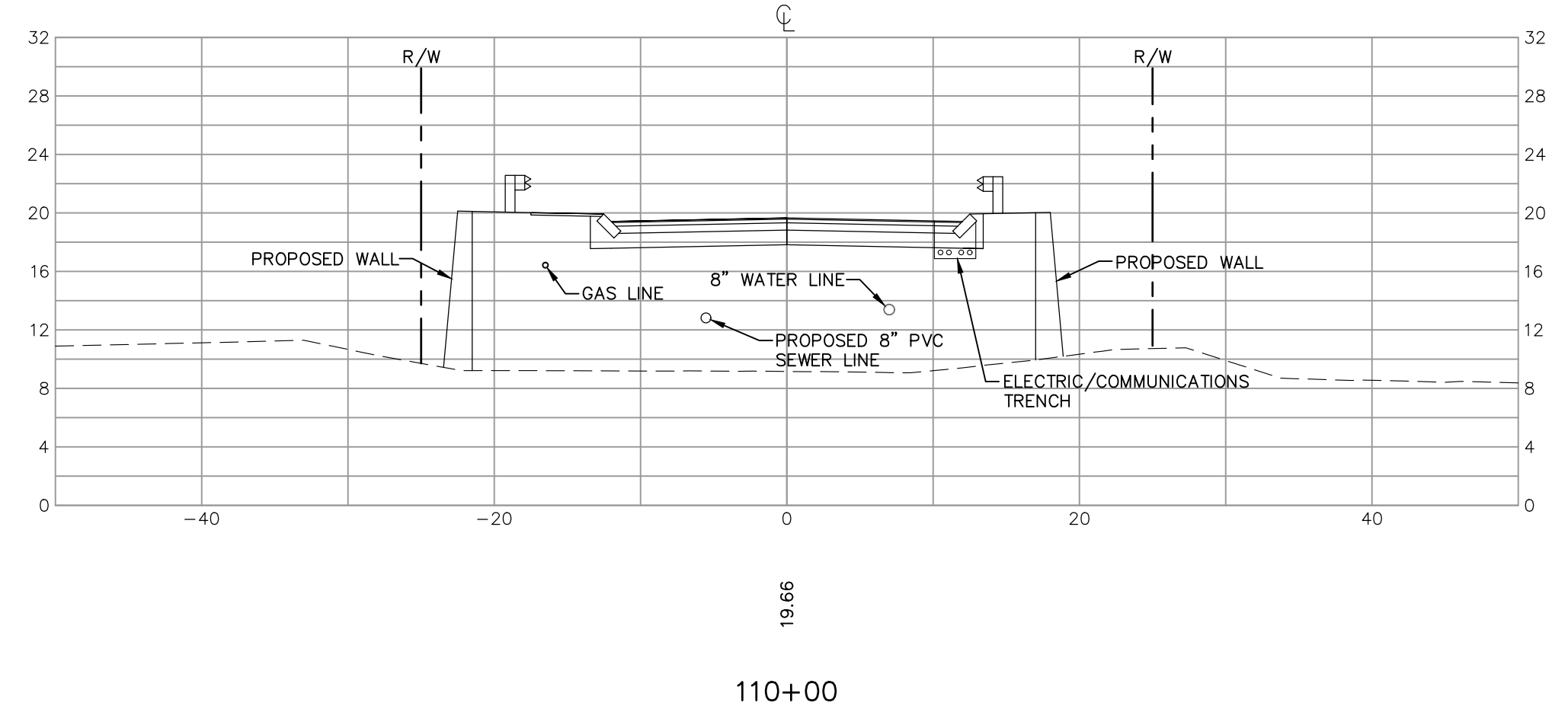
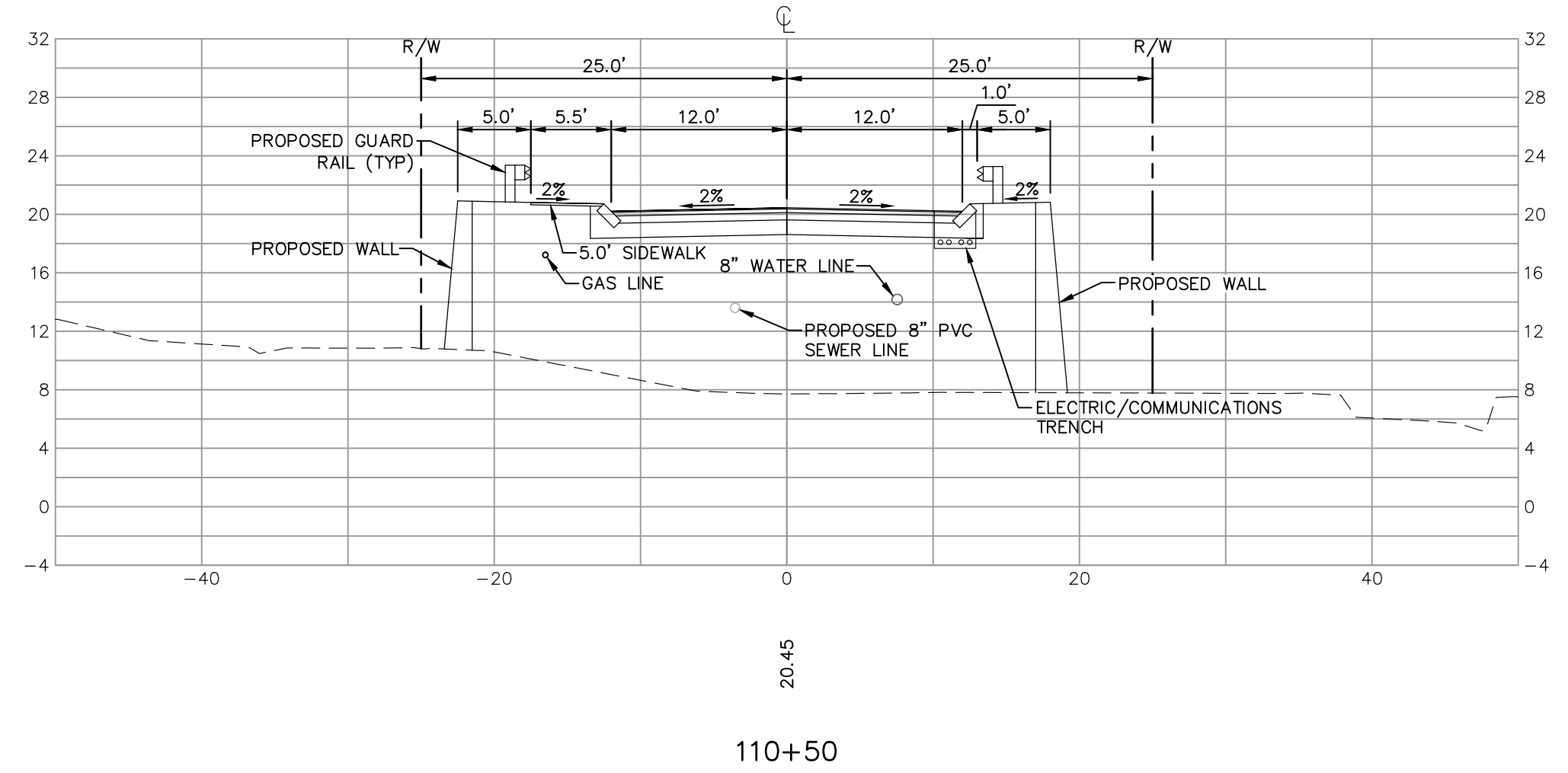
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 1"=10'
 1"=20' **OCTOBER 31, 2017**

PLANNING BOARD FILE #17-27

APPROVED BY THE EXETER PLANNING BOARD
 ON _____
 CHAIRMAN: _____ AND
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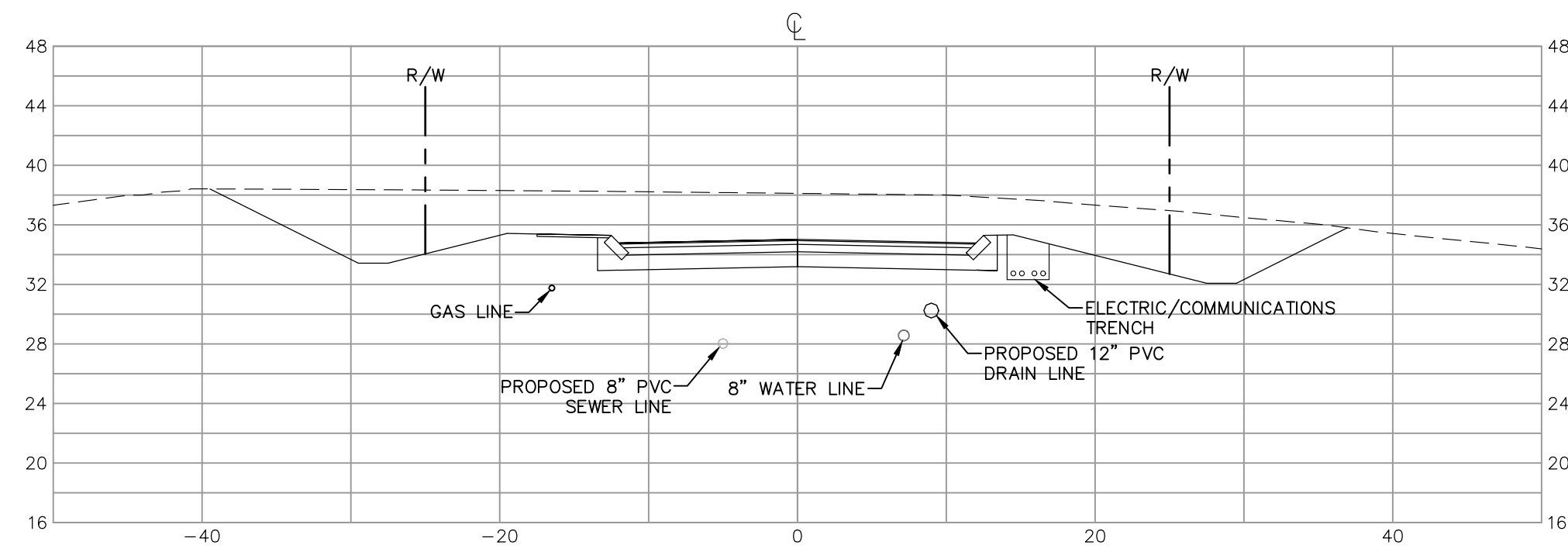
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4	8/31/18	REVISED PER TRC COMMENTS	ETP	JJM
3	7/10/18	REVISED PER PLANNING BOARD COMMENTS	ETP	JJM
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1	10/31/17	NEW SHEET PER DESIGN REVIEW COMMENTS	ETP	JJM



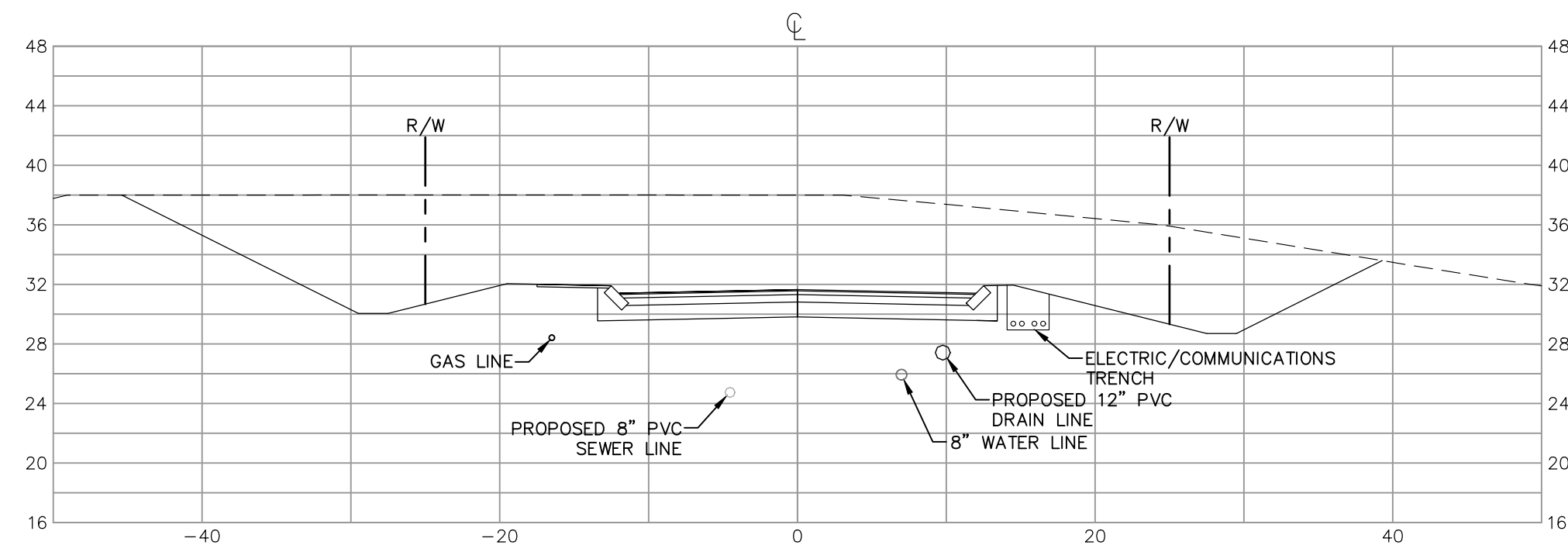
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FILE 47175.00 DR ETP FB CK JJM CADFILE Sections.dwg C-44

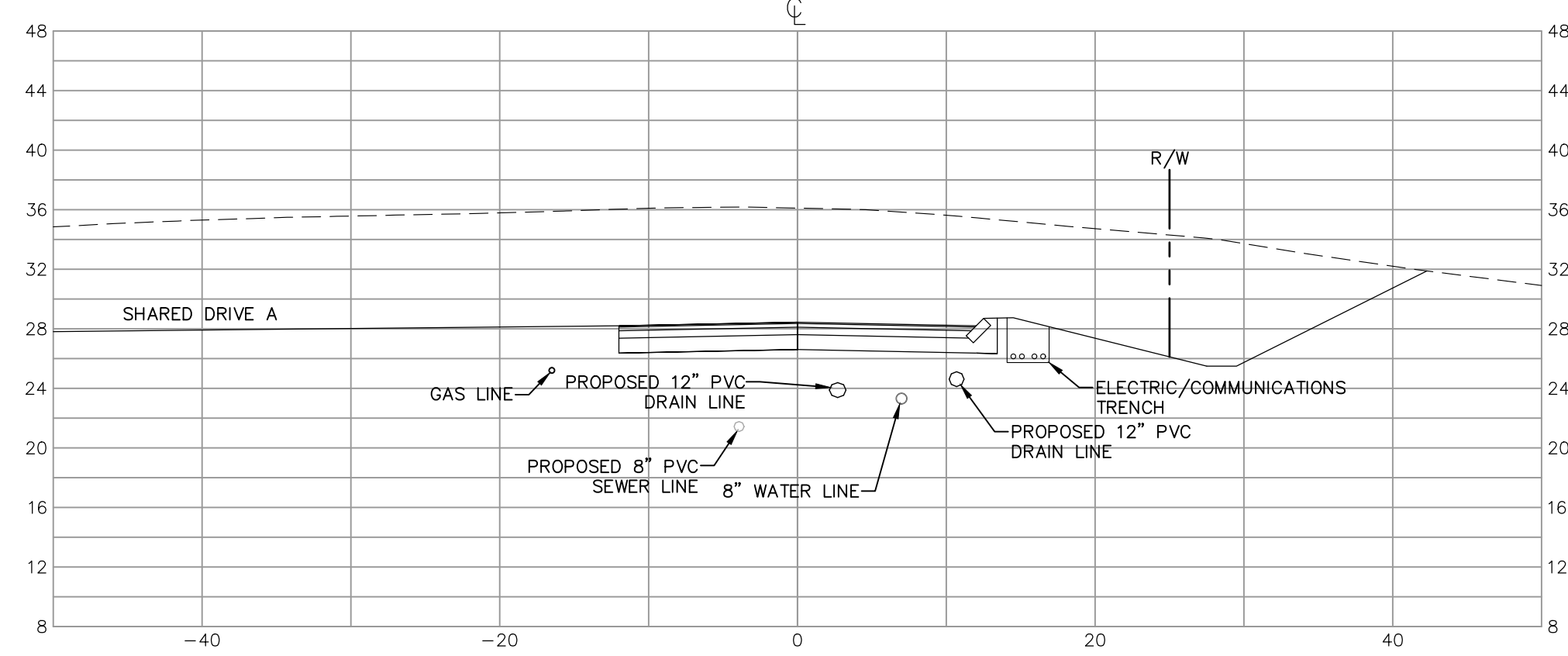
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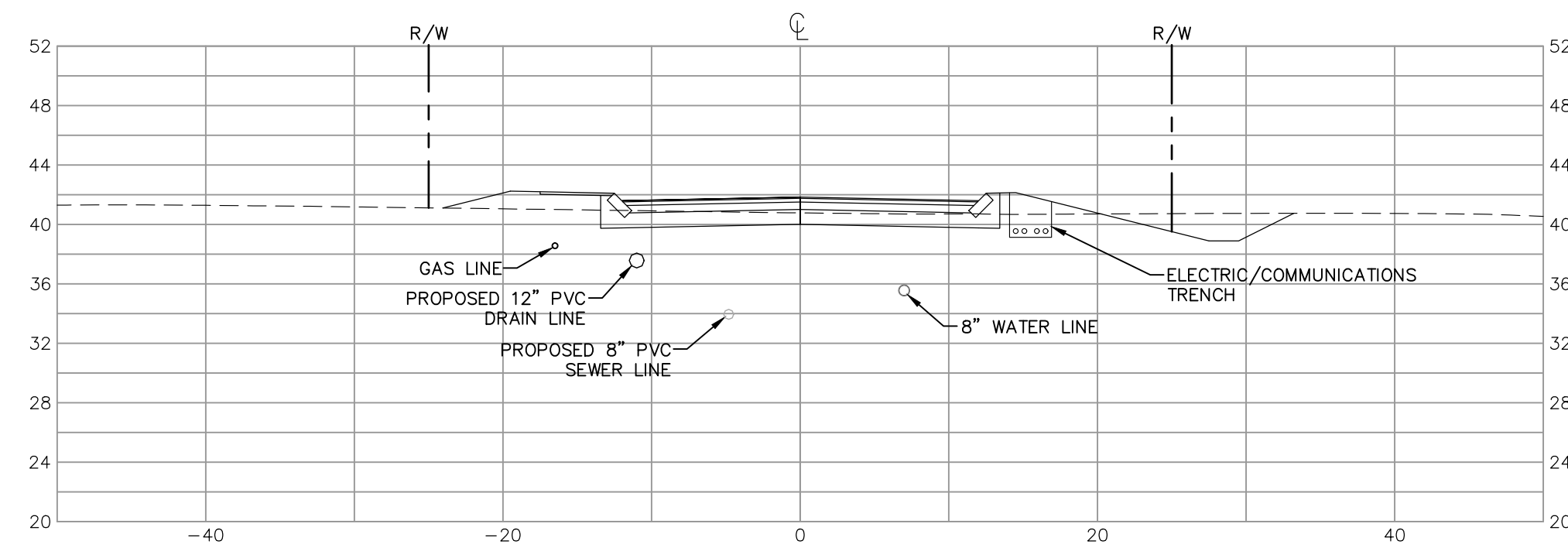
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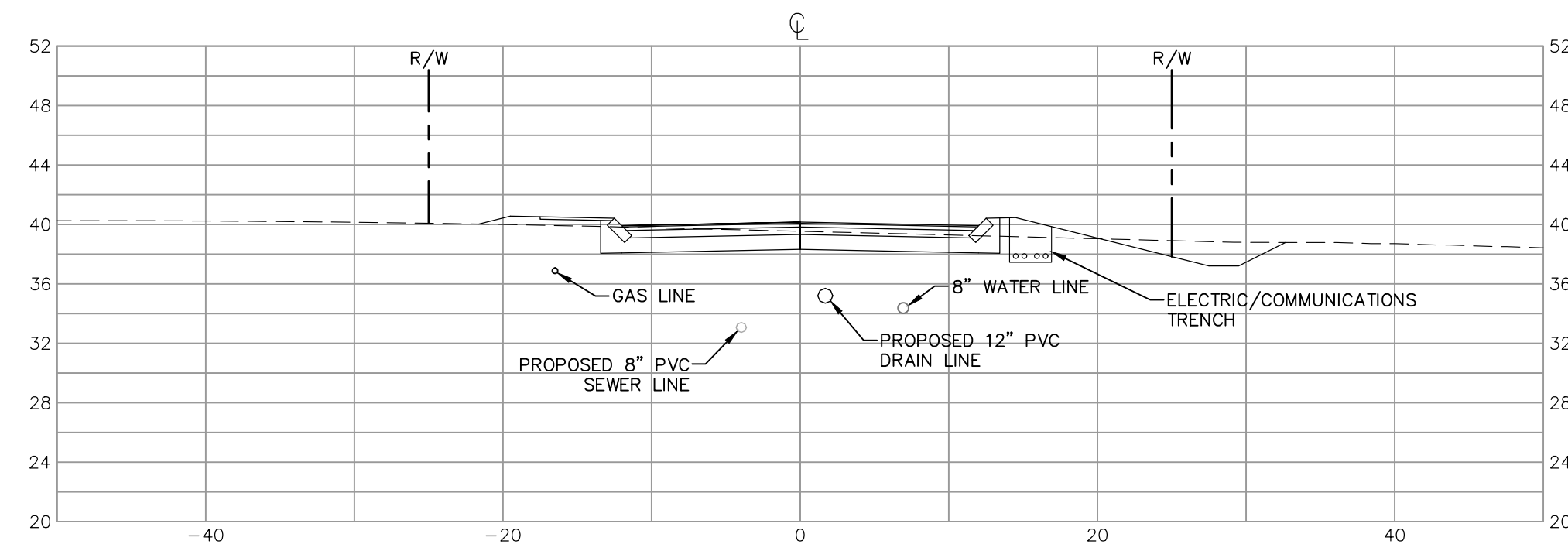
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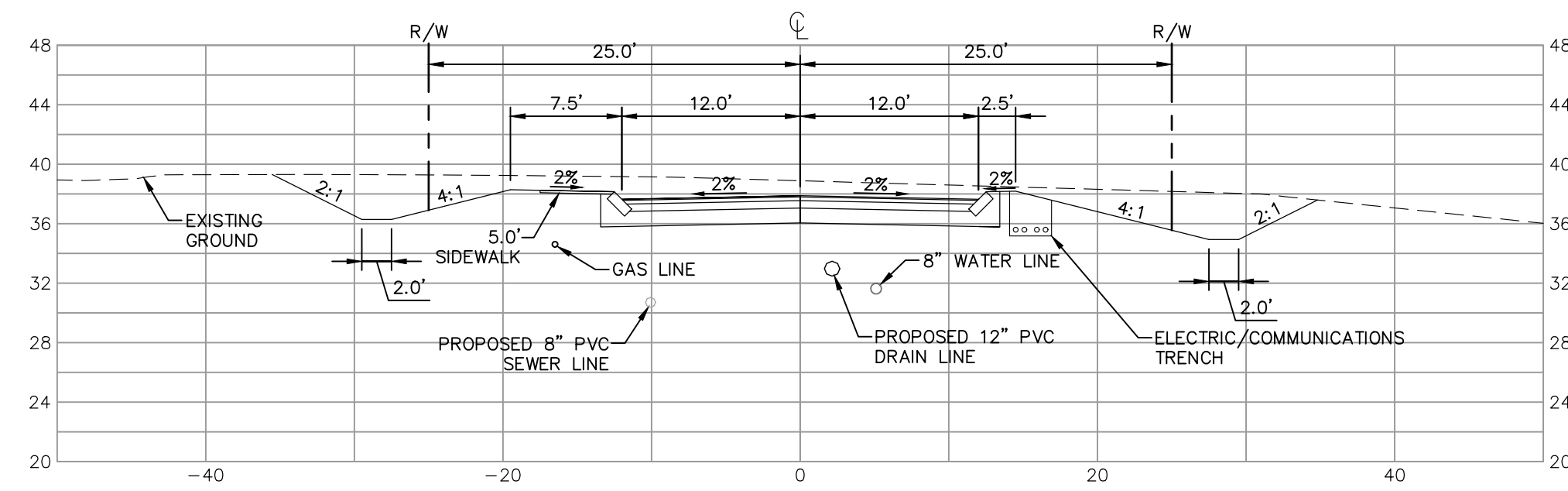
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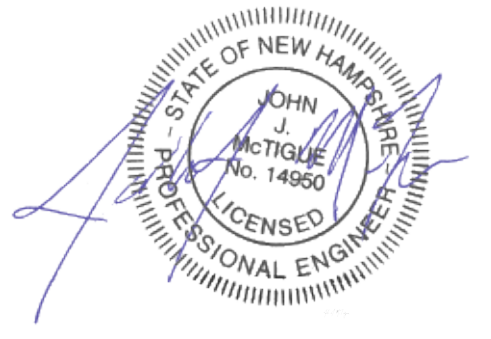
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115+00



40.16
114+50



37.89
114+00



PLANNING BOARD FILE #17-27

APPROVED BY THE EXETER PLANNING BOARD

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 1"=10'
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OCTOBER 31, 2017

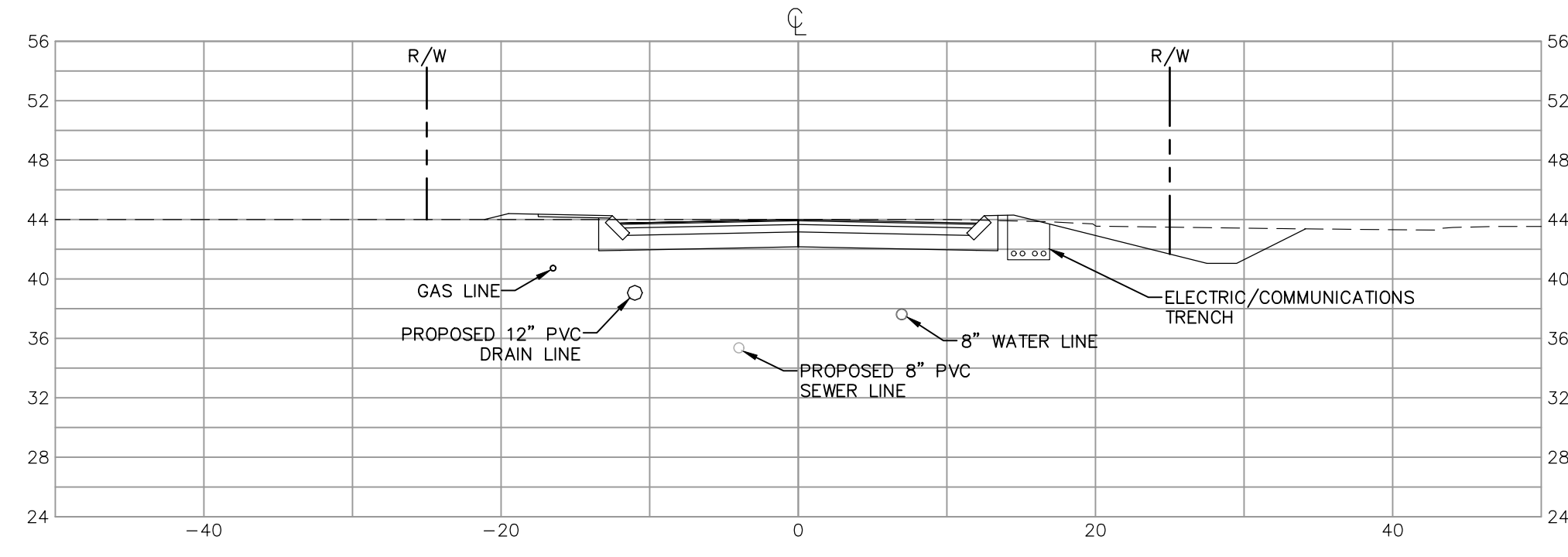
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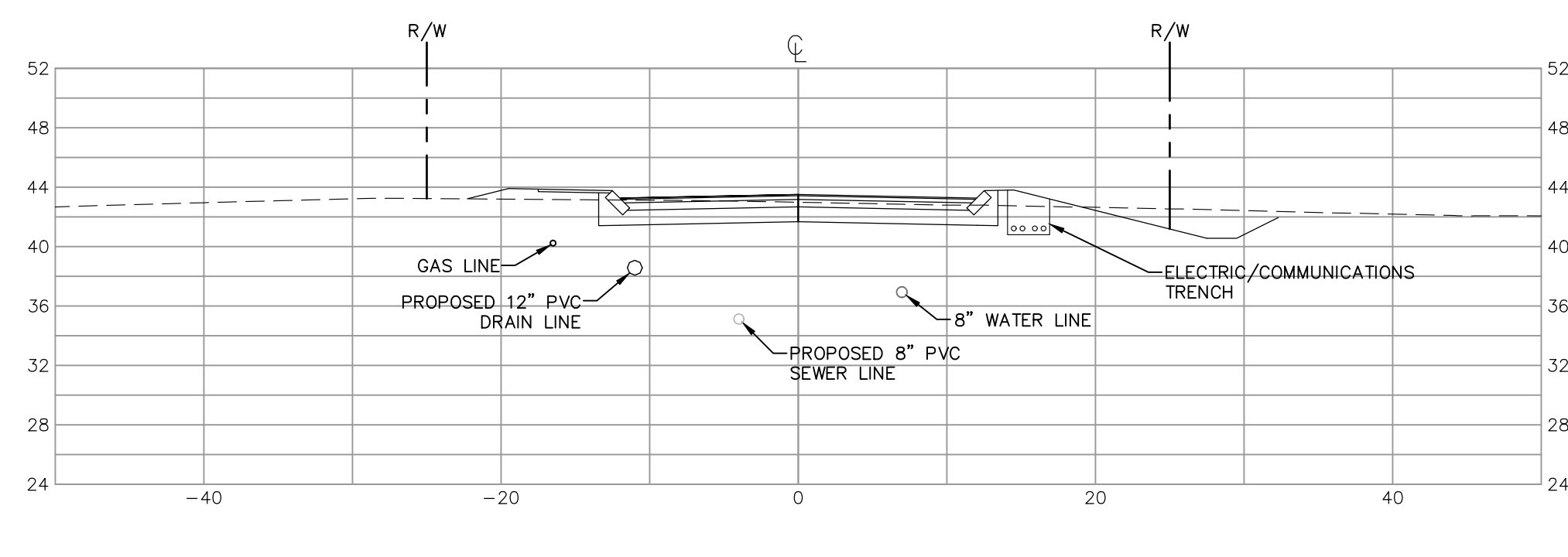
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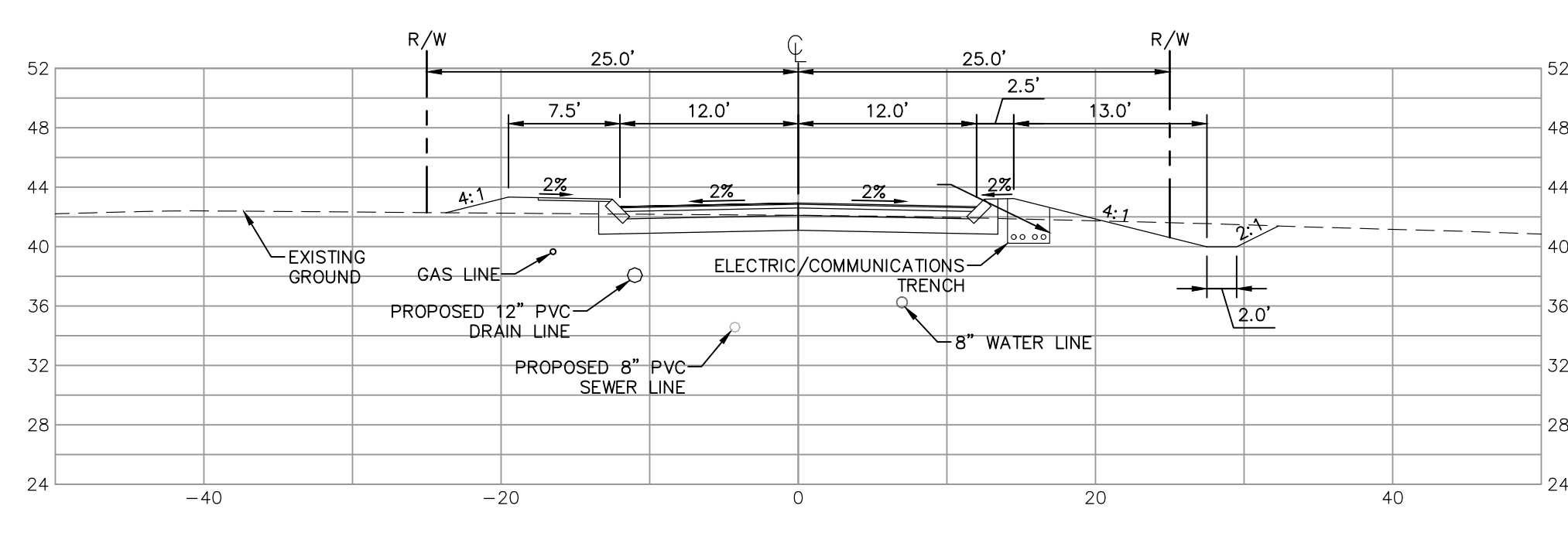
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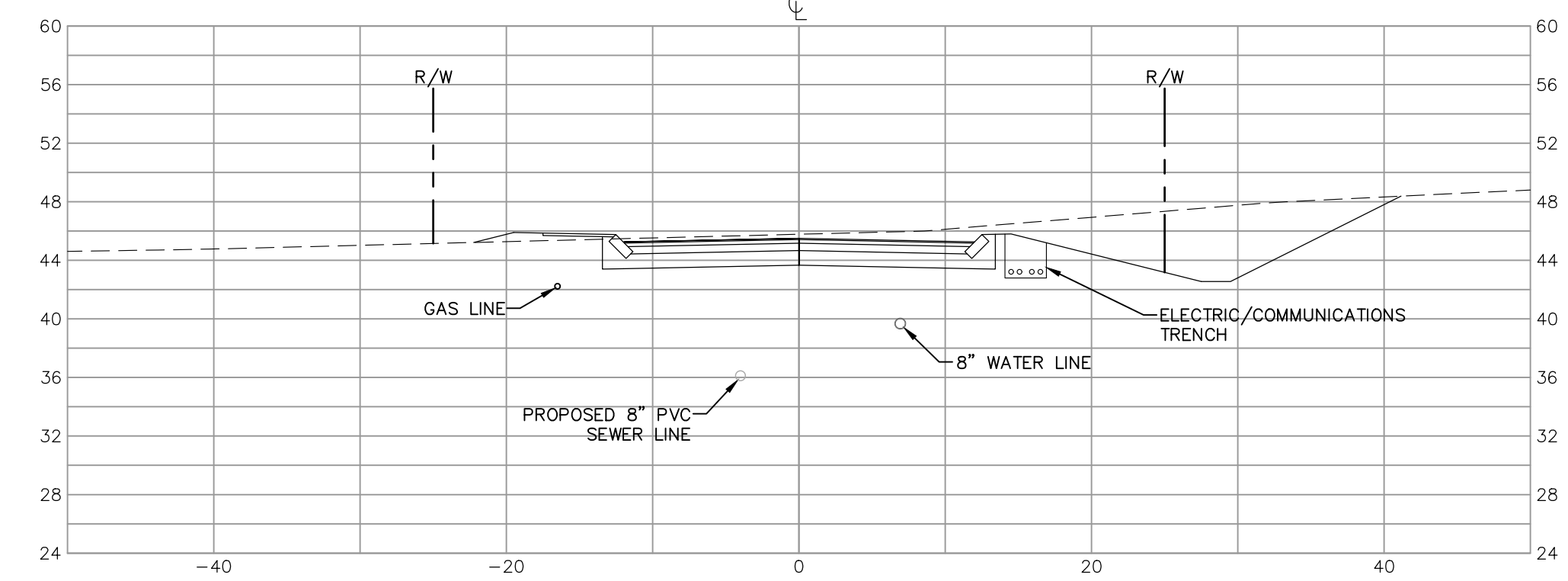
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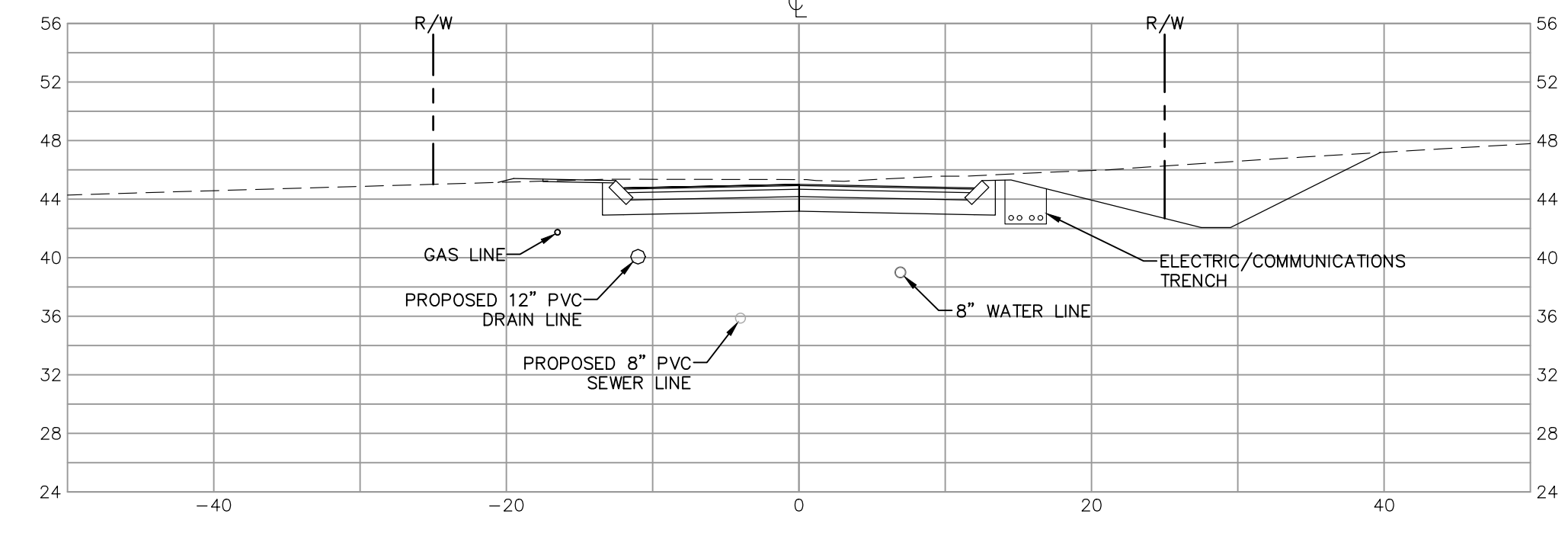
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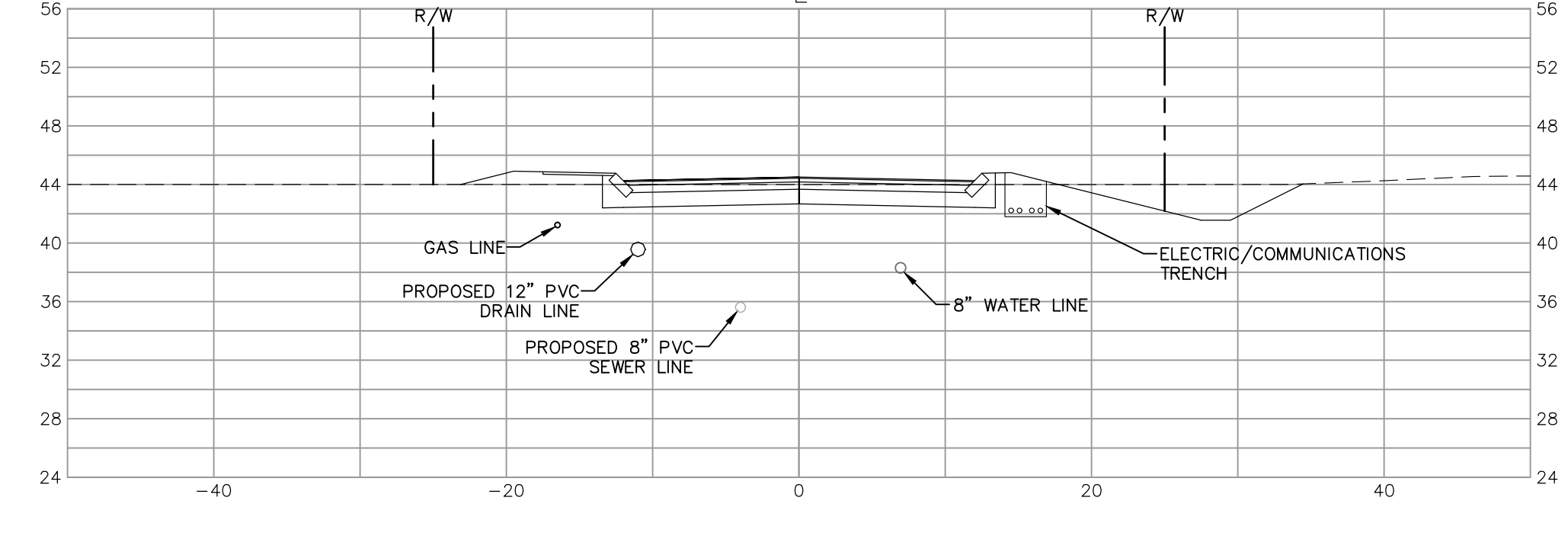
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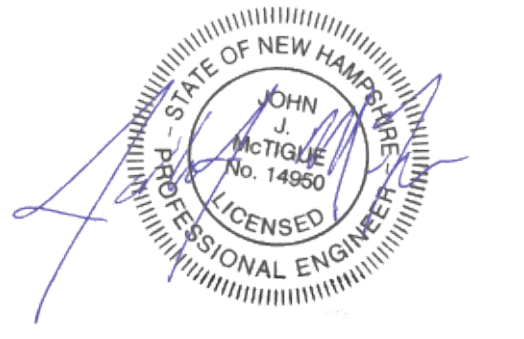
118+00



117+50



117+00



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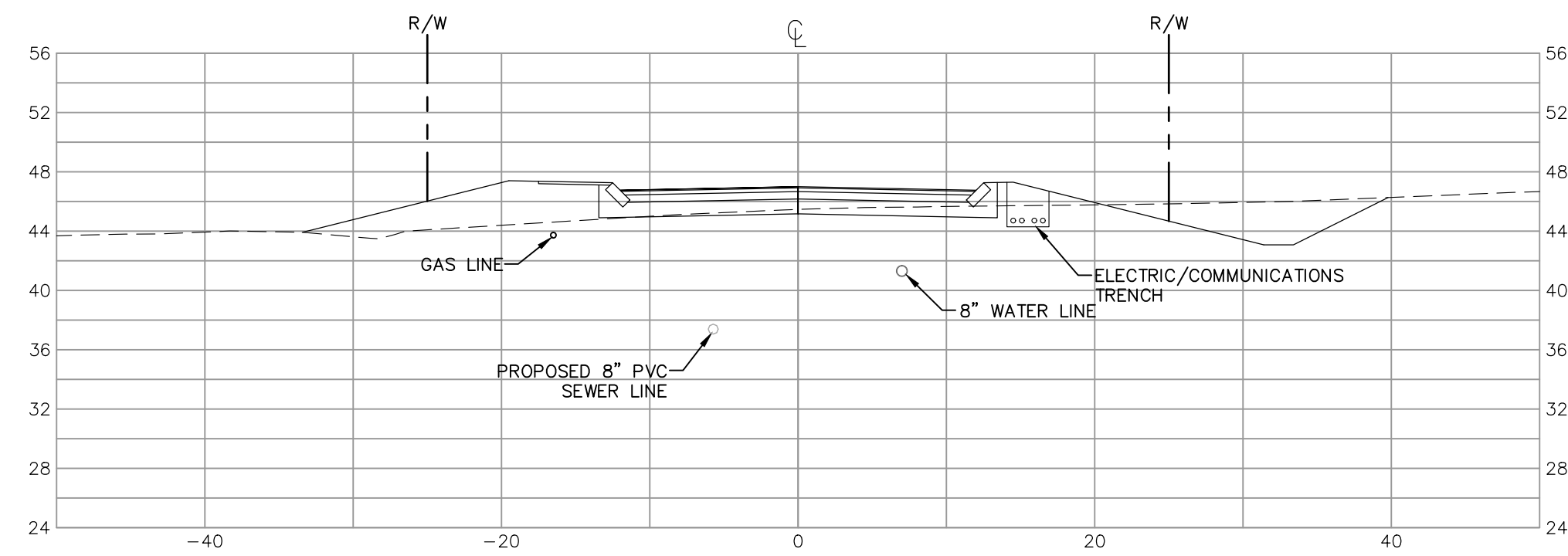
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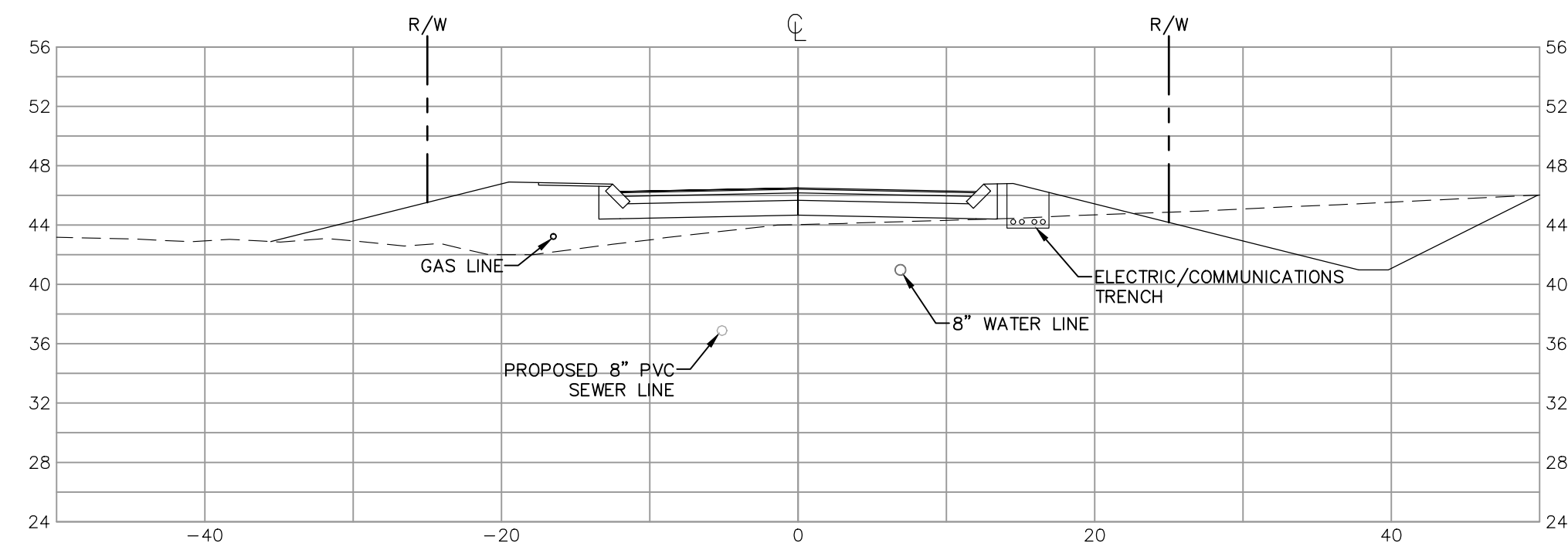


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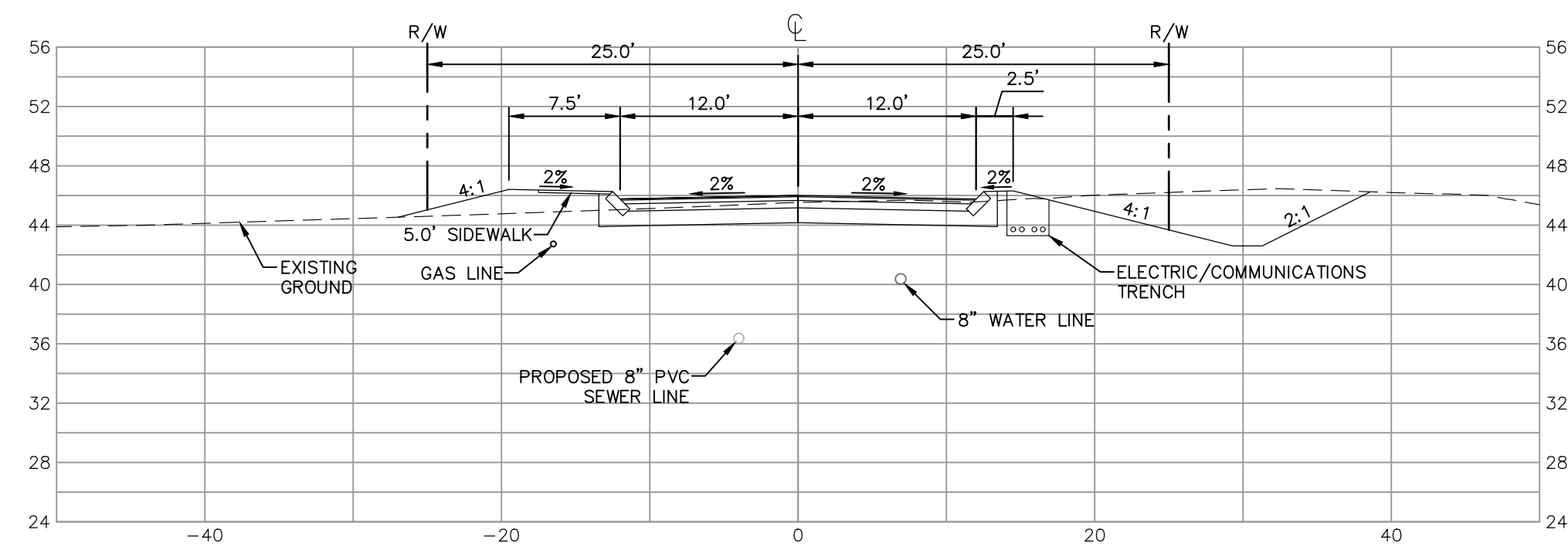
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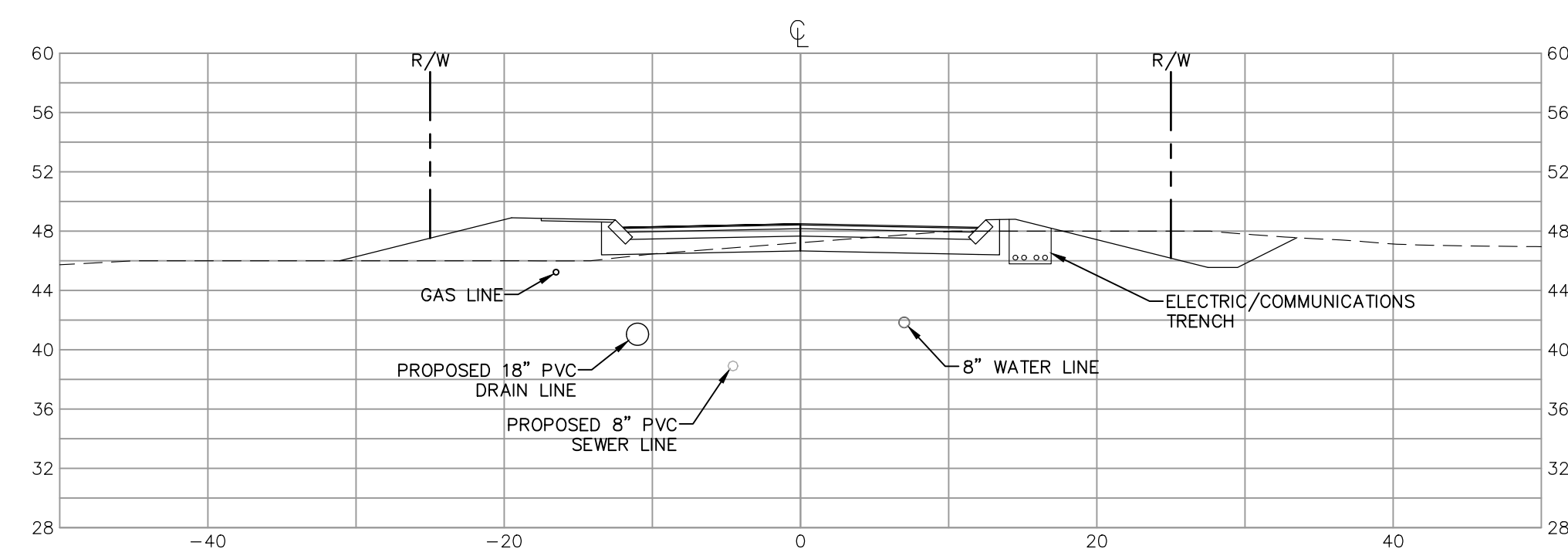
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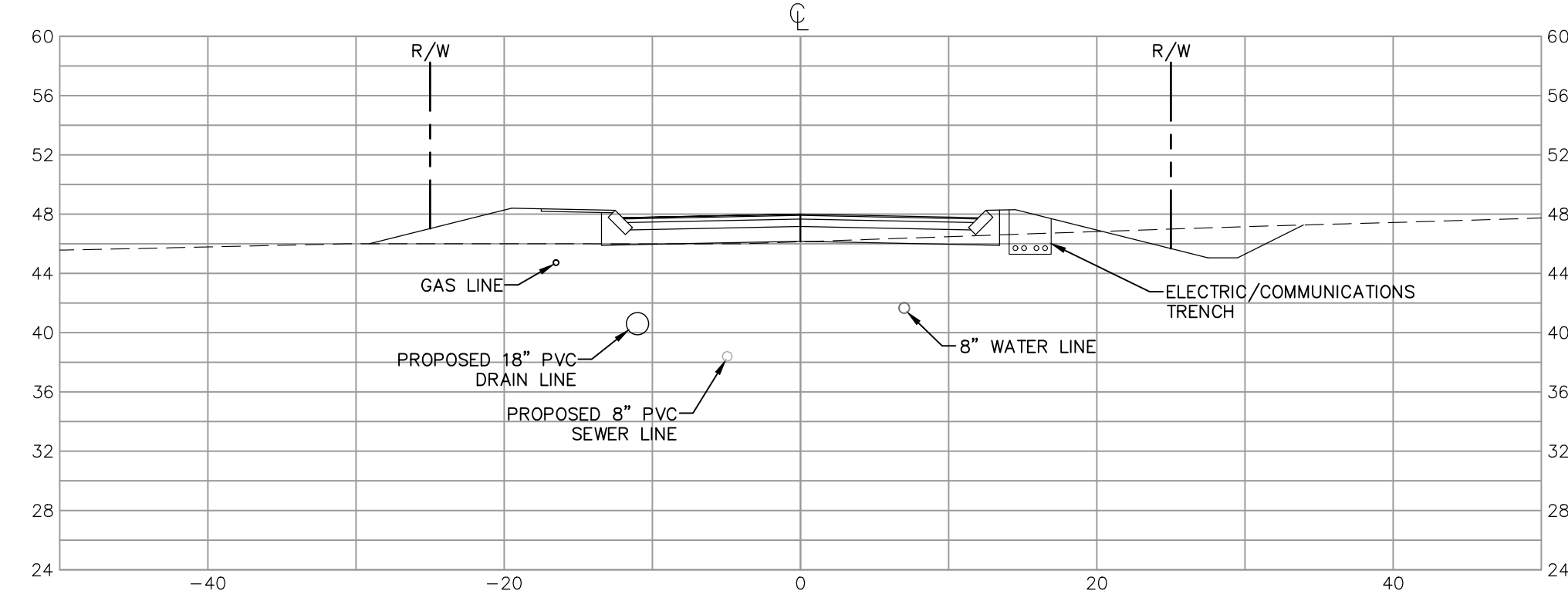
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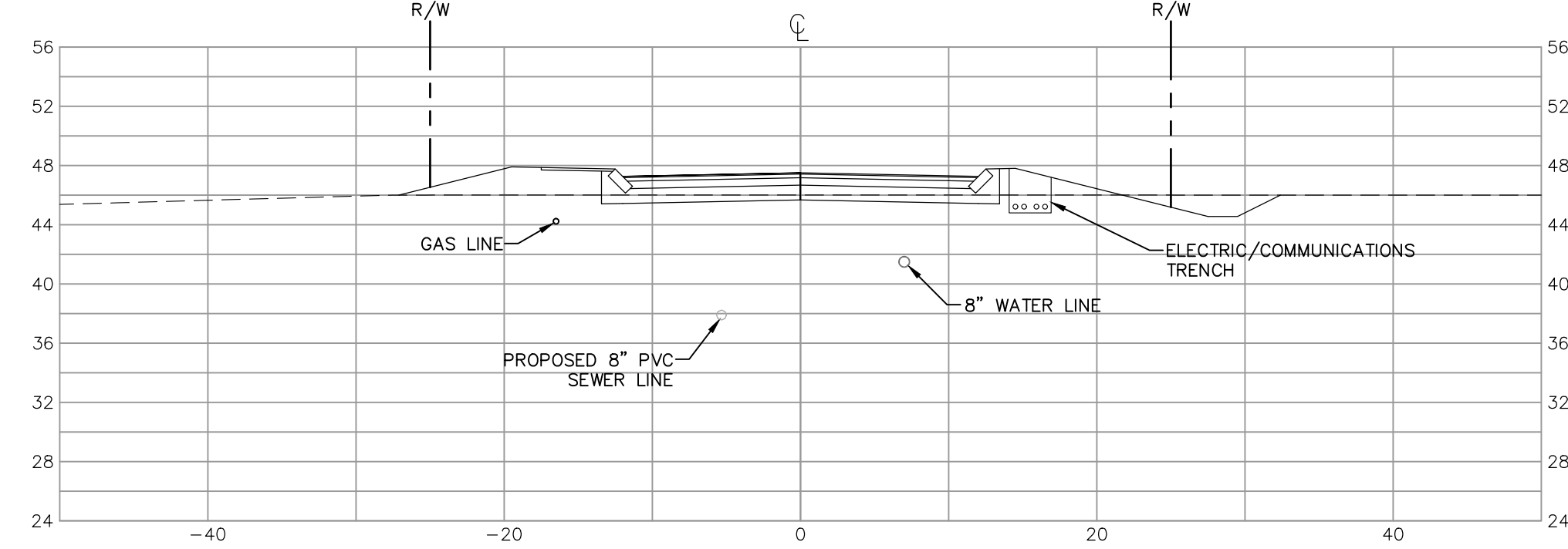
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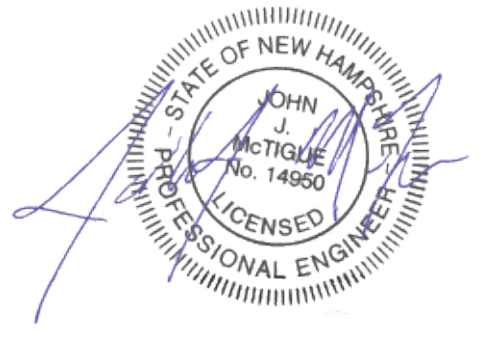
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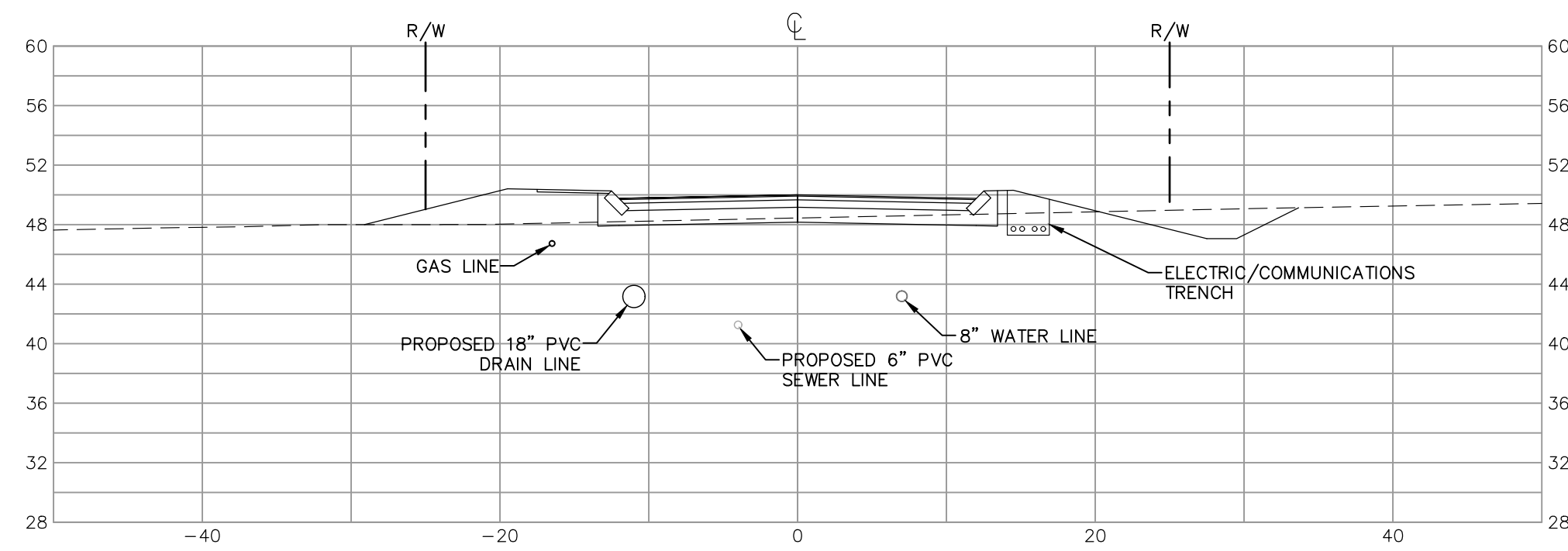


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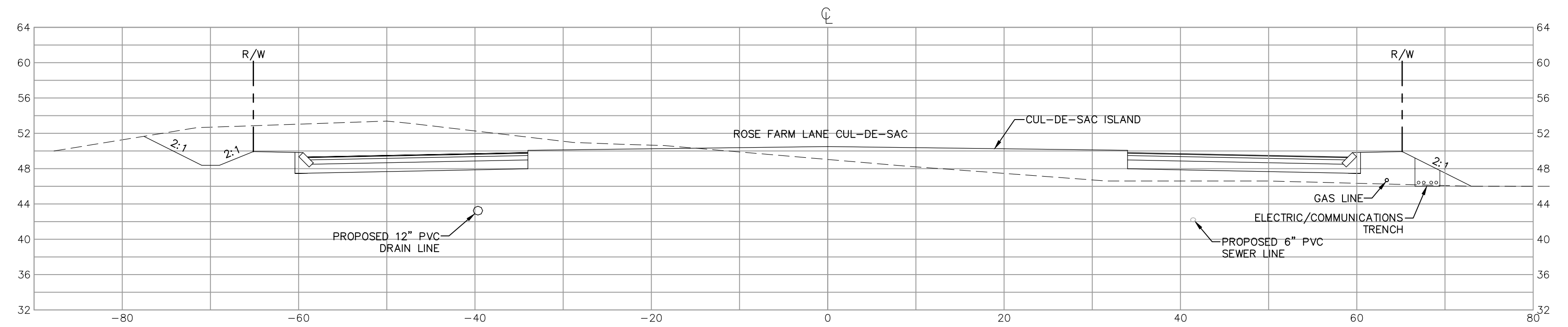
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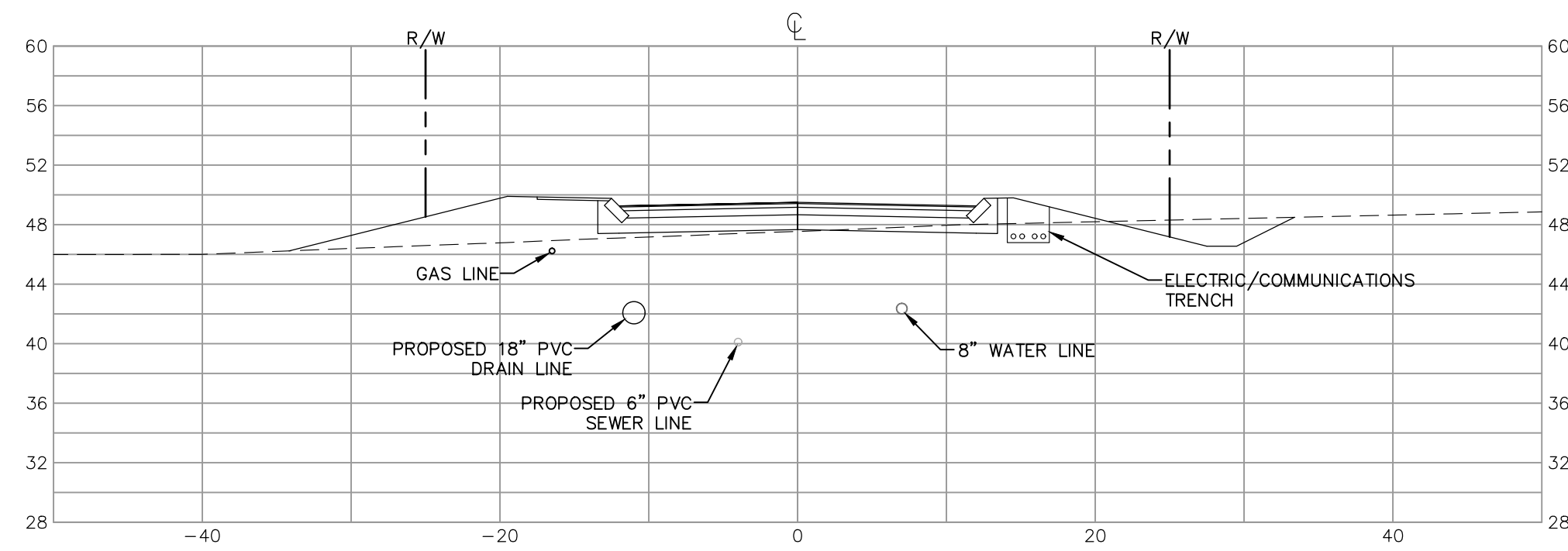
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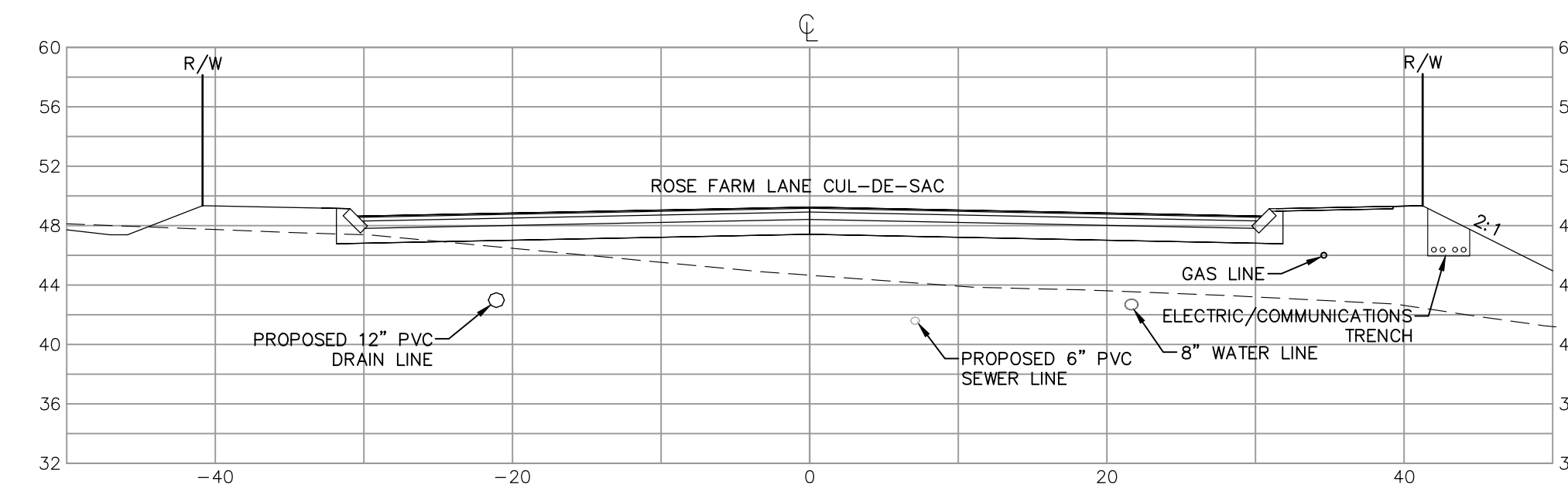
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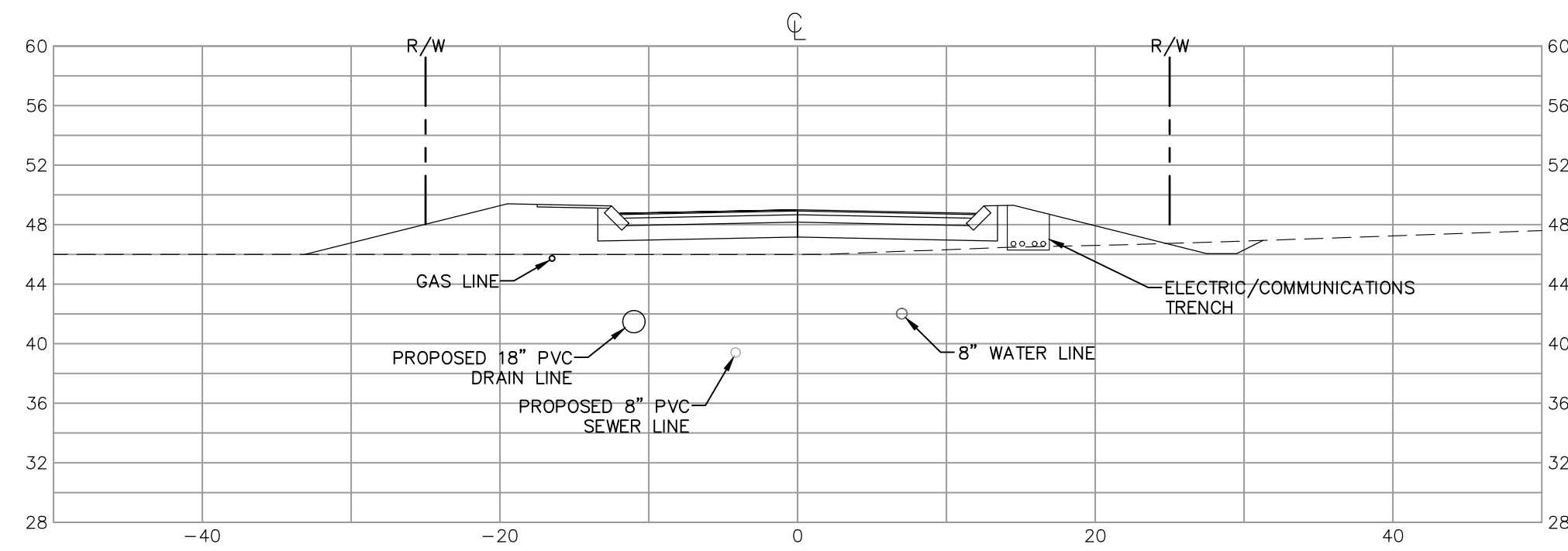
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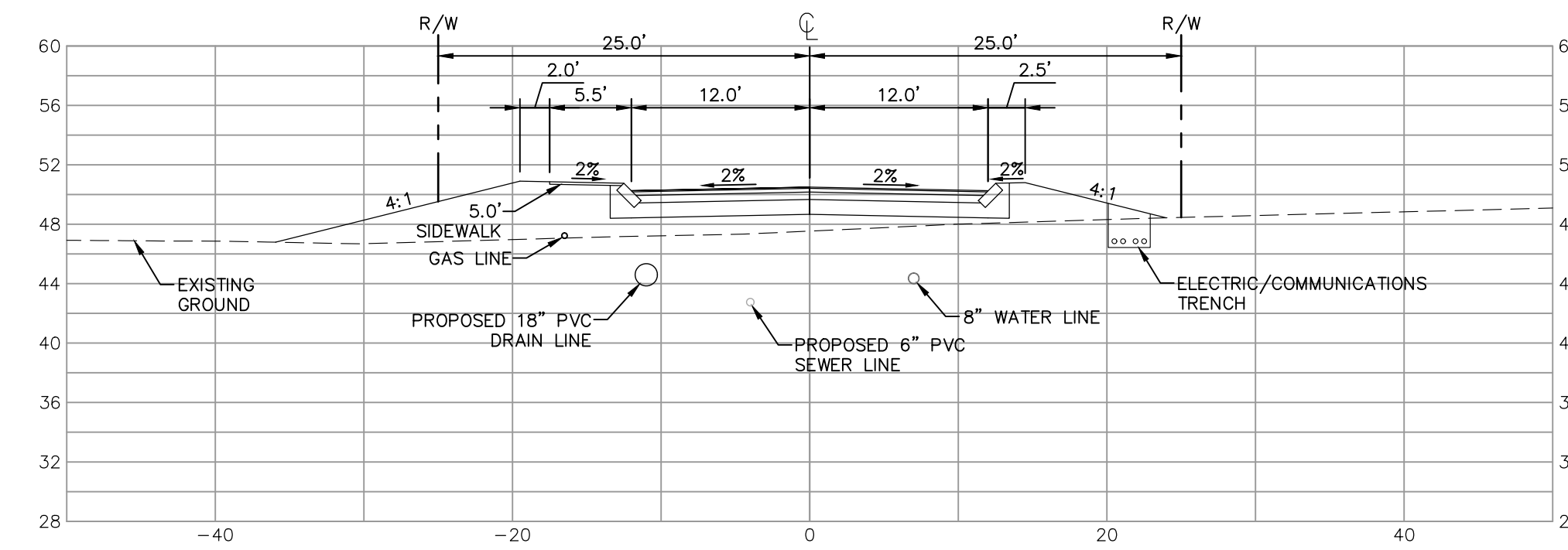
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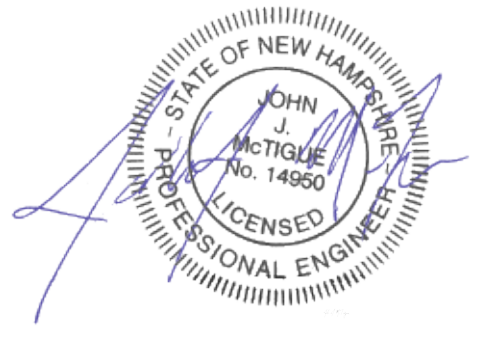
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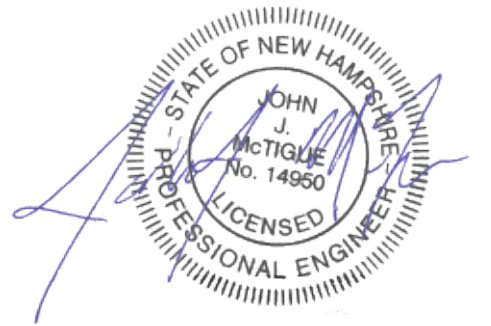
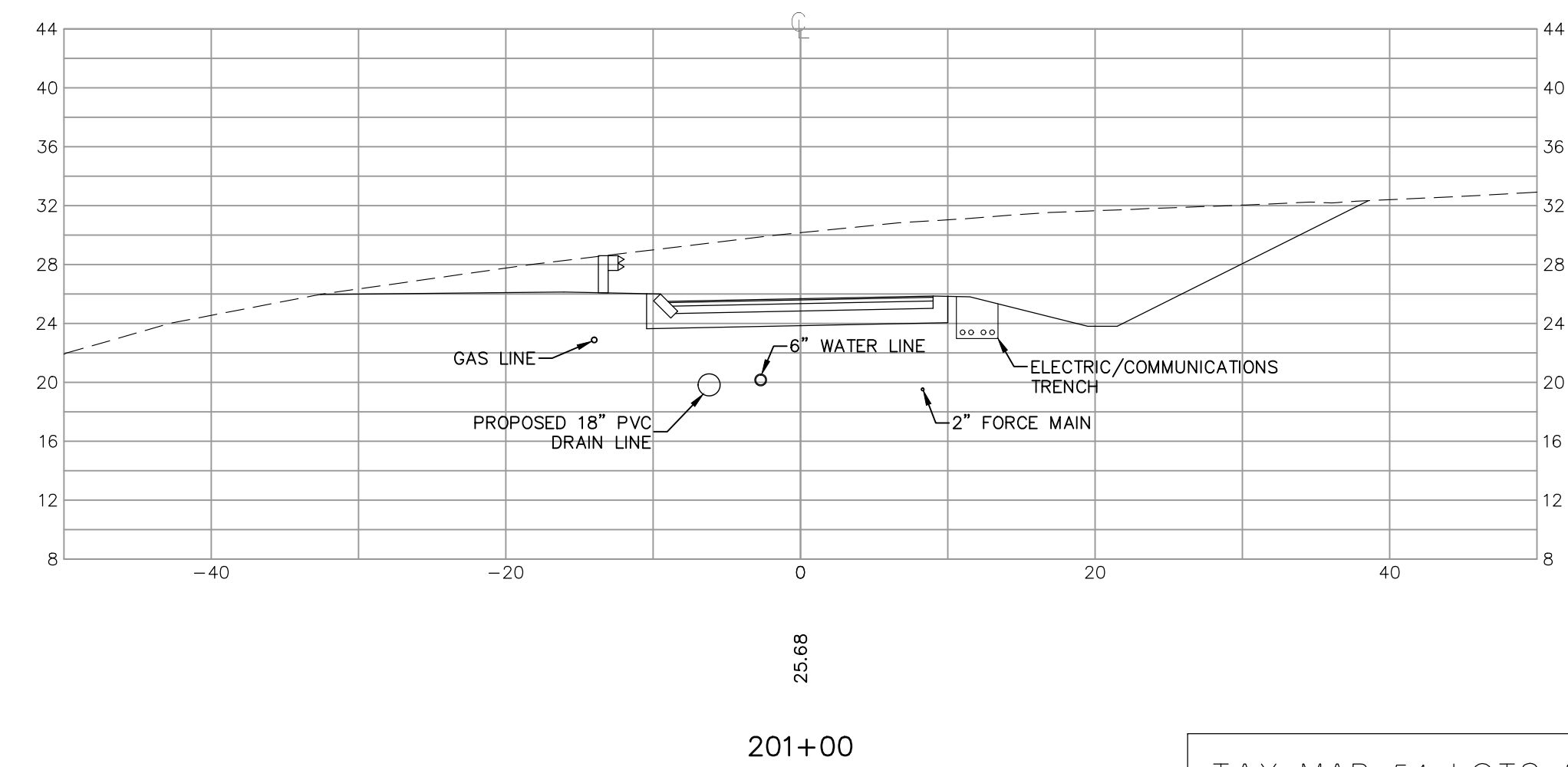
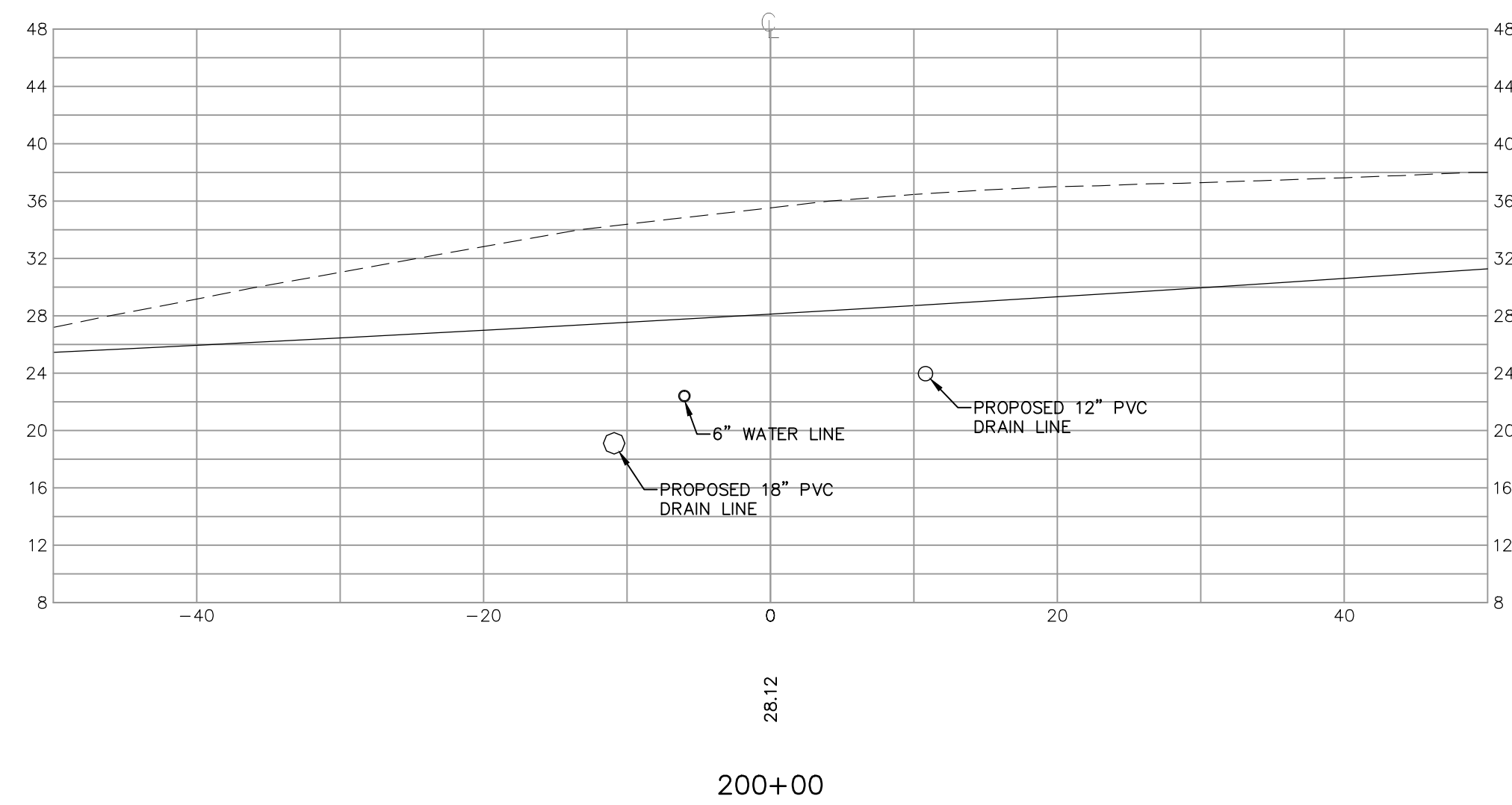
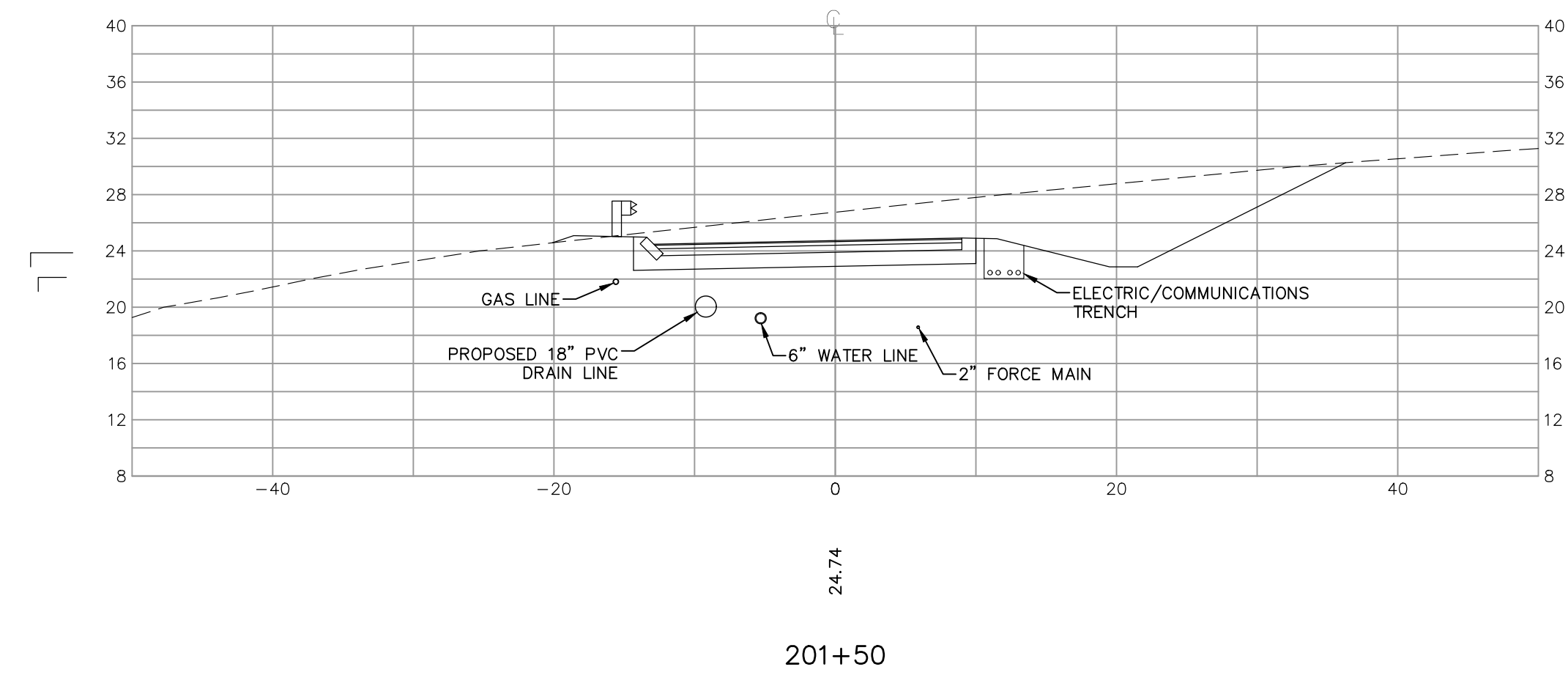
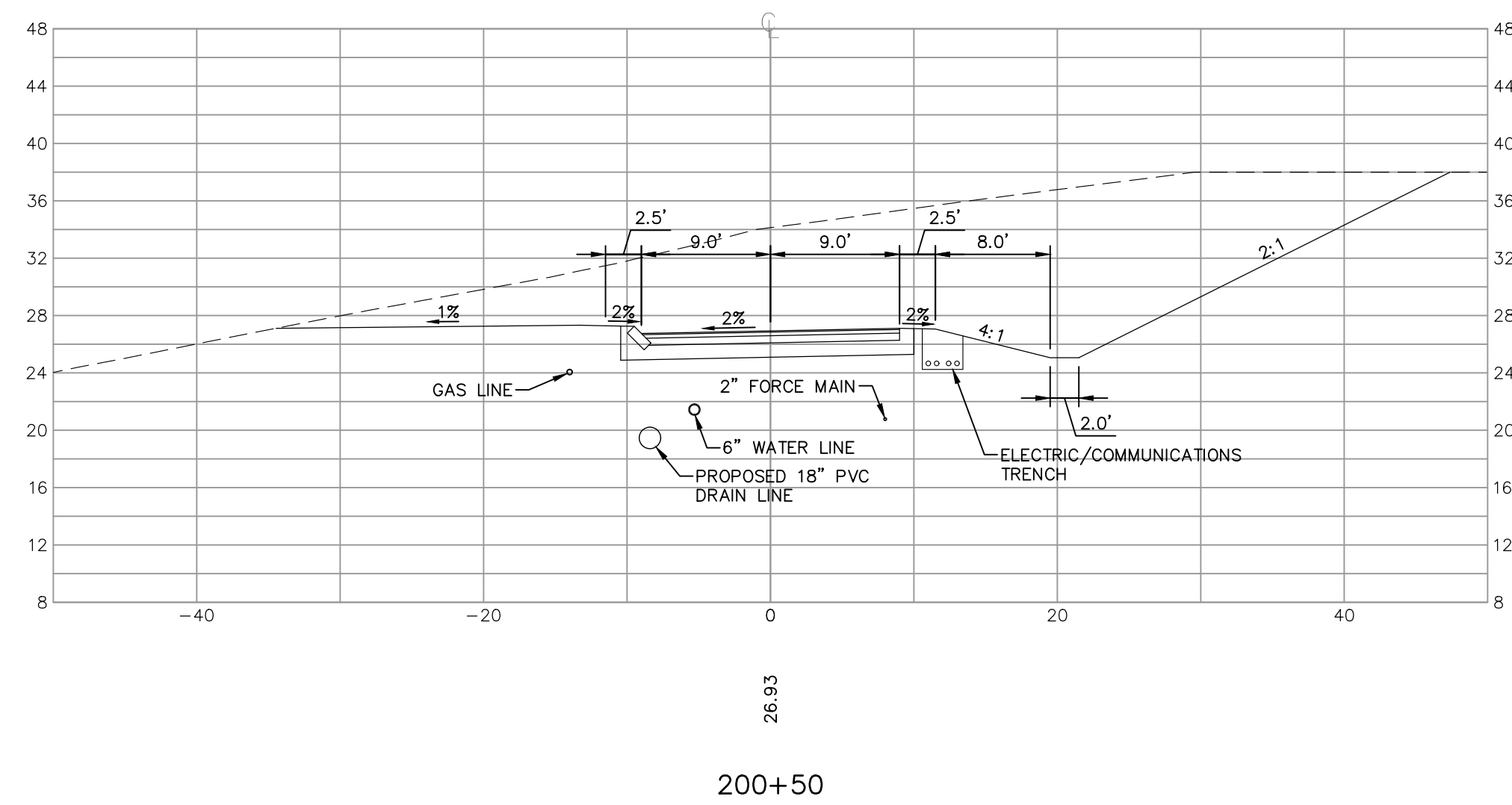
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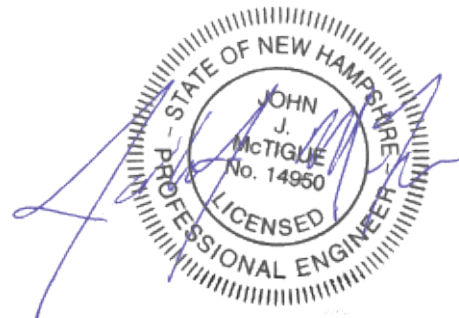
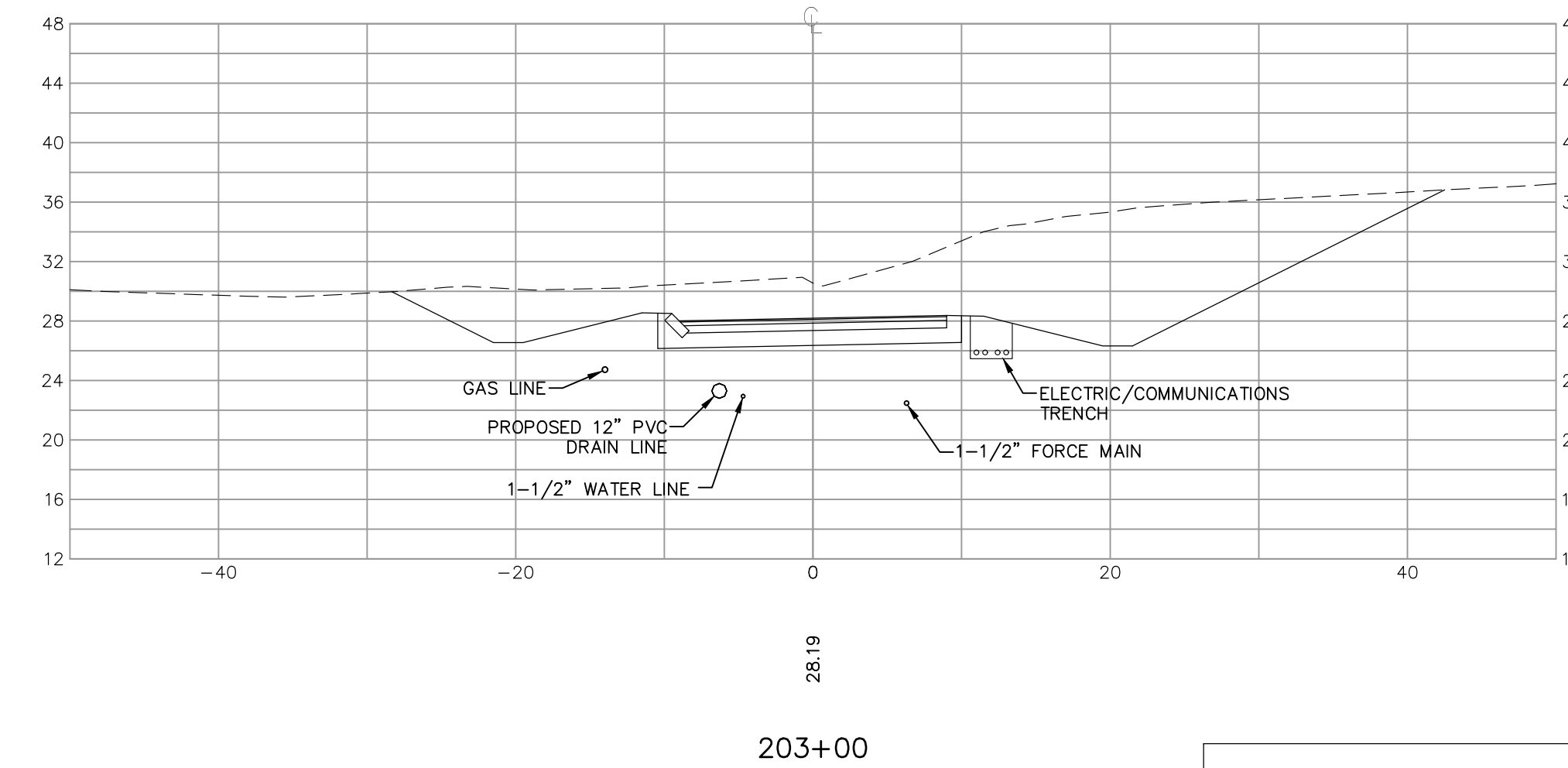
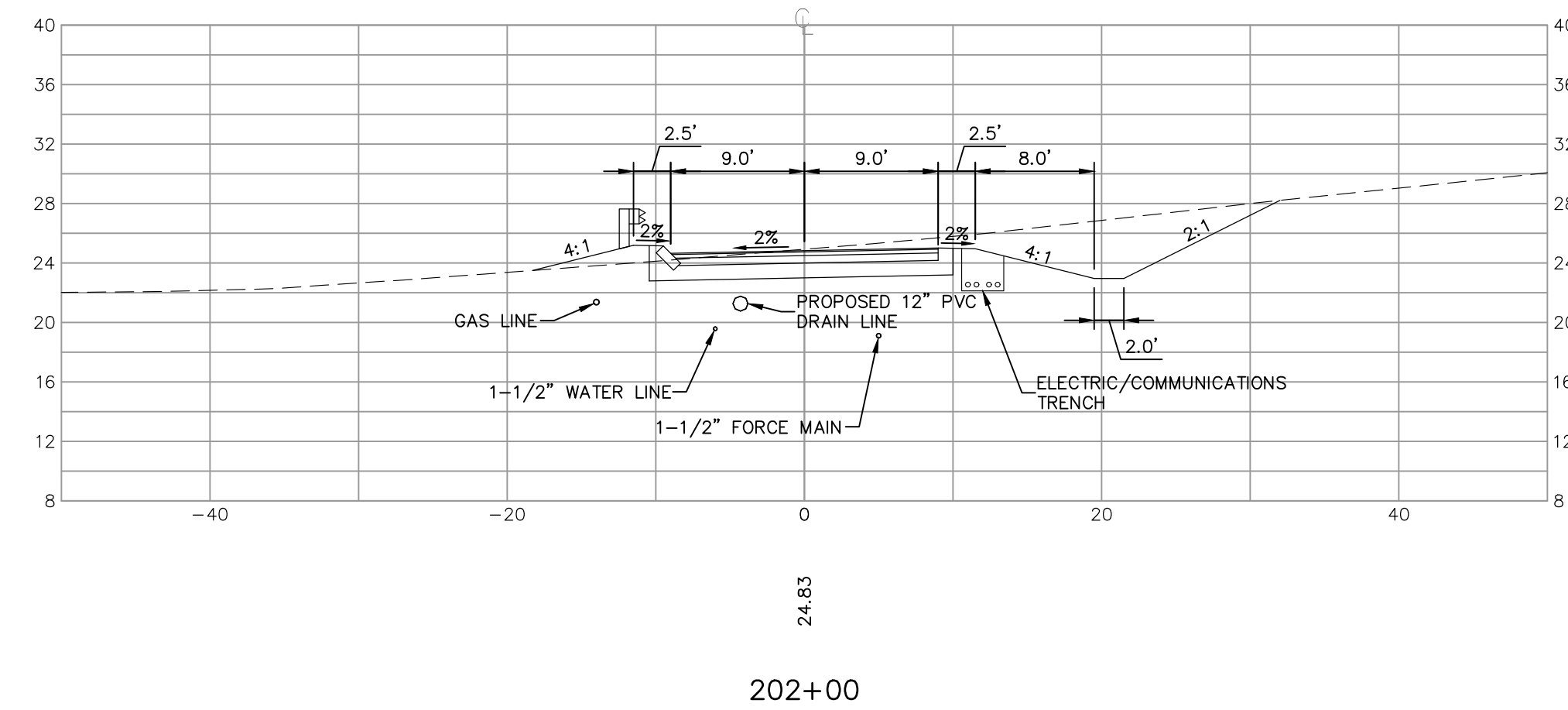
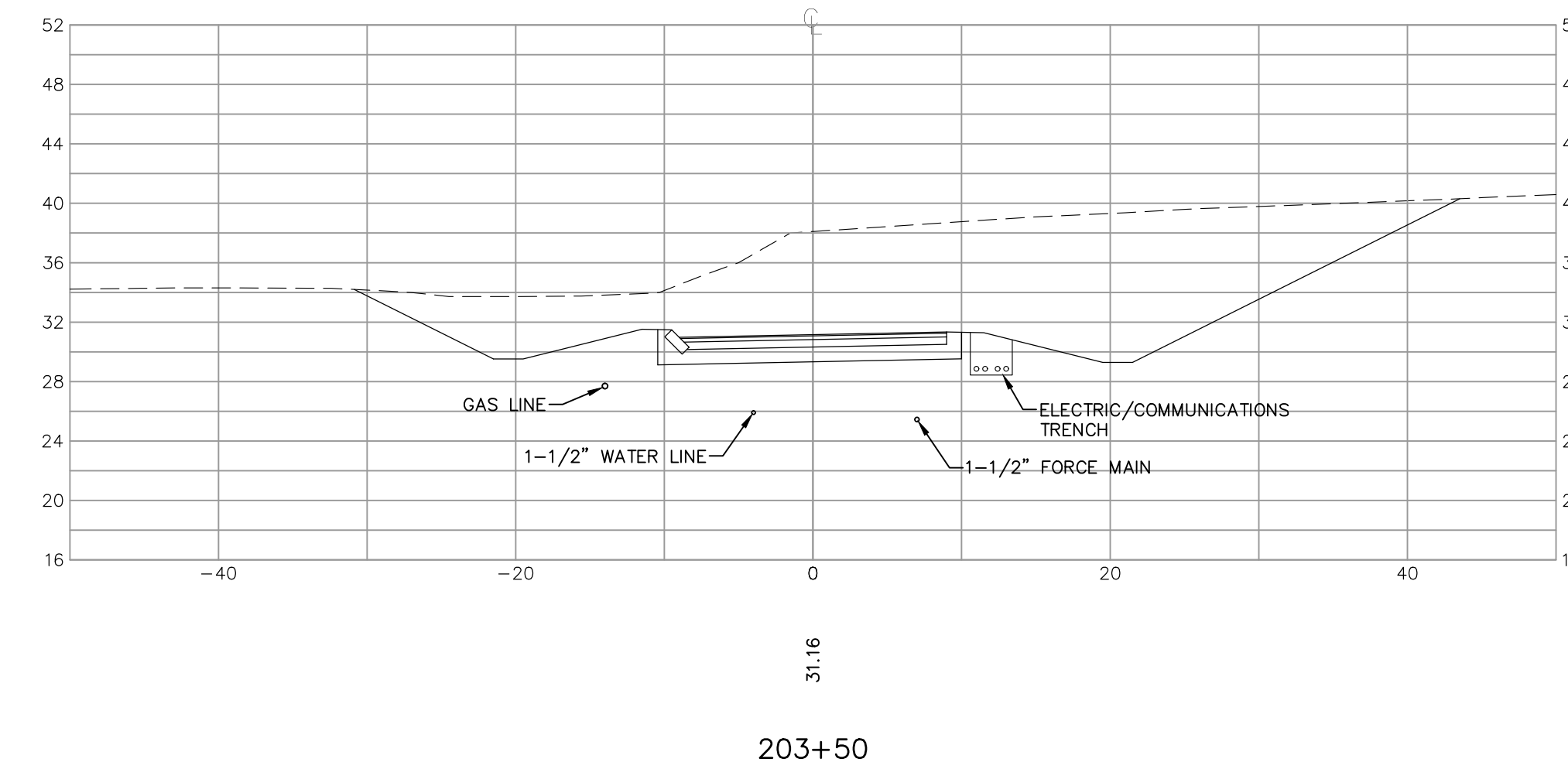
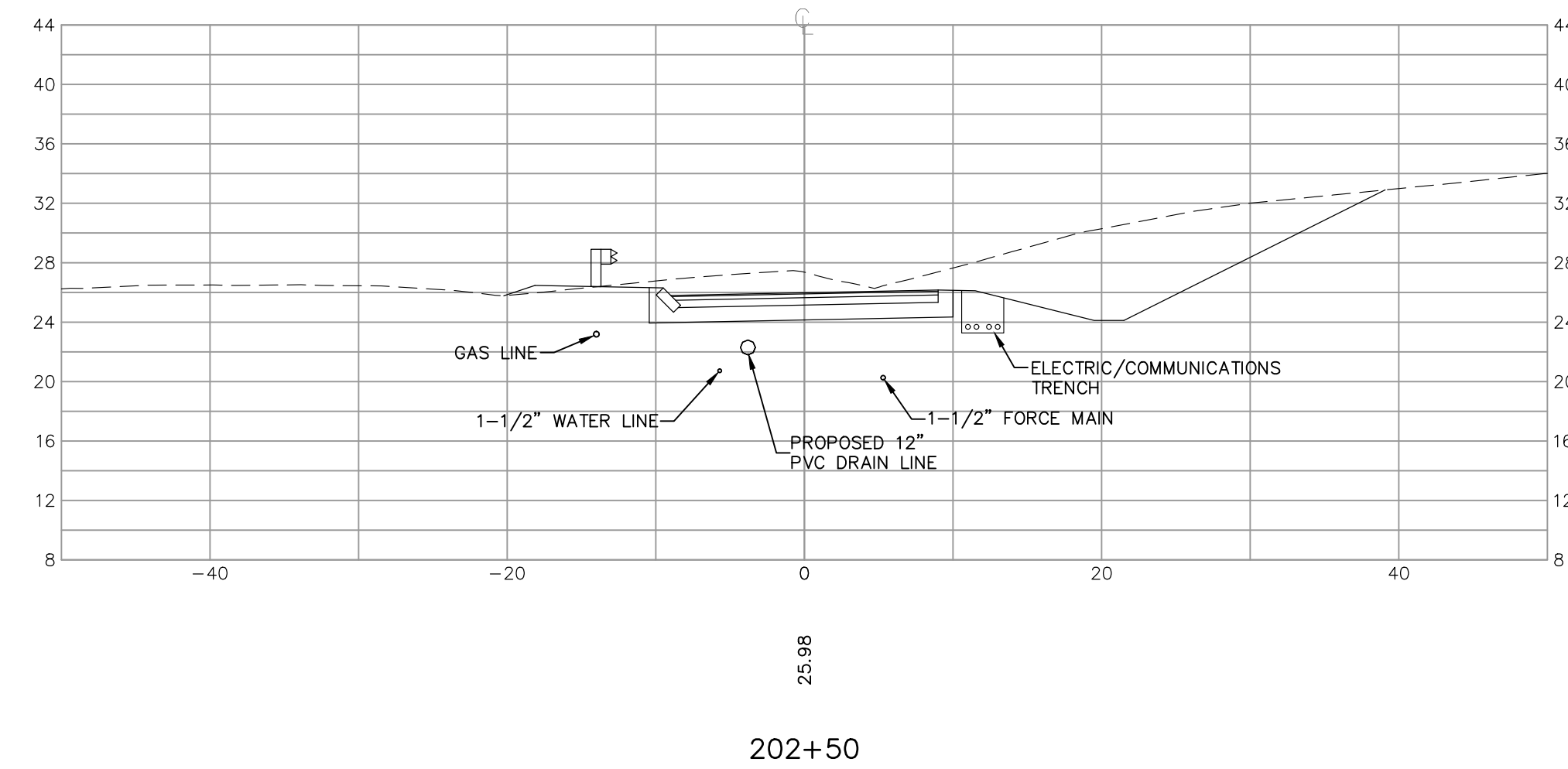
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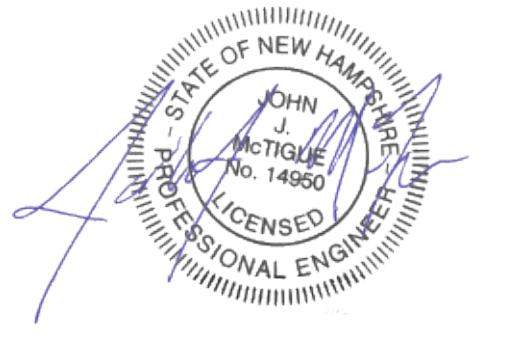
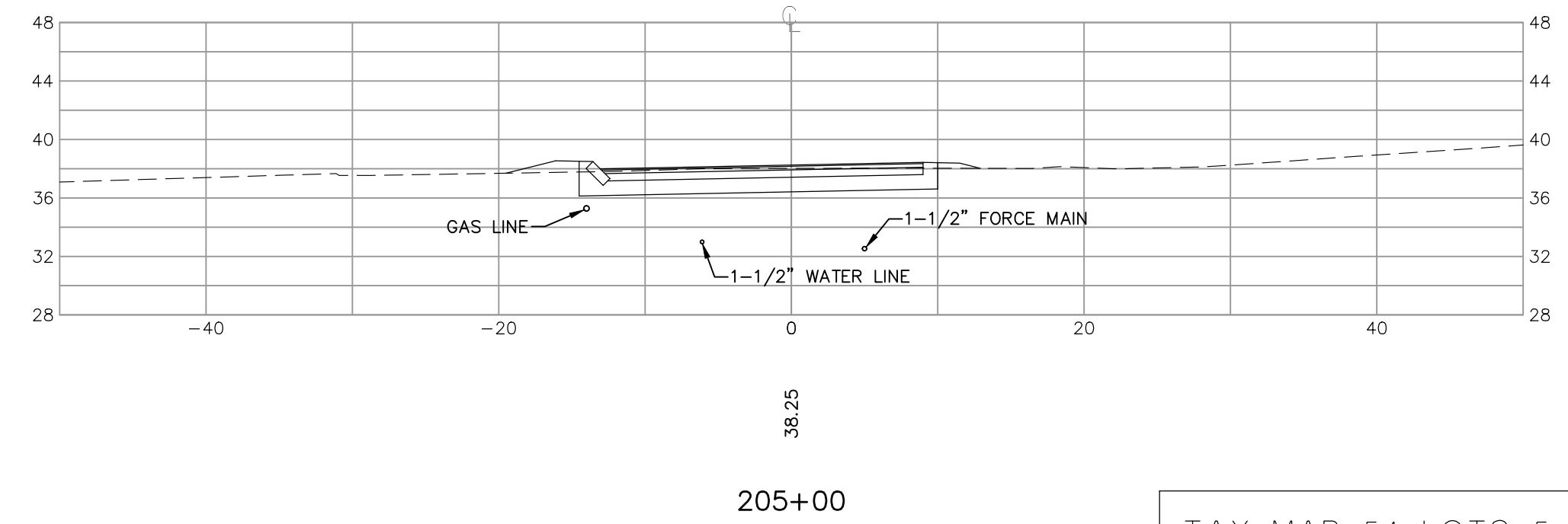
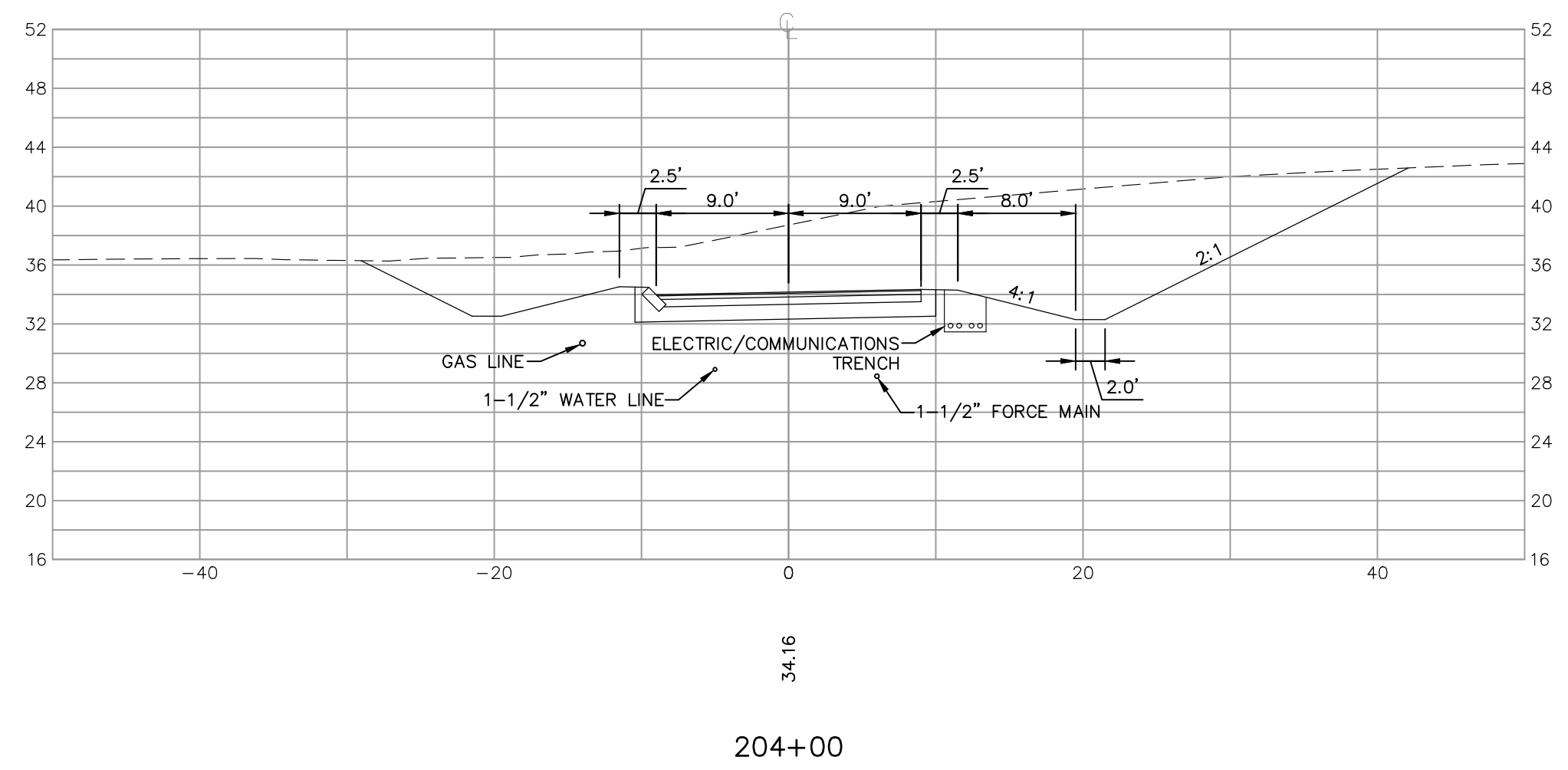
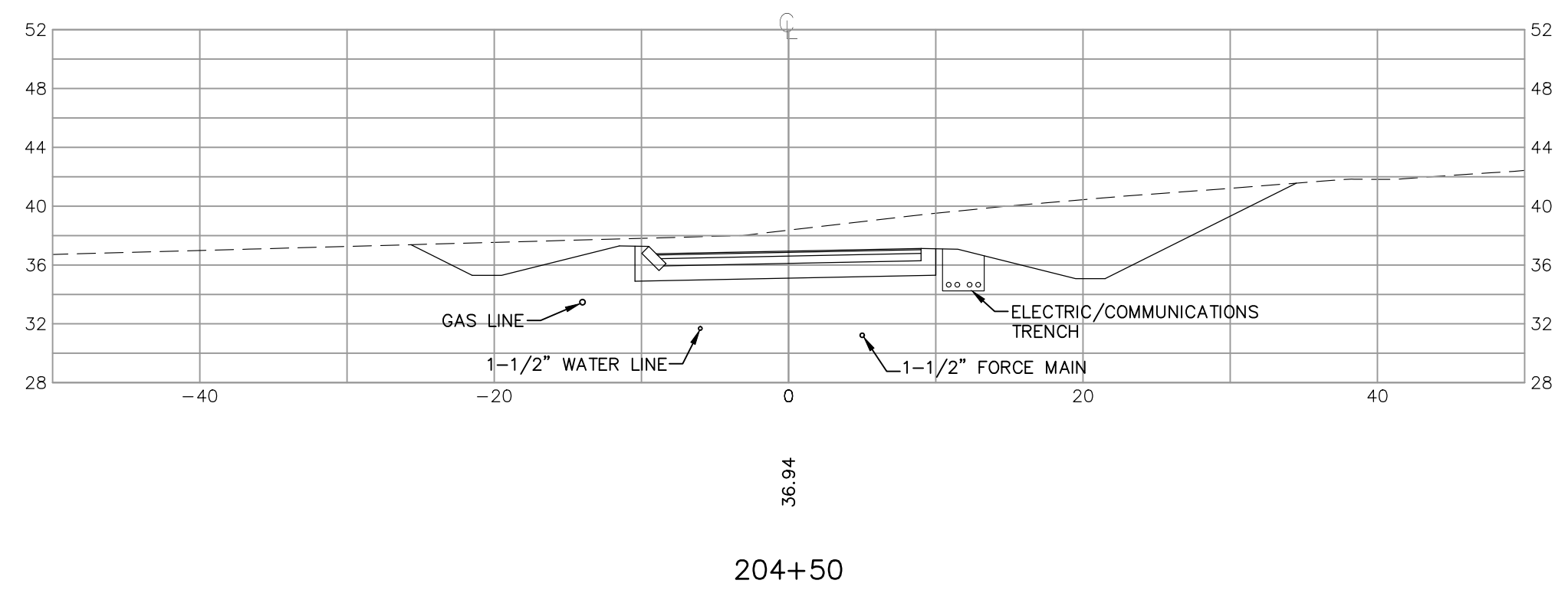


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SOIL CHARACTERISTICS

1. THE SOIL IN THE VICINITY OF THE SITE CONSIST OF BOXFORD SOIL SERIES, MODERATELY WELL TO SOMEWHAT WELL POOR DRAINED AND ELDRIDGE SOIL SERIES, MODERATELY WELL DRAINED SOIL. OTHER SOIL SERIES OBSERVED ON THE SITE INCLUDE SCITICO, FLUVAQUENT, WINDSOR, CHARLTON, UDORHTHENS WET SUBSTRATUM, DUMPS - BARK CHIPS AND ORGANIC MATERIAL, UDORHTHENS SMOOTHED AND ENDOAQUENTS LOAMY. THE MAJORITY OF THE SOIL IS HSG TYPE C.

DISTURBED AREA

1. THE TOTAL AREA TO BE DISTURBED IS APPROXIMATELY 320,000 SQUARE FEET, 7.3 ACRES. CONSTRUCTION SHALL BE PHASED TO LIMIT DISTURBED AREAS TO LESS THAN 5 ACRES.

2. CRITICAL NOTE: THIS DRAWING IS PROVIDED FOR GENERAL GUIDANCE. ALL SPECIAL EROSION CONTROL MEASURES MUST BE EXECUTED IN ACCORDANCE WITH CURRENT STATE AND LOCAL REGULATIONS, APPROVED SWPPP AND PERMIT REQUIREMENTS.

SEQUENCE OF MAJOR ACTIVITIES

- INSTALL STABILIZED CONSTRUCTION ENTRANCE AND TEMPORARY EROSION CONTROL MEASURES PER APPROVED SWPPP IF REQUIRED.
- DEMOLISH EXISTING SITE WORK DESIGNATED FOR REMOVAL.
- COMPLETE MAJOR GRADING OF SITE.
- CONSTRUCT ROAD BASE, STORMWATER SYSTEM, AND SITE UTILITIES.
- WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND SITE IS STABILIZED, REMOVE ALL INLET PROTECTION, SILT BARRIERS AND SEDIMENT TRAP THAT HAS BEEN TRAPPED BY THESE DEVICES.
- CONSULT APPROVED SWPPP FOR CONDITIONS RELATED TO NOTICE OF TERMINATION, IF REQUIRED.

EROSION AND SEDIMENT CONTROLS AND STABILIZATION PRACTICES

- STABILIZATION SHALL BE INITIATED ON ALL LOAM STOCKPILES AND DISTURBED AREAS WHERE CONSTRUCTION ACTIVITY WILL NOT OCCUR FOR MORE THAN TWENTY ONE (21) CALENDAR DAYS BY THE FOURTEENTH (14TH) DAY AFTER CONSTRUCTION ACTIVITY HAS PERMANENTLY OR TEMPORARILY CEASED IN THAT AREA. ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 45 DAYS OF INITIAL DISTURBANCE. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
 - BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;
 - A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;
 - A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIPRAP HAS BEEN INSTALLED; OR
 - EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
- DURING CONSTRUCTION, RUNOFF WILL BE DIVERTED AROUND THE SITE WITH EARTH DIKES, PIPING OR STABILIZED CHANNELS WHERE POSSIBLE. SHEET RUNOFF FROM THE SITE WILL BE FILTERED THROUGH SILT BARRIERS. ALL STORM DRAIN INLETS SHALL BE PROVIDED WITH BARRIER FILTERS. STONE RIPRAP SHALL BE PROVIDED AT THE OUTLETS OF DRAINAGE PIPES WHERE EROSION VELOCITIES ARE ENCOUNTERED.

OFF SITE VEHICLE TRACKING

STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED.

INSTALLATION, MAINTENANCE AND INSPECTION OF EROSION AND SEDIMENT CONTROLS

A. GENERAL

THESE ARE THE GENERAL INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO IMPLEMENT THE PLAN.

- STABILIZATION OF ALL SWALES, DITCHES AND PONDS IS REQUIRED PRIOR TO DIRECTING FLOW TO THEM.
- THE SMALLEST PRACTICAL PORTION OF THE SITE WILL BE DENUDED AT ONE TIME. (5 AC MAX)
- ALL CONTROL MEASURES WILL BE INSPECTED AT LEAST ONCE EACH WEEK AND FOLLOWING ANY STORM EVENT OF 0.10 INCHES OR GREATER.
- ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.
- BUILT UP SEDIMENT WILL BE REMOVED FROM SILT BARRIER WHEN IT HAS REACHED ONE THIRD THE HEIGHT OF THE BARRIER.
- ALL DIVERSION DIKES WILL BE INSPECTED AND ANY BREACHES PROMPTLY REPAIRED.
- TEMPORARY SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND UNHEALTHY GROWTH.
- A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION.
- THE CONTRACTOR'S SITE SUPERINTENDENT WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES, AND FILLING OUT THE INSPECTION AND MAINTENANCE REPORT.

A. B. FILTERS / BARRIERS

- SILT SOCKS
- KNOTTED MESH NETTING MATERIAL SHALL BE DELIVERED TO SITE IN A 5 MIL CONTINUOUS, TUBULAR, HDPE 3/8" MATERIAL, FILLED WITH COMPOST CONFORMING TO THE FOLLOWING REQUIREMENTS:

PHYSICAL PROPERTY	TEST	REQUIREMENTS
PH	IMECC 04.11-A	5.0 TO 8.0
PARTICLE SIZE	TMECC 02.02-B	2" SIEVE AND MIN. 60% GREATER THAN THE 3/8" SIEVE
MOISTURE CONTENT	STND TESTING	< 60%

MATERIAL SHALL BE RELATIVELY FREE OF INERT OR FOREIGN MAN-MADE MATERIALS

MATERIAL SHALL BE WEED FREE AND DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER, FREE FROM ANY REFUSE, CONTAMINANTS OR OTHER MATERIALS TOXIC TO PLANT GROWTH.

- SEDIMENT COLLECTED AT THE BASE OF THE SILT SOCK SHALL BE REMOVED ONCE IT HAS REACHED 1/3 OF THE EXPOSED HEIGHT OF THE SILT SOCK.
- SILT BARRIER SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREAS HAS BEEN PERMANENTLY STABILIZED.

2. SEQUENCE OF INSTALLATION

SEDIMENT BARRIERS SHALL BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OF THE CONTRIBUTING DRAINAGE AREA ABOVE THEM.

3. MAINTENANCE

- SILT BARRIERS SHALL BE INSPECTED WEEKLY AND IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. THEY SHALL BE REPAIRED IF THERE ARE ANY SIGNS OF EROSION OR SEDIMENTATION BELOW THEM. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. IF THERE ARE SIGNS OF UNDERCUTTING AT THE CENTER OR THE EDGES, OR IMPOUNDING OF LARGE VOLUMES OF WATER BEHIND THEM, SEDIMENT BARRIERS SHALL BE REPLACED WITH A TEMPORARY CHECK DAM.
- SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL IS NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
- SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE THIRD (1/3) THE HEIGHT OF THE BARRIER.
- ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFIRM WITH THE EXISTING GRADE, PREPARED AND SEEDED.

C. MULCHING

- TIMING
IN ORDER FOR MULCH TO BE EFFECTIVE, IT MUST BE IN PLACE PRIOR TO MAJOR STORM EVENTS. THERE ARE TWO (2) TYPES OF STANDARDS WHICH SHALL BE USED TO ASSURE THIS:
 - APPLY MULCH PRIOR TO ANY STORM EVENT.

THIS IS APPLICABLE WHEN WORKING WITHIN 100 FEET OF WETLANDS. IT WILL BE NECESSARY TO CLOSELY MONITOR WEATHER PREDICTIONS, USUALLY BY CONTACTING THE NATIONAL WEATHER SERVICE, TO HAVE ADEQUATE WARNING OF SIGNIFICANT STORMS.

- REQUIRED MULCHING WITHIN A SPECIFIED TIME PERIOD.

THE TIME PERIOD CAN RANGE FROM 14 TO 21 DAYS OF INACTIVITY ON AN AREA, WHERE THE LENGTH OF TIME VARIES WITH SITE CONDITIONS. PROFESSIONAL JUDGMENT SHALL BE USED TO EVALUATE THE INTERACTION OF SITE CONDITIONS (SOIL ERODIBILITY, SEASON OF YEAR, EXTENT OF DISTURBANCE, PROXIMITY TO SENSITIVE RESOURCES, ETC.) AND THE POTENTIAL IMPACT OF EROSION ON ADJACENT AREAS TO CHOOSE AN APPROPRIATE TIME RESTRICTION.

2. GUIDELINES FOR WINTER MULCH APPLICATION.

WHEN MULCH IS APPLIED TO PROVIDE PROTECTION OVER WINTER (PAST THE GROWING SEASON) IT SHALL BE AT A RATE OF 6,000 POUNDS OF HAY OR STRAW PER ACRE. A TACKIFIER MAY BE ADDED TO THE MULCH.

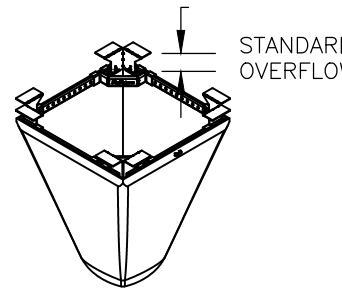
3. MAINTENANCE

ALL MULCHES MUST BE INSPECTED PERIODICALLY, IN PARTICULAR AFTER RAINSTORMS, TO CHECK FOR RILL EROSION. IF LESS THAN 90% OF THE SOIL SURFACE IS COVERED BY MULCH, ADDITIONAL MULCH SHALL BE IMMEDIATELY APPLIED.

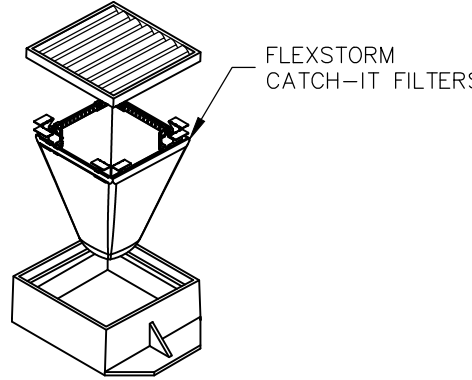
D. VEGETATIVE PRACTICE

- AFTER ROUGH GRADING OF THE SUBGRADE HAS BEEN COMPLETED AND APPROVED, THE SUB GRADE SURFACE SHALL BE SCARIFIED TO A DEPTH OF FOUR INCHES. THEN, FURNISH AND INSTALL A LAYER OF LOAM PROVIDING A ROLLED THICKNESS AS SPECIFIED IN THESE PLANS. ANY DEPRESSIONS WHICH MAY OCCUR DURING ROLLING SHALL BE FILLED WITH ADDITIONAL LOAM, REGRADED AND REROLLED UNTIL THE SURFACE IS TRUE TO THE FINISHED LINES AND GRADES. ALL LOAM NECESSARY TO COMPLETE THE WORK UNDER THIS SECTION SHALL BE SUPPLIED BY THE SITE SUBCONTRACTOR.
- ALL LARGE STIFF CLODS, LUMPS, BRUSH, ROOTS, DEBRIS, GLASS, STUMPS, LITTER AND OTHER FOREIGN MATERIAL, AS WELL AS STONES OVER ONE INCH IN DIAMETER, SHALL BE REMOVED FROM THE LOAM AND DISPOSED OF OFF SITE. THE LOAM SHALL BE RAKED SMOOTH AND EVEN.
- THE LOAM SHALL BE PREPARED TO RECEIVE SEED BY REMOVING STONES, FOREIGN OBJECTS AND GRADING TO ELIMINATE WATER POCKETS AND IRREGULARITIES PRIOR TO PLACING SEED. FINISH GRADING SHALL RESULT IN STRAIGHT UNIFORM GRADES AND SMOOTH, EVEN SURFACES WITHOUT IRREGULARITIES TO LOW POINTS.
- SHAPE THE AREAS TO THE LINES AND GRADES REQUIRED. THE SITE SUBCONTRACTOR'S ATTENTION IS DIRECTED TO THE SCHEDULING AND SEEDING OF GRADED AREAS TO PERMIT SUFFICIENT TIME FOR THE STABILIZATION OF THESE AREAS. IT SHALL BE THE SITE SUBCONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE AREAS DURING THE CONSTRUCTION PERIOD AND REGRADE, LOAM AND RESEED ANY DAMAGED AREAS.
- ALL AREAS DISTURBED BY CONSTRUCTION WITHIN THE PROPERTY LINES AND NOT COVERED BY STRUCTURES, PAVEMENT, OR MULCH SHALL BE LOAMED AND SEEDED.
- LIMESTONE SHALL BE THOROUGHLY INCORPORATED INTO THE LOAM LAYER AT A RATE OF 2 TONS PER ACRE IN ORDER TO PROVIDE A PH VALUE OF 5.5 TO 6.5.
- FERTILIZER SHALL BE SPREAD ON THE TOP LAYER OF LOAM AND WORKED INTO THE SURFACE. FERTILIZER APPLICATION RATE SHALL BE 500 POUNDS PER ACRE OF 10-20-20 FERTILIZER.
- SOIL CONDITIONERS AND FERTILIZER SHALL BE APPLIED AT THE RECOMMENDED RATES AND SHALL BE THOROUGHLY WORKED INTO THE LOAM. LOAM SHALL BE RAKED UNTIL THE SURFACE IS FINELY PULVERIZED, SMOOTH AND EVEN, AND THEN COMPACTED TO AN EVEN SURFACE CONFORMING TO THE REQUIRED LINES AND GRADES WITH APPROVED ROLLERS WEIGHING BETWEEN 4 1/2 POUNDS AND 5 1/2 POUNDS PER INCH OF WIDTH.
- SEED SHALL BE SOWN AT THE RATE SHOWN BELOW. SOWING SHALL BE DONE ON A CALM, DRY DAY, PREFERABLY BY MACHINE, BUT IF BY HAND, ONLY BY EXPERIENCED WORKMEN, IMMEDIATELY BEFORE SEEDING. THE SOIL SHALL BE LIGHTLY RAKED. ONE HALF THE SEED SHALL BE SOWN IN ONE DIRECTION AND THE OTHER HALF AT RIGHT ANGLES TO THE ORIGINAL DIRECTION. IT SHALL BE LIGHTLY RAKED INTO THE SOIL TO A DEPTH NOT OVER 1/4 INCH INCH AND ROLLED WITH A HAND ROLLER WEIGHING NOT OVER 100 POUNDS PER LINEAR FOOT OF WIDTH.
- HAY MULCH SHALL BE APPLIED IMMEDIATELY AFTER SEEDING AT A RATE OF 1.5 TO 2 TONS PER ACRE. MULCH THAT BLOWS OR WASHES AWAY SHALL BE REPLACED IMMEDIATELY AND ANCHORED USING APPROPRIATE TECHNIQUES FROM THE EROSION AND SEDIMENT CONTROL HANDBOOK.
- THE SURFACE SHALL BE WATERED AND KEPT MOIST WITH A FINE SPRAY AS REQUIRED, WITHOUT WASHING AWAY THE SOIL, UNTIL THE GRASS IS WELL ESTABLISHED. ANY AREAS WHICH ARE NOT SATISFACTORILY COVERED WITH GRASS SHALL BE RESEEDD, AND ALL NOXIOUS WEEDS REMOVED.
- THE SITE SUBCONTRACTOR SHALL PROTECT AND MAINTAIN THE SEEDD AREAS UNTIL ACCEPTED, INCLUDING CUTTING, AS SPECIFIED HEREIN AFTER UNDER MAINTENANCE AND PROTECTION.
- UNLESS OTHERWISE APPROVED, SEEDING SHALL BE DONE DURING THE APPROXIMATE PERIODS OF EARLY SPRING TO SEPTEMBER 30, WHEN SOIL CONDITIONS AND WEATHER ARE SUITABLE FOR SUCH WORK; IN NO CASE SHALL THE WEED CONTENT EXCEED 1 PERCENT BY WEIGHT. ALL SEED SHALL COMPLY WITH STATE AND FEDERAL SEED LAWS. FOR TEMPORARY PLANTINGS AFTER SEPTEMBER 30, TO EARLY SPRING AND FOR TEMPORARY PROTECTION OF DISTURBED AREAS:
 - FOLLOW ABOVE SLOPE, LOAM DEPTH AND GRADING REQUIREMENTS.
 - FERTILIZER SHALL BE SPREAD AND WORKED INTO THE SURFACE AT A RATE OF 300 POUNDS PER ACRE.

MULCHING AND SEEDING SHALL BE APPLIED AT THE FOLLOWING RATES:
 WINTER RYE (FALL SEEDING) 2.5 LBS/1,000 SF
 OATS (SPRING SEEDING) 2.0 LBS/1,000 SF
 MULCH 1.5 TONS/ACRE



TYPICAL RECTANGULAR INLET FILTER



ALL PRODUCTS MANUFACTURED BY INLET & PIPE PROTECTION, INC. A DIVISION OF ADS, INC. WWW.INLETFILTERS.COM (866) 287-8655 INFO@INLETFILTERS.COM

INLET PROTECTION
NOT TO SCALE

NOTES:

- INSTALL PER MANUFACTURER'S SPECIFICATIONS.
- INSPECTION SHOULD OCCUR FOLLOWING ANY RAIN EVENT > 1/2"
- EMPTY THE SEDIMENT BAG PER MANUFACTURER'S SPECIFICATIONS.
- REMOVED CAKED ON SILT FROM SEDIMENT BAG AND FLUSH WITH MEDIUM SPRAY WITH OPTIMAL FILTRATION.
- REPLACE BAG IF TORN OR PUNCTURED TO > 1/2" DIAMETER OR LOWER HALF OF BAG.

E. CATCH BASIN INLET PROTECTION

- INLET BASKET STRUCTURE
- INLET PROTECTION SHALL BE INSTALLED IMMEDIATELY PRIOR TO DISTURBING PAVEMENT AND SHALL REMAIN IN PLACE AND MAINTAINED UNTIL PAVEMENT BINDER COURSE IS COMPLETE.
- MOLD 6X6, 42 LB. WIRE SUPPORT AROUND INLET FRAME AND GRATE AND EXTEND 6" BEYOND SIDES. SECURE FILTER FABRIC TO WIRE SUPPORT.
- THE FILTER FABRIC SHALL BE A GEOTEXTILE FABRIC; POLYESTER, POLYPROPYLENE, STABILIZED NYLON, POLYETHYLENE OR POLYVINYLIDENE CHLORIDE MEETING THE FOLLOWING SPECIFICATIONS:
 GRAB STRENGTH: 45 LB. MINIMUM IN ANY PRINCIPAL DIRECTION (ASTM D1682)
 MULLEN BURST STRENGTH: MIN. 60PSI (ASTM D774)
- THE FABRIC SHALL HAVE AN OPENING NO GREATER THAN A NUMBER 20 U.S. STANDARD SIEVE AND A MINIMUM PERMEABILITY OF 120 GPM.
- THE INLET PROTECTION SHALL BE INSPECTED WITHIN 24 HOURS AFTER EACH RAINFALL OR DAILY DURING EXTENDED PERIODS OF PRECIPITATION. REPAIRS SHALL BE MADE IMMEDIATELY, AS NECESSARY, TO PREVENT PARTICLES FROM REACHING THE DRAINAGE SYSTEM AND/OR CAUSING SURFACE FLOODING.
- SEDIMENT DEPOSITS SHALL BE REMOVED AFTER EACH STORM EVENT, OR MORE OFTEN IF THE FABRIC BECOMES CLOGGED.

F. WINTER CONSTRUCTION SEQUENCE

- ALL PROPOSED POST-DEVELOPMENT LANDSCAPED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1 AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE. THE PLACEMENT OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND.
- ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.
- AFTER NOVEMBER 15TH, ALL TRAVEL SURFACES SHALL BE PROTECTED WITH A MINIMUM OF 3-INCHES OF CRUSHED GRAVEL PER NHDOT ITEM 304.3, OR IF CONSTRUCTION IS TO CONTINUE THROUGH THE WINTER SEASON BE CLEARED OF ANY ACCUMULATED SNOWFALL AFTER EACH STORM EVENT.

TIMING OF CONTROLS/MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, SILT BARRIERS SHALL BE INSTALLED PRIOR TO COMMENCING ANY CLEARING OR GRADING OF THE SITE. STRUCTURAL CONTROLS SHALL BE INSTALLED CONCURRENTLY WITH THE APPLICABLE ACTIVITY AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN TWENTY ONE (21) DAYS WILL BE STABILIZED WITH A TEMPORARY SEED AND MULCH WITHIN FOURTEEN (14) DAYS OF THE LAST DISTURBANCE. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, SILT BARRIERS AND ANY EARTH/DIKES WILL BE REMOVED ONCE PERMANENT MEASURES ARE ESTABLISHED.

WASTE DISPOSAL

- WASTE MATERIALS
ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN SECURELY LIDDED RECEPTACLES. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN A DUMPSTER. NO CONSTRUCTION WASTE MATERIALS WILL BE BURIED ON SITE. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL BY THE SUPERINTENDENT.
- HAZARDOUS WASTE
ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES BY THE SUPERINTENDENT.
- SANITARY WASTE
ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONCE PER WEEK BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR.

SPILL PREVENTION

- MATERIAL MANAGEMENT PRACTICES
THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES DURING CONSTRUCTION TO STORMWATER RUNOFF:
 GOOD HOUSEKEEPING: THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ON SITE DURING THE CONSTRUCTION PROJECT:
 - AN EFFORT WILL BE MADE TO STORE ONLY SUFFICIENT AMOUNTS OF PRODUCTS TO DO THE JOB.
 - ALL MATERIALS STORED ON SITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR PROPER (ORIGINAL IF POSSIBLE) CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
 - MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
 - THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS.
 - SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
 - WHENEVER POSSIBLE ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.

- HAZARDOUS PRODUCTS: THE FOLLOWING PRACTICES WILL BE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS:
 - PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.
 - ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED FOR IMPORTANT PRODUCT INFORMATION.
 - SURPLUS PRODUCT THAT MUST BE DISPOSED OF WILL BE DISCARDED ACCORDING TO THE MANUFACTURER'S RECOMMENDED METHODS OF DISPOSAL.
- PRODUCT SPECIFICATION PRACTICES
THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ON SITE:

HAZARDOUS PRODUCTS: ALL ON SITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT BASED SUBSTANCES USED ON SITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

FERTILIZERS: FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS DIRECTED BY THE SPECIFICATIONS. ONCE APPLIED FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORMWATER. STORAGE WILL BE IN A COVERED SHED OR ENCLOSED TRAILERS. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

PAINTS: ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE DISPOSED OF PROPERLY ACCORDING TO MANUFACTURER'S INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

CONCRETE TRUCKS: CONCRETE TRUCKS WILL DISCHARGE AND WASH OUT SURPLUS CONCRETE OR DRUM WASH WATER IN A CONTAINED AREA DESIGNATED ON SITE.

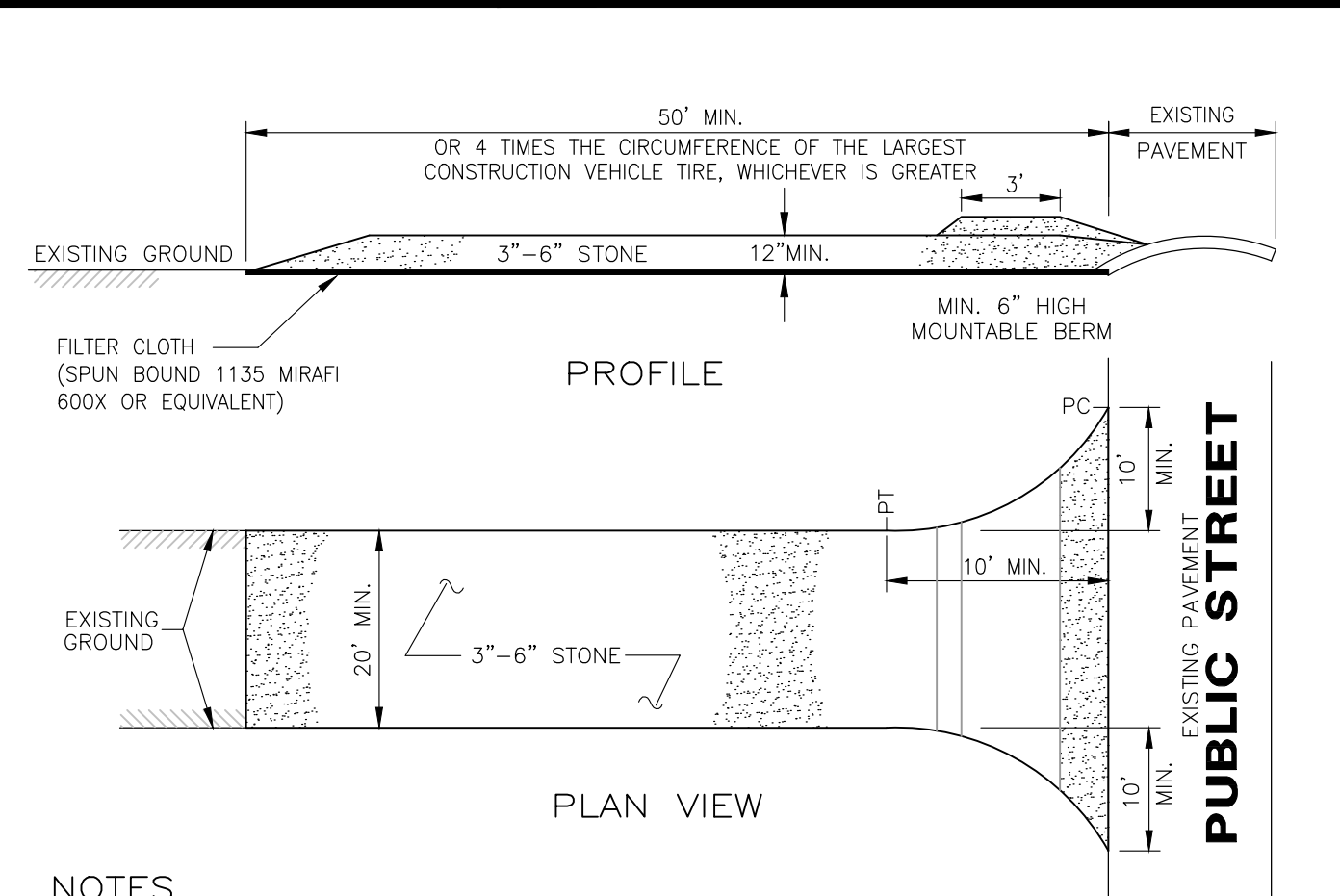
SPILL CONTROL PRACTICES

IN ADDITION TO GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTION THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

- MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
- MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ON SITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST AND PLASTIC OR METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.
- ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
- THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
- SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE.
- THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM RECURRING AND HOW TO CLEANUP THE SPILL IF IT RECURS. A DESCRIPTION OF THE SPILL, ITS CAUSE, AND THE CLEANUP MEASURES WILL BE INCLUDED.
- THE SITE SUPERINTENDENT RESPONSIBLE FOR DAY-TO-DAY SITE OPERATIONS WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR.

DUST CONTROL

- THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL DUST THROUGHOUT THE CONSTRUCTION PERIOD. DUST CONTROL METHODS SHALL INCLUDE, BUT NOT LIMITED TO SPRINKLING WATER ON EXPOSED AREAS, COVERING LOADED DUMP TRUCKS LEAVING THE SITE, AND TEMPORARY MULCHING. DUST CONTROL MEASURES SHALL BE UTILIZED SO AS TO PREVENT THE MIGRATION OF DUST FROM THE SITE TO ADJUTING AREAS.



NOTES

- FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE SURFACE.
- WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE. AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN STORM EVENT.

STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE

TAX MAP 54 LOTS 5, 6 & 7 TAX MAP 63 LOT 205
EROSION CONTROL NOTES & DETAILS
EXETER ROSE FARM
FOREST STREET & OAK STREET EXTENSION
EXETER, NEW HAMPSHIRE, COUNTY OF ROCKINGHAM
BENJAMIN & JOAN DAGOSTINO REVOCABLE TRUST
 OWNED BY
EXETER ROSE FARM, LLC & BENJAMIN & JOAN DAGOSTINO REVOCABLE TRUSTS
AUGUST 15, 2017

PLANNING BOARD FILE #17-27

APPROVED BY THE EXETER PLANNING BOARD

ON _____ AND
 CHAIRMAN: _____
 SECRETARY: _____

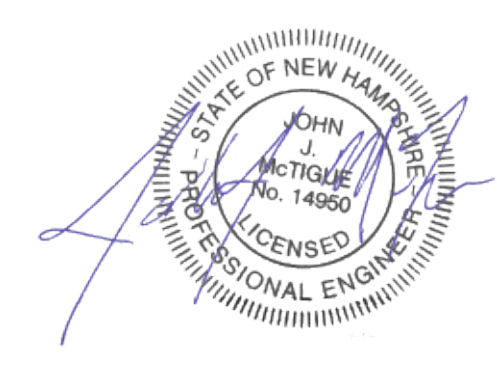


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CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION

REV.	DATE	DESCRIPTION	DR	CK
9	02/09/21	REVISED PER AOT SUBMITTAL	JJM	JJM
8	11/26/18	REVISED PER PLANNING BOARD COMMENTS	ETP	JJM
7	11/05/18	REVISED PER PLANNING BOARD COMMENTS	ETP	JJM
6	10/01/18	REVISED PER PLANNING BOARD COMMENTS	ETP	JJM
5	8/31/18	REVISED PER TRC COMMENTS	ETP	JJM
4	7/10/18	REVISED PER PLANNING BOARD COMMENTS	ETP	JJM
3	2/20/18	REVISED PER REVIEW COMMENTS	ETP	JJM
2	10/31/17	REVISED PER DESIGN REVIEW COMMENTS	ETP	JJM
REV.	DATE	DESCRIPTION	DR	CK



Civil Engineers
 Structural Engineers
 Traffic Engineers
 Land Surveyors
 Landscape Architects
 Scientists

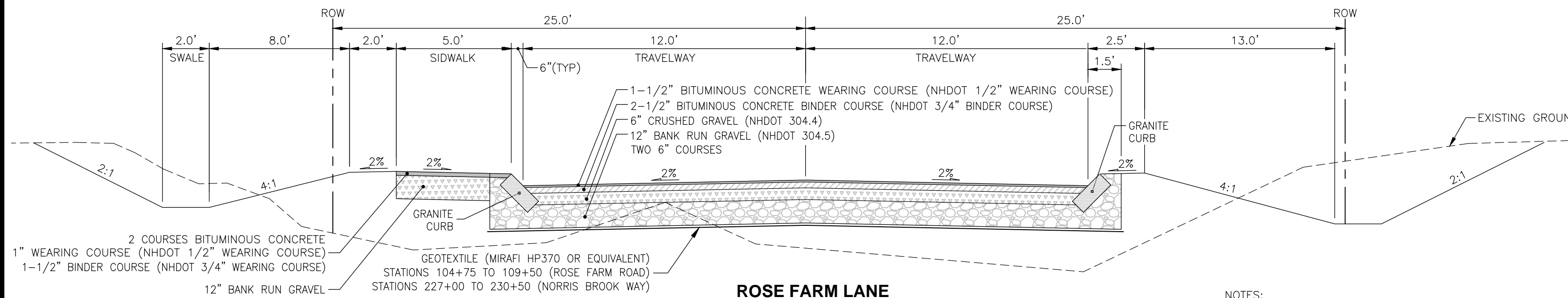
170 Commerce Way, Suite 102
 Portsmouth, NH 03801
 Phone: (603) 431-2222
 Fax: (603) 431-0910
 www.tfmoran.com

FILE 47175.00

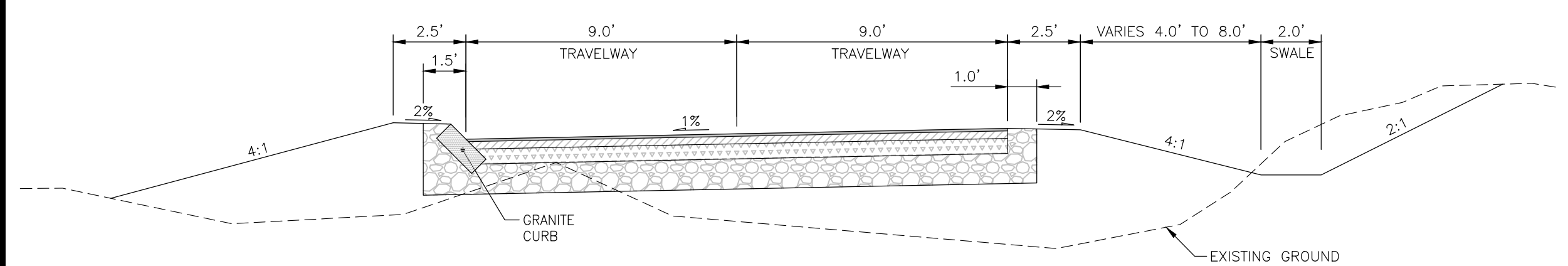
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C-52

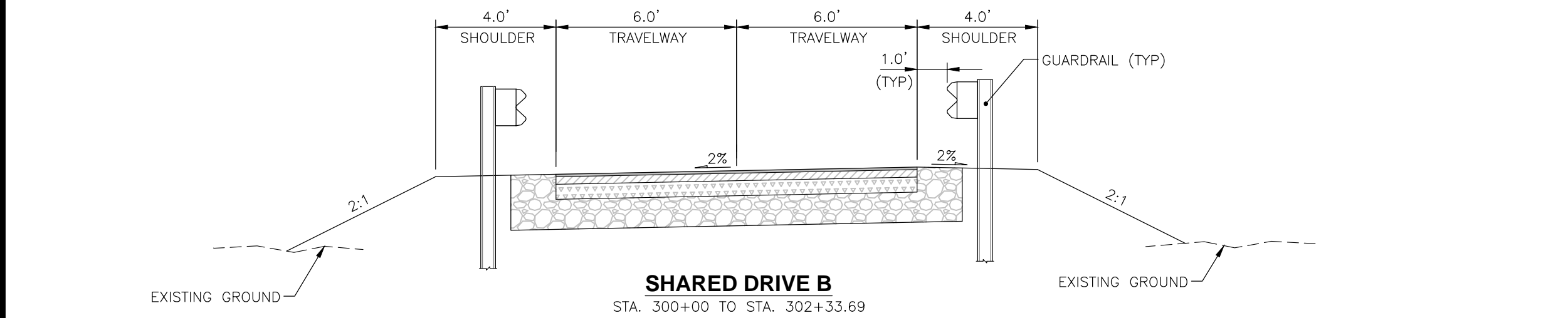
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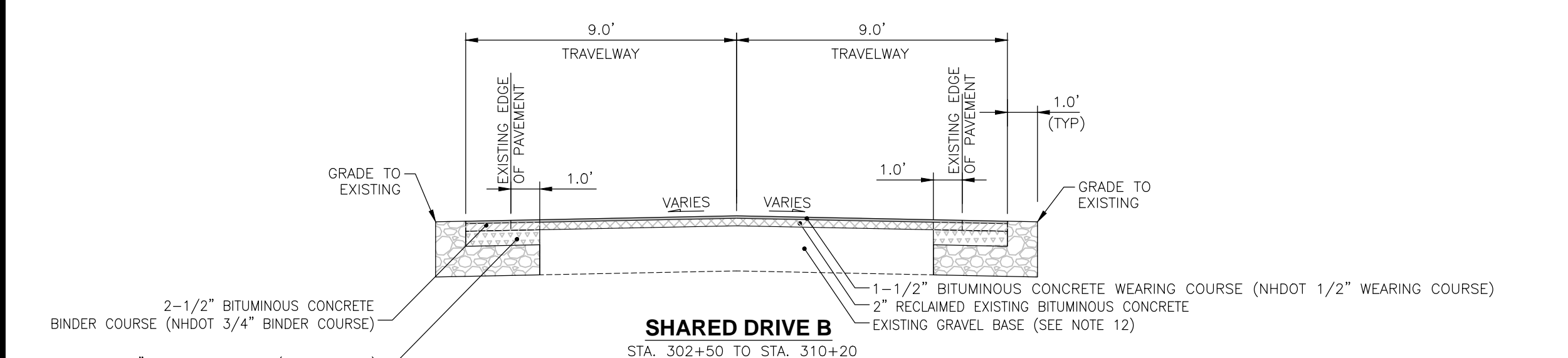
ROSE FARM LANE



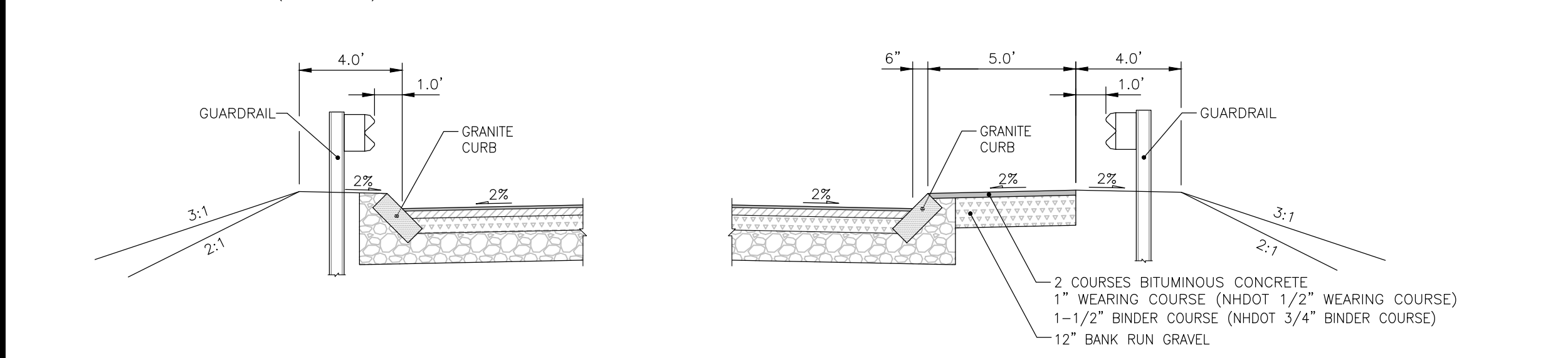
SHARED DRIVE A



SHARED DRIVE B

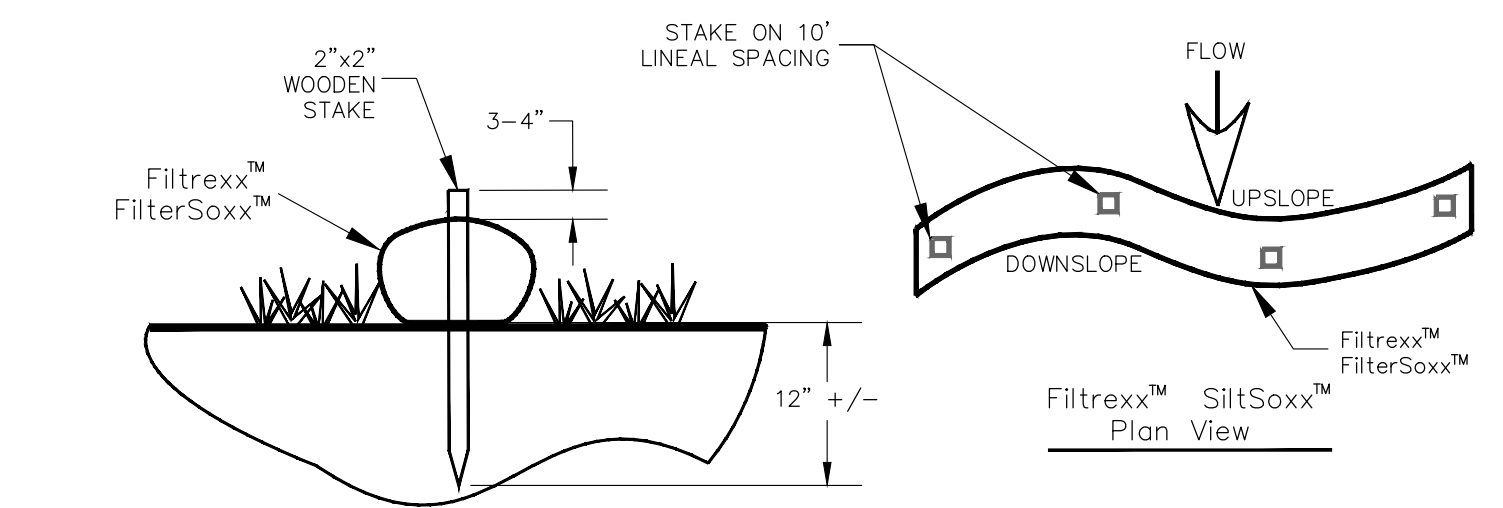
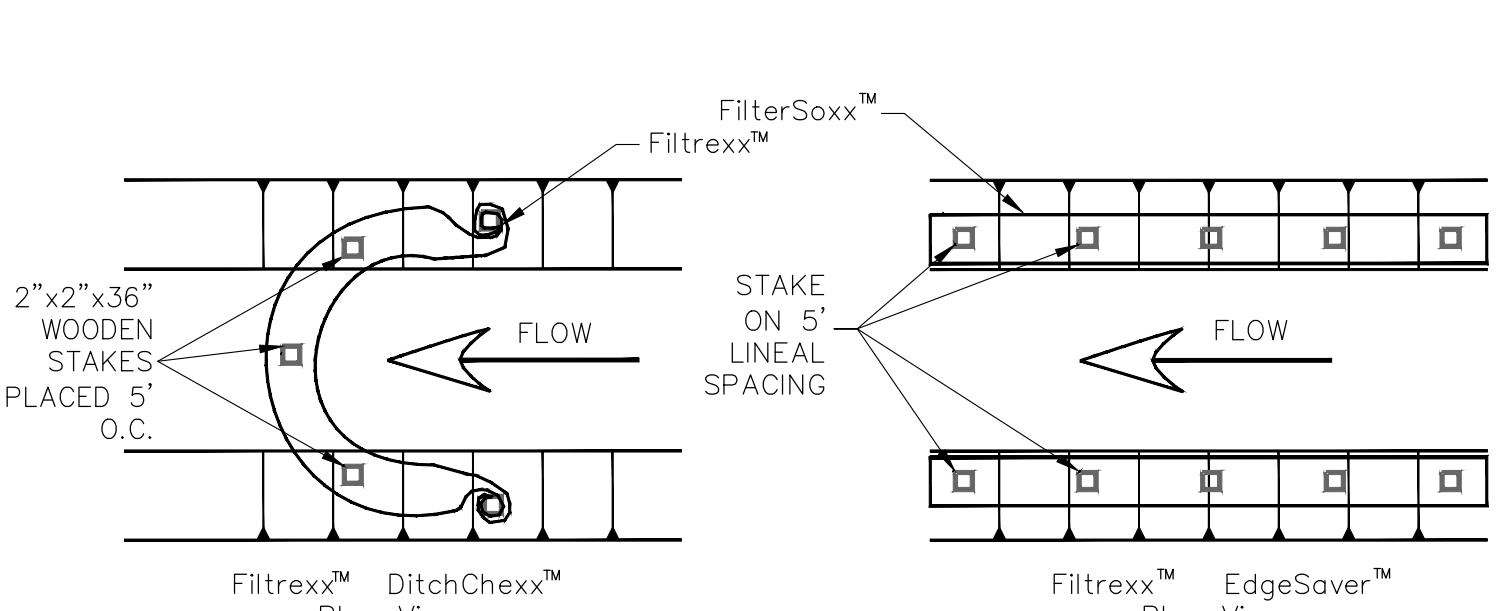


SHARED DRIVE B



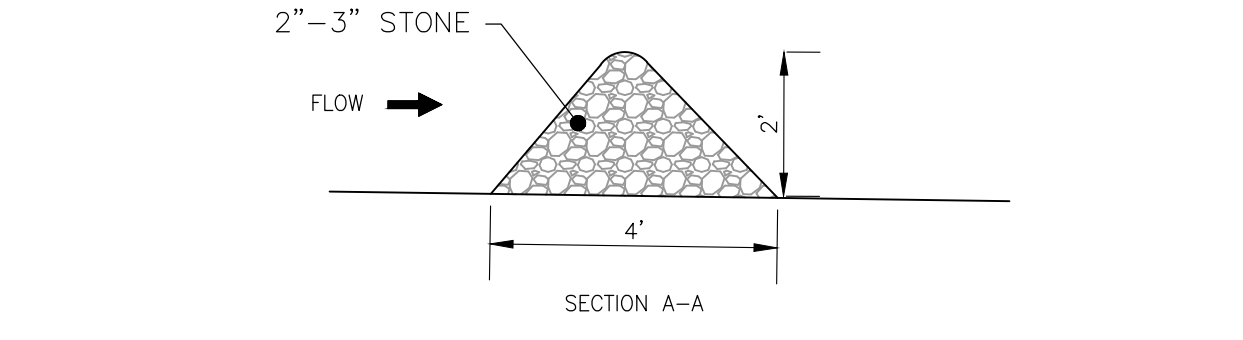
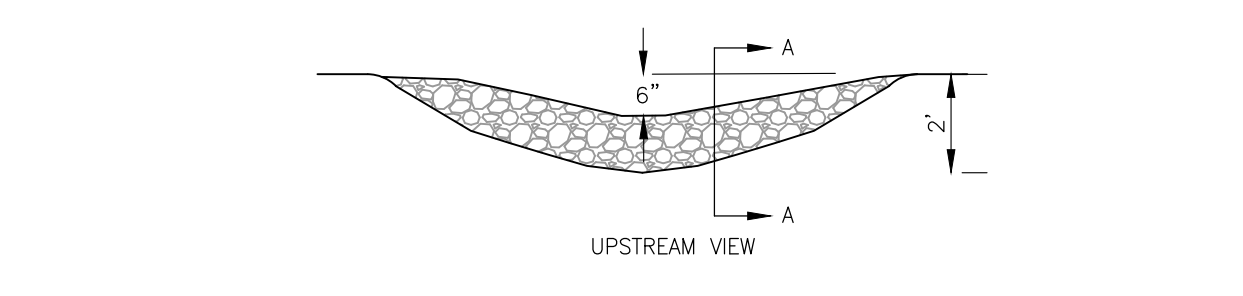
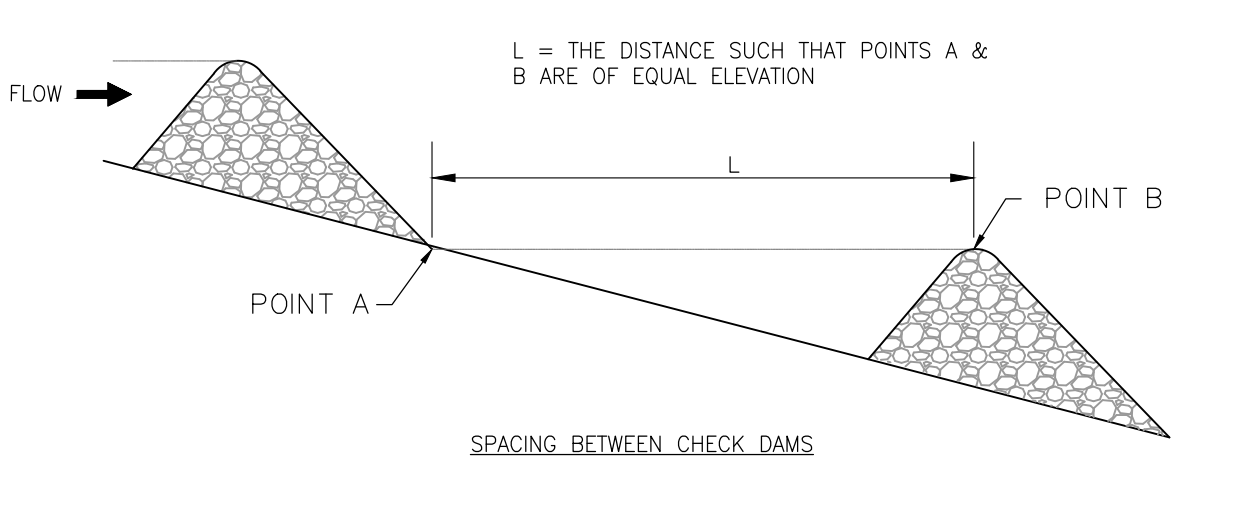
TYPICAL ROADWAY SECTIONS

- NOTES:**
- SEE GRADING & EROSION CONTROL PLAN FOR PAVEMENT SLOPE AND CROSS-SLOPE.
 - PROVIDE CLEAN BUTT TO EXISTING PAVEMENT— USE TACK COAT. A TACK COAT SHALL ALSO BE PLACED BETWEEN GRAVEL COURSE AND SUCCESSIVE LAYERS OF BITUMINOUS CONCRETE. SPECIFICALLY, A TACK COAT SHALL BE PLACED ATOP THE BINDER COURSE PAVEMENT PRIOR TO PLACING THE WEARING COURSE.
 - REMOVE ALL LOAM AND/OR YIELDING MATERIAL BELOW PAVEMENT.
 - ALL ROADWAY AND SIDEWALKS TO CONFORM TO THE LATEST EDITION OF THE STANDARD SPECIFICATION FOR CONSTRUCTION OF PUBLIC UTILITIES IN EXETER, NEW HAMPSHIRE.
 - BITUMINOUS CONCRETE SHALL BE COMPACTED TO AT LEAST 92.5% OF THEORETICAL MAXIMUM DENSITY AS DETERMINED BY ASTM D2041 OR AASHTO T209. PLACEMENT TEMPERATURES OF BITUMINOUS CONCRETE MIXES, IN GENERAL, RANGE BETWEEN 270 AND 310 DEGREES FAHRENHEIT.
 - PAVEMENT BASE COURSE AGGREGATE SHALL CONFORM TO NHDOT SPECIFICATION SECTION 304, ITEM 304.4 AND COMPACTED TO A MINIMUM OF 95% OF MODIFIED PROCTOR MAXIMUM DRY DENSITY.
 - PAVEMENT SUBBASE COURSE AGGREGATE AND AGGREGATE FOR SUBGRADE REPAIR AREAS SHALL BE SUITABLE FOR USE AS STRUCTURAL FILL AND BE PROOF ROLLED AND COMPACTED TO 95% MODIFIED PROCTOR MAXIMUM DRY DENSITY.
 - THE EXPOSED SOIL SUBGRADE SHOULD BE PROOF ROLLED PRIOR TO THE PLACEMENT OF SUBBASE GRAVEL, AND SOFT AREAS SHOULD BE REPAIRED AND REPLACED.
 - GRANITE CURB DIMENSIONS: 5"Wx18"Dx48"L.
 - GEOTEXTILE SHALL BE MIRAFI HP370 OR EQUIVALENT AND PLACED TAUT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, AND SHALL EXTEND THE FULL SUBGRADE WIDTH.
 - THE WEARING COURSE SHALL BE 3/8-INCH NOMINAL AGGREGATE, 75 CYRATIONS, AND BINDER COURSE SHALL BE 3/4-INCH NOMINAL AGGREGATE, 50 CYRATIONS (DIVISION 400, SECTION 401 "PLANT MIX PAVEMENTS - GENERAL" OF THE NHDOT STANDARD SPECIFICATIONS, LATEST EDITION). THE SIDEWALK SHALL CONFORM TO NHDOT 608.13 BITUMINOUS SIDEWALK SPECIFICATIONS.

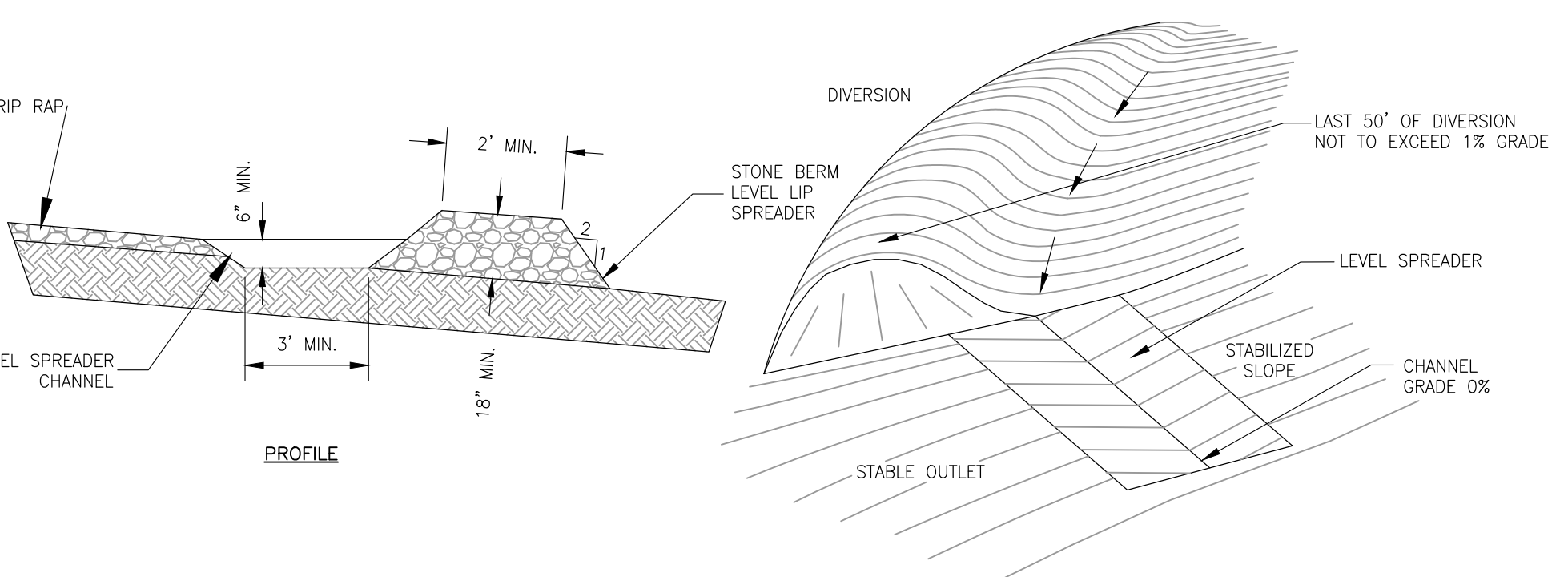


- NOTES:**
- ALL MATERIAL TO MEET Filtrex™ SPECIFICATIONS
 - Filtrex™ COMPOST/SOIL/ROCK/SEED FILL TO MEET APPLICATION REQUIREMENTS.
 - COMPOST MATERIAL TO BE DISPersed ON SITE, AS DETERMINED BY ENGINEER.

Filtrex™ FilterSoxx™ Staking



STONE CHECK DAM



CONSTRUCTION SPECIFICATIONS

- CONSTRUCT THE LEVEL SPREADER LIP ON A ZERO PERCENT GRADE TO INSURE UNIFORM SPREADING OF RUNOFF.
- LEVEL SPREADER SHALL BE CONSTRUCTED ON UNDISTURBED SOIL AND NOT ON FILL.
- AN EROSION STOP SHALL BE PLACED VERTICALLY A MINIMUM OF SIX INCHES DEEP IN A SILT TRENCH ONE FOOT BACK OF THE LEVEL LIP AND PARALLEL TO THE LIP. EROSION STOP SHALL EXTEND THE ENTIRE LENGTH OF THE LEVEL LIP.
- THE ENTIRE LEVEL LIP AREA SHALL BE PROTECTED BY PLACING TWO STRIPS OF JUTE OR EXCELISUR MATTING ALONG THE LIP. EACH STRIP SHALL OVERLAP THE EROSION STOP AT LEAST SIX INCHES.
- THE ENTRANCE CHANNEL TO THE LEVEL SPREADER SHALL NOT EXCEED ONE PERCENT GRADE FOR AT LEAST FIFTY FEET BEFORE ENTERING INTO THE SPREADER.
- THE FLOW FROM THE LEVEL SPREADER SHALL OUTLET ONTO STABILIZED AREAS. WATER SHOULD NOT RECONCENTRATE IMMEDIATELY BELOW THE SPREADER.
- PERIODIC INSPECTION AND REQUIRED MAINTENANCE SHALL BE PERFORMED.

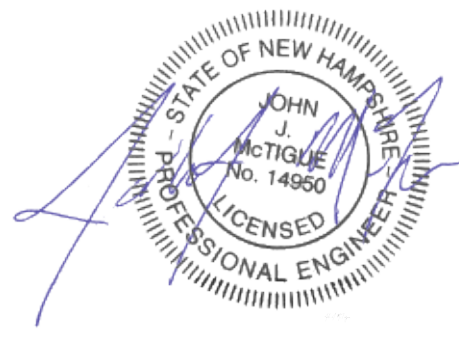
LEVEL SPREADER

PLANNING BOARD FILE #17-27

APPROVED BY THE EXETER PLANNING BOARD
 ON _____
 CHAIRMAN: _____ AND
 SECRETARY: _____



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 CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION

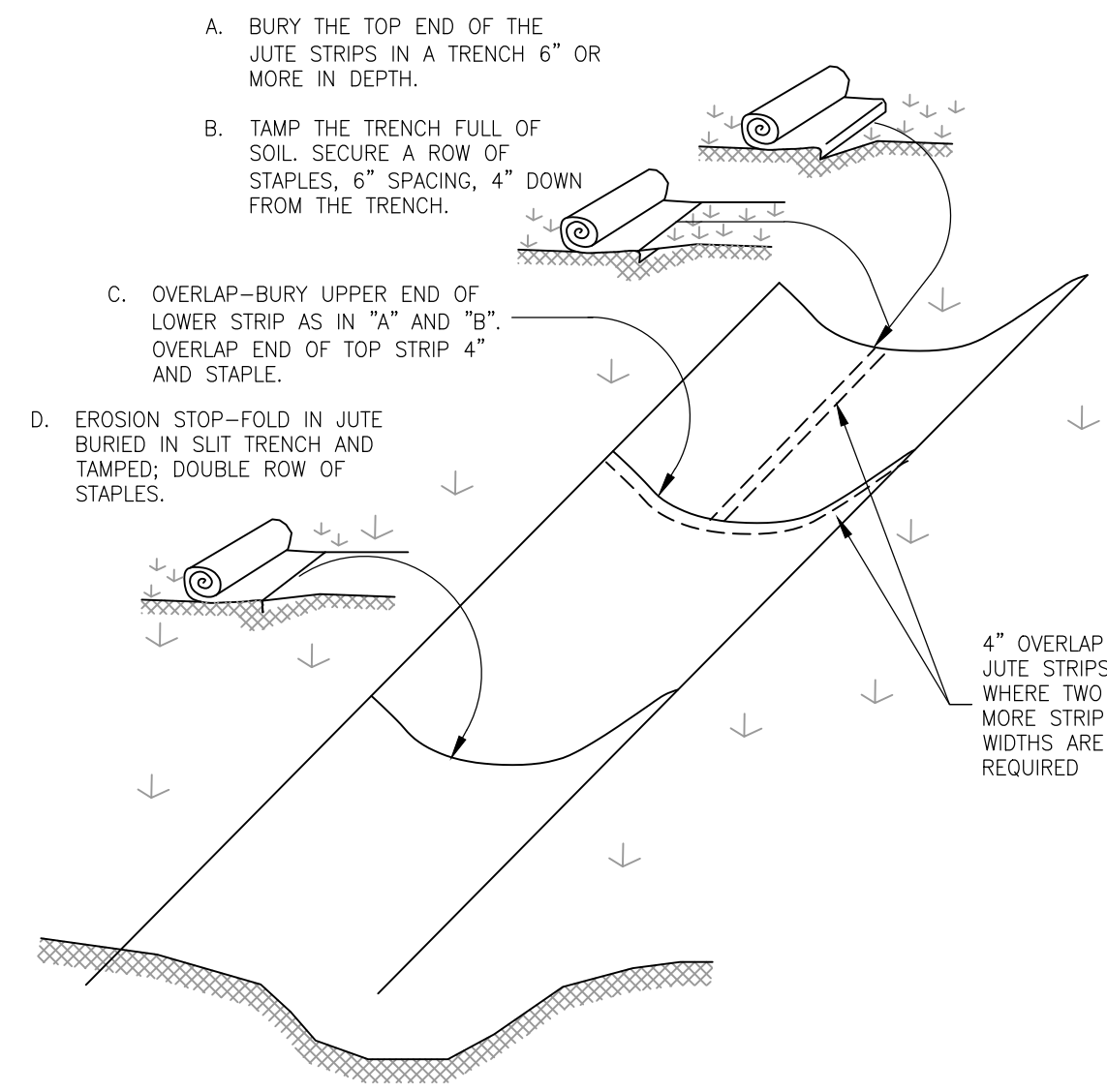


REV.	DATE	DESCRIPTION	DR	CK
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2	10/31/17	REVISED PER DESIGN REVIEW COMMENTS	ETP	JJM

TAX MAP 54 LOTS 5, 6 & 7 TAX MAP 63 LOT 205
DETAILS
EXETER ROSE FARM
FOREST STREET & OAK STREET EXTENSION
EXETER, NEW HAMPSHIRE, COUNTY OF ROCKINGHAM
BENJAMIN & JOAN DAGOSTINO REVOCABLE TRUST
 OWNED BY
EXETER ROSE FARM, LLC & BENJAMIN & JOAN DAGOSTINO REVOCABLE TRUSTS
 AUGUST 15, 2017

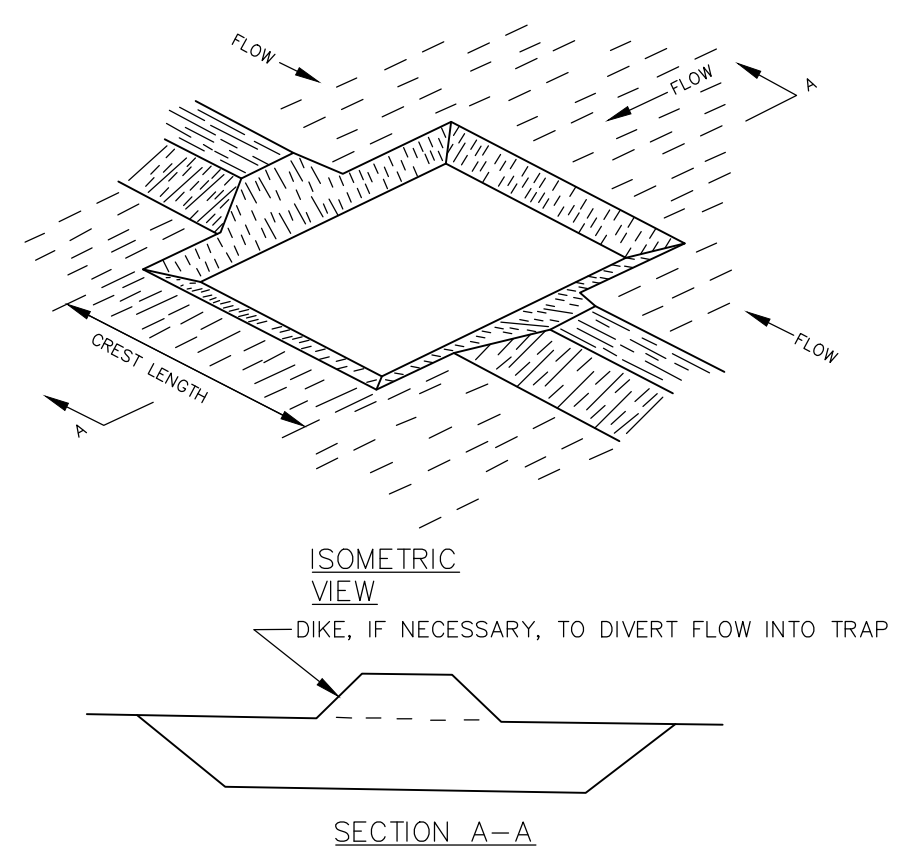
TFM **MSC**
 Civil Engineers
 Structural Engineers
 Traffic Engineers
 Landscape Architects
 Scientists
 170 Commerce Way, Suite 102
 Portsmouth, NH 03801
 Phone (603) 431-2222
 Fax (603) 431-0910
 www.tfmoran.com

Sep 10, 2021 - 4:58pm F:\MSC Projects\47175 - Oak Street Extension - Exeter\47175-00_C3D\Design\Production Drawings\Open Space\47175-00_C-52-66_Details.dwg

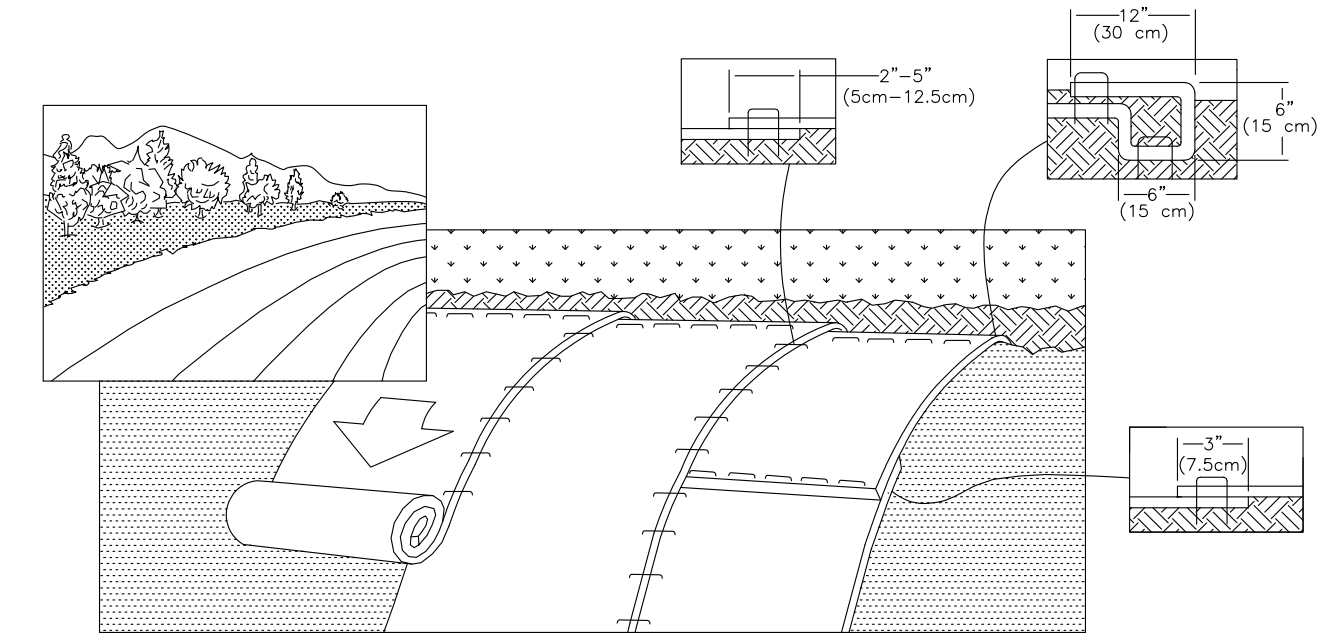


- NOTES
- MATting SHALL BE INSTALLED PER MANUFACTURERS SPECIFICATIONS, INCLUDING STAPLE PATTERNS.
 - STAPLES SHALL BE BIODEGRADABLE.

JUTE MATTING
NOT TO SCALE

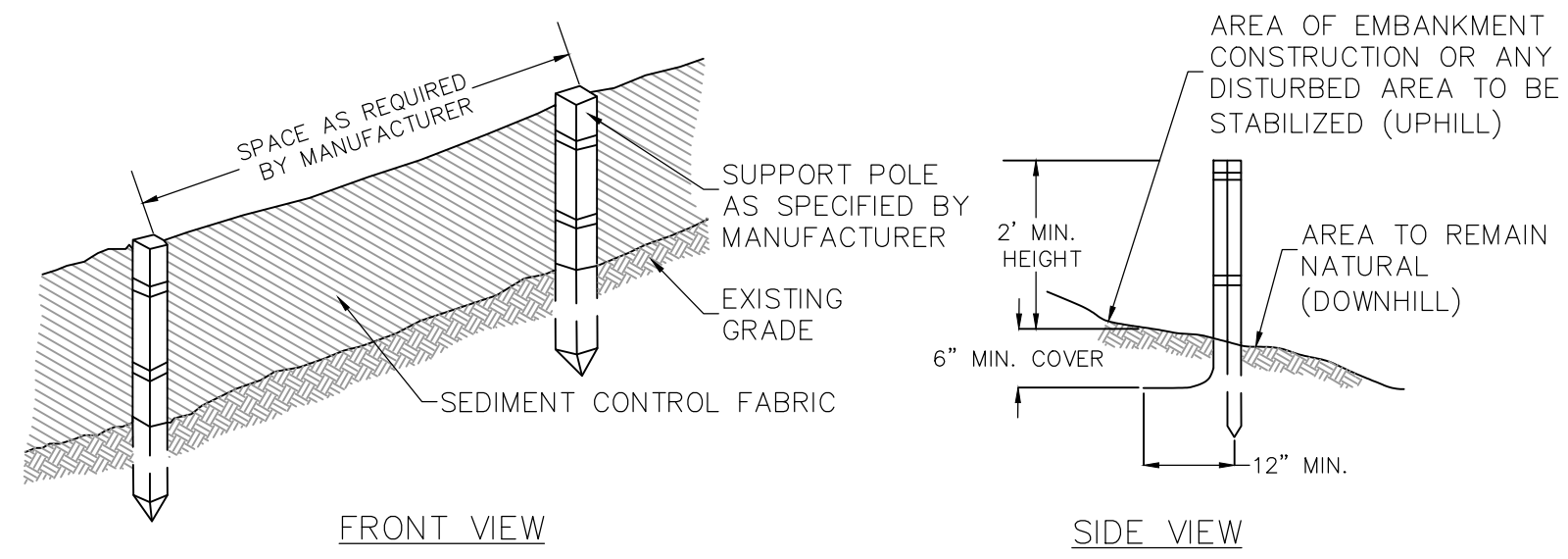


EXCAVATED EARTH OUTLET SEDIMENT TRAP
NOT TO SCALE



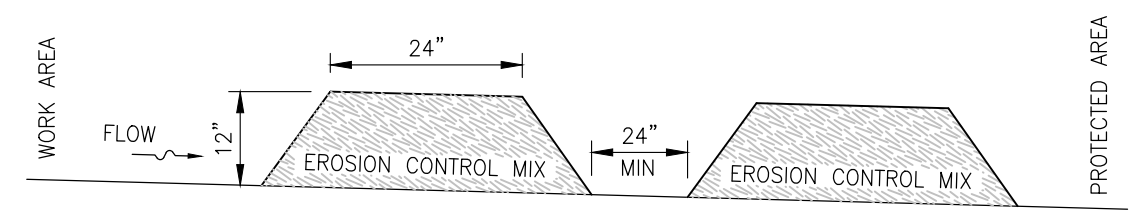
- NOTES
- EROSION CONTROL BLANKET SHALL BE BIODEGRADABLE EROSION CONTROL BLANKET MANUFACTURED BY NORTH AMERICAN GREEN OR EQUAL.
 - PREPARE SOIL BEFORE INSTALLING RECP'S, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
 - BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP'S IN A 6 IN. (15 CM) DEEP X 6 IN. (15 CM) WIDE TRENCH WITH APPROXIMATELY 12 IN. (30 CM) OF RECP'S EXTENDED BEYOND THE UPSLOPE PORTION OF THE TRENCH. ANCHOR THE RECP'S WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12 IN. APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO THE COMPACTED SOIL AND FOLD THE REMAINING 12 IN. PORTION OF RECP'S BACK OVER THE SEED AND COMPACTED SOIL. SECURE RECP'S OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12 IN. APART ACROSS THE WIDTH OF THE RECP'S.
 - ROLL THE RECP'S (3A) DOWN OR (3B) HORIZONTALLY ACROSS THE SLOPE. RECP'S WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECP'S MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE.
 - THE EDGES OF PARALLEL RECP'S MUST BE STAPLED WITH AN APPROXIMATELY 2 IN.-5 IN. (5-12.5 CM) OVERLAP DEPENDING ON THE RECP TYPE.
 - CONSECUTIVE RECP'S SPLICED DOWN THE SLOPE MUST BE ENDOVER-END (SHINGLE STYLE) WITH AN APPROXIMATE 3 IN. OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12 IN. APART ACROSS ENTIRE RECP'S WIDTH. IN ADVERSE SOIL CONDITIONS LONGER STAPLES/STAKES OR EARTH ANCHORS MAY BE NECESSARY TO PROPERLY SECURE THE RECP'S.

EROSION CONTROL BLANKET
NOT TO SCALE



- NOTES
- THE GEOTEXTILE FABRIC SHALL MEET THE DESIGN CRITERIA FOR BEST MANAGEMENT PRACTICE FOR SILT FENCES, OF THE NEW HAMPSHIRE STORMWATER MANUAL, DECEMBER 2008.
 - THE HEIGHT OF THE BARRIER SHALL NOT EXCEED 36 INCHES.
 - WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP, AND SECURELY SEALED. SEE MANUFACTURER'S RECOMMENDATIONS.
 - POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 16 INCHES). WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL BE AS MANUFACTURER RECOMMENDS.
 - A TRENCH SHALL BE EXCAVATED APPROXIMATELY 6 INCHES WIDE AND 6 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER IN ACCORDANCE WITH RECOMMENDATIONS.
 - THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE, AND WILL EXTEND TO A MINIMUM OF 8 INCHES INTO THE TRENCH. FILTER FABRIC SHALL NOT BE STAPLED INTO EXISTING TREES.
 - THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER FABRIC.
 - FILTER BARRIERS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
 - FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL, AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
 - SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
 - SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE-THIRD THE HEIGHT OF THE BARRIER.
 - ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED, SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

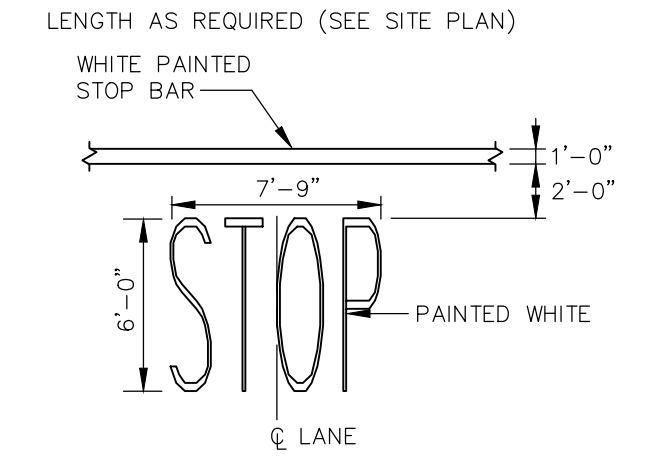
SILT FENCE
NOT TO SCALE



EROSION CONTROL MIX BERM
NOT TO SCALE

- EROSION CONTROL MIX SPECIFICATIONS
- EROSION CONTROL MIX CAN BE MANUFACTURED ON OR OFF THE PROJECT SITE. IT MUST CONSIST PRIMARILY OF ORGANIC MATERIAL, SEPARATED AT THE POINT OF GENERATION, AND MAY INCLUDE SHREDDED BARK, STUMP GRINDINGS, COMPOSTED BARK, OR ACCEPTABLE MANUFACTURED PRODUCTS. WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS OR REPROCESSED WOOD PRODUCTS WILL NOT BE ACCEPTABLE AS THE ORGANIC COMPONENT OF THE MIX.
 - EROSION CONTROL MIX SHOULD CONTAIN A WELL-GRADED MIXTURE OF PARTICLE SIZES AND MAY CONTAIN ROCKS LESS THAN 4" IN DIAMETER. EROSION CONTROL MIX MUST BE FREE OF REFUSE, PHYSICAL CONTAMINANTS, AND MATERIAL TOXIC TO PLANT GROWTH. THE MIX COMPOSITION SHOULD MEET THE FOLLOWING STANDARDS:
 - THE ORGANIC MATTER CONTENT SHOULD BE BETWEEN 25 AND 65%, DRY WEIGHT BASIS.
 - PARTICLE SIZE BY WEIGHT SHOULD BE 100% PASSING A 3" SCREEN, 90% TO 100% PASSING A 1-INCH SCREEN, 70% TO 100% PASSING A 0.75-INCH SCREEN, AND A MAXIMUM OF 30% TO 75%, PASSING A 0.25-INCH SCREEN.
 - THE ORGANIC PORTION NEEDS TO BE FIBROUS AND ELONGATED.
 - THE MIX SHOULD NOT CONTAIN SILTS, CLAYS OR FINE SANDS.
 - SOLUBLE SALTS CONTENT SHOULD BE < 4.0 MMHOS/CM.
 - THE PH SHOULD BE BETWEEN 5.0 AND 8.0

- NOTES
- THE STUMP GRINDINGS BERM MUST BE A MINIMUM OF 12" HIGH, AS MEASURED ON THE UPHILL SIDE OF THE BARRIER, AND A MINIMUM OF TWO FEET WIDE, PER NHDES.
 - FILTER BERMS ARE NOT TO BE USED IN SWALES OR WHERE CONCENTRATED FLOW IS PRESENT.
 - FILTER BERMS SHOULD BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. THEY SHOULD BE REPAIRED IMMEDIATELY IF THERE ARE ANY SIGNS OF EROSION OR SEDIMENTATION BELOW THEM. IF THERE ARE SIGNS OF BREACHING OF THE BARRIER, OR IMPOUNDING OF LARGE VOLUMES OF WATER BEHIND THEM, THEN THEY SHOULD BE REPLACED WITH OTHER MEASURES TO INTERCEPT AND TRAP SEDIMENT (SUCH AS A DIVERSION BERM DIRECTING RUNOFF TO A SEDIMENT TRAP OR BASIN).
 - SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE THIRD OF THE HEIGHT OF THE BARRIER.
 - FILTER BERMS SHOULD BE RESHAPED OR REAPPLIED AS NECESSARY.
 - ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE BARRIER IS NO LONGER REQUIRED SHOULD BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED



- NOTES:
- TRAFFIC PAINT SHALL BE APPLIED AS SPECIFIED BY THE MANUFACTURER AND SHALL MEET THE REQUIREMENTS OF AASHTO M248 TYPE "F". APPLY TWO COATS.
 - SYMBOLS AND PARKING STALLS SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT, LATEST EDITION.
 - ALL TRAFFIC PAINT SHALL BE CHLORINATED RUBBER OR LATEX TRAFFIC PAINT, BOTH WITH GLASS BEADS, THAT MEETS ALL SPECIFICATIONS IN THE MUTCD.

STOP BAR & LEGEND
NOT TO SCALE

PLANNING BOARD FILE #17-27

APPROVED BY THE EXETER PLANNING BOARD

ON _____ AND _____

CHAIRMAN: _____

SECRETARY: _____

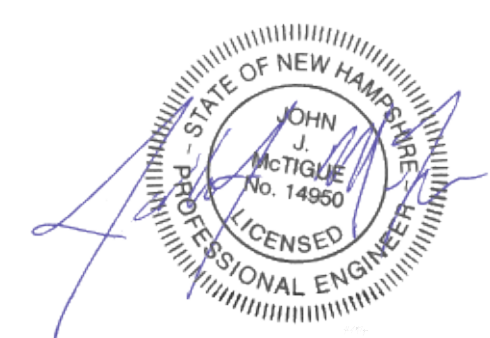


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TAX MAP 54 LOTS 5, 6 & 7 TAX MAP 63 LOT 205

DETAILS

EXETER ROSE FARM

FOREST STREET & OAK STREET EXTENSION

EXETER, NEW HAMPSHIRE, COUNTY OF ROCKINGHAM

BENJAMIN & JOAN DAGOSTINO REVOCABLE TRUST

OWNED BY

EXETER ROSE FARM, LLC & BENJAMIN & JOAN DAGOSTINO REVOCABLE TRUSTS

AUGUST 15, 2017

		Civil Engineers Structural Engineers Traffic Engineers Land Surveyors Landscape Architects Scientists	170 Commerce Way, Suite 102 Portsmouth, NH 03801 Phone (603) 431-2222 Fax (603) 431-0910 www.tfmoran.com
		47175.00	DR JRM FB CK JUM CADFILE

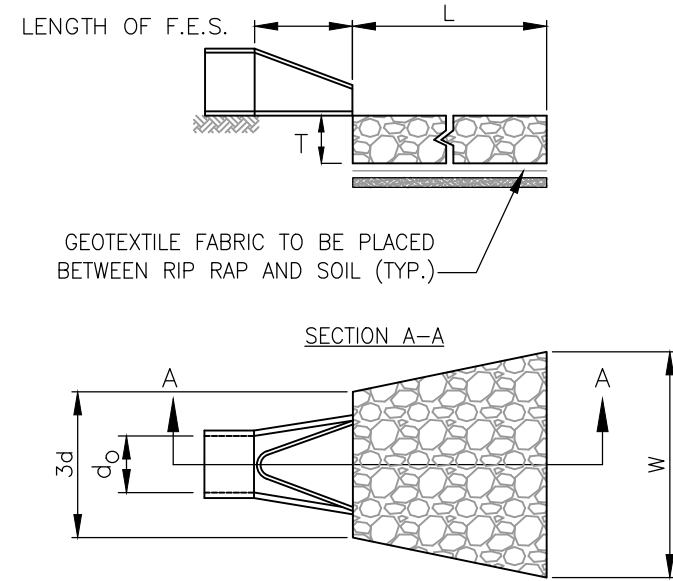
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MAINTENANCE:

THE OUTLET PROTECTION SHOULD BE CHECKED AT LEAST ANNUALLY AND AFTER EVERY MAJOR STORM. IF THE RIP RAP HAS BEEN DISPLACED, UNDERMINED OR DAMAGED, IT SHOULD BE CHECKED TO SEE THAT EROSION IS NOT OCCURRING. THE DOWNSTREAM CHANNEL SHOULD BE KEPT CLEAR OF OBSTRUCTIONS SUCH AS FALLEN TREES, DEBRIS, AND SEDIMENT THAT COULD CHANGE FLOW PATTERNS AND/OR TAILWATER DEPTHS ON THE PIPES. REPAIRS MUST BE CARRIED OUT IMMEDIATELY TO AVOID ADDITIONAL DAMAGE TO THE OUTLET PROTECTION APRON.

CONSTRUCTION SPECIFICATIONS:

- THE SUBGRADE FOR THE FILTER MATERIAL, GEOTEXTILE FABRIC, AND RIP RAP SHALL BE PREPARED TO THE LINES AND GRADES SHOWN ON THE PLANS.
- THE ROCK OR GRAVEL USED FOR FILTER OR RIP RAP SHALL CONFORM TO THE SPECIFIED GRADATION.
- GEOTEXTILE FABRICS SHALL BE PROTECTED FROM PUNCTURE OR TEARING DURING THE PLACEMENT OF THE ROCK RIP RAP. DAMAGED AREAS IN THE FABRIC SHALL BE REPAIRED BY PLACING A PIECE OF FABRIC OVER THE DAMAGED AREA OR BY COMPLETE REPLACEMENT OF THE FABRIC. ALL OVERLAPS REQUIRED FOR REPAIRS OR JOINING TWO PIECES OF FABRIC SHALL BE A MINIMUM OF 12".
- STONE FOR THE RIP RAP MAY BE PLACED BY EQUIPMENT AND SHALL BE CONSTRUCTED TO THE FULL LAYER THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO PREVENT SEGREGATION OF THE STONE SIZES.
- ADD ANIMAL SCREEN TO FLARED END SECTION OUTLET.

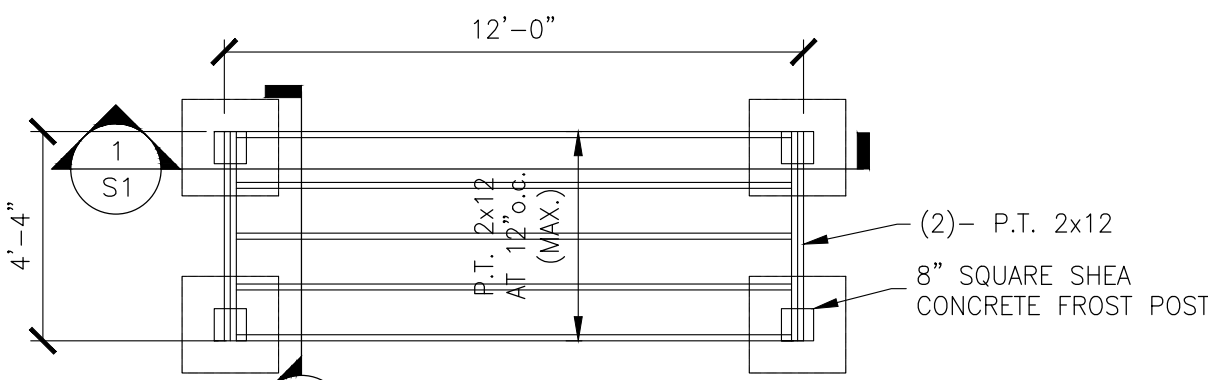


RIP RAP DIMENSIONS				
LOCATION	d50 STONE SIZE	LENGTH OF APRON (L)	WIDTH OF APRON (W)	DEPTH OF RIP RAP
FES1A	3"	15'	10'	4.5'
FES1B	3"	13'	10'	4.5'
FES2A	3"	18'	12'	4.5'
FES2B	3"	21'	12'	3'
FES3A	3"	14'	10'	4.5'
FES3B	3"	14'	9'	3'
FES4A	3"	15'	11'	4.5'
FES4B	3"	19'	10'	3'
FES5	4.87"	28'	14'	3'
FES6	3"	18'	10'	3'
FES7	3"	17'	10'	3'
FES8	5.51"	30'	15'	3'

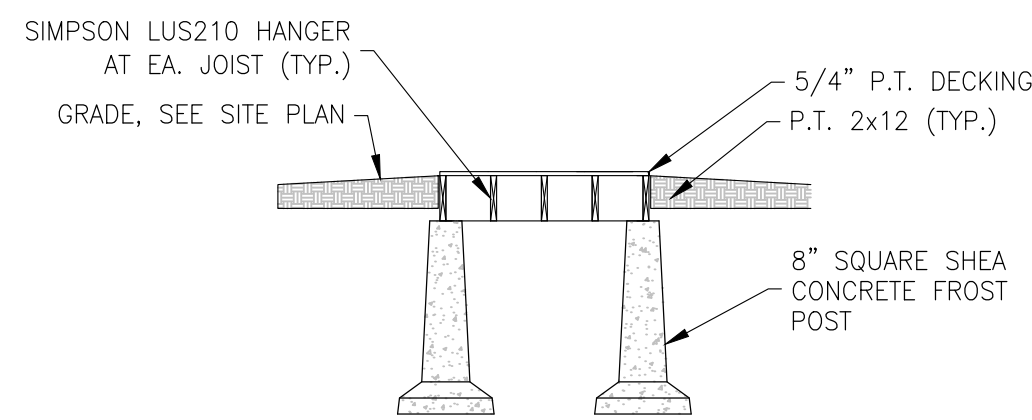
% OF WEIGHT SMALLER THAN THE GIVEN SIZE	SIZE OF STONE (INCHES)
100	9.00 TO 12.00
85	7.80 TO 10.80
50	6.00 TO 9.00
15	1.80 TO 3.00

RIP RAP AND FLARED END SECTION WITH OUTLET PROTECTION

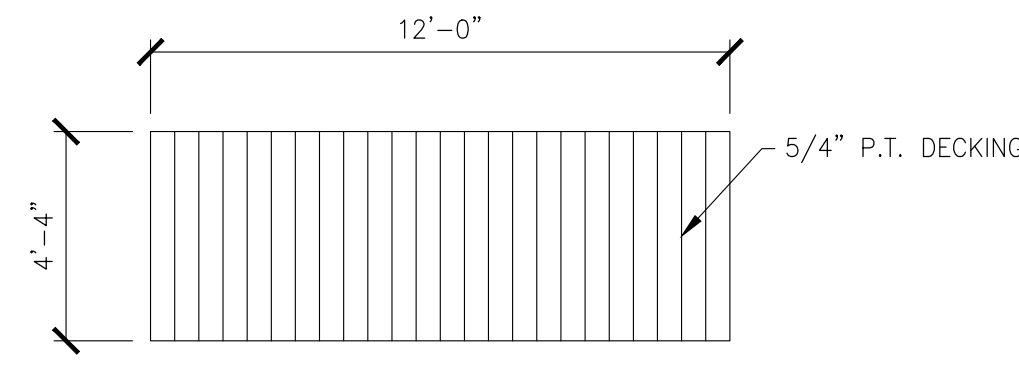
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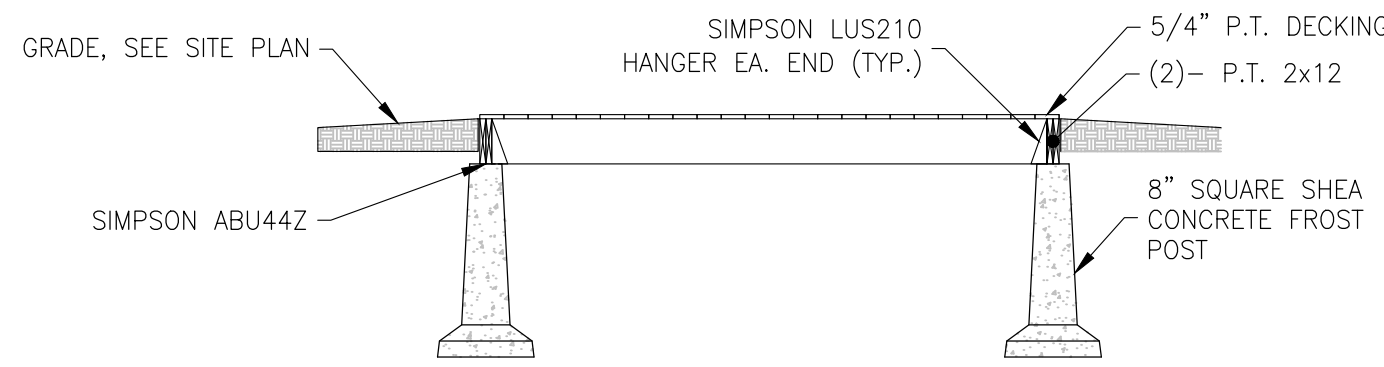
FRAMING PLAN



SECTION 2 SCALE: 1/4" = 1'-0"



WALKWAY PLAN



SECTION 1 SCALE: 1/4" = 1'-0"

FOOT-BRIDGE

NOT TO SCALE

GENERAL:

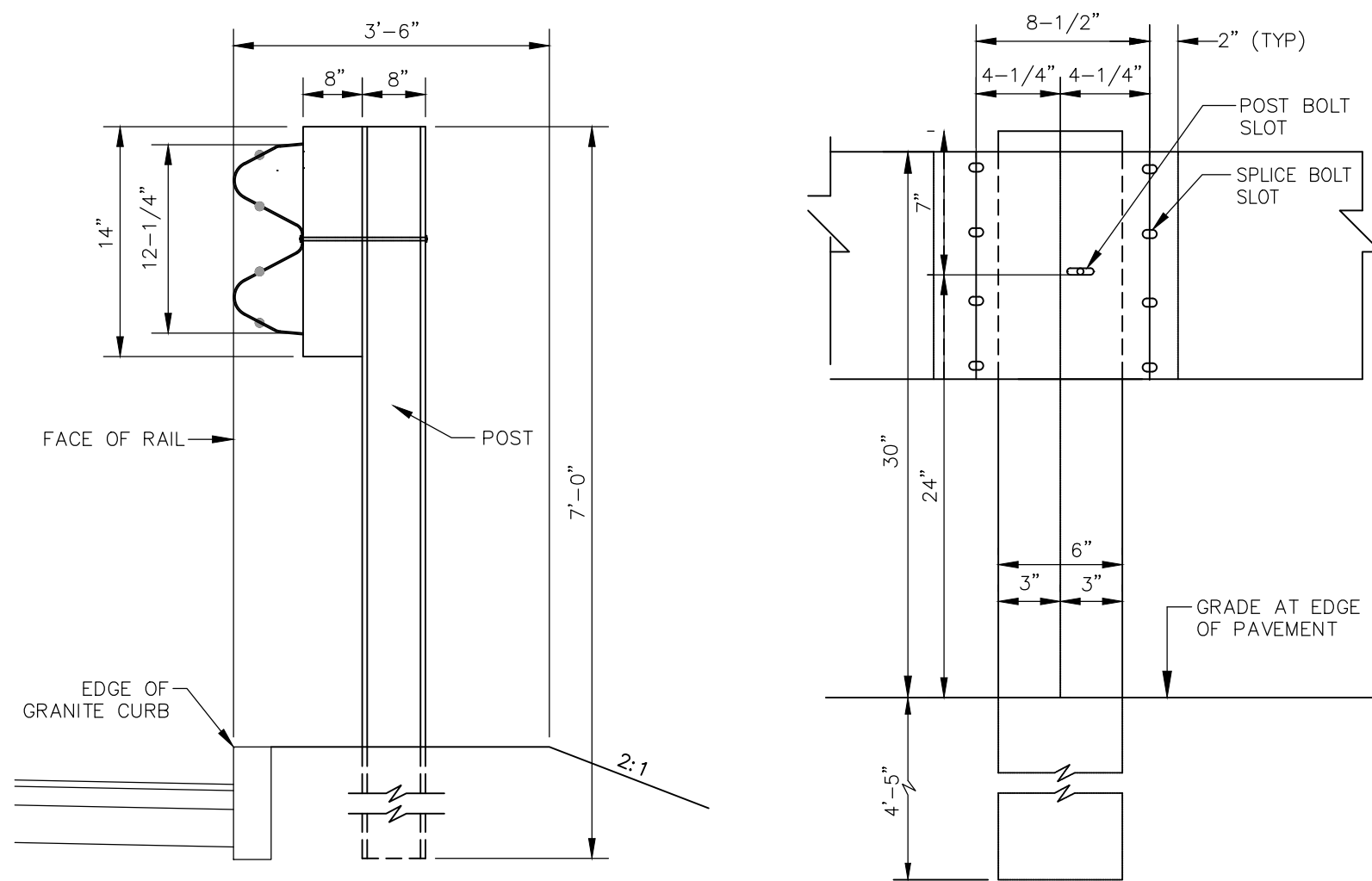
- STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND SHOP DRAWINGS, AND SPECIFICATIONS.
- UNLESS OTHERWISE NOTED, SECTIONS, DETAILS, NOTES, MATERIALS, AND METHODS SHOWN ON ANY DRAWINGS ARE TO BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS.
- IN THE EVENT OF A CONFLICT BETWEEN PLANS, SPECIFICATIONS, AND DETAILS, THE STRUCTURAL ENGINEER SHALL BE NOTIFIED IMMEDIATELY FOR CLARIFICATION.
- ALL DIMENSIONS, ELEVATIONS, AND CONDITIONS MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PORTION OF THE WORK. ANY DISCREPANCIES BETWEEN THESE DRAWINGS AND AS-BUILT CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER BEFORE PROCEEDING WITH ANY WORK.
- THESE PLANS WERE PREPARED UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER, TFMORAN INC. ASSUMES NO LIABILITY AS A RESULT OF ANY CHANGES OR NON-COMFORMANCE WITH THESE PLANS EXCEPT UPON THE WRITTEN APPROVAL OF THE ENGINEER OF RECORD.
- DO NOT SCALE DRAWINGS. CONTACT THE ARCHITECT OR STRUCTURAL ENGINEER FOR DIMENSIONS NOT SPECIFICALLY SHOWN.

FOUNDATIONS:

- FOUNDATIONS HAVE BEEN DESIGNED TO CONSIST OF CONTINUOUS AND SPREAD FOOTINGS BEARING ON INORGANIC, UNDISTURBED NATURAL SOIL OR COMPACTED STRUCTURAL FILL HAVING AN ASSUMED ALLOWABLE BEARING PRESSURE OF 2000 POUNDS PER SQUARE FOOT. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THESE SUBSURFACE CONDITIONS.
- UNLESS OTHERWISE NOTED, FOUNDATIONS SHALL BE CENTERED UNDER SUPPORTED MEMBERS.

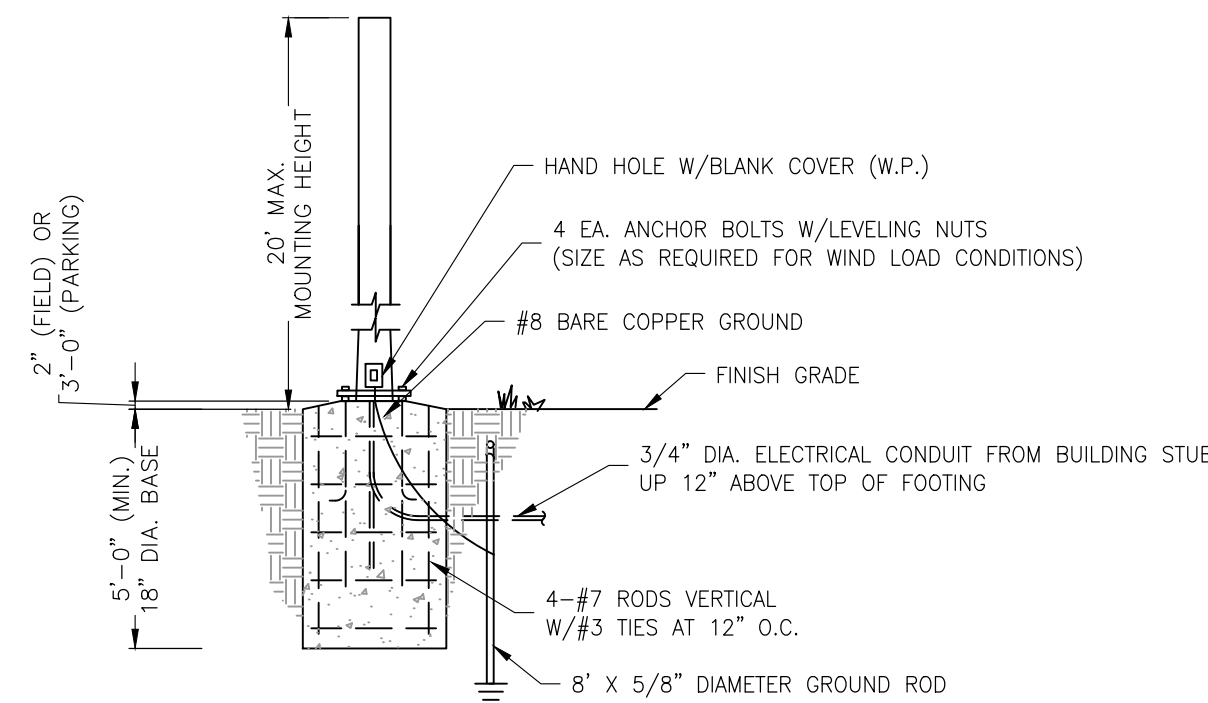
WOOD:

- WORK SHALL BE IN ACCORDANCE WITH THE AMERICAN WOOD COUNCIL, ANSI/AF&PA, "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION 2005 (NDS)" INCLUDING "DESIGN VALUES FOR WOOD CONSTRUCTION", NATIONAL FOREST PRODUCTS ASSOCIATION.
- NEW WOOD FOR STRUCTURAL USE SHALL HAVE A MOISTURE CONTENT AS SPECIFIED IN THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION."
- WOOD CONSTRUCTION SHALL CONFORM TO IBC 2009 CHAPTER 23 AND SECTION 2308 "CONVENTIONAL LIGHT-FRAME CONSTRUCTION."
- FRAMING FOR WALLS AND JOISTS SHALL BE SPRUCE-PINE-FIR (SPF) NO. 1/ NO. 2 OR BETTER. DIMENSIONED LUMBER REPRESENTS NOMINAL SIZES.
- NOTE: SEE IBC 2009, TABLE 2304.9.1 "FASTENING SCHEDULE" FOR FASTENING/ NAILING REQUIREMENTS NOT SHOWN.
- P.T. WOOD SHALL BE PRESSURE TREATED (P.T.), MEETING AWPA USED CATEGORY STANDARD. ALL PRESSURE TREATED LUMBER SHALL BE SOUTHERN YELLOW PINE NO.1 OR 2 TREATED WITH ACQ-D TREATMENT FOR USE CATEGORY UC4B OR MORE SEVERE CONDITIONS.
- WOOD CONSTRUCTION CONNECTORS SHALL BE MANUFACTURED BY SIMPSON STRONG-TIE CO., INC. AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
- ALL WOOD FASTENERS AND HANGERS IN CONTACT WITH P.T. FRAMING ARE TO BE STAINLESS STEEL OR HOT DIPPED GALVANIZED (MIN 2.0 OZ/FT²).



METAL BEAM GUARDRAIL

NOT TO SCALE

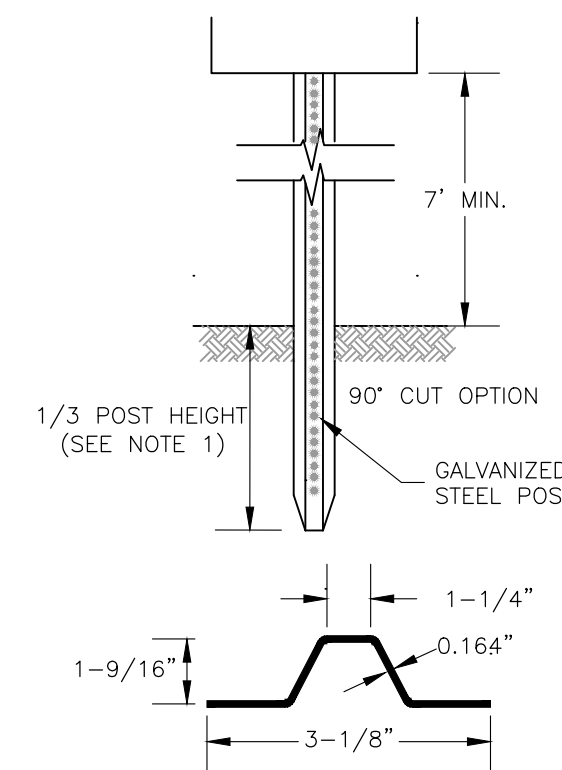


NOTES

- BASE SHOWN IS PROTOTYPICAL. VERIFY THAT LIGHT POLE BASE INSTALLED MEETS LIGHT POLE MANUFACTURER'S SPECIFICATIONS. COORDINATE WITH ELECTRICAL CONTRACTOR.
- WHERE LIGHT POLE BASES ARE PLACED IN AREAS NOT PROTECTED BY CURBING, A 3'-0" REVEAL OF BASE IS REQUIRED WITH REVEAL TO BE PAINTED SAFETY YELLOW. WHERE LIGHT POLE BASES ARE PLACED IN FIELD APPLICATIONS OR PROTECTED BY CURBING, THE BASE IS TO BE PLACED 2" ABOVE FINISHED GRADE.
- BASE CONCRETE TO BE 4,000 PSI, SMOOTH FINISH.
- POLES SHALL BE FACTORY CUT TO PROVIDE REQUIRED MOUNTING HEIGHTS.

LIGHT POLE BASE

NOT TO SCALE



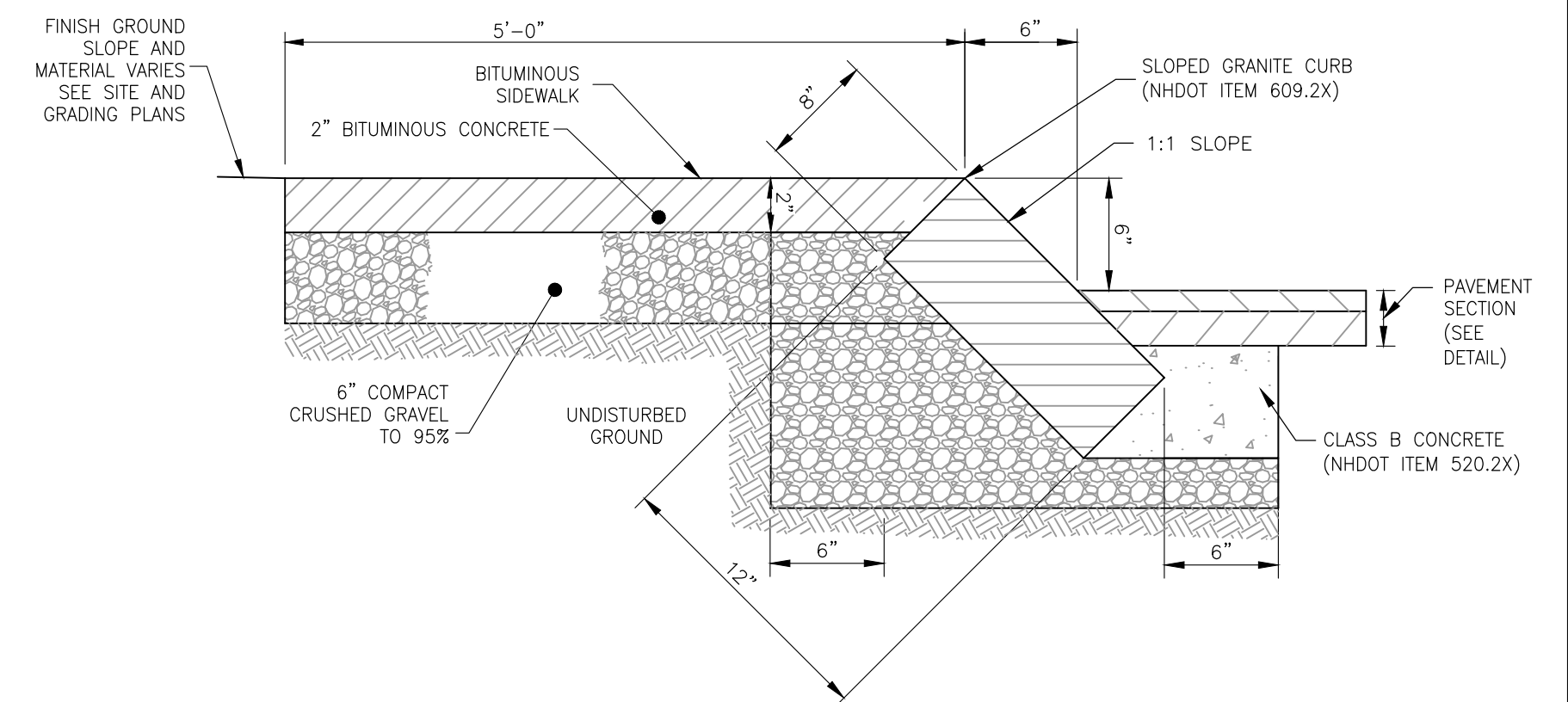
LENGTH: AS REQUIRED
 WEIGHT PER LINEAR FOOT: 2.50 LBS (MIN)
 HOLES: 3/8" DIAMETER, 1" C-C FULL LENGTH
 STEEL: SHALL CONFORM TO ASTM A-499 (GRADE 60) OR ASTM A-576 (GRADE 1070 - 1080)
 FINISH: SHALL BE PAINTED WITH 2 COATS OF AN APPROVED MEDIUM GREEN BAKED-ON OR AIR-DRIED PAINT OF WEATHER RESISTANT QUALITY. ALL FABRICATION SHALL BE COMPLETE BEFORE PAINTING.

NOTE:

- WHERE LEDGE APPLICATION EXISTS, DRILL & GROUT TO A MINIMUM OF 2'.

SIGN POST

NOT TO SCALE



SLOPED GRANITE CURB & BITUMINOUS SIDEWALK

NOT TO SCALE

TAX MAP 54 LOTS 5, 6 & 7 TAX MAP 63 LOT 205

DETAILS

EXETER ROSE FARM
FOREST STREET & OAK STREET EXTENSION
EXETER, NEW HAMPSHIRE, COUNTY OF ROCKINGHAM
BENJAMIN & JOAN DAGOSTINO REVOCABLE TRUST
 OWNED BY

EXETER ROSE FARM, LLC & BENJAMIN & JOAN DAGOSTINO REVOCABLE TRUSTS

AUGUST 15, 2017

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PLANNING BOARD FILE #17-27

APPROVED BY THE EXETER PLANNING BOARD

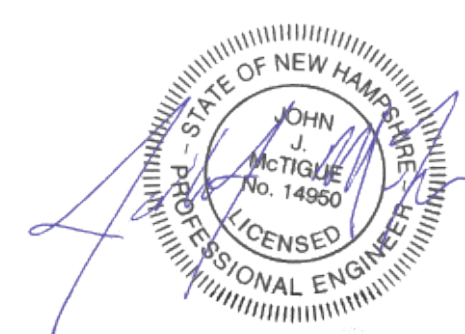
ON _____ AND
 CHAIRMAN: _____
 SECRETARY: _____



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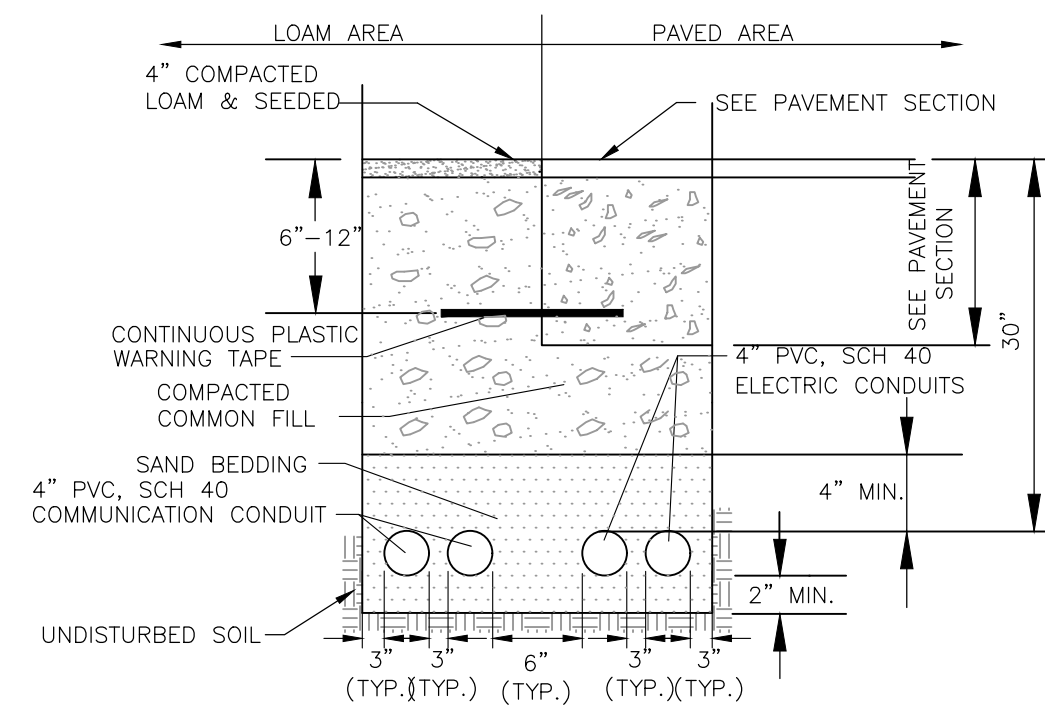
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1				



Civil Engineers
 Structural Engineers
 Traffic Engineers
 Land Surveyors
 Landscape Architects
 Scientists

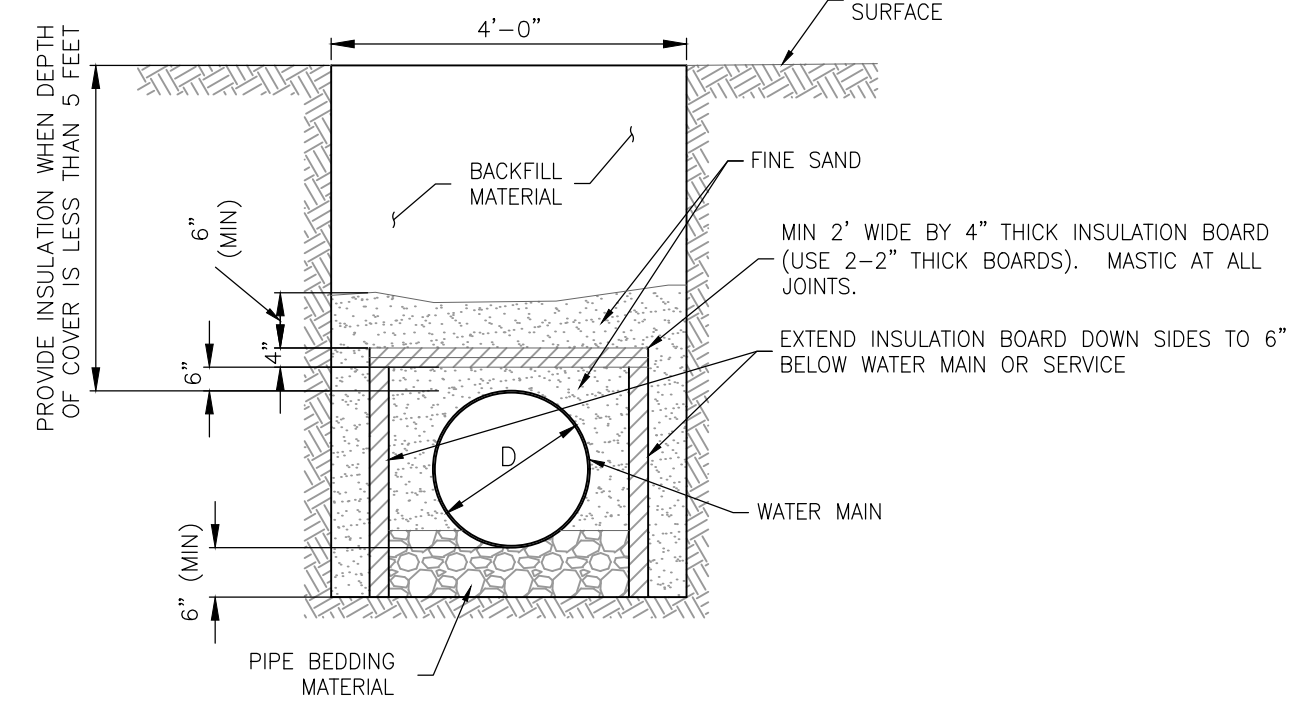
170 Commerce Way, Suite 102
 Portsmouth, NH 03801
 Phone (603) 431-2222
 Fax (603) 431-0910
 www.tfmoran.com

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		CK	JJM	CADFILE			
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						C-54	



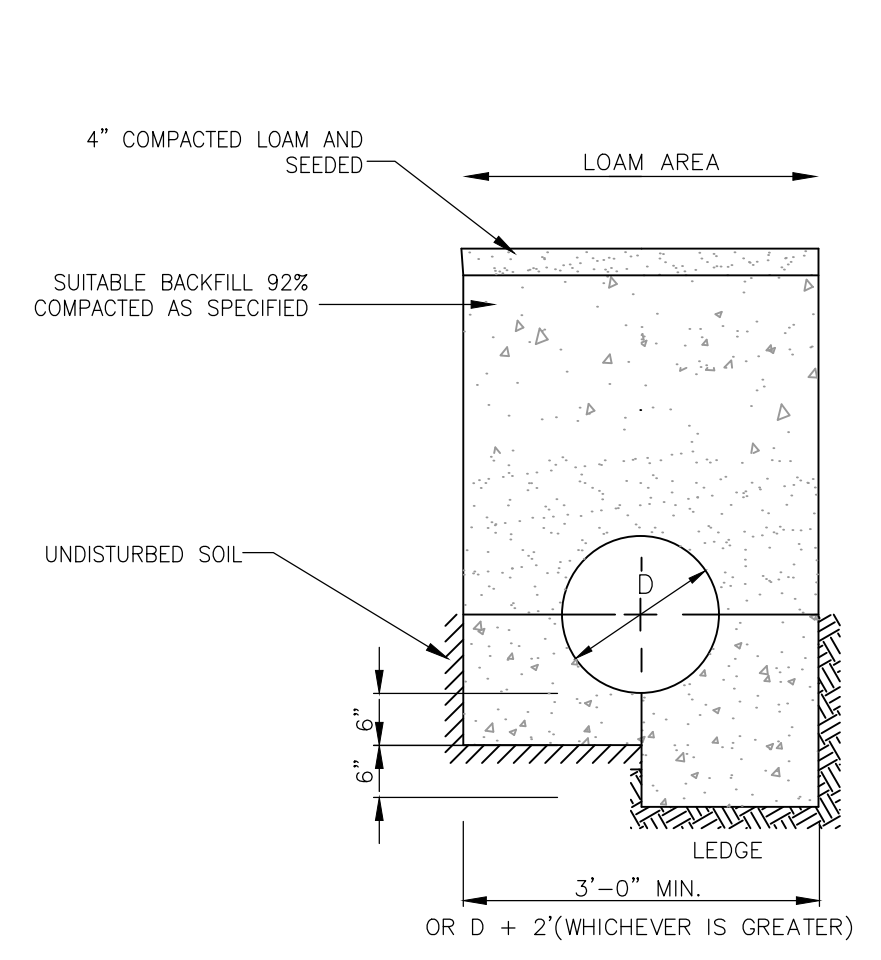
- NOTES:**
- ELECTRIC SERVICE INSTALLATION AND STANDARD DIMENSIONAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL CODES.
 - COMMUNICATION SERVICE INSTALLATION SHALL MEET ALL CONSTRUCTION REQUIREMENTS.
 - SEE UTILITIES PLAN OF NUMBER OF CONDUITS.

ELECTRIC/COMMUNICATIONS CONDUIT
NOT TO SCALE

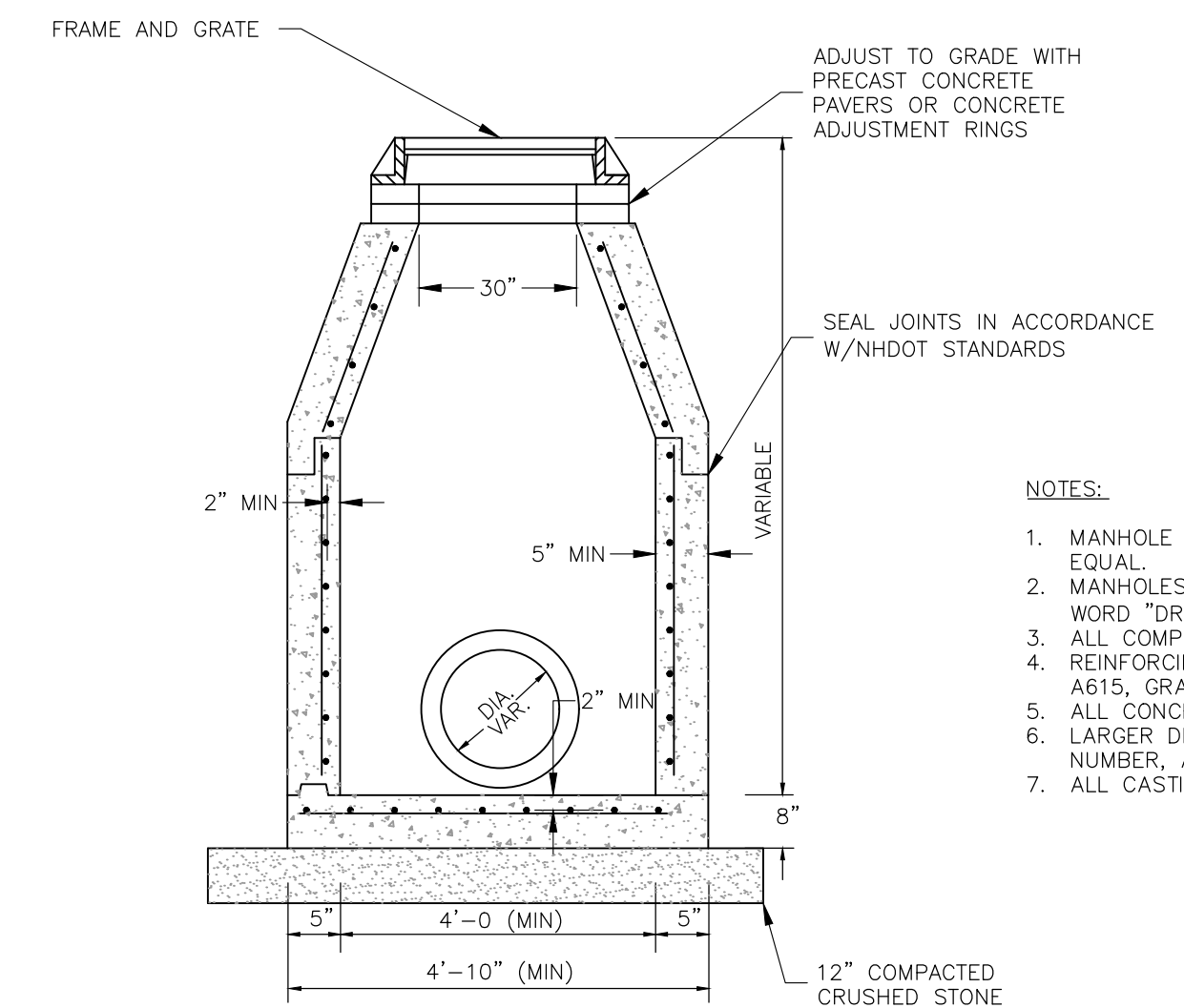


- NOTES:**
- INSULATION BOARD SHALL BE FOAMULAR® 250 RIGID FOAM INSULATION BY OWENS CORNING OR APPROVED EQUAL, 2" THICK.
 - BACKFILL MATERIAL AROUND INSULATION MUST BE FINE SAND FREE FROM ROOTS, ORGANIC MATTER, OR OTHER DELETERIOUS MATERIALS.
 - OVERLAP ALL INSULATION BOARD JOINTS.
 - SEE WATER MAIN TRENCH DETAIL FOR ADDITIONAL INFORMATION.

WATER MAIN TRENCH INSULATION DETAIL
NOT TO SCALE

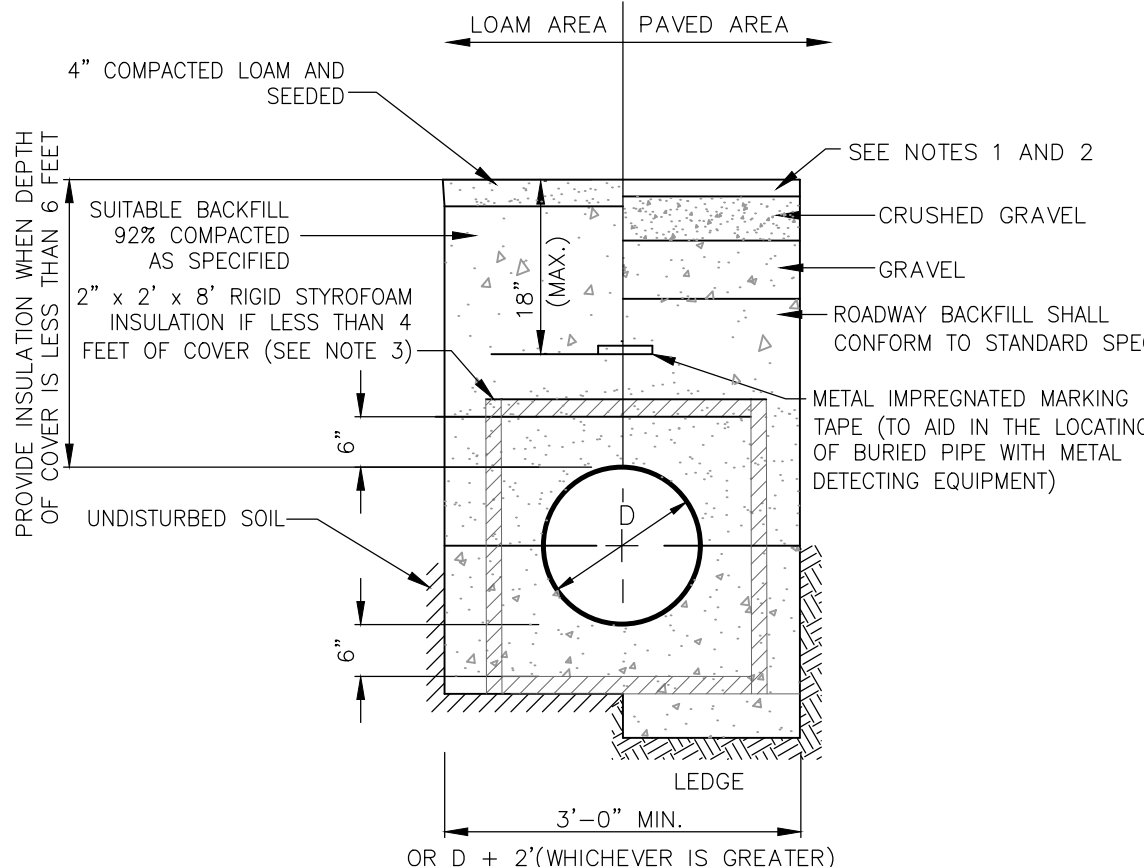


TRENCH FOR DRAIN LINE
NOT TO SCALE



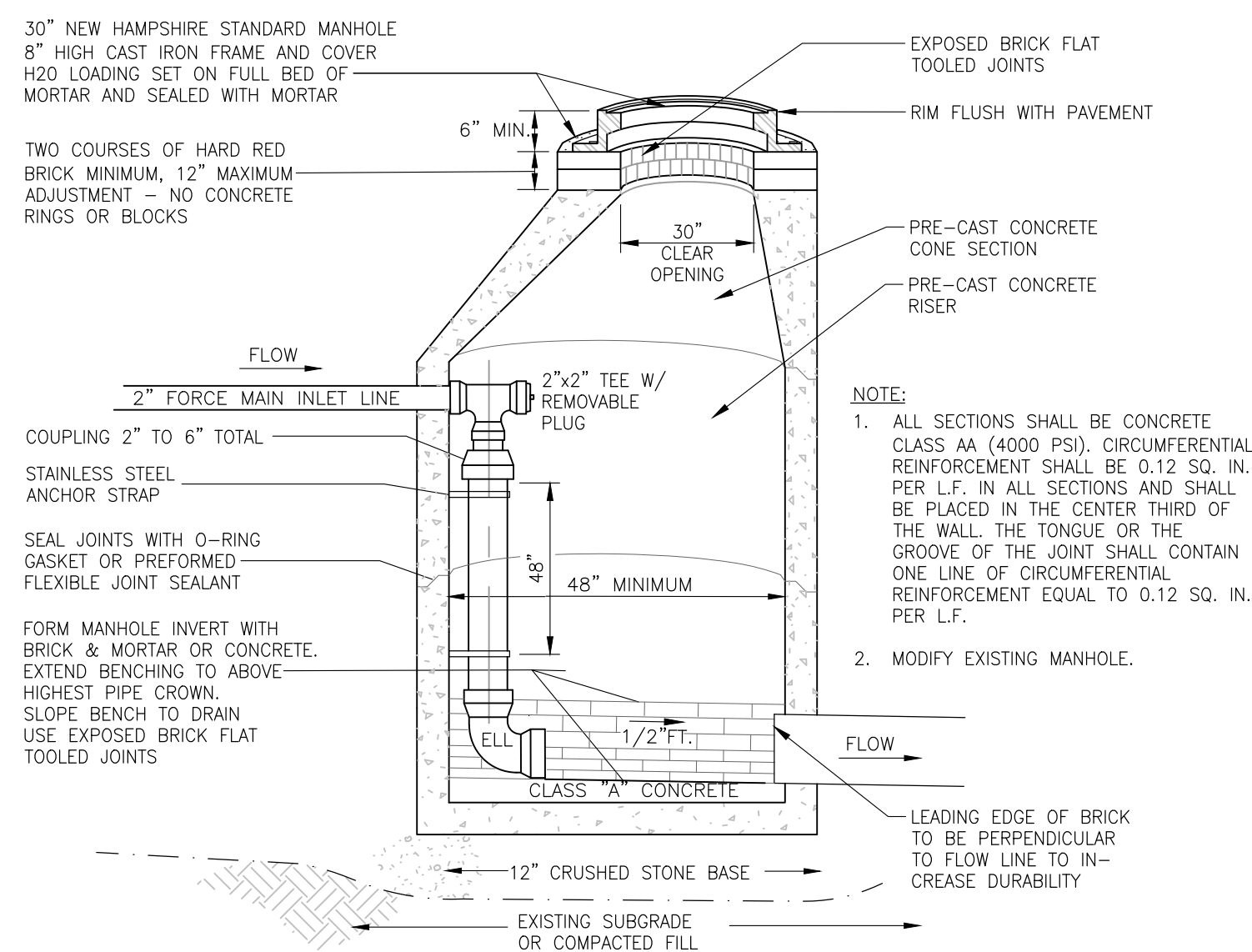
- NOTES:**
- MANHOLE FRAME & COVER: SHALL BE NEENAH R-1653A OR APPROVED EQUAL.
 - MANHOLES SHALL MEET NHDOT SPECIFICATIONS AND SHALL HAVE THE WORD "DRAIN" STAMPED ON THE COVER.
 - ALL COMPONENTS SHALL BE DESIGNED FOR HS-20 LOADING.
 - REINFORCING SHALL CONFORM TO ASTM 185 OR ASTM 1497 & ASTM A615, GRADE 60.
 - ALL CONCRETE SHALL BE NHDOT CLASS A.
 - LARGER DIAMETER STRUCTURES SHALL BE USED AS REQUIRED DUE TO NUMBER, ANGLE OR SIZE OF PIPES AT THE STRUCTURE.
 - ALL CASTINGS SHALL BE MADE IN THE USA.

DRAIN MANHOLE
NOT TO SCALE

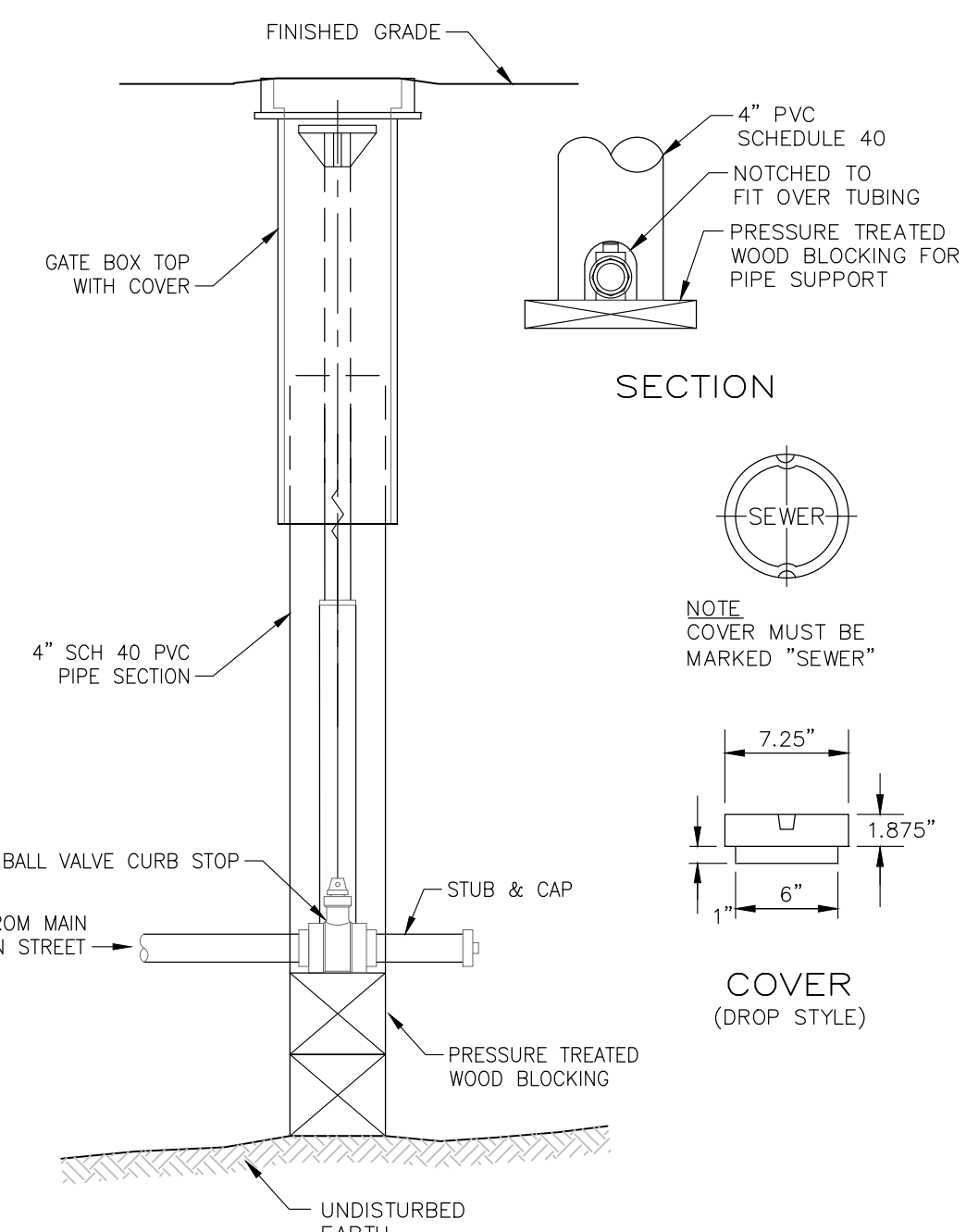


- NOTES:**
- PAVEMENT REPAIR IN EXISTING ROADWAYS SHALL CONFORM TO STREET OPENING REGULATIONS.
 - NEW ROADWAY CONSTRUCTION SHALL CONFORM TO SUBDIVISION SPEC'S.
 - GAPS BETWEEN SECTIONS OF INSULATION TO BE COVERED WITH 2" x 2" x 2" PIECE OF INSULATION CENTERED OVER GAP.
 - REFER TO SEWER MAHOLE NOTES FOR SPECS IN REGARDS TO PIPE TRENCH BEDDING MATERIAL, PIPE BLANKET MATERIAL, TRENCH BACKFILL MATERIAL, AND BACKFILL IN CROSS COUNTRY LOCATIONS.
 - FORCE MAINS AND PRESSURE SEWERS SHALL BE TESTED IN ACCORDANCE WITH SECTION 5 OF THE AWWA C600, "INSTALLATION OF CAST IRON WATER MAINS AND THEIR APPURTENANCES" STANDARD IN EFFECT WHEN THE TEST IS CONDUCTED, AVAILABLE AS NOTED IN APPENDIX D (ENV-WQ 700), AT A PRESSURE EQUAL TO THE GREATER OF 150 PERCENT OF THE DESIGN OPERATING TOTAL DYNAMIC HEAD OR AT LEAST 100 PSI.

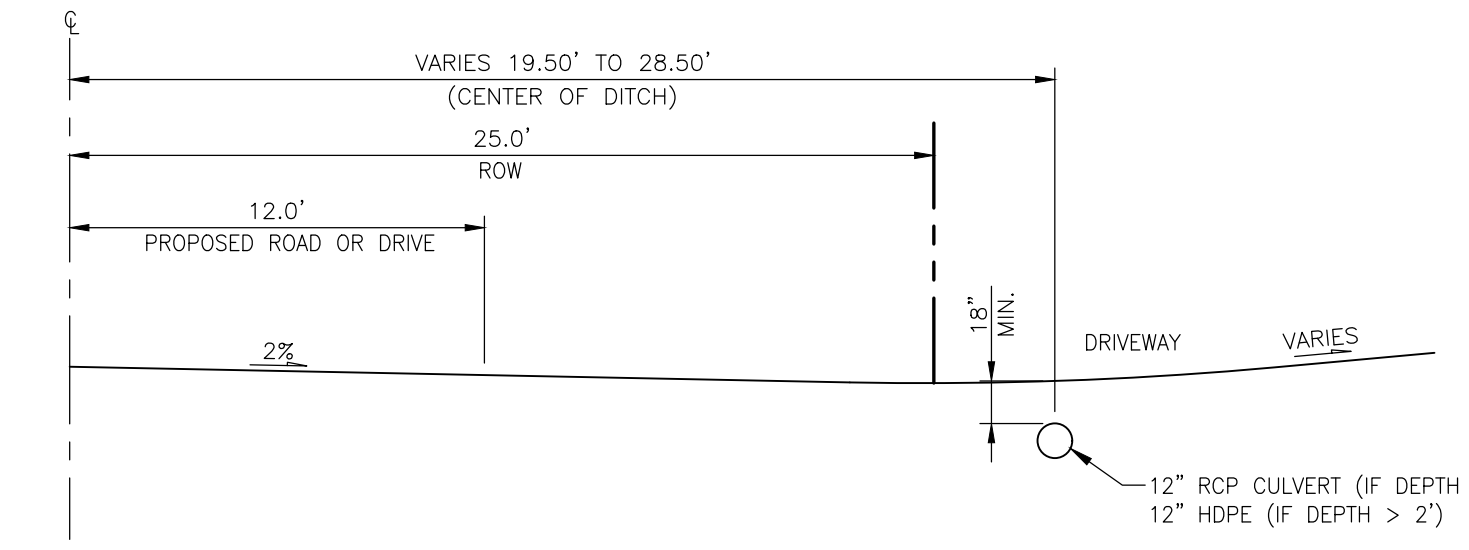
SEWER TRENCH WITH OPTIONAL INSULATION
NOT TO SCALE



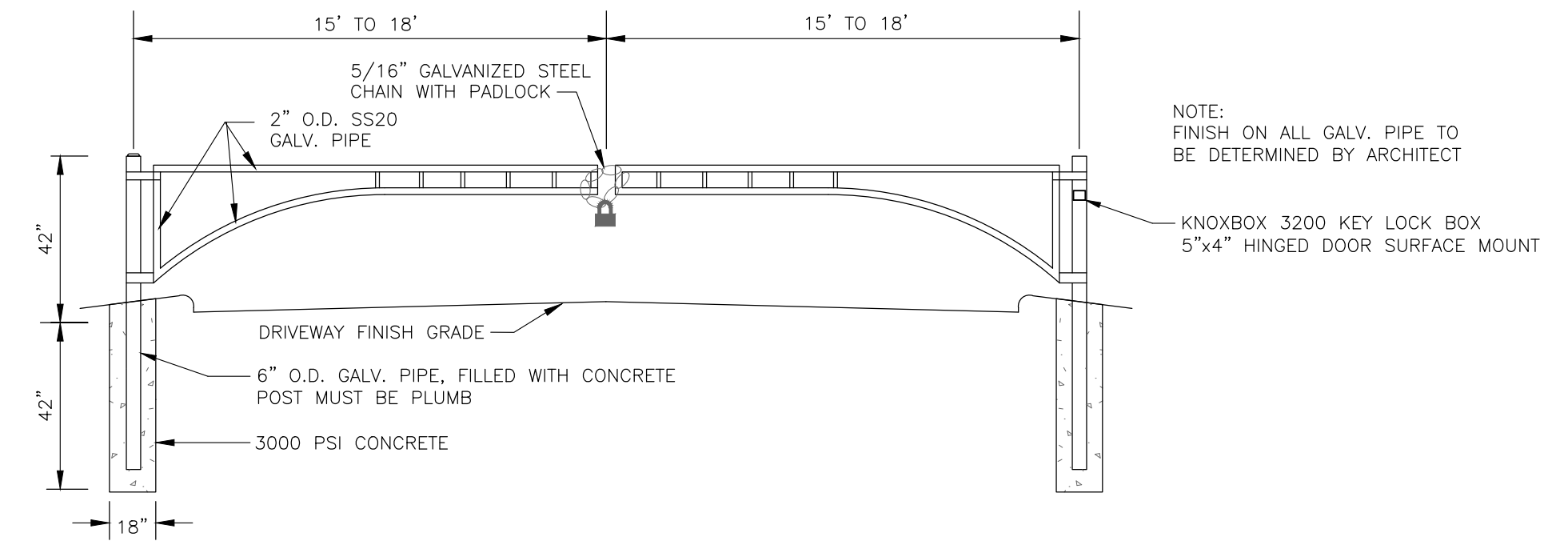
FORCE MAIN DROP CONNECTION AT ROSE FARM LANE AND FOREST STREET INTERSECTION
NOT TO SCALE



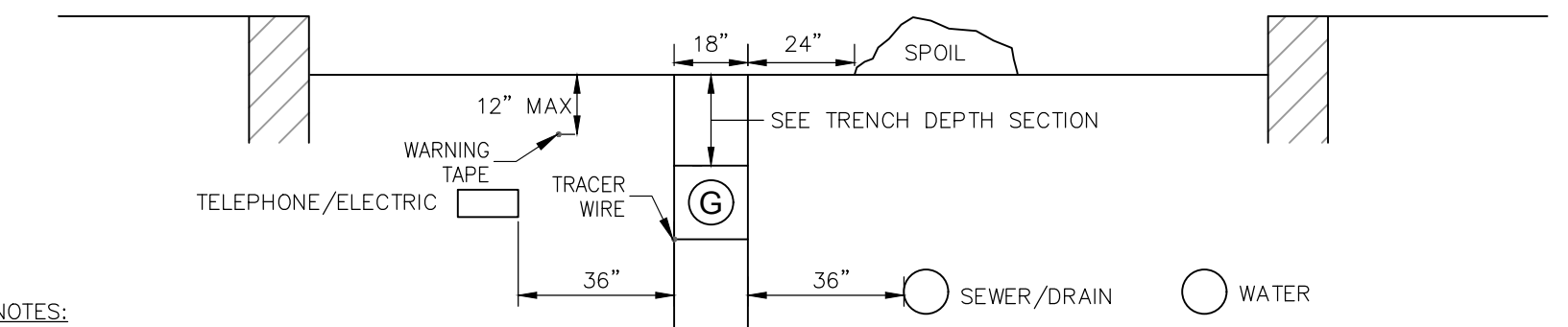
FORCE MAIN CURB STOP
NOT TO SCALE



TYPICAL DRIVEWAY CULVERT DETAIL
NOT TO SCALE



BARRIER GATE
NOT TO SCALE



- NOTES:**
- MAINS-THE TRENCH SHALL BE DEEP ENOUGH TO PROVIDE 36" OF COVER FROM FINISHED GRADE TO TOP OF MAIN. FOR ALL SERVICES AND GAS MAINS, ON PRIVATE PROPERTY, 24" OF COVER IS REQUIRED.
 - THE TRENCH SHALL BE AT LEAST 18" WIDE. THE SPOIL SHOULD BE AT LEAST 24" FROM EDGE OF TRENCH.
 - THE TRENCH SHALL BE LAID OUT SO AS TO PROVIDE A MINIMUM OFFSET OF 36" FROM OTHER UTILITIES, WHERE PRACTICAL, GAS MAINS SHOULD BE ON THE OPPOSITE SIDE OF THE STREET FROM THE WATER MAIN.
 - THE NATURAL BOTTOM OF THE TRENCH SHALL BE PADDED WITH 4" OF SAND ON BOTTOM AND 6" OF SAND ON TOP. ALSO, SUFFICIENT SAND MUST BE PROVIDED FOR A MINIMUM OF 6" OF COVER ABOVE THE MAIN. SAND SHALL BE PROVIDED BY EXCAVATOR AND MUST BE ON SITE PRIOR TO INSTALLATION OF PIPE.
 - NO TRENCHING SHALL BE STARTED UNTIL AN ON SITE MEETING HAS BEEN HELD BETWEEN EXCAVATING CONTRACTOR AND UNITIL PERSONNEL. PRIOR TO THE MEETING, THE CONTRACTOR MUST NOTIFY DIG SAFE OF THE PROPOSED WORK. THE ROUTE OF TRENCH AND TENTATIVE START DATE SHALL BE CONFIRMED AT THE MEETING.
 - IF WORK TAKES PLACE OUTSIDE OF APRIL THROUGH NOVEMBER OFF SITE TIE-INS ON CITY STREETS SHALL BE DONE SUBJECT TO UNITIL CREW AVAILABILITY AND ISSUANCE OF REQUIRED PERMITS.
 - ONCE UNITIL HAS INSTALLED THE MAIN AND SERVICES, CONTRACTOR WILL COVER THE PIPE WITH 6" OF SAND AND INSTALL THE TRACING WIRE AND WARNING TAPE PRIOR TO BACKFILLING. THE EXCAVATING CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER COMPACTING OF THE TRENCH AND MAINTAINING ALL SURFACE (VALVE) BOXES PRIOR TO AND DURING ON-SITE PAVING.

UNITIL GAS MAIN
NOT TO SCALE

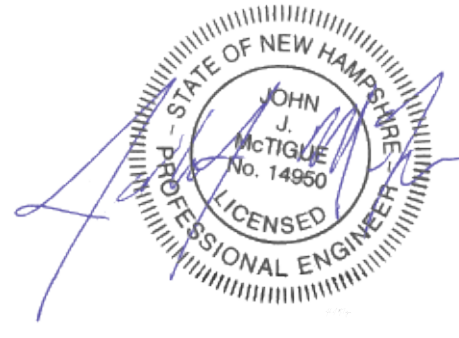
PLANNING BOARD FILE #17-27

APPROVED BY THE EXETER PLANNING BOARD

ON _____ AND
CHAIRMAN: _____
SECRETARY: _____



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CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION



TAX MAP 54 LOTS 5, 6 & 7 TAX MAP 63 LOT 205
DETAILS
EXETER ROSE FARM
FOREST STREET & OAK STREET EXTENSION
EXETER, NEW HAMPSHIRE, COUNTY OF ROCKINGHAM
BENJAMIN & JOAN DAGOSTINO REVOCABLE TRUST
OWNED BY
EXETER ROSE FARM, LLC & BENJAMIN & JOAN DAGOSTINO REVOCABLE TRUSTS
AUGUST 15, 2017

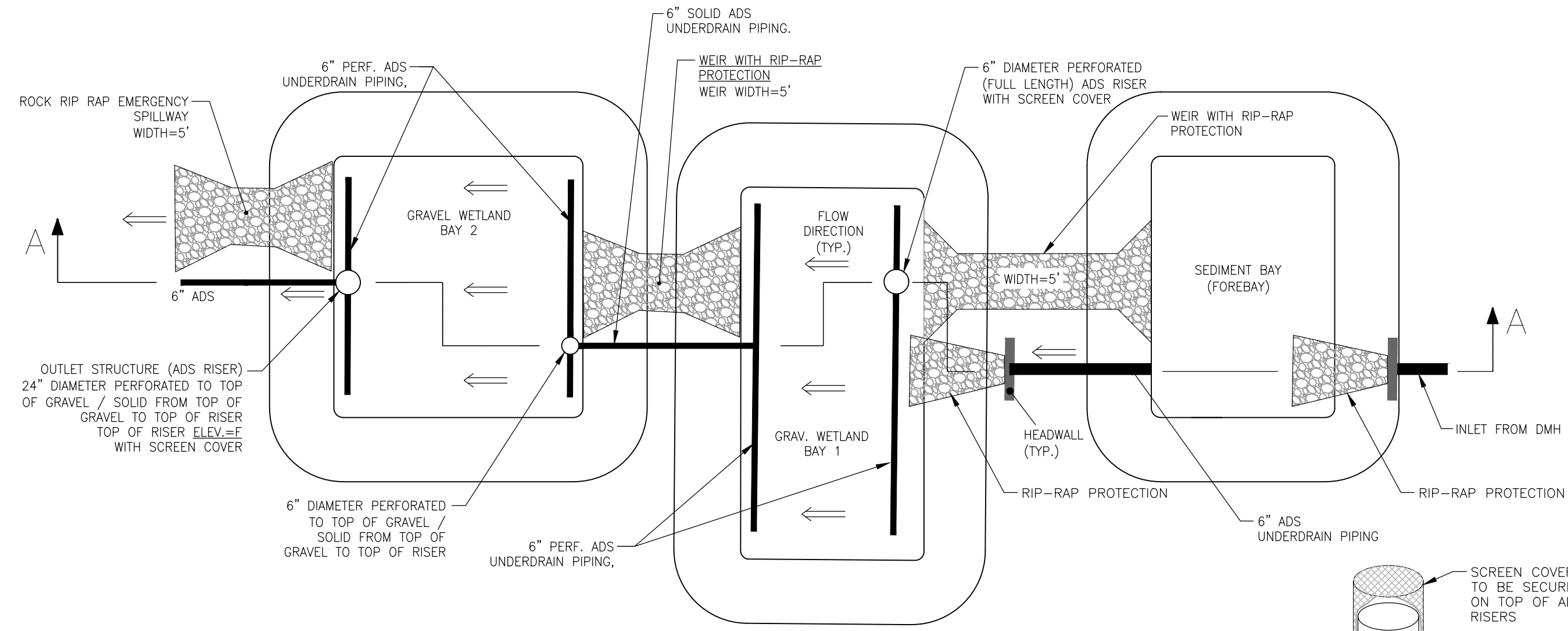
REV.	DATE	DESCRIPTION	DR	CK
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8	11/26/18	REVISED PER PLANNING BOARD COMMENTS	ETP	JUM
7	11/05/18	REVISED PER PLANNING BOARD COMMENTS	ETP	JUM
6	10/01/18	REVISED PER PLANNING BOARD COMMENTS	ETP	JUM
5	8/31/18	REVISED PER TRC COMMENTS	ETP	JUM
4	7/10/18	REVISED PER PLANNING BOARD COMMENTS	ETP	JUM
3	2/20/18	REVISED PER REVIEW COMMENTS	ETP	JUM
2	10/31/17	REVISED PER DESIGN REVIEW COMMENTS	ETP	JUM



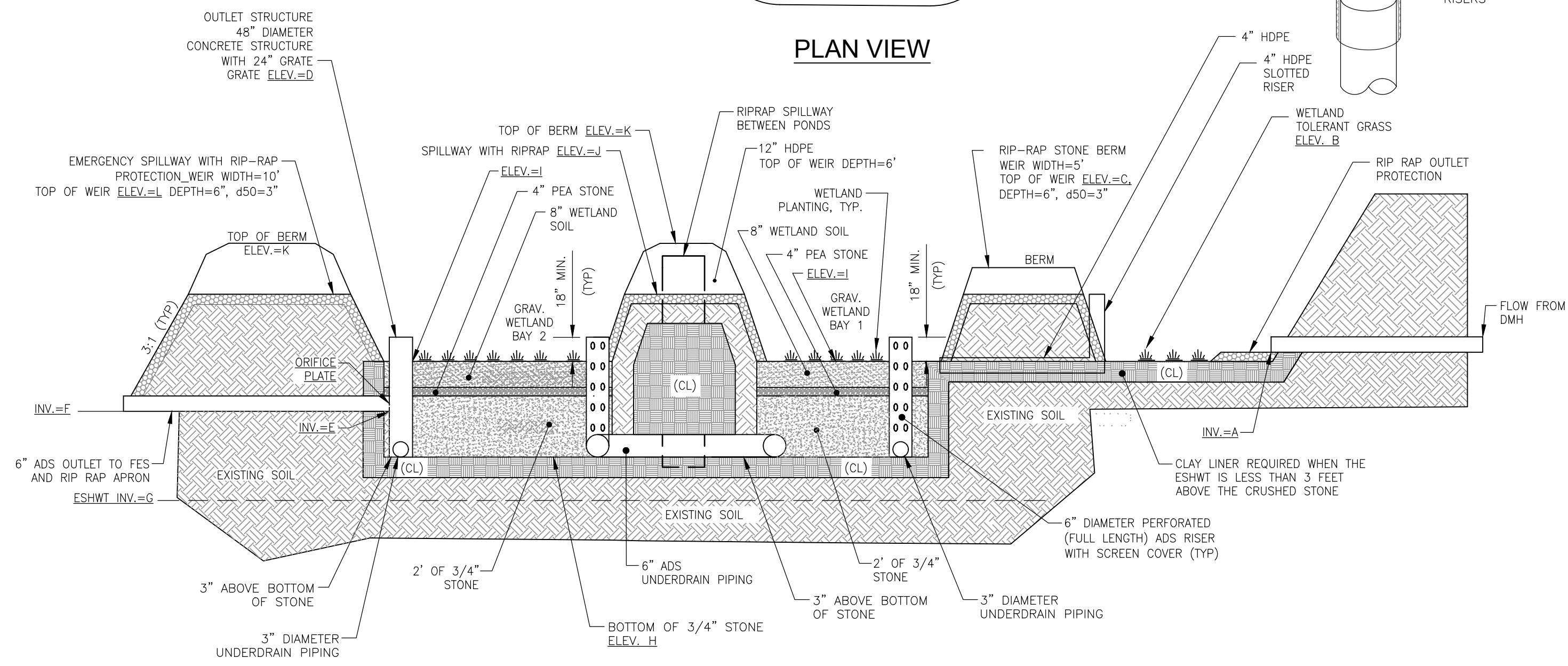
Civil Engineers
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		CK	JJM	CADFILE	Details.dwg	C-55

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PLAN VIEW



SECTION A-A

ELEVATION TABLE						
INV. ID	DESCRIPTION	LP-1A&B	LP-2A	LP-2B	LP-3A&B	LP-4A&B
FOREBAY						
A	INV. IN	36.05	17.38	N/A	10.05	20.05
B	BOTTOM	32.00	16.00	N/A	10.00	18.00
C	WEIR	34.00	18.00	N/A	10.00	20.00
OUTLET STRUCTURE						
D	GRATE	33.75	17.00	13.00	10.0	20.00
E	INV. OUT (ORIFICE)	31.23 (31.33-0.5\"	15.33 (15.43-0.7\"	10.33 (10.43-0.7\"	7.33 (7.43-0.5\"	17.0 (17.33-0.5\"
F	PIPE OUTLET	30.30	N/A	9.80	7.05	16.80
LENGTH*	PIPE LENGTH	30.00	N/A	24.00	38.00	43.00
BAYS						
G	ESHWT	33.20	22.10	13.60	N/A	22.20
H	BOT. OF STONE	29.00	13.00	8.00	5.00	15.00
I	BOT. OF BAYS	32.00	16.00	11.00	8.00	18.00
J	SPLLYW BTW BAYS	34.00	18.00	N/A	10.00	20.00
K	TO OF BERM	35.00	19.00	14.00	11.00	21.00
L	EMERGENCY OUTLT	34.50	N/A	13.50	10.50	20.50
MULTI-LEVEL BAYS						
M	INV OUT BAY-A	N/A	15.33	N/A	N/A	N/A
N	INV IN BAY-2	N/A	8.25	N/A	N/A	N/A
O	BOT. OF SPLLYW	N/A	13.50	N/A	N/A	N/A

NOTE:
1. GRAVEL WETLAND #2 HAS PONDS BUILT ON TWO ELEVATIONS. 2A REPRESENTS THE FIRST POND IN SERIES, POND 2B REPRESENTS THE SECOND POND IN SERIES.
2. WETMIX. APPLICATION RATE:

PLANNING BOARD FILE #17-27

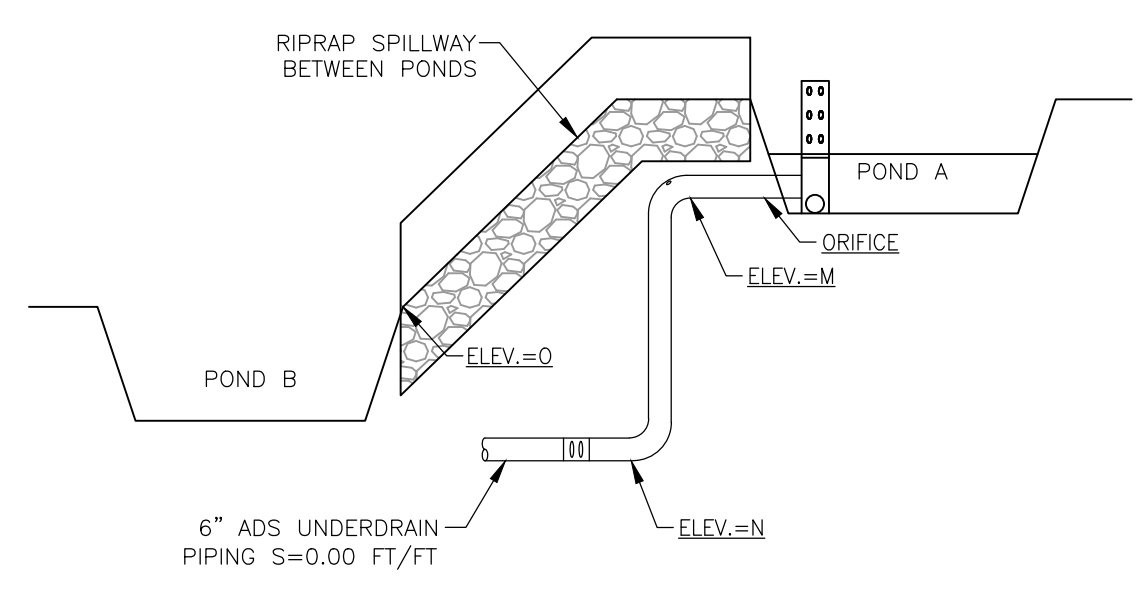
APPROVED BY THE EXETER PLANNING BOARD

ON _____ AND
CHAIRMAN: _____
SECRETARY: _____

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CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION



MULTI-LEVEL OUTLET STRUCTURE

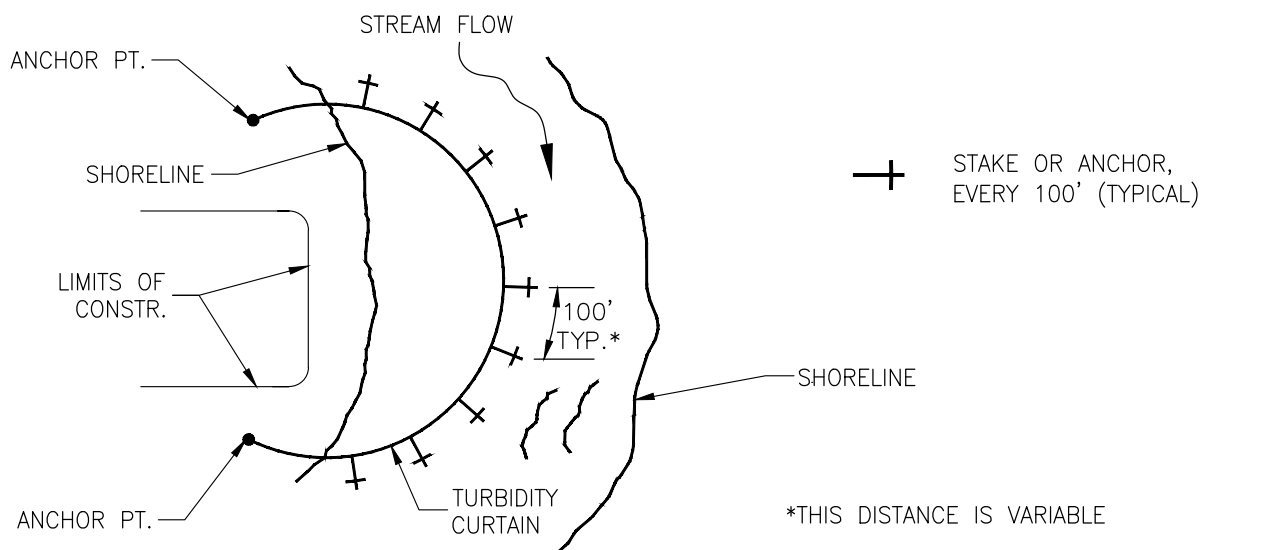
MATERIALS
ORGANIC GRANULAR SOIL: THE ORGANIC GRANULAR SOIL MATERIAL SHALL BE FREE FROM REFUSE, FOREIGN MATERIALS, ROOTS, HARD DIRT, STIFF CLAY, COBBLES, MATERIALS DELETERIOUS TO PLANT GROWTH, OR OTHERS WHICH WILL PREVENT THE FORMULATION OF A UNIFORM MIXTURE WHEN BLENDED WITH PULVERIZED, WELL COMPOSTED LEAF MULCH OR ROTTED MANURE. THE PH OF THE BLENDED MATERIAL SHALL NOT BE LESS THAN 6.0 AND NOT GREATER THAN 7.0. ANY BLENDED MATERIAL THAT IS STOCKPILED ON SITE SHALL BE LOCATED HIGH AND DRY, OUTSIDE OF THE STREAM CHANNEL AND POND BASIN, PROTECTED FROM PRECIPITATION, AND PREVENTED FROM MINGLING WITH STORM WATER RUNOFF.
GRANULAR SOIL SHALL BE GUARANTEED CLEAN FILL MATERIAL OBTAINED FROM A COMMERCIAL SAND AND GRAVEL PIT, NOT ORIGINATING FROM RECONSTITUTED OR RECYCLED PAVEMENT MATERIALS. THE GRANULAR SOIL PORTION SHALL CONSTITUTE 80 TO 85 PERCENT OF THE MIXTURE, AND SHALL HAVE THE FOLLOWING GRADATION:
SIEVE SIZE % PASSING BY WEIGHT
NO. 10 100%
NO. 40 85-100%
NO. 60 40-100%
NO. 200 5-10%
THE ORGANIC PORTION SHALL CONSTITUTE 15-20% OF THE MIXTURE, AND BE COMPRISED OF WELL PULVERIZED AND COMPOSTED LEAF MULCH OR ROTTED MANURE.
THE CONTRACTOR SHALL BLEND THE ORGANIC PORTION WITH THE GRANULAR PORTION UNDER DRY CONDITIONS TO PRODUCE A HOMOGENOUS MIXTURE. ANY REQUIRED TESTING OF THE SOIL MATERIALS SHALL BE CONDUCTED AT THE CONTRACTORS EXPENSE.
PROVIDE 1 FOOT DEEP CLAY LINER (CL) USING NATURAL CLAY FOR SEDIMENT FOREBAY AND FOR GRAVEL WETLAND BAYS.
A 30MIL HDPE LINER MAY BE USED IN PLACE OF CLAY LINER.

INSPECTION AND MAINTENANCE.
FOREBAYS: INSPECT FOREBAYS FOR SEDIMENT ACCUMULATION TWICE PER YEAR MINIMUM AND REMOVE WHEN LEVEL REACHES 4 INCHES OR MORE. INSPECT FOR AND REMOVE ACCUMULATED DEBRIS TWICE PER YEAR MINIMUM. MOW FOREBAY SIDES AND BOTTOM WEEKLY TO PREVENT WOODY GROWTH AND PROMOTE GRASS GROWTH.
WETLANDS: INSPECT WETLANDS FOR AREAS OF DEAD OR STRESSED WETLAND GRASSES, REEDS, HERBACEOUS PLANTS, OR SHRUBS A MINIMUM OF TWICE PER YEAR AND REPLANT AS NECESSARY. MOW GRASSSED SIDESLOPES ON A REGULAR BASIS TO KEEP HEIGHT OF VEGETATION BELOW 4 INCHES. INSPECT FOR AND REMOVE ACCUMULATED DEBRIS TWICE PER YEAR MINIMUM.
DESIGN LIFE: FOLLOWING THE MINIMAL MAINTENANCE PROCEDURES ABOVE, STUDIES CONDUCTED AT UNH INDICATE THE SYSTEM WILL CONTINUE TO DEVELOP INTO A HEALTHY DIVERSE WETLAND WITH NO QUANTIFIABLE DESIGN LIFE EXTENT.

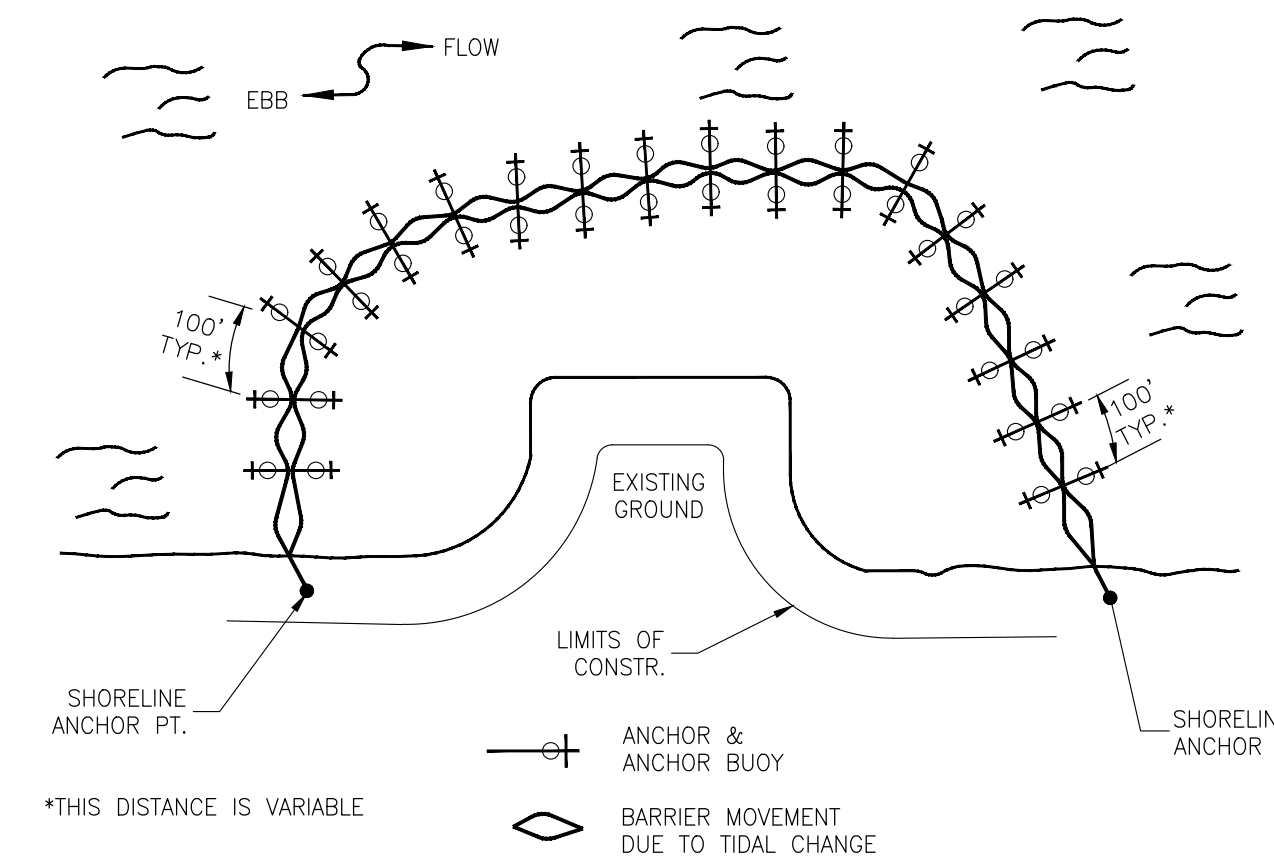
TYPICAL GRAVEL WETLAND

NOT TO SCALE

TYPICAL LAYOUTS:
STREAMS, PONDS & LAKES (PROTECTED & NON-TIDAL)

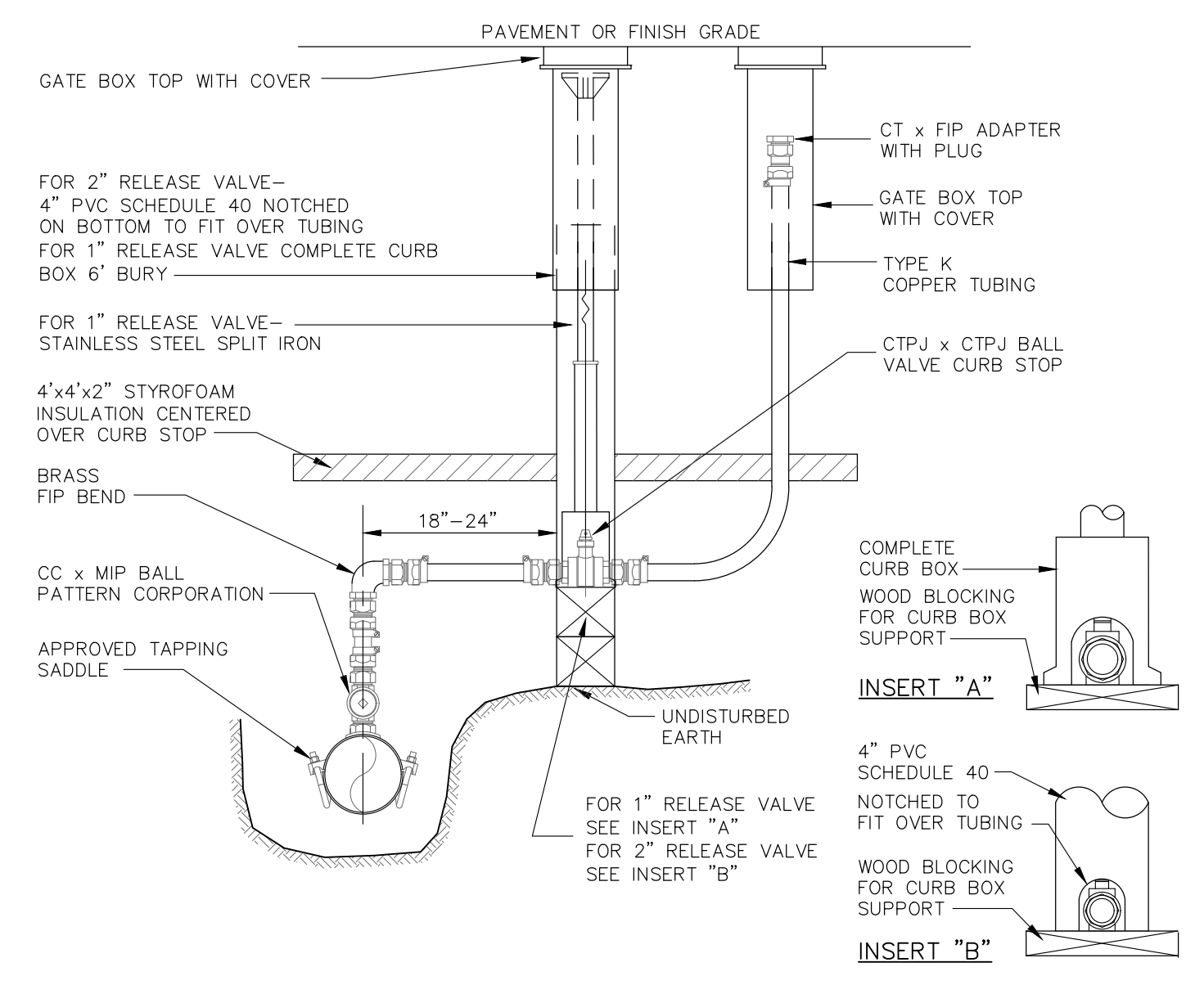


TIDAL WATERS AND/OR HEAVY WIND & WAVE ACTION



TURBIDITY CURTAIN

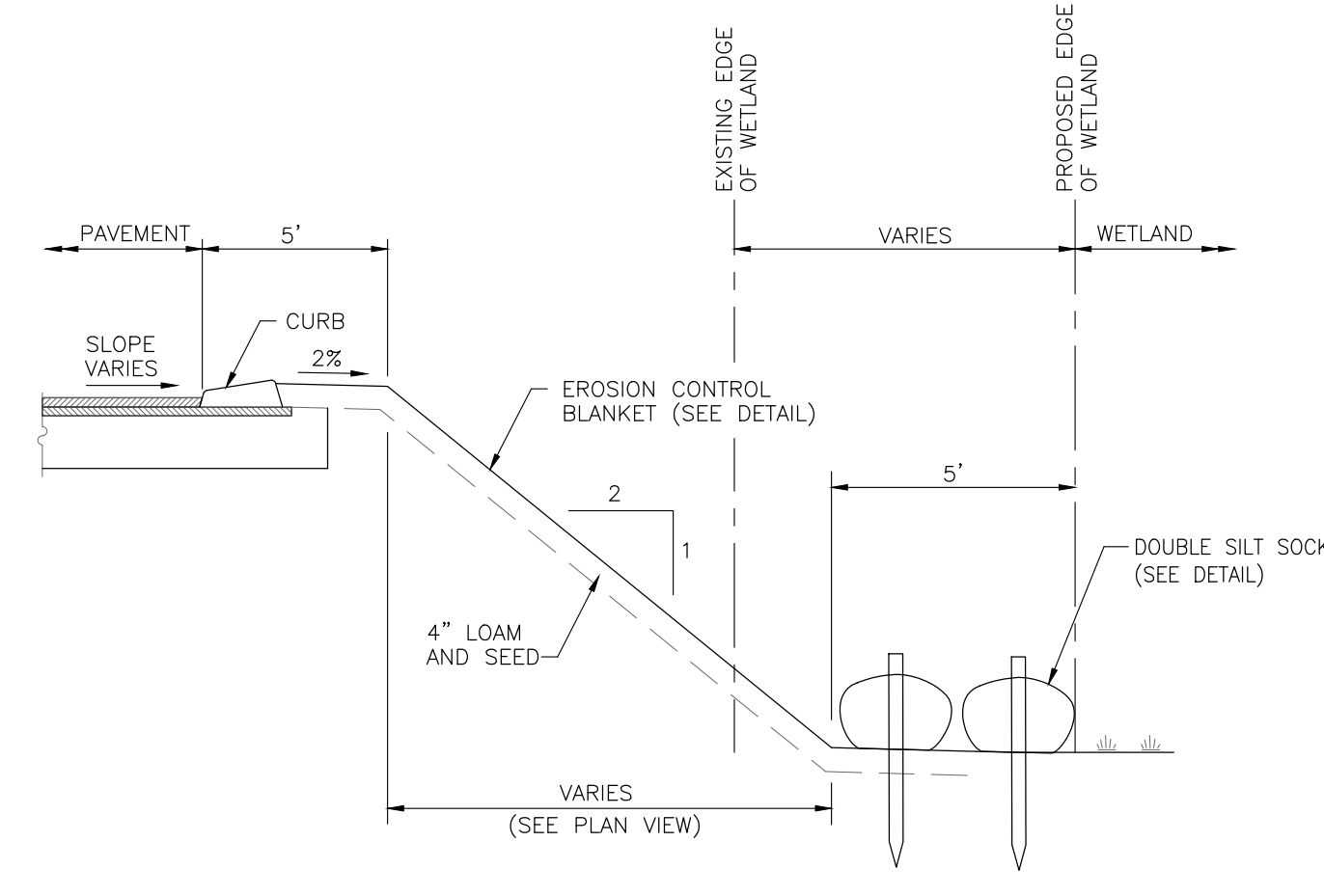
NOT TO SCALE



WATER AIR RELEASE VALVE

NOT TO SCALE

NOTE:
1. ALL MATERIALS AND INSTALLATION PROCEDURES WILL CONFORM TO D.P.W. TECHNICAL SPECIFICATIONS.



SLOPE STABILIZATION ADJACENT TO WETLANDS

FOR EROSION CONTROL

NOT TO SCALE

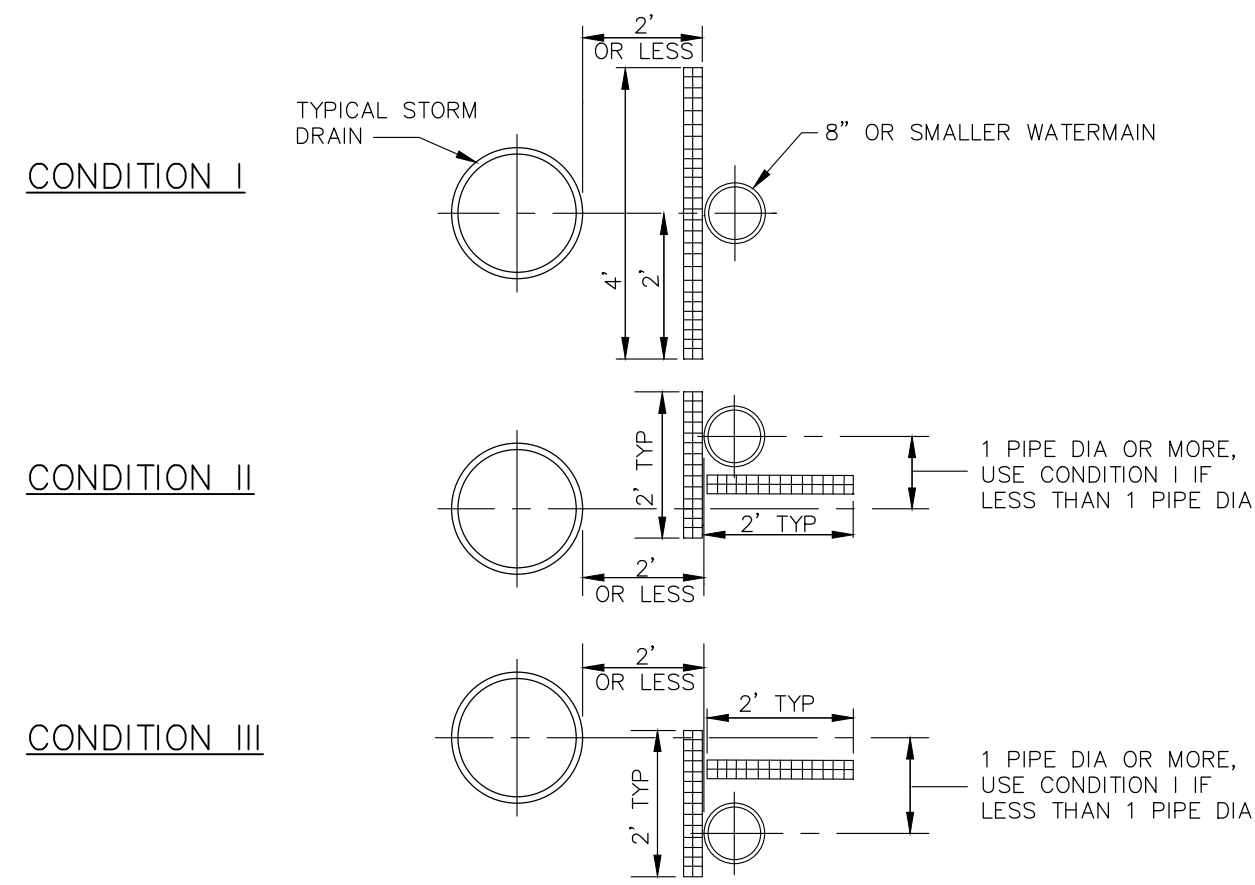
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7	11/05/18	REVISED PER PLANNING BOARD COMMENTS	ETP	JUM
6	10/01/18	REVISED PER PLANNING BOARD COMMENTS	ETP	JUM
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3	2/20/18	REVISED PER REVIEW COMMENTS	ETP	JUM
2	10/31/17	REVISED PER DESIGN REVIEW COMMENTS	ETP	JUM

TAX MAP 54 LOTS 5, 6 & 7 TAX MAP 63 LOT 205
DETAILS
EXETER ROSE FARM
FOREST STREET & OAK STREET EXTENSION
EXETER, NEW HAMPSHIRE, COUNTY OF ROCKINGHAM
BENJAMIN & JOAN DAGOSTINO REVOCABLE TRUST
OWNED BY
EXETER ROSE FARM, LLC & BENJAMIN & JOAN DAGOSTINO REVOCABLE TRUSTS
AUGUST 15, 2017

TFM **MSC**
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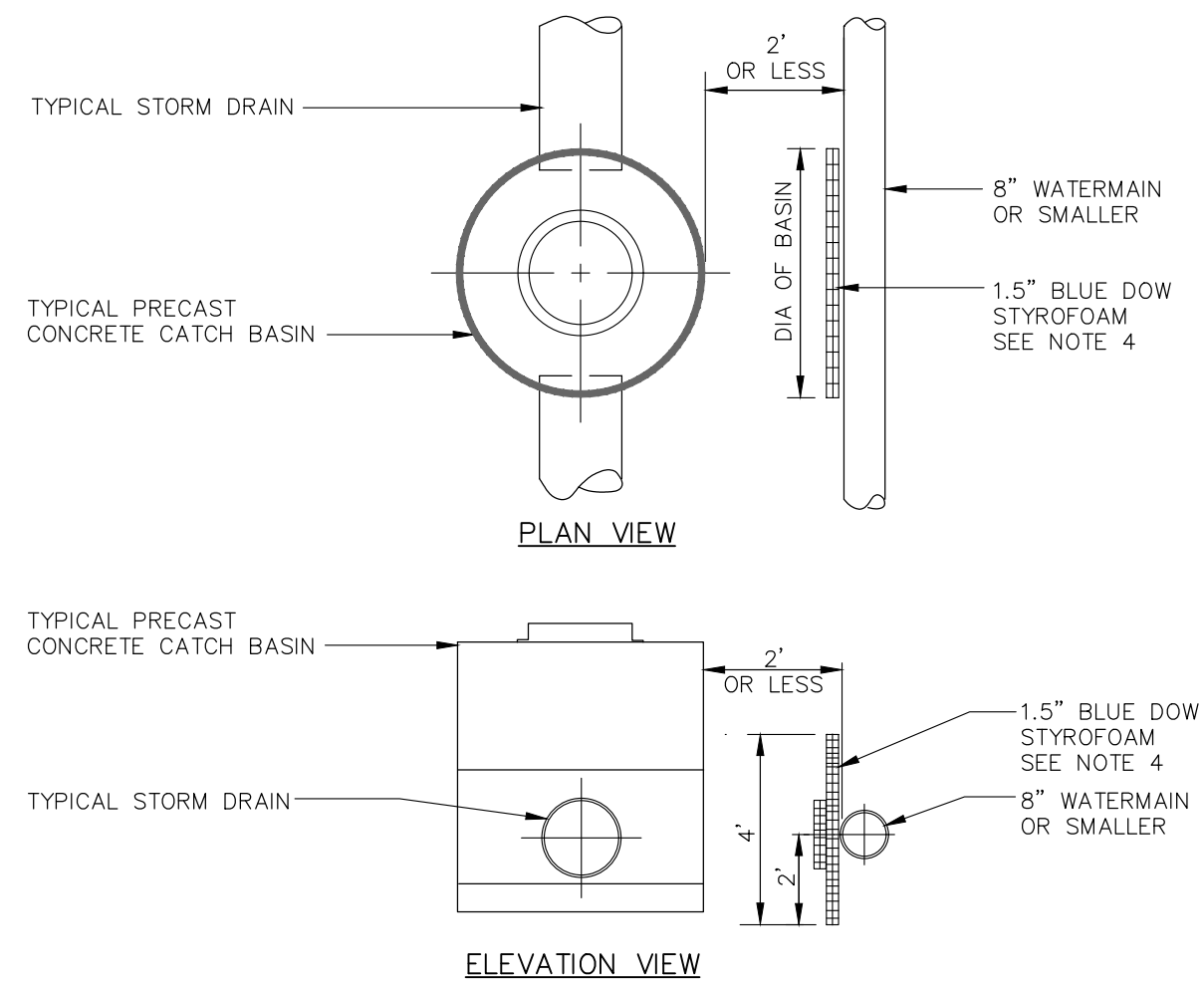
Sep 10, 2021 - 4:58pm F:\MSC\Projects\47175 - Oak Street Extension - Exeter\47175-00 - Baker Properties\47175-00_C3D\Design\Production Drawings\Open Space\47175-00_C-52-68_Details.dwg



- NOTES:**
1. ALL MATERIALS AND INSTALLATION PROCEDURES WILL CONFORM TO D.P.W. TECHNICAL SPECIFICATIONS.
 2. ALL PIPE SHOULD HAVE A MINIMUM DEPTH OF 5' FROM TOP OF PIPE TO FINISH GRADE.
 3. D.P.W., INC. RESERVES THE RIGHT TO MODIFY INSULATION REQUIREMENTS AS NECESSARY BASED ON FIELD CONDITIONS, ETC.
 4. INSULATION TO BE RUN HORIZONTALLY AS LONG AS CONDITIONS I, II, OR III ABOVE EXIST. ALL BUTT JOINT SEAMS TO BE OVERLAPPED WITH 1' PIECE OF INSULATION CENTERED OVER SEAM.
 5. [Symbol] = 1.5" (MIN) BLUE DOW STYROFOAM

INSULATION AT STORM DRAIN AND WATER MAIN PARALLEL RUNS

NOT TO SCALE



- NOTES:**
1. ALL MATERIALS AND INSTALLATION PROCEDURES WILL CONFORM TO D.P.W. TECHNICAL SPECIFICATIONS.
 2. ALL PIPE SHOULD HAVE A MINIMUM DEPTH OF 5' FROM TOP OF PIPE TO FINISH GRADE.
 3. D.P.W., INC. RESERVES THE RIGHT TO MODIFY INSULATION REQUIREMENTS AS NECESSARY BASED ON FIELD CONDITIONS, ETC.
 4. ALL BUTT JOINT SEAMS TO BE OVERLAPPED WITH 1' PIECE OF INSULATION CENTERED OVER SEAM.

INSULATION AT CATCH BASIN

NOT TO SCALE

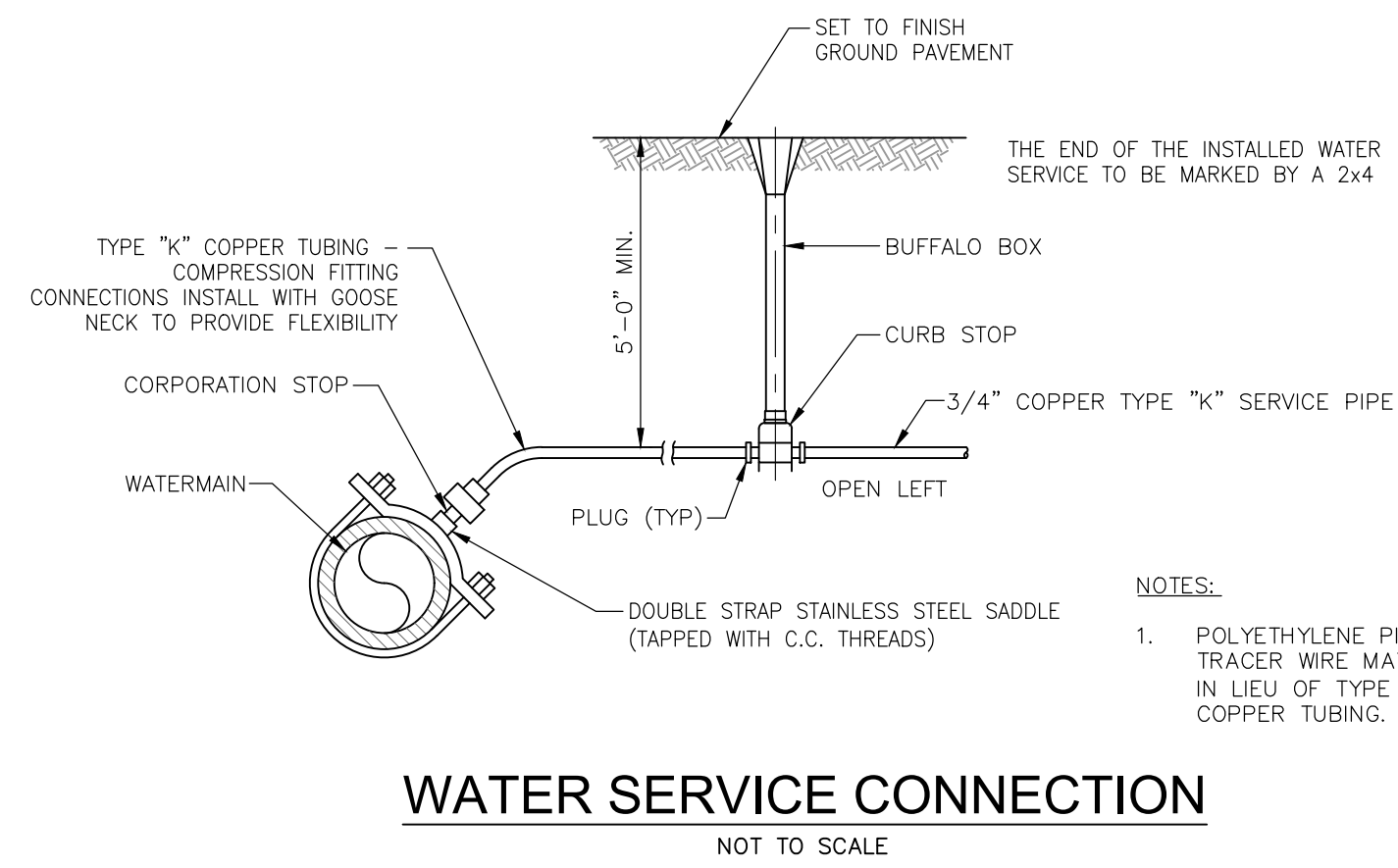
PLANNING BOARD FILE #17-27

APPROVED BY THE EXETER PLANNING BOARD

ON _____ AND
CHAIRMAN: _____ SECRETARY: _____

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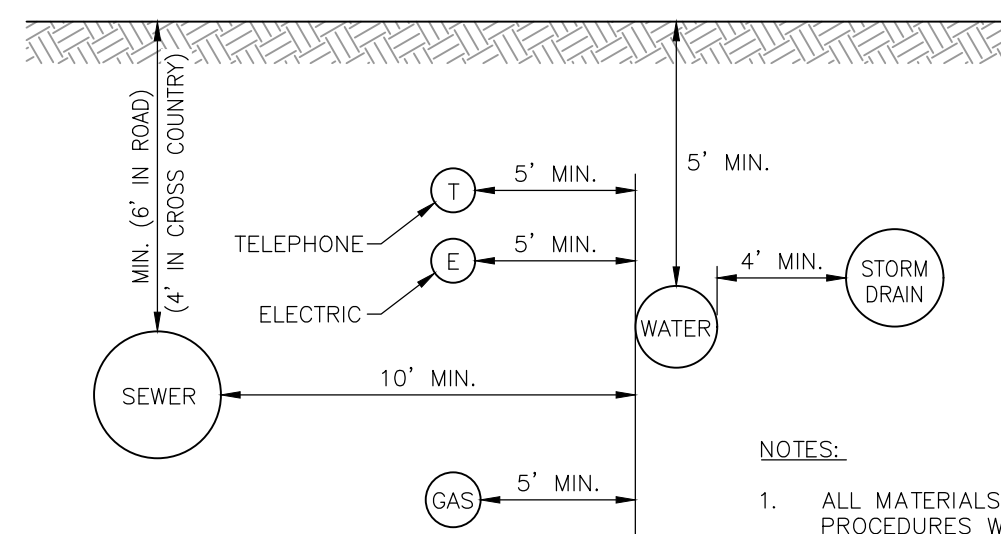
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WATER SERVICE CONNECTION

NOT TO SCALE

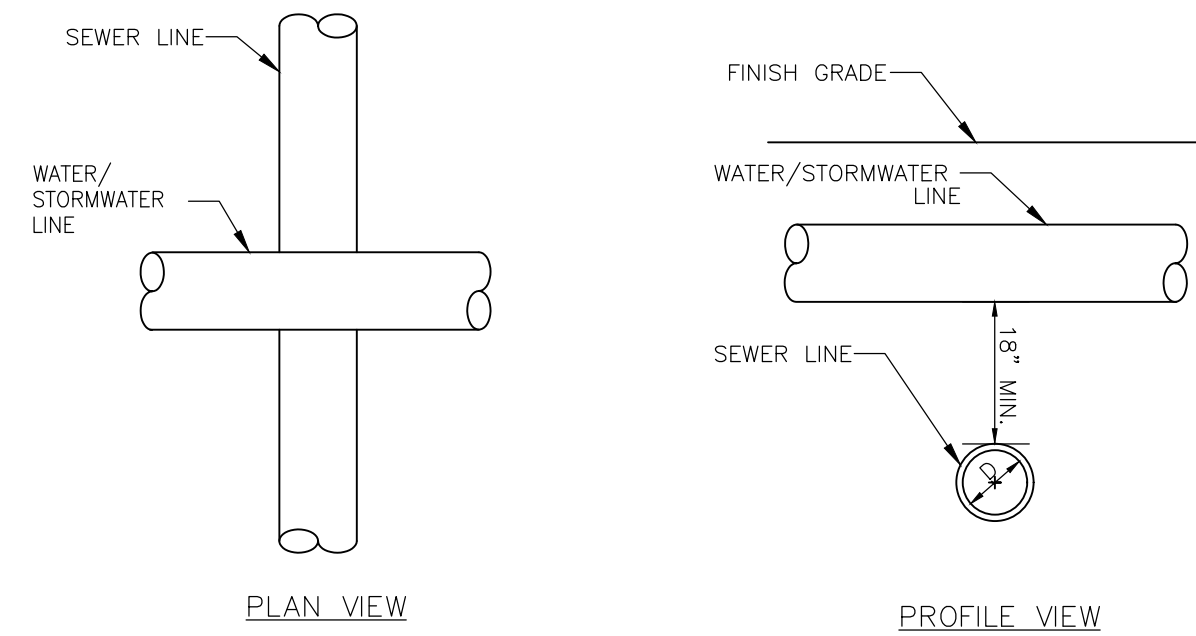
- NOTES:**
1. POLYETHYLENE PIPE WITH TRACER WIRE MAY BE USED IN LIEU OF TYPE "K" COPPER TUBING.



TYPICAL UTILITY SEPARATION

NOT TO SCALE

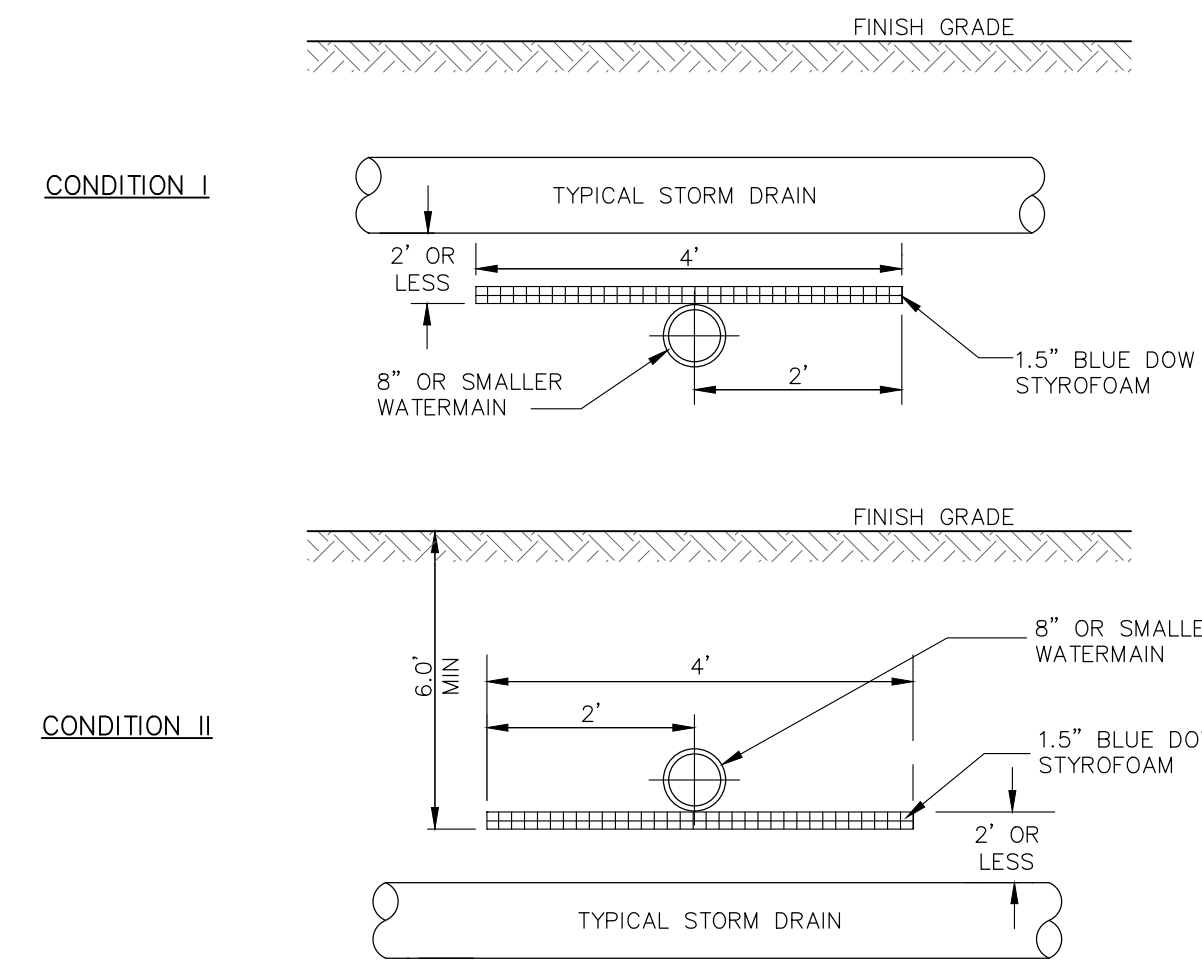
- NOTES:**
1. ALL MATERIALS AND INSTALLATION PROCEDURES WILL CONFORM TO EXETER DPW TECHNICAL SPECIFICATIONS.
 2. ALL WATER MAIN SHOULD HAVE A MINIMUM DEPTH OF 5' FROM TOP OF PIPE TO FINISH GRADE.



- NOTES:**
1. A 10 FOOT MINIMUM EDGE TO EDGE HORIZONTAL SEPARATION SHALL BE PROVIDED BETWEEN ALL WATER/STORMWATER AND SANITARY SEWER LINES. AN 18" MINIMUM OUTSIDE TO OUTSIDE VERTICAL SEPARATION SHALL BE PROVIDED AT ALL WATER/STORMWATER AND SANITARY SEWER CROSSINGS.
 2. PROTECTION OF WATER SUPPLIES:
A. THERE SHALL BE NO PHYSICAL CONNECTION BETWEEN A PUBLIC OR PRIVATE POTABLE WATER SUPPLY SYSTEM AND A SEWER OR SEWER APPURTENANCE WHICH WOULD PERMIT THE PASSAGE OF SEWAGE OR POLLUTED WATER INTO THE POTABLE SUPPLY. NO WATER PIPE SHALL PASS THROUGH OR COME IN CONTACT WITH ANY PART OF A SEWER OR SEWER MANHOLE.
B. NO SEWER SHALL BE LOCATED WITHIN THE WELL PROTECTED RADI ESTABLISHED IN ENV-WS 300 FOR ANY PUBLIC WATER SUPPLY WELLS OR WITHIN 100 FEET OF ANY PRIVATE WATER SUPPLY WELL.
C. SEWERS SHALL BE LOCATED AT LEAST 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED WATER MAIN.
D. A DEVIATION FROM THE SEPARATION REQUIREMENTS OF (2) OR (3) ABOVE SHALL BE ALLOWED WHERE NECESSARY TO AVOID CONFLICT WITH SUBSURFACE STRUCTURES, UTILITY CHAMBERS, AND BUILDING FOUNDATIONS, PROVIDED THAT THE SEWER IS CONSTRUCTED IN ACCORDANCE WITH THE FORCE MAIN CONSTRUCTION REQUIREMENTS SPECIFIED IN ENV-WQ 704.06.
 3. WHENEVER SEWERS MUST CROSS WATER MAINS, THE SEWER SHALL BE CONSTRUCTED AS FOLLOWS:
a. VERTICAL SEPARATION OF THE SEWER AND WATER MAIN SHALL BE NOT LESS THAN 18 INCHES, WITH WATER ABOVE SEWER AND
b. SEWER PIPE JOINTS SHALL BE LOCATED AT LEAST 6 FEET HORIZONTALLY FROM THE WATER MAIN.

WATER & SEWER CROSSING

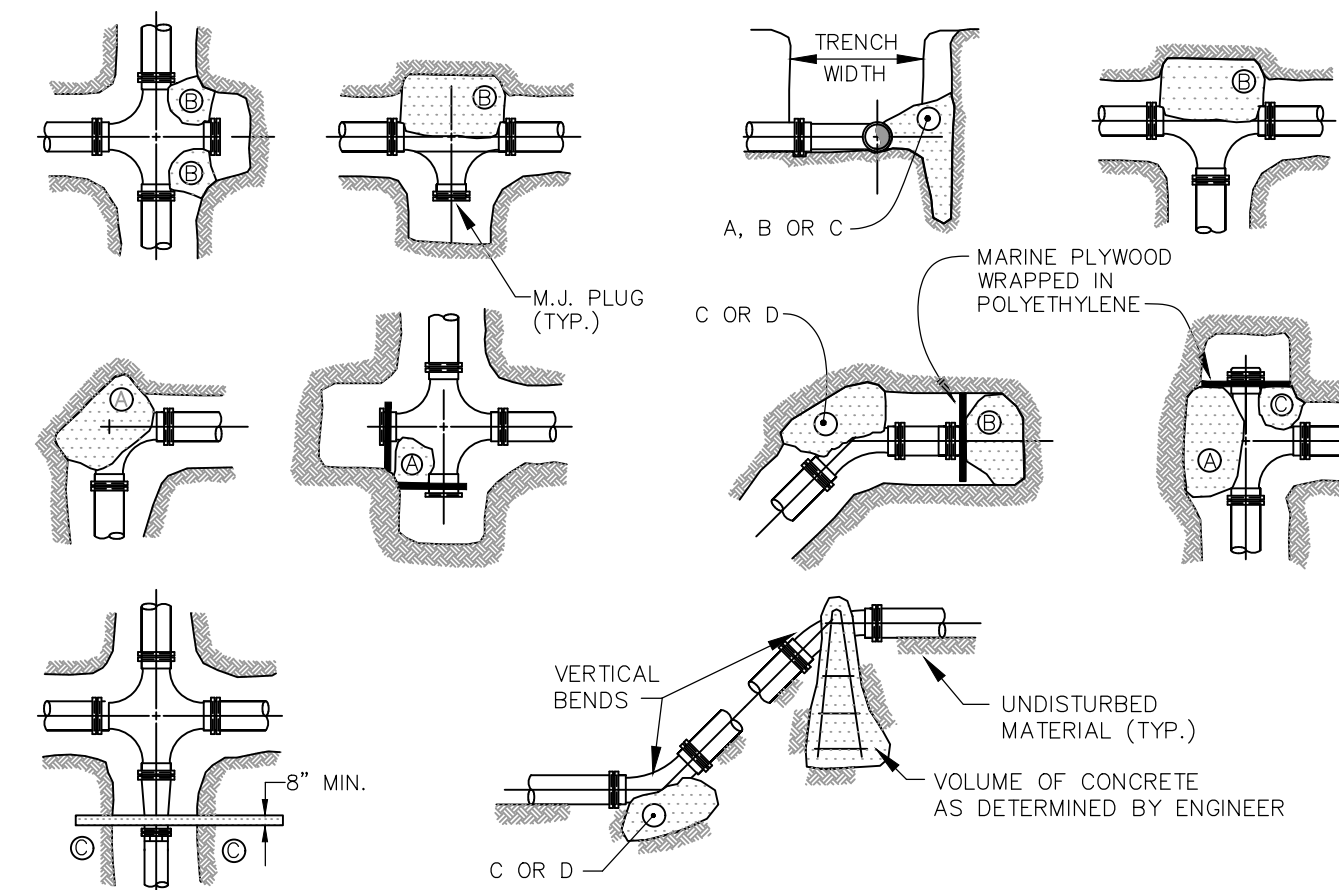
NOT TO SCALE



- NOTES:**
1. THE LENGTH OR WIDTH OF INSULATION SHALL EXTEND 1 STORM DRAIN PIPE DIAMETER BEYOND THE EDGE OF STORM DRAIN PIPE IN EACH DIRECTION OR A MINIMUM OF 2' BEYOND THE CENTERLINE OF THE STORM DRAIN PIPE, WHICHEVER IS GREATER.
 2. ALL BUTT JOINT SEAMS TO BE OVERLAPPED WITH A 1' PIECE OF INSULATION CENTERED OVER SEAM.

INSULATION AT STORM DRAIN AND WATER MAIN INTERSECTING RUNS

NOT TO SCALE



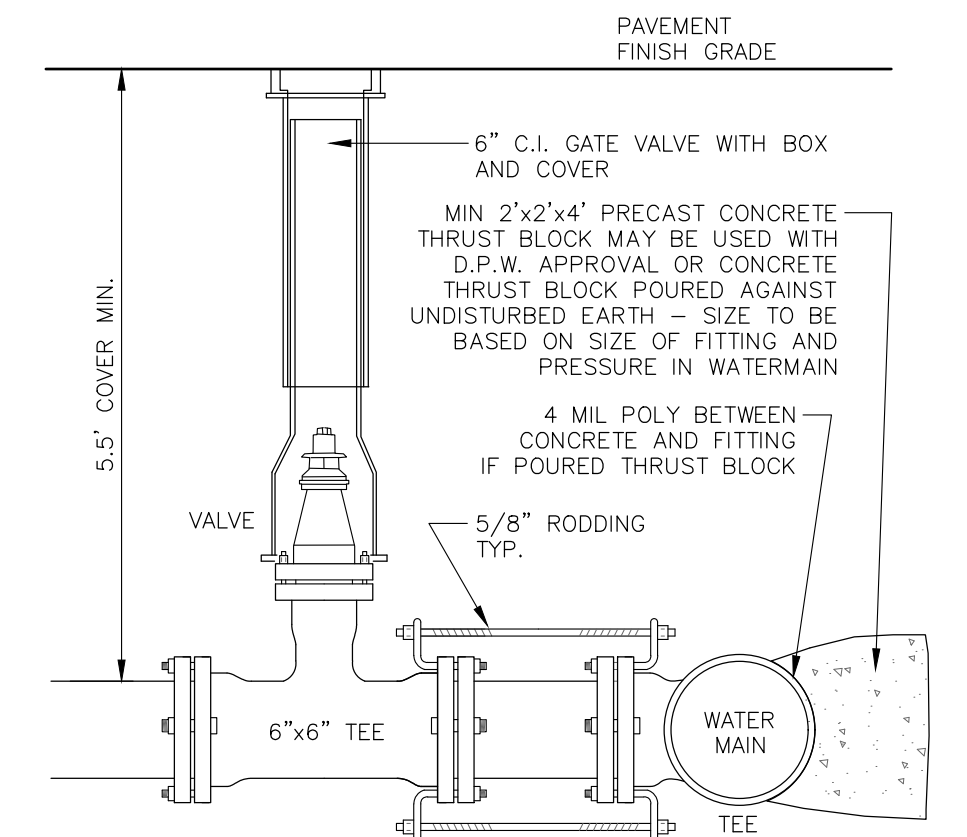
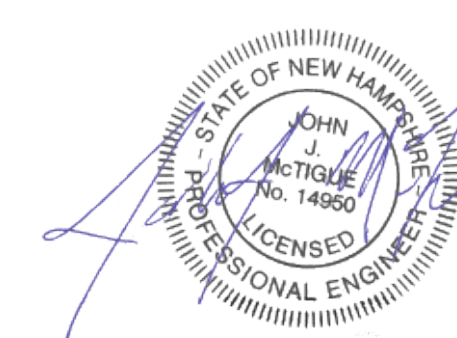
- NOTES:**
1. POUR THRUST BLOCKS AGAINST UNDISTURBED MATERIAL, WHERE TRENCH WALL HAS BEEN DISTURBED, EXCAVATE LOOSE MATERIAL AND EXTEND THRUST BLOCK TO UNDISTURBED MATERIAL. NO PIPE JOINTS SHALL BE COVERED WITH CONCRETE.
 2. ON BENDS AND TEES, EXTEND THRUST BLOCKS FULL LENGTH OF FITTING.
 3. PLACE BOARD IN FRONT OF ALL PLUGS BEFORE POURING THRUST BLOCKS.
 4. WHERE MECHANICAL JOINT PIPE IS USED, MECHANICAL JOINT PLUG WITH RETAINER GLAND MAY BE SUBSTITUTED FOR END BLOCKINGS.
 5. INSTALLATION AND STANDARD DIMENSIONAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE CITY/TOWN ESTABLISHED RULES AND PROCEDURES.

TEST PRESSURE (PSI)	REACTION TYPE	PIPE SIZE				
		4"	6"	8"	10"	12"
A	90°	0.89	2.19	3.82	11.14	17.24
B	180°	0.65	1.55	2.78	8.38	12.00
C	45°	0.48	1.19	2.12	6.02	9.32
D	22-1/2°	0.25	0.60	1.06	3.08	4.74
E	11-1/4°	0.13	0.30	0.54	1.54	2.38

THRUST BLOCKS

NOT TO SCALE

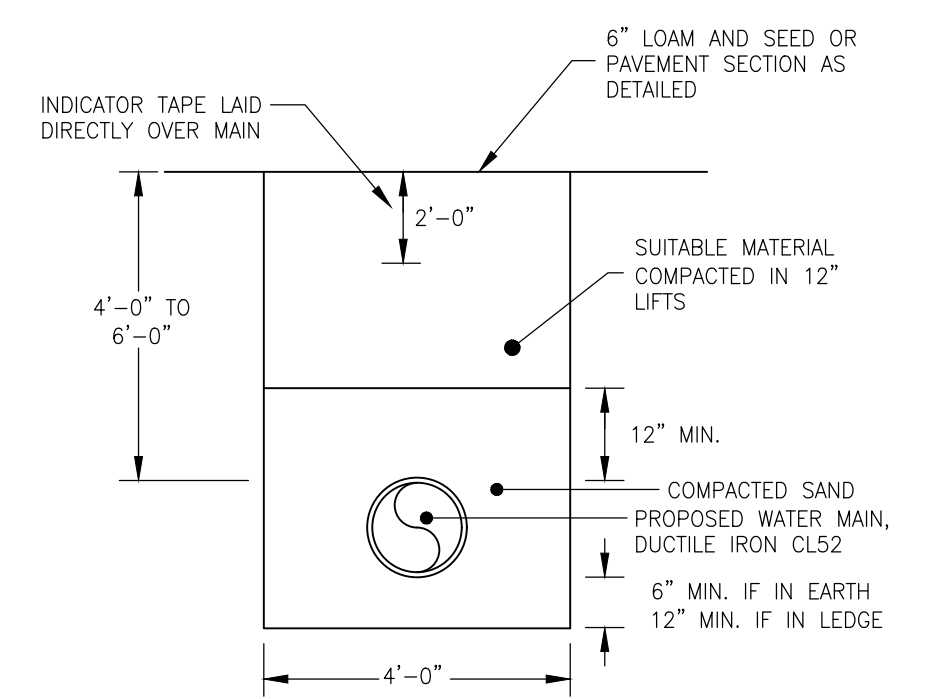
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8	11/26/18	REVISED PER PLANNING BOARD COMMENTS	ETP	JUM
7	11/05/18	REVISED PER PLANNING BOARD COMMENTS	ETP	JUM
6	10/01/18	REVISED PER PLANNING BOARD COMMENTS	ETP	JUM
5	8/31/18	REVISED PER TRC COMMENTS	ETP	JUM
4	7/10/18	REVISED PER PLANNING BOARD COMMENTS	ETP	JUM
3	2/20/18	REVISED PER REVIEW COMMENTS	ETP	JUM
2	10/31/17	REVISED PER DESIGN REVIEW COMMENTS	ETP	JUM



BURIED GATE VALVE

NOT TO SCALE

- NOTES:**
1. VALVE TO OPEN LEFT.



WATER MAIN TRENCH

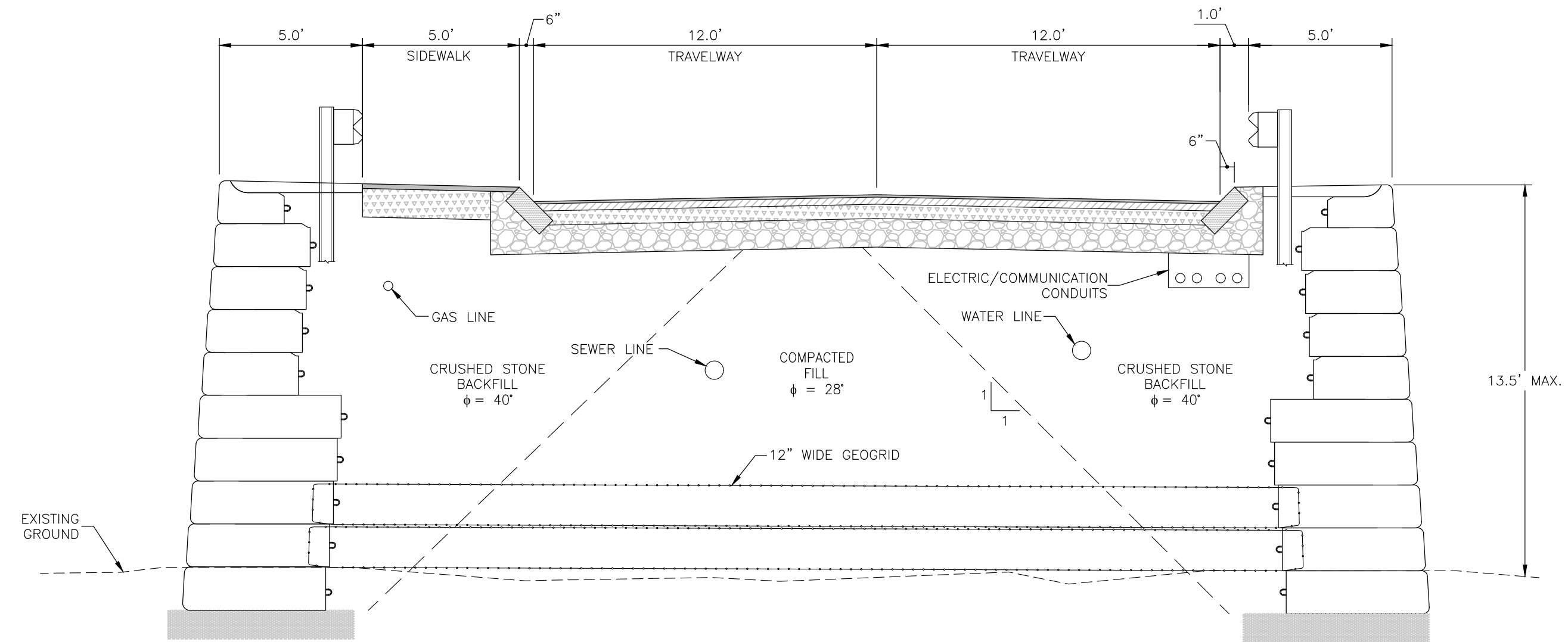
NOT TO SCALE

- NOTE:**
1. MAXIMUM COMPACTION LIFTS ARE 12".

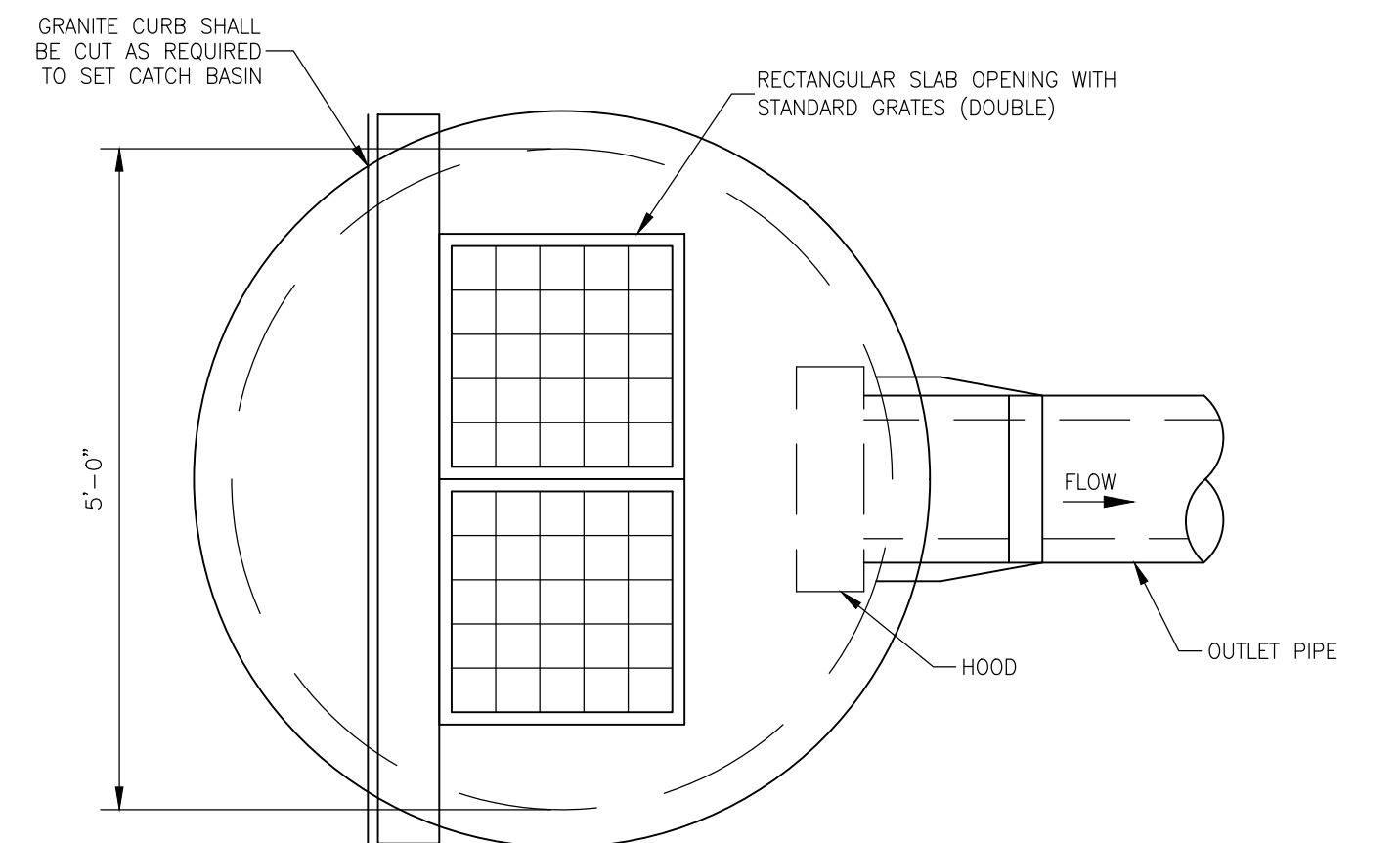
TAX MAP 54 LOTS 5, 6 & 7 TAX MAP 63 LOT 205
DETAILS
EXETER ROSE FARM
FOREST STREET & OAK STREET EXTENSION
EXETER, NEW HAMPSHIRE, COUNTY OF ROCKINGHAM
BENJAMIN & JOAN DAGOSTINO REVOCABLE TRUST
OWNED BY
EXETER ROSE FARM, LLC & BENJAMIN & JOAN DAGOSTINO REVOCABLE TRUSTS
AUGUST 15, 2017

TFM **MSC**
Civil Engineers
Structural Engineers
Traffic Engineers
Land Surveyors
Landscape Architects
Scientists
170 Commerce Way, Suite 102
Portsmouth, NH 03801
Phone (603) 431-2222
Fax (603) 431-0910
www.tfmoran.com

FILE 47175.00
DR JRM FB
CK JUM CADFILE
Details.dwg
C-57

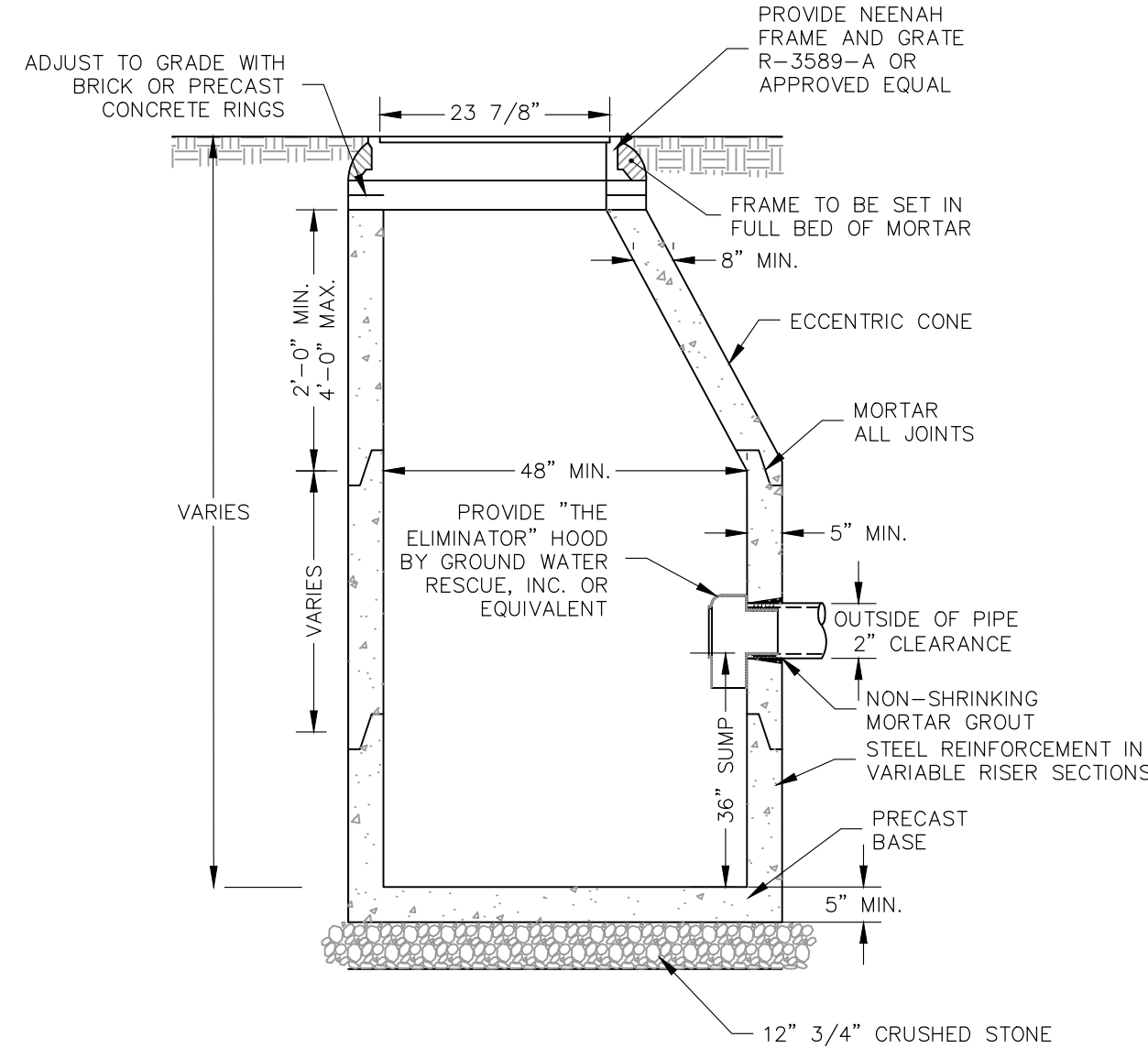


ELEVATED ROADWAY SECTION WITH UTILITIES
NOT TO SCALE



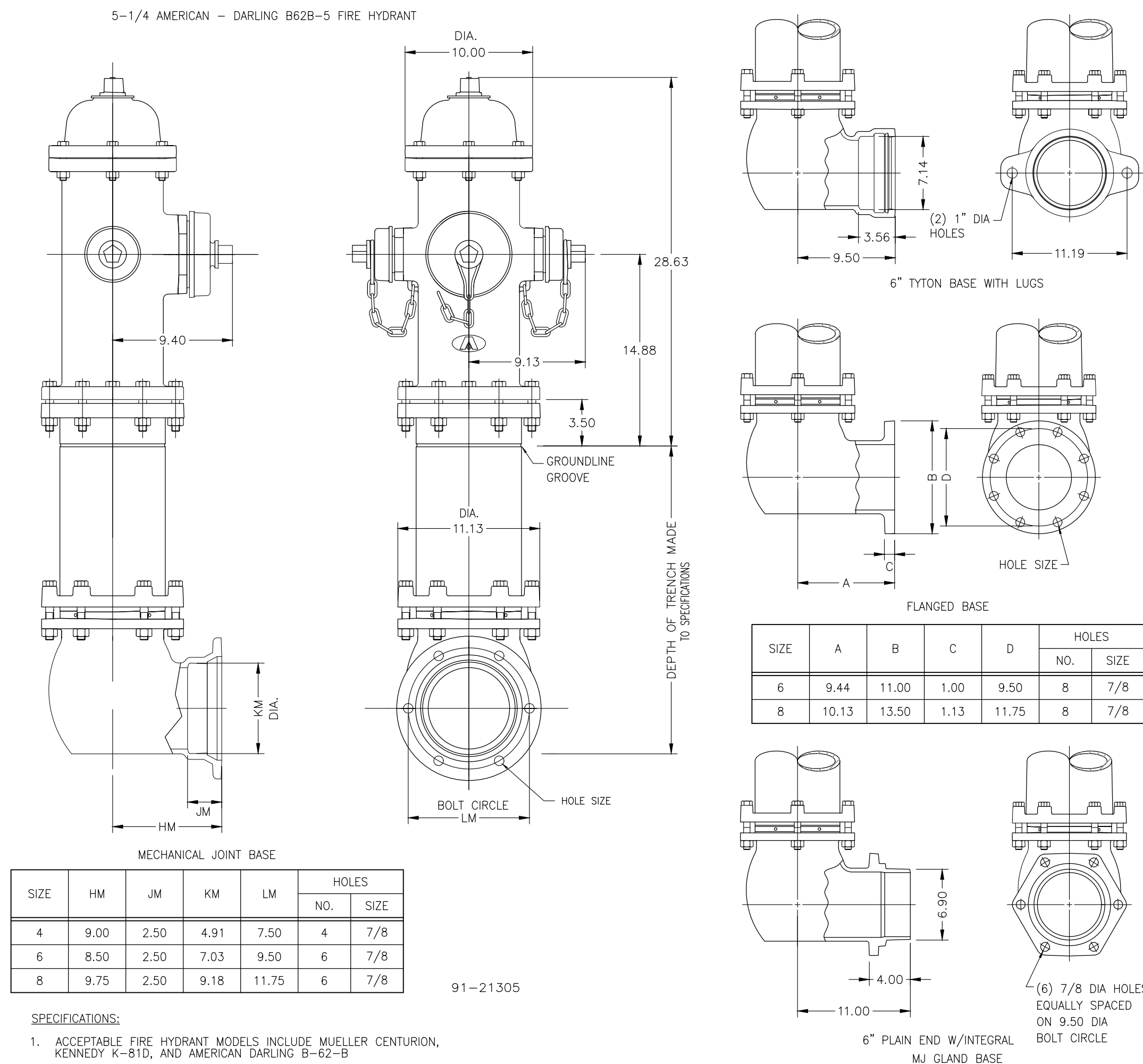
NOTE
1. USE WITH PRECAST ROUND SLAB TOP MANHOLE FOR CB70

DOUBLE GRATE CATCH BASIN-PLAN VIEW
NOT TO SCALE



- NOTES:
1. ALL SECTIONS SHALL BE PRECAST CONCRETE NHDOT CLASS AA, 4,000 PSI.
 2. CATCH BASINS SHALL MEET NHDOT TYPE "B" SPECIFICATIONS.
 3. ALL COMPONENTS SHALL BE DESIGNED FOR HS-20 LOADING.
 4. LARGER DIAMETER STRUCTURES SHALL BE USED AS REQUIRED DUE TO NUMBER, ANGLE OR SIZE OF PIPES AT THE STRUCTURE.
 5. ALL CASTINGS SHALL BE MADE IN THE USA.

ECCENTRIC CATCH BASIN WITH HOODED OUTLET
NOT TO SCALE



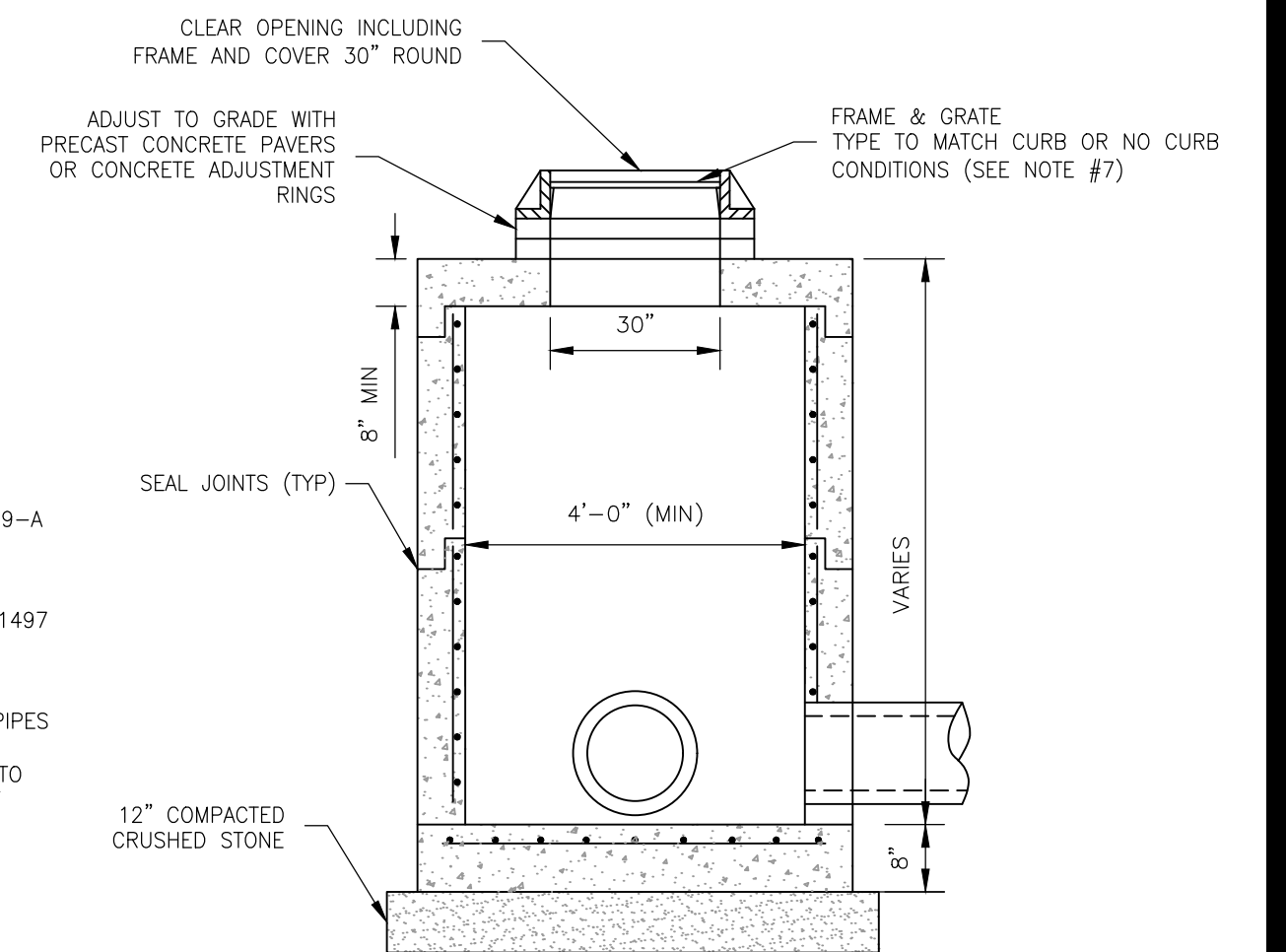
SIZE	HM	JM	KM	LM	HOLES	
					NO.	SIZE
4	9.00	2.50	4.91	7.50	4	7/8
6	8.50	2.50	7.03	9.50	6	7/8
8	9.75	2.50	9.18	11.75	6	7/8

SIZE	A	B	C	D	HOLES	
					NO.	SIZE
6	9.44	11.00	1.00	9.50	8	7/8
8	10.13	13.50	1.13	11.75	8	7/8

- SPECIFICATIONS:
1. ACCEPTABLE FIRE HYDRANT MODELS INCLUDE MUELLER CENTURION, KENNEDY K-81D, AND AMERICAN DARLING B-62-B
 2. VALVE TO OPEN LEFT.
 3. 150 PSI WORKING PRESSURE
 4. 300 PSI TEST PRESSURE
 5. HYDRANT DRAIN SHALL BE PLUGGED
 6. DRY TOP DESIGN VALVE SHALL OPEN WHEN OPERATING NUT IS TURNED COUNTERCLOCKWISE AND BE SO INDICATED ON HYDRANT
 7. OPERATING NUT SHALL BE STANDARD ANWA PENTAGON OPERATING NUT WITH 1 1/2" POINT TO FLAT DIMENSION
 8. THREADS SHALL BE NATIONAL STANDARD HOSE THREAD NOZZLES
 9. PAINT YELLOW

FIRE HYDRANT
NOT TO SCALE

- NOTES
1. CATCHBASIN FRAME & GRATE SHALL BE NEENAH R-3589-A OR APPROVED EQUAL.
 2. ALL COMPONENTS SHALL BE DESIGNED FOR HS-20 LOADING.
 3. REINFORCING SHALL CONFORM TO ASTM 185 OR ASTM 1497 & ASTM A615, GRADE 60.
 4. ALL CONCRETE SHALL BE NHDOT CLASS A.
 5. LARGER DIAMETER STRUCTURES SHALL BE USED AS REQUIRED DUE TO NUMBER, ORIENTATION OR SIZE OF PIPES AT THE STRUCTURE.
 6. "CL" USED AT ALL LOCATIONS WITHOUT CURB AND "C" TO BE USED AT ALL TO NUMBER, SIZE OR ORIENTATION OF PIPES AT THE BASIN.
 7. ALL CASTINGS SHALL BE MADE IN THE USA.



PRECAST ROUND SLAB TOP MANHOLE
NOT TO SCALE

PLANNING BOARD FILE #17-27

APPROVED BY THE EXETER PLANNING BOARD

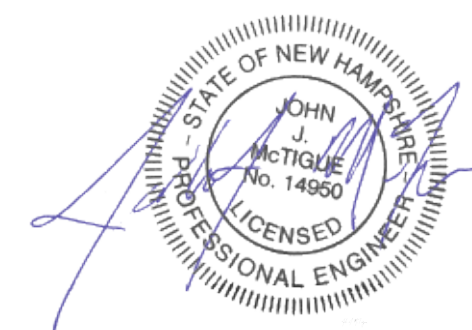
ON _____ AND
CHAIRMAN: _____ SECRETARY: _____

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CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION



REV.	DATE	DESCRIPTION	DR	CK
9	02/09/21	REVISED PER AOT SUBMITTAL	JJM	JJM
8	11/26/18	REVISED PER PLANNING BOARD COMMENTS	ETP	JJM
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3	2/20/18	REVISED PER REVIEW COMMENTS	ETP	JJM
2	10/31/17	REVISED PER DESIGN REVIEW COMMENTS	ETP	JJM

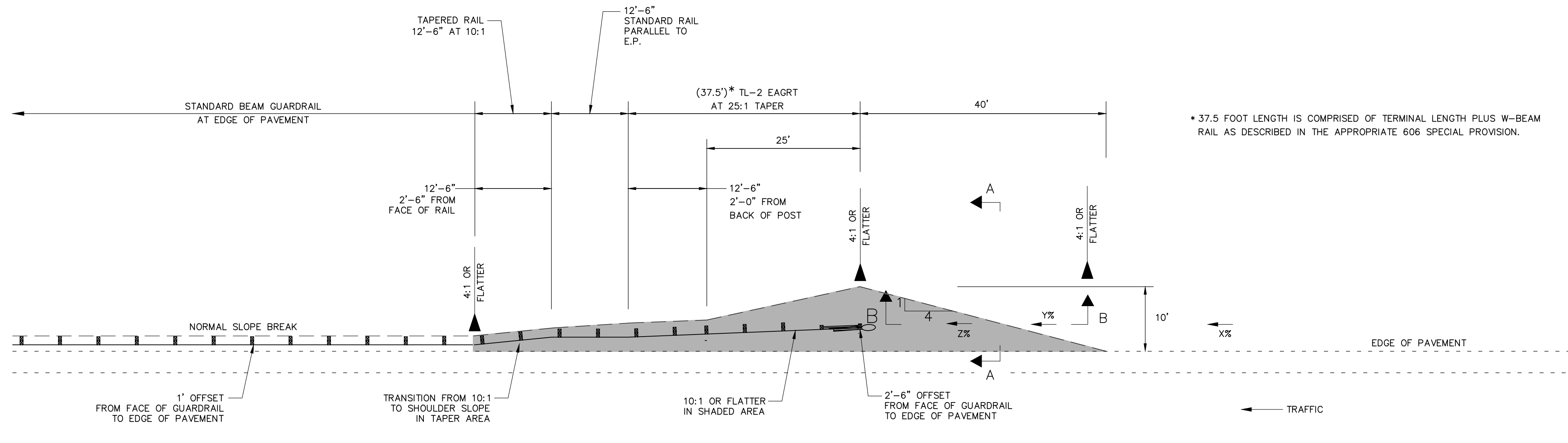
TAX MAP 54 LOTS 5, 6 & 7 TAX MAP 63 LOT 205
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AUGUST 15, 2017



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Land Surveyors
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170 Commerce Way, Suite 102
Portsmouth, NH 03801
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Fax (603) 431-0910
www.tfmoran.com

FILE	47175.00	DR	JRW	FB			
		CK	JJM	CADFILE	Details.dwg		
							C-58

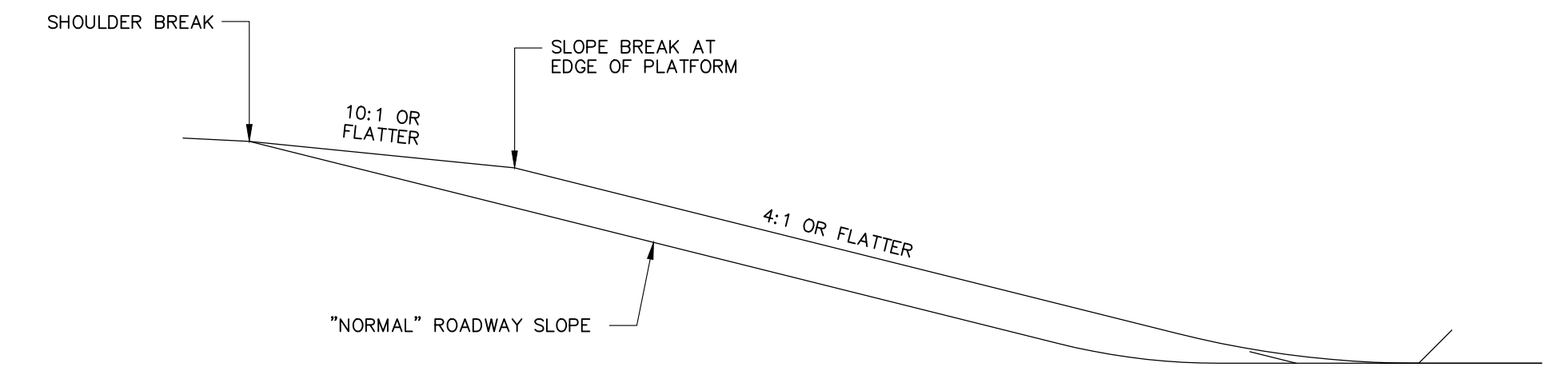
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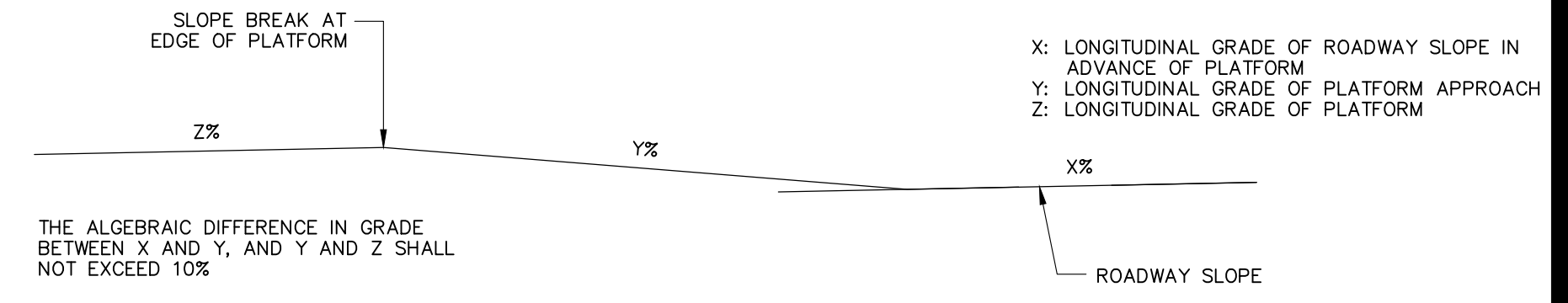
TL-2 EAGRT UNIT

**PREFERRED PLATFORM FOR
OFFSET ENERGY ABSORBING
GUARDRAIL TERMINAL (EAGRT)**

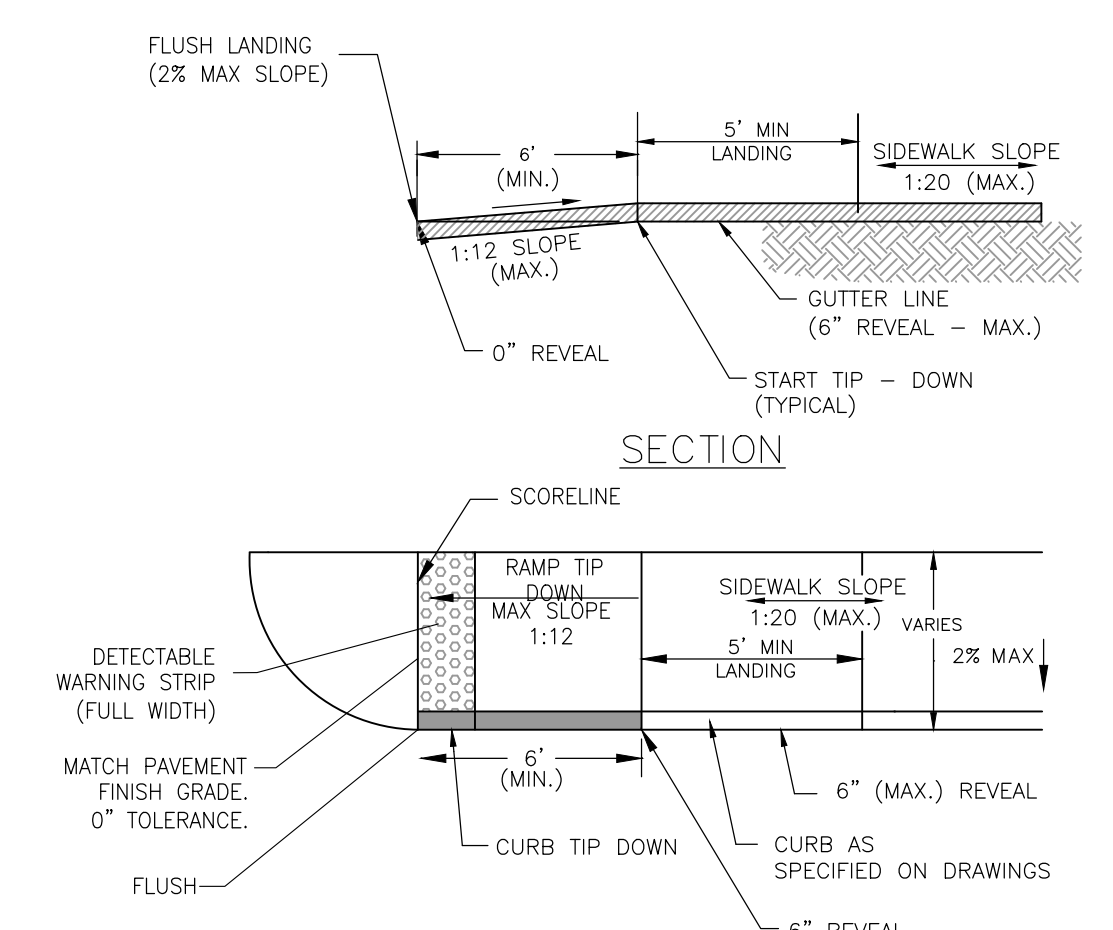
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SECTION A-A
PLATFORM SLOPE GRADING

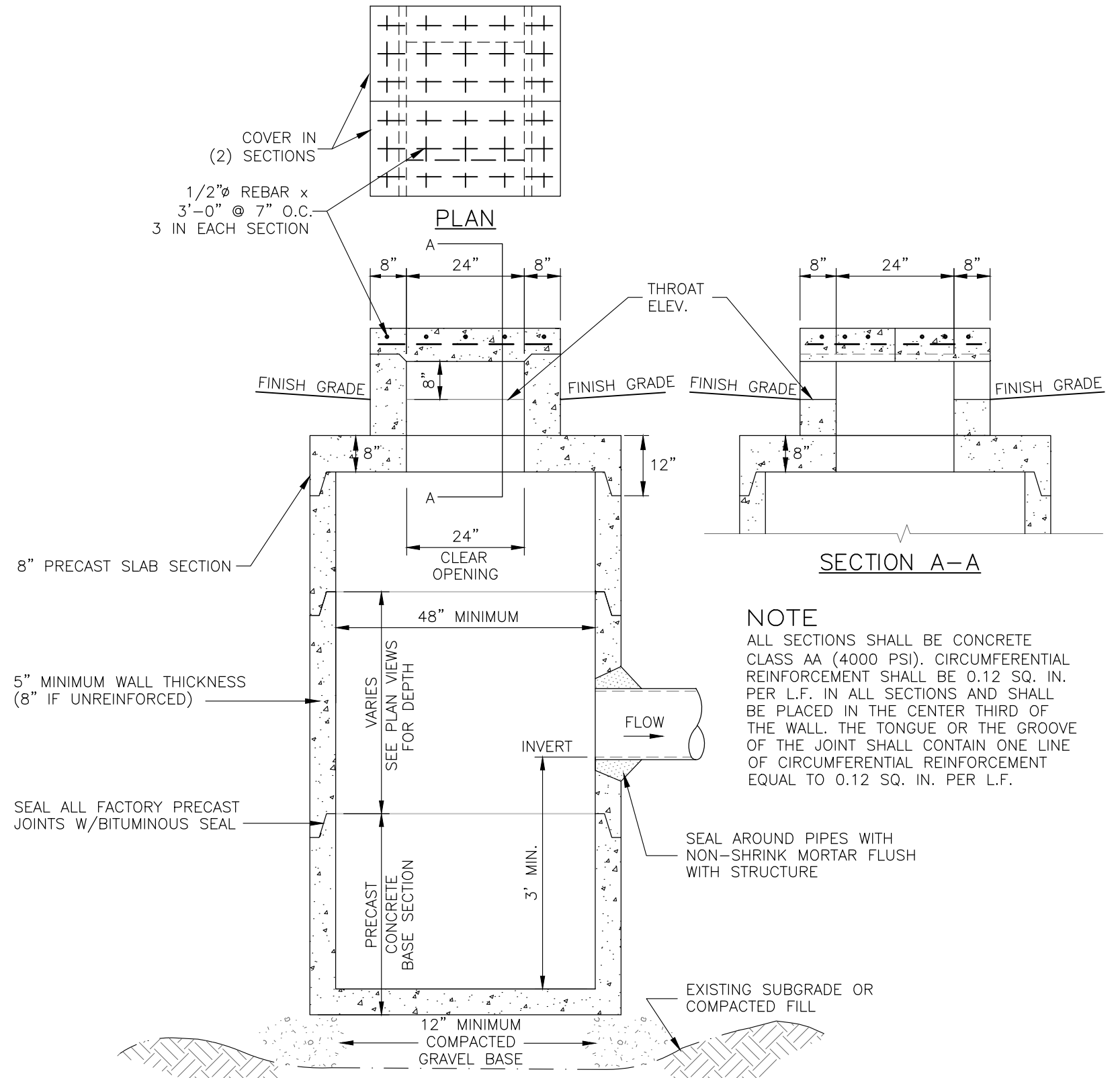


SECTION B-B
PLATFORM APPROACH GRADING



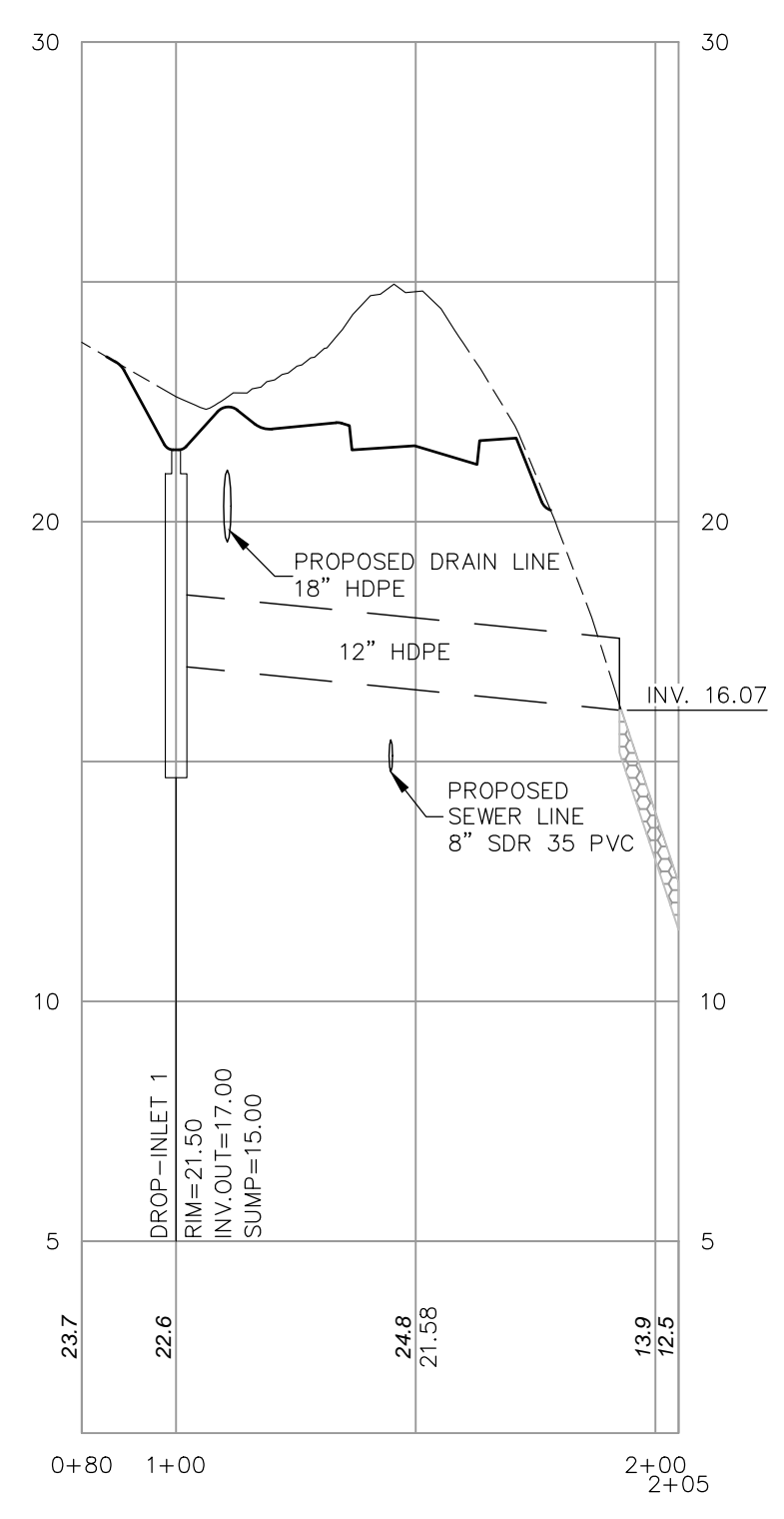
**SIDEWALK TIP DOWN RAMP
(TYPE E)**

NOT TO SCALE



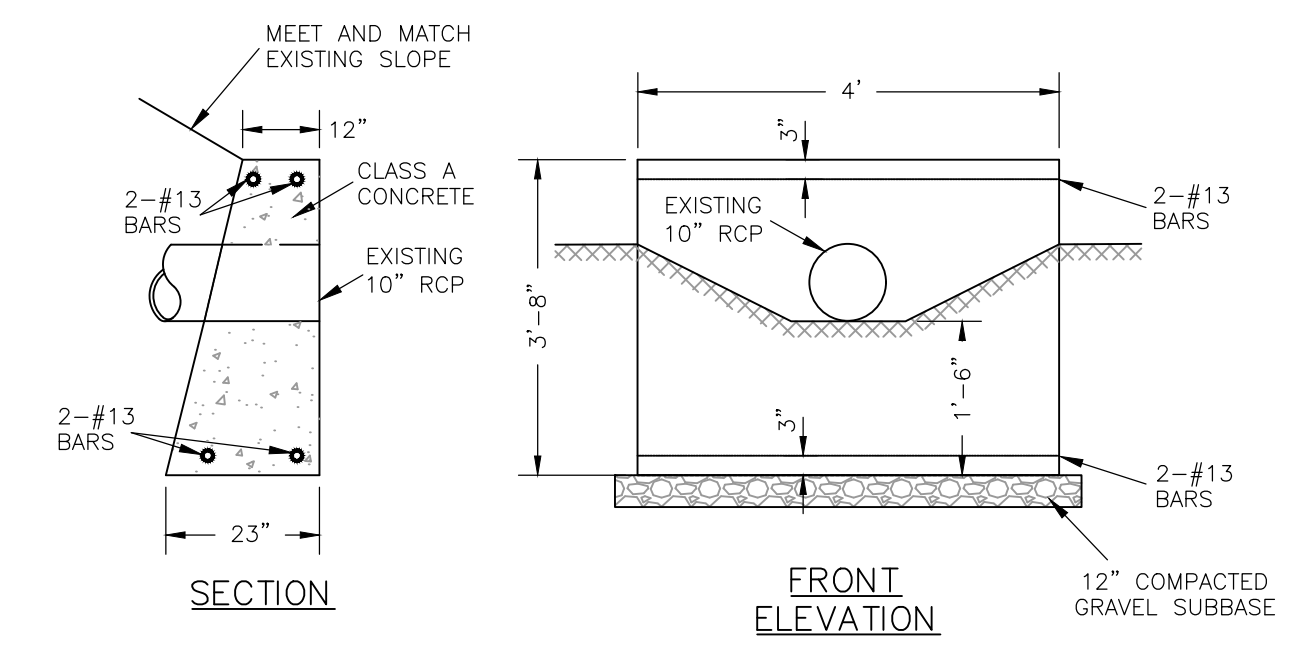
**DROP INLET - SLAB TOP
WITH TYPE C INLET**

NOT TO SCALE



**PROFILE - DROP INLET 1
WITH 12" HDPE**

SCALE: 1"=40' HORIZ.
1"=4' VERT.



HEADWALL DETAIL

NOT TO SCALE

TAX MAP 54 LOTS 5, 6 & 7 TAX MAP 63 LOT 205
DETAILS
EXETER ROSE FARM
FOREST STREET & OAK STREET EXTENSION
EXETER, NEW HAMPSHIRE, COUNTY OF ROCKINGHAM
BENJAMIN & JOAN DAGOSTINO REVOCABLE TRUST
 OWNED BY
**EXETER ROSE FARM, LLC &
 BENJAMIN & JOAN DAGOSTINO REVOCABLE TRUSTS**
 AUGUST 15, 2017

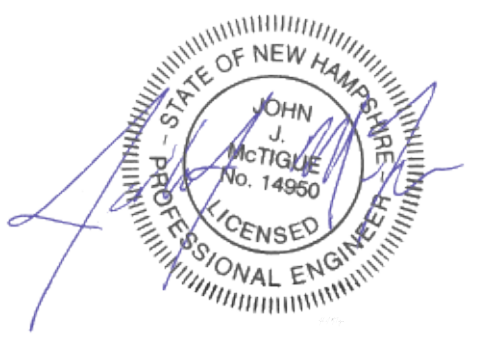
PLANNING BOARD FILE #17-27

APPROVED BY THE EXETER PLANNING BOARD

ON _____ AND
 CHAIRMAN: _____
 SECRETARY: _____



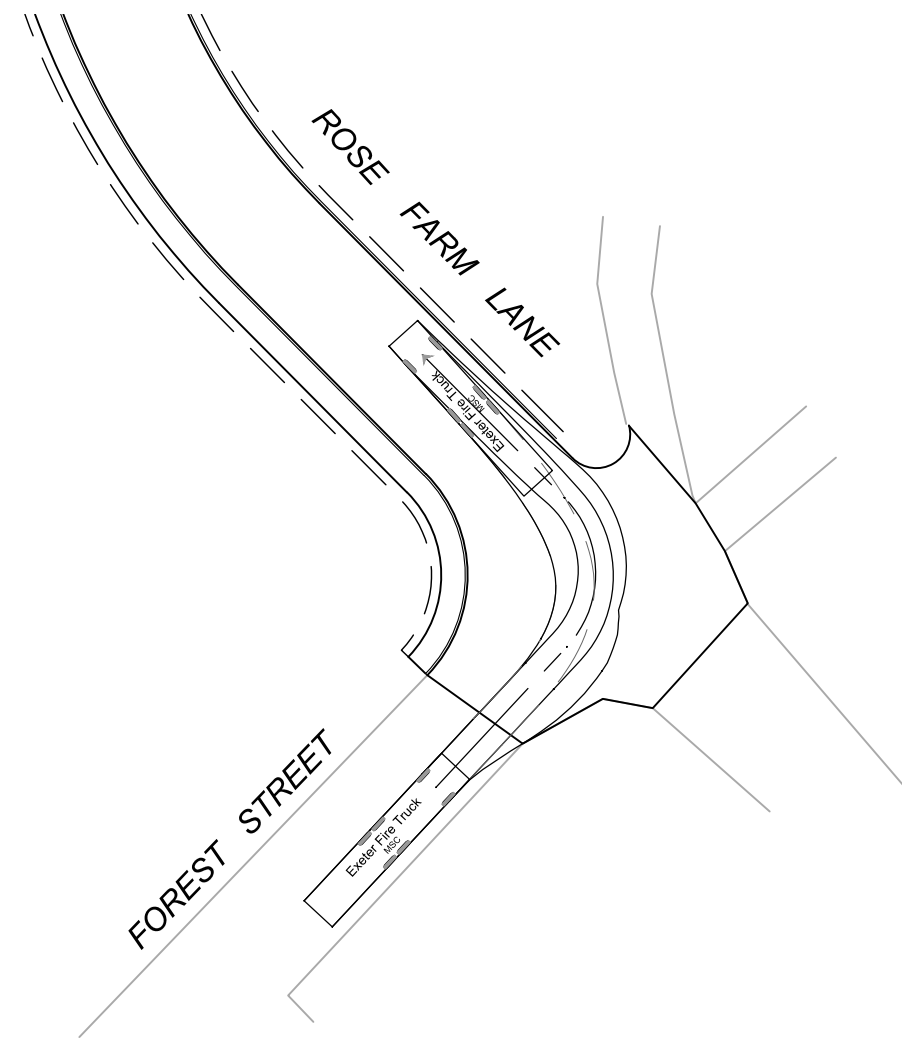
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 CONTACT DIG SAFE 72 BUSINESS
 HOURS PRIOR TO CONSTRUCTION



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3	2/20/18	REVISED PER REVIEW COMMENTS	ETP	JJM
2	10/31/17	REVISED PER DESIGN REVIEW COMMENTS	ETP	JJM
REV.	DATE	DESCRIPTION	DR	CK

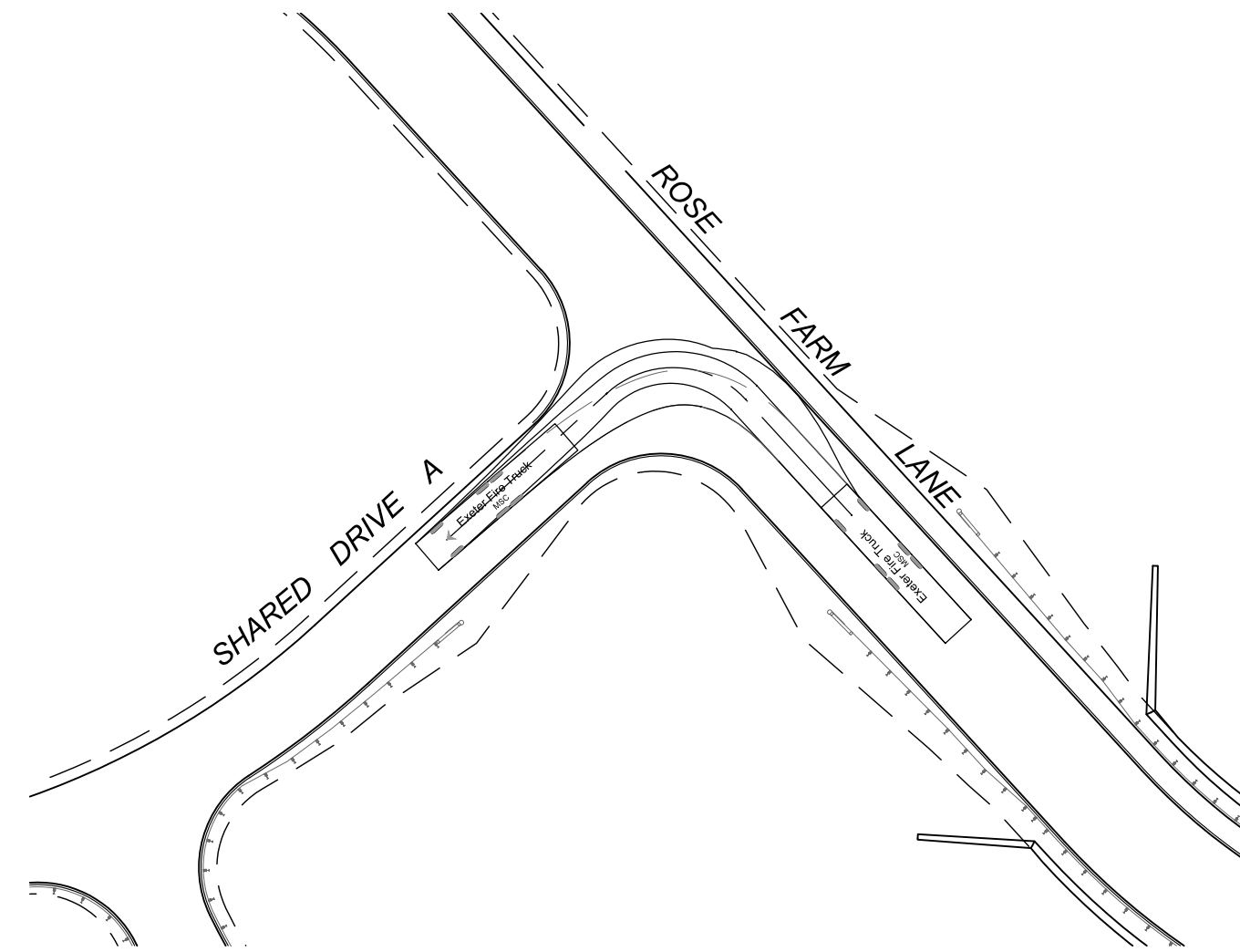
TFM **MSC**
 Civil Engineers
 Structural Engineers
 Traffic Engineers
 Land Surveyors
 Landscape Architects
 Scientists
 170 Commerce Way, Suite 102
 Portsmouth, NH 03801
 Phone (603) 431-2222
 Fax (603) 431-0910
 www.tfmoran.com

Sep 10, 2021 - 4:58pm
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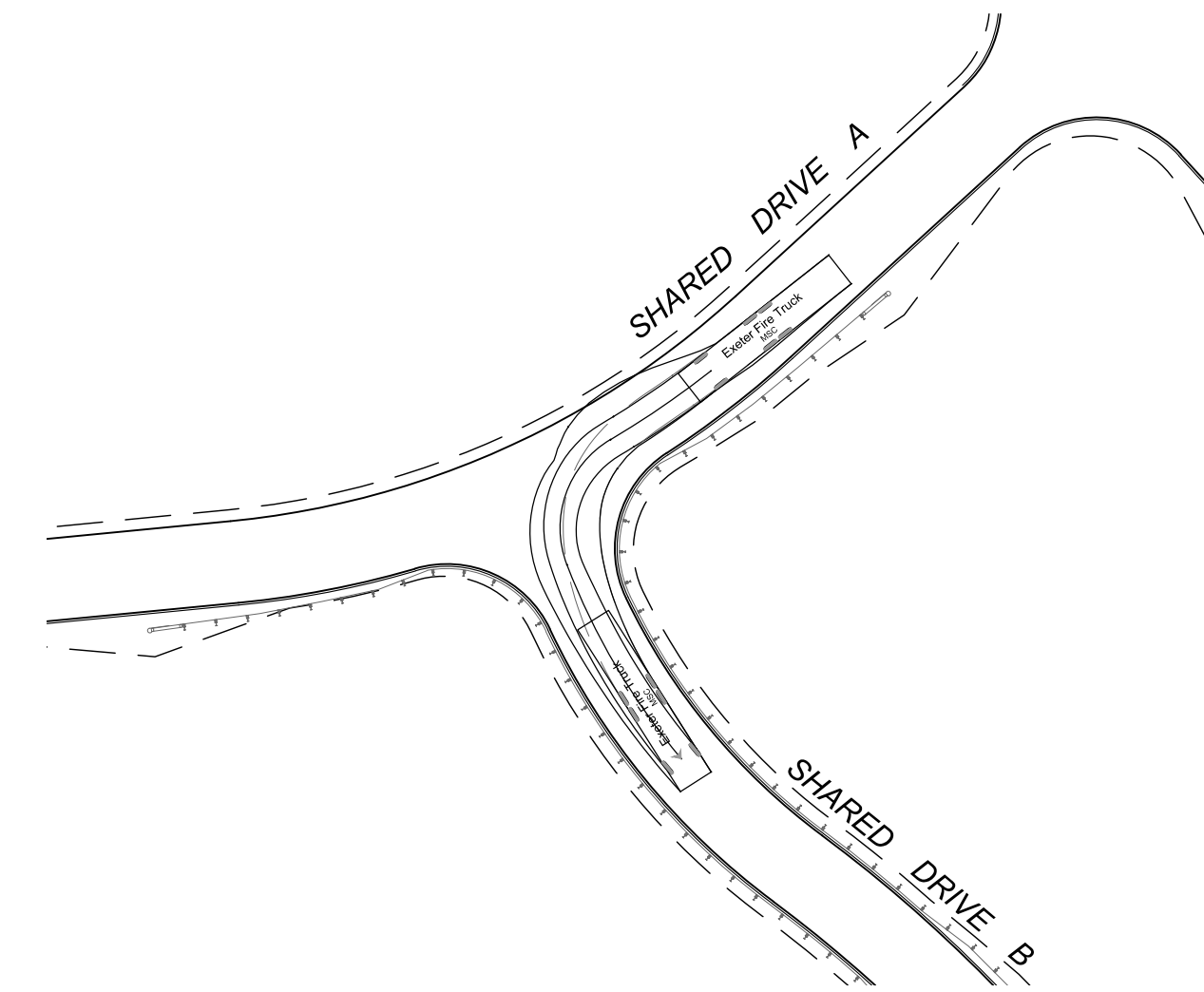
**EXETER FIRE TRUCK
TURN DETAIL**

FROM FOREST STREET HEADING EAST ONTO
ROSE FARM LANE HEADING NORTH



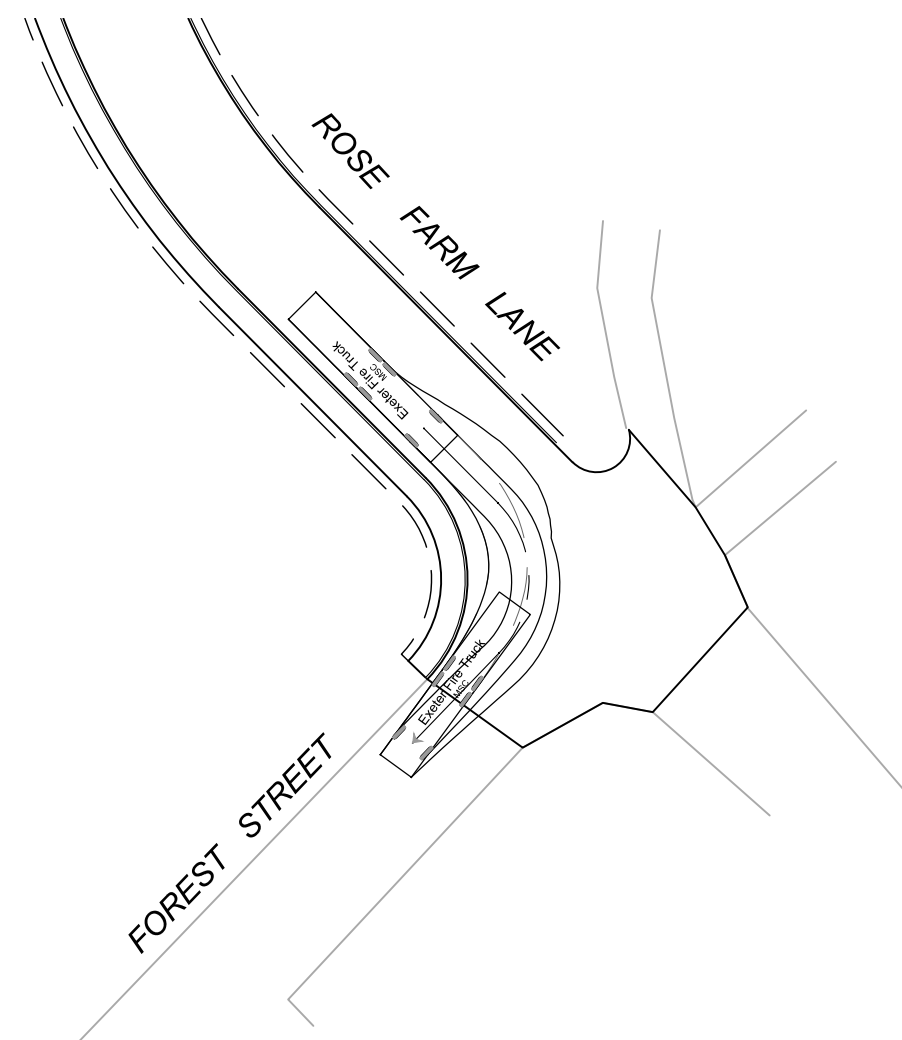
**EXETER FIRE TRUCK
TURN DETAIL**

FROM ROSE FARM LANE HEADING NORTH ONTO
SHARED DRIVE A HEADING WEST



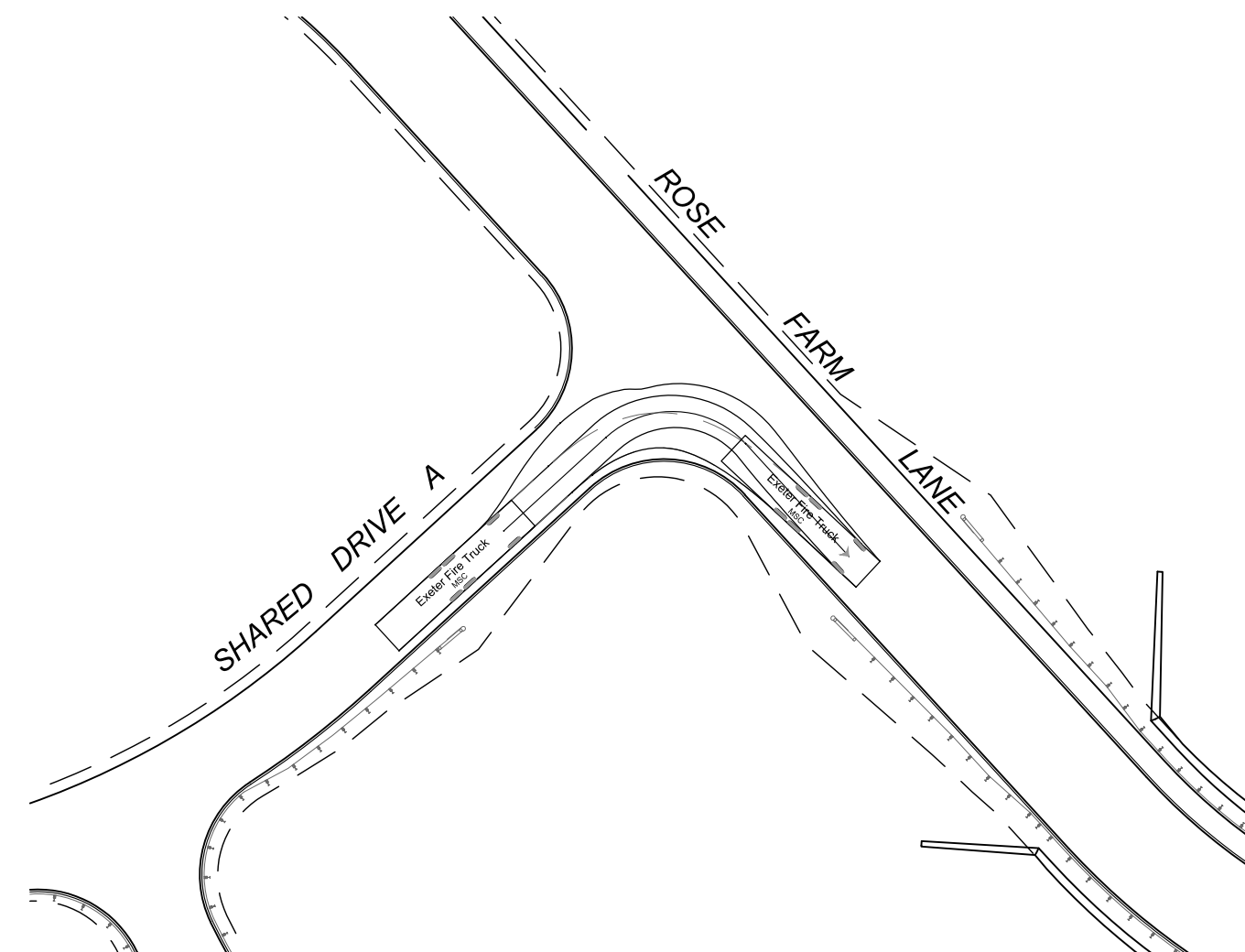
**EXETER FIRE TRUCK
TURN DETAIL**

FROM SHARED DRIVE A HEADING WEST ONTO
SHARED DRIVE B HEADING SOUTH



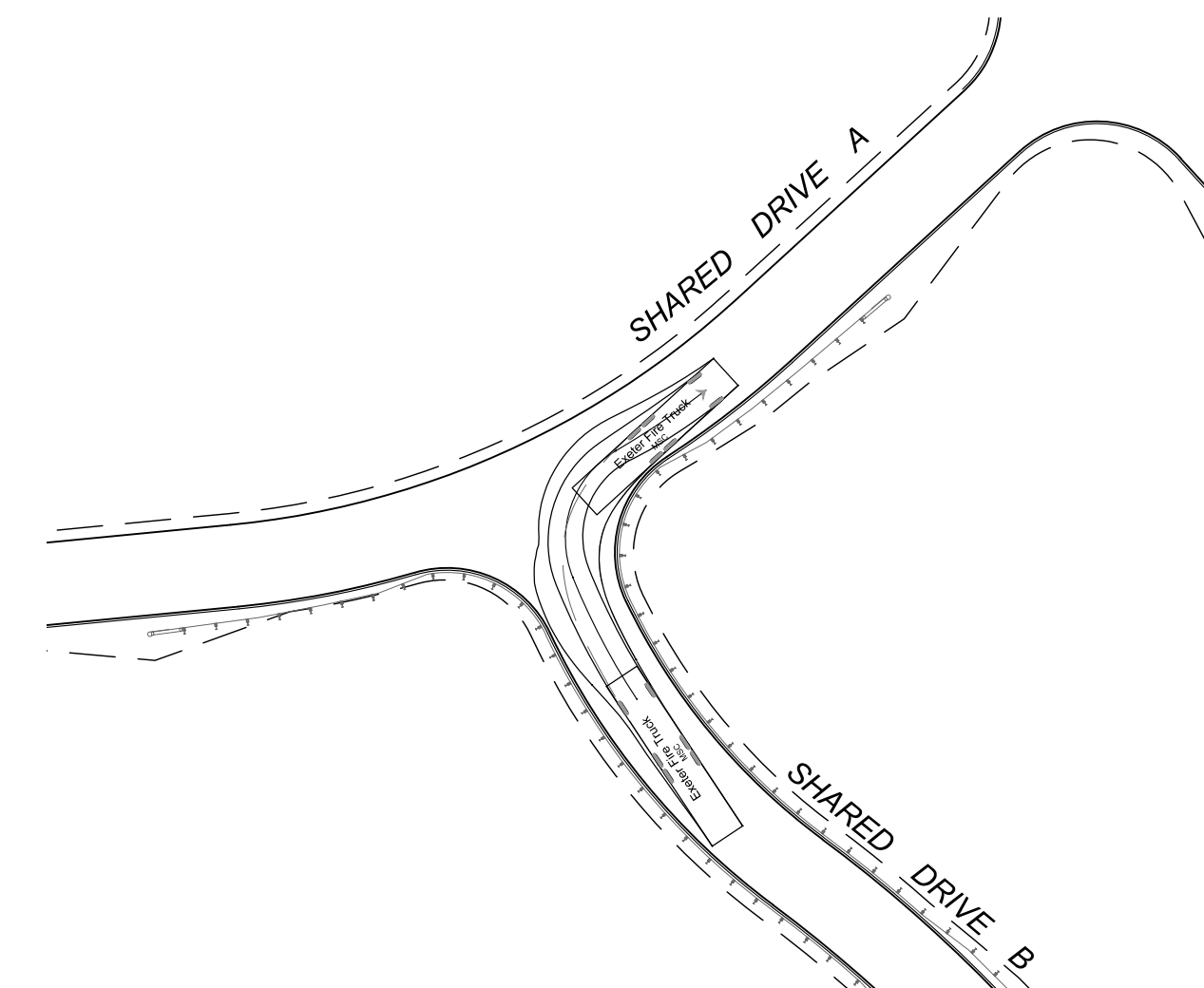
**EXETER FIRE TRUCK
TURN DETAIL**

FROM ROSE FARM LANE HEADING SOUTH ONTO
FOREST STREET HEADING WEST



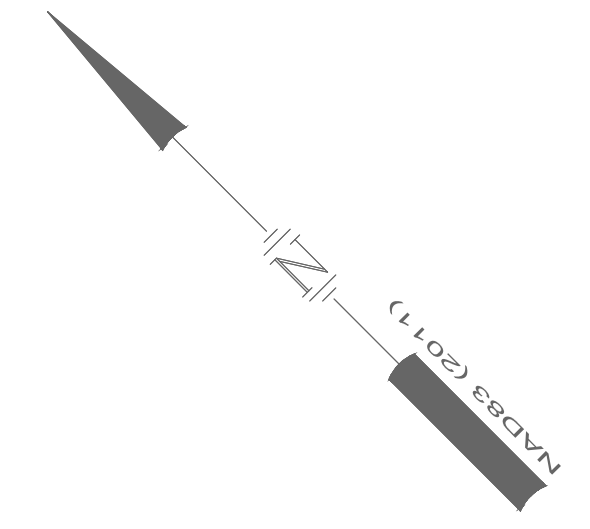
**EXETER FIRE TRUCK
TURN DETAIL**

FROM SHARED DRIVE A HEADING EAST ONTO
ROSE FARM LANE HEADING SOUTH



**EXETER FIRE TRUCK
TURN DETAIL**

FROM SHARED DRIVE B HEADING NORTH ONTO
SHARED DRIVE A HEADING EAST



Sep 10, 2021 - 4:58pm F:\MSC Projects\47175 - Oak Street Extension - Exeter\47175-00 - Baker Properties\47175-00_C3D\Design\Production Drawings\Open Space\47175-00_C-60-61_TruckManeuvering.dwg

PLANNING BOARD FILE #17-27

APPROVED BY THE EXETER PLANNING BOARD

ON _____ AND
CHAIRMAN: _____
SECRETARY: _____

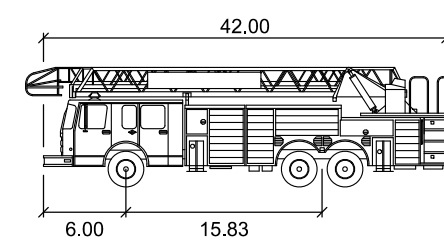
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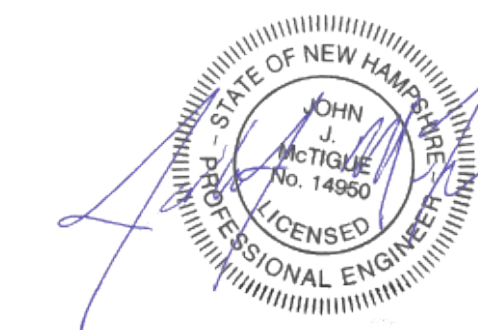
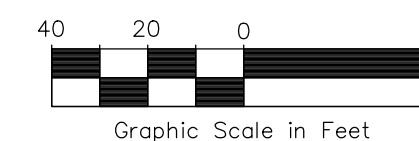
CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION



Exeter Fire Truck feet
Width : 8.00
Track : 8.00
Lock to Lock Time : 6.0
Steering Angle : 45.0

EXETER FIRE TRUCK DETAIL

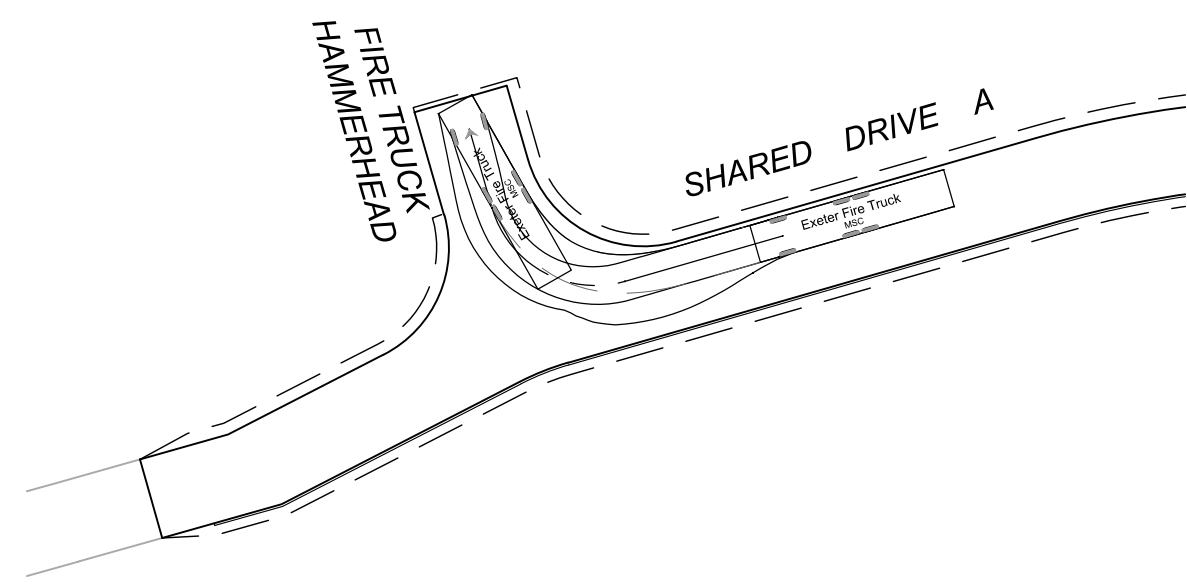
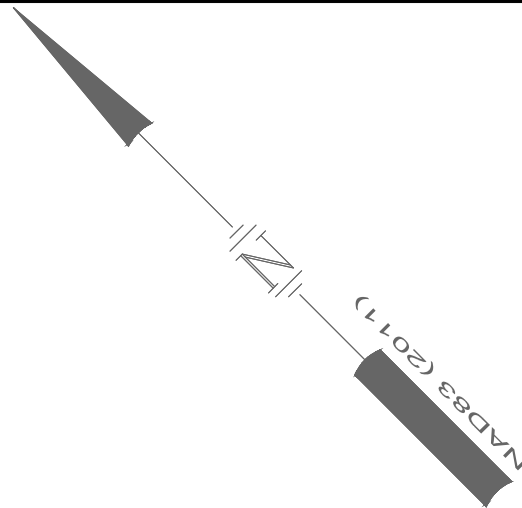
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REV.	DATE	DESCRIPTION	DR	CK
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3	11/05/18	REVISED PER PLANNING BOARD COMMENTS	ETP	JJM
2	10/01/18	REVISED PER PLANNING BOARD COMMENTS	ETP	JJM
1	8/31/18	SHEET ADDED	ETP	JJM

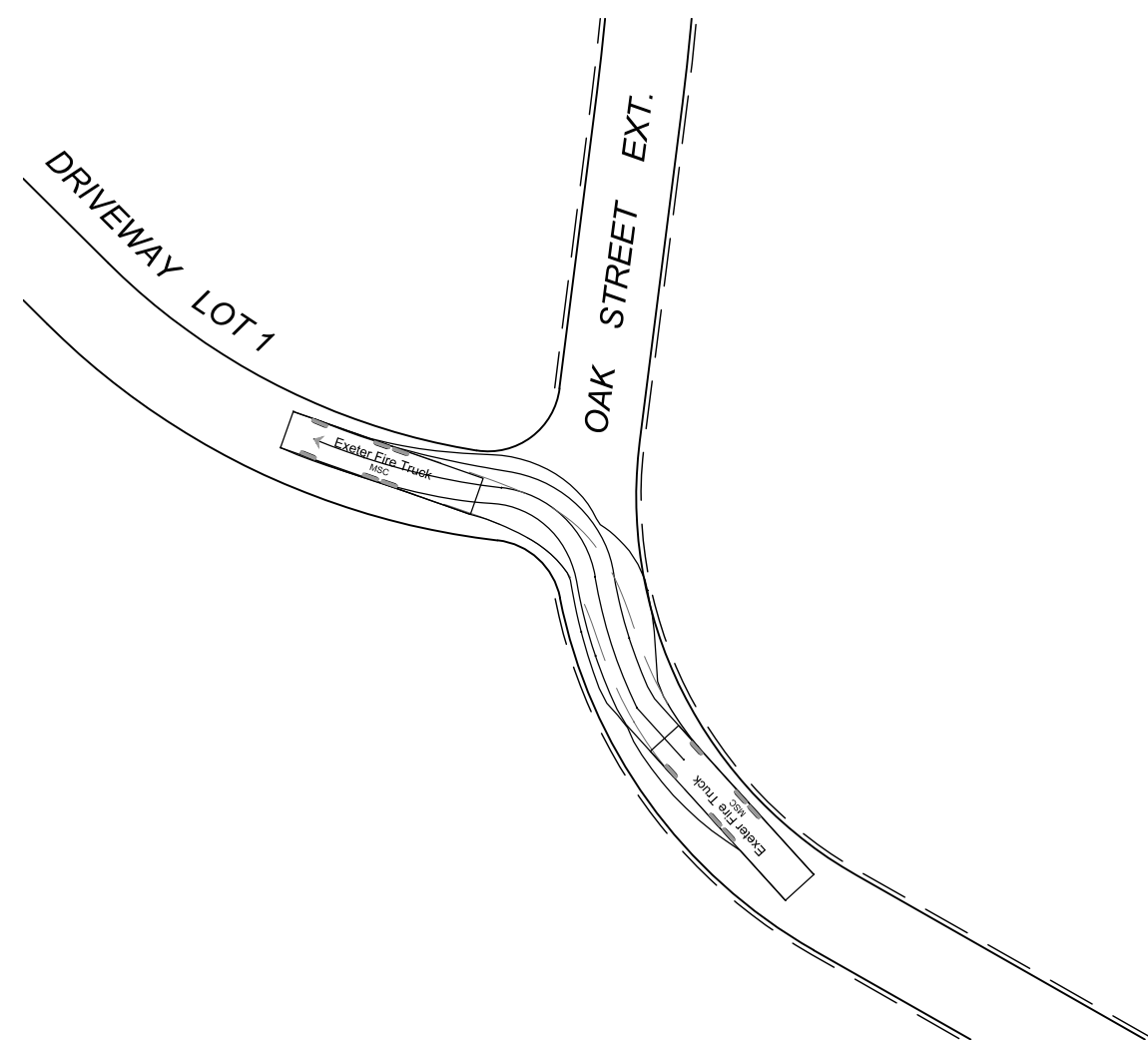
TAX MAP 54 LOTS 5, 6 & 7 TAX MAP 63 LOT 205
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FOREST STREET & OAK STREET EXTENSION
EXETER, NEW HAMPSHIRE, COUNTY OF ROCKINGHAM
BENJAMIN & JOAN DAGOSTINO REVOCABLE TRUST
OWNED BY
EXETER ROSE FARM, LLC & BENJAMIN & JOAN DAGOSTINO REVOCABLE TRUSTS
SCALE: 1"=40'
1"=80'
AUGUST 15, 2017

TFM	MSC A Division of TFMoran, Inc.	Civil Engineers	170 Commerce Way, Suite 102
		Structural Engineers	Portsmouth, NH 03801
		Traffic Engineers	Phone (603) 431-2222
		Land Surveyors	Fax (603) 431-0910
		Landscape Architects	www.tfmoran.com
		Scientists	



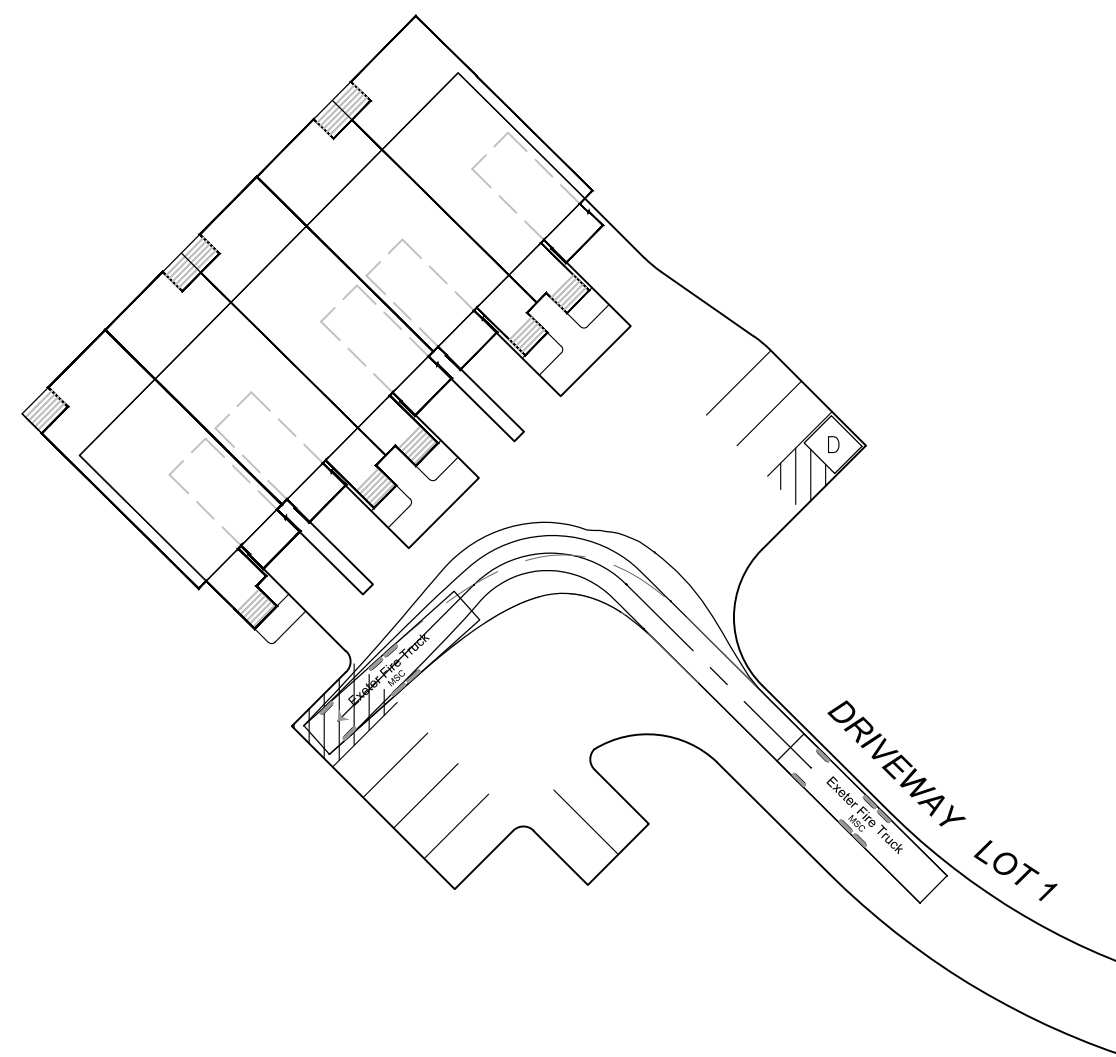
**EXETER FIRE TRUCK
TURN DETAIL**

FROM SHARED DRIVE A HEADING NORTHWEST
ONTO EXETER FIRE TRUCK HAMMERHEAD
HEADING NORTHEAST



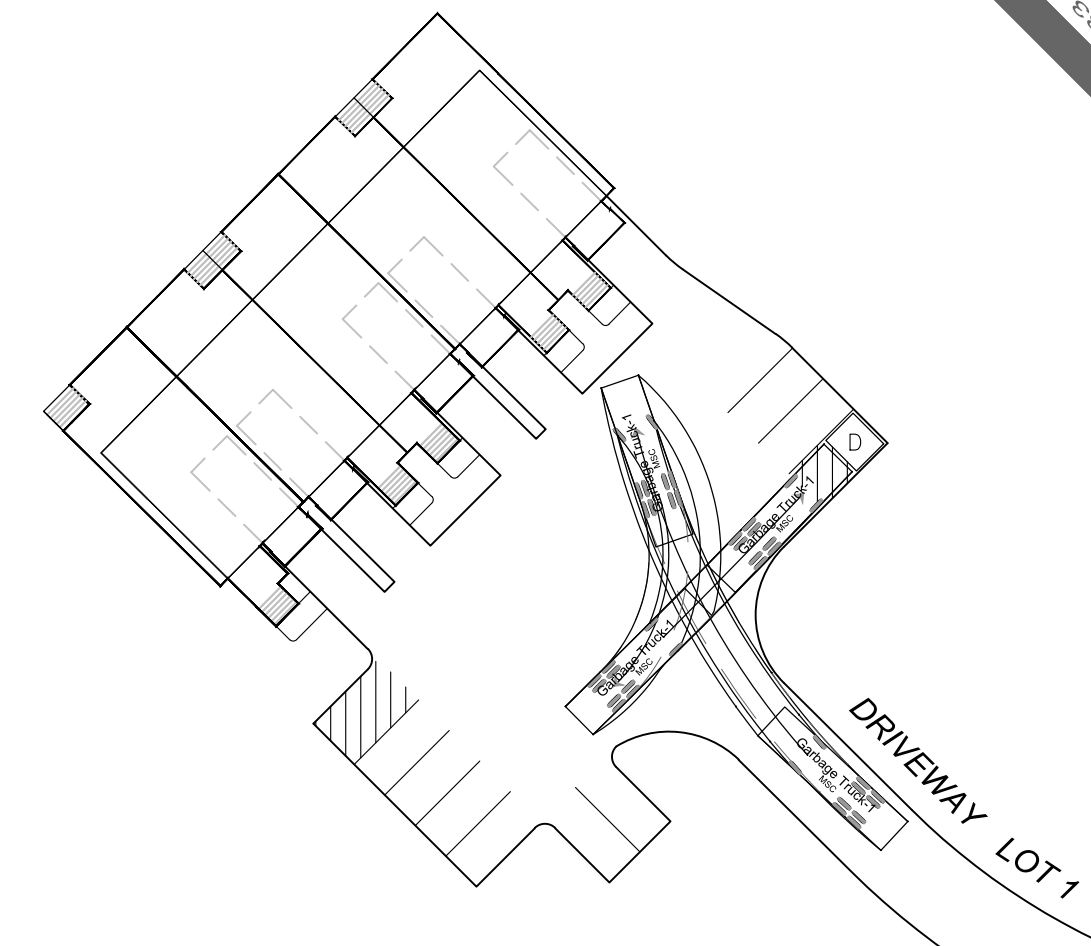
**EXETER FIRE TRUCK
TURN DETAIL**

FROM OAK STREET EXT. HEADING NORTH ONTO
DRIVEWAY LOT 1 HEADING NORTHWEST



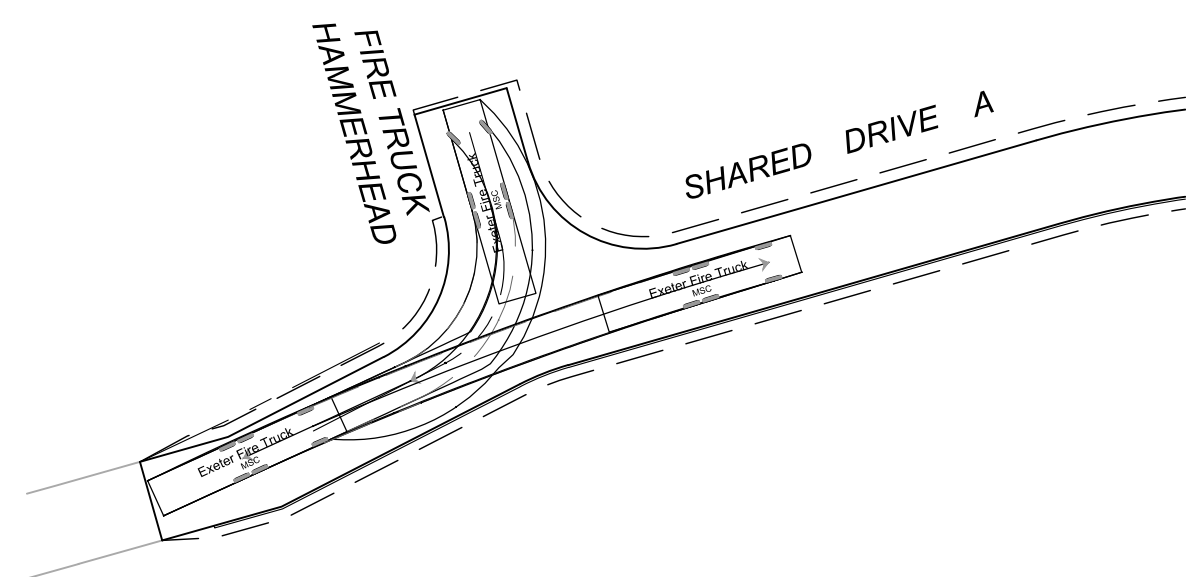
**EXETER FIRE TRUCK
TURN DETAIL**

FROM DRIVEWAY LOT 1 HEADING NORTH INTO
MULTIFAMILY PARKING LOT EXETER FIRE LANE



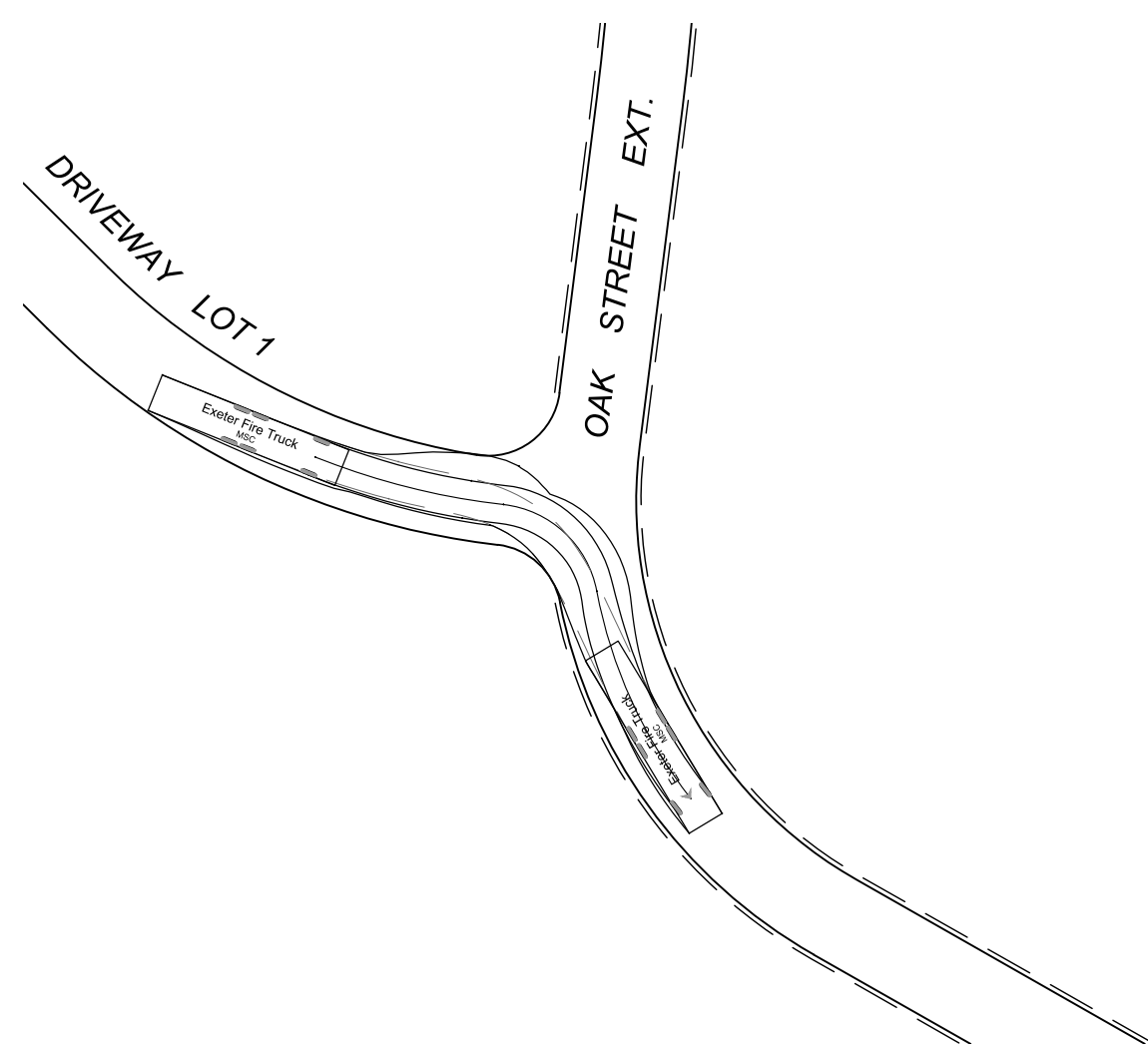
**GARBAGE TRUCK TURN
DETAIL**

FROM DRIVEWAY LOT 1 HEADING NORTH INTO
MULTIFAMILY PARKING LOT



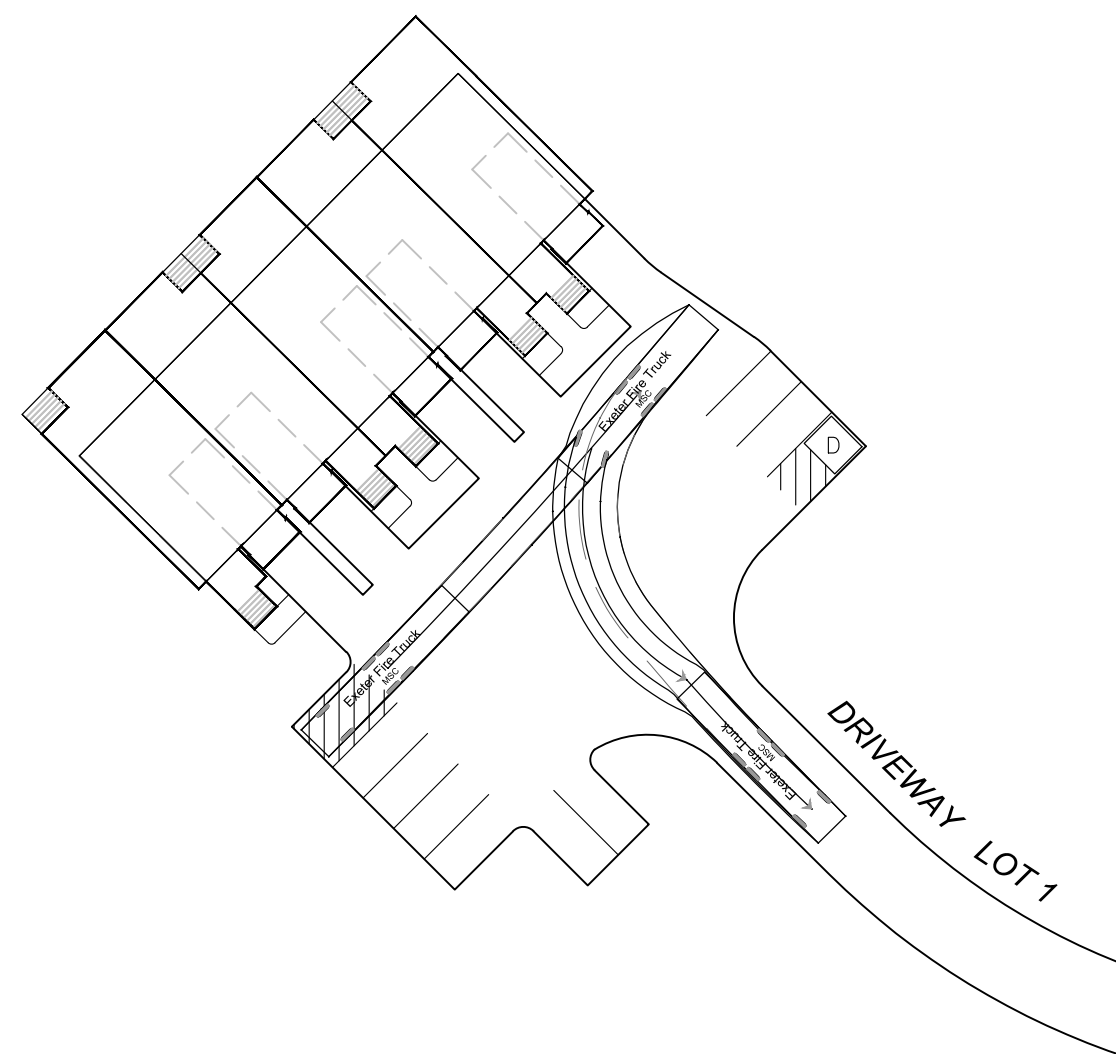
**EXETER FIRE TRUCK
TURN DETAIL**

FROM EXETER FIRE TRUCK HAMMERHEAD
HEADING BACKWARDS TO HEAD SOUTHEAST
ONTO SHARED DRIVE A



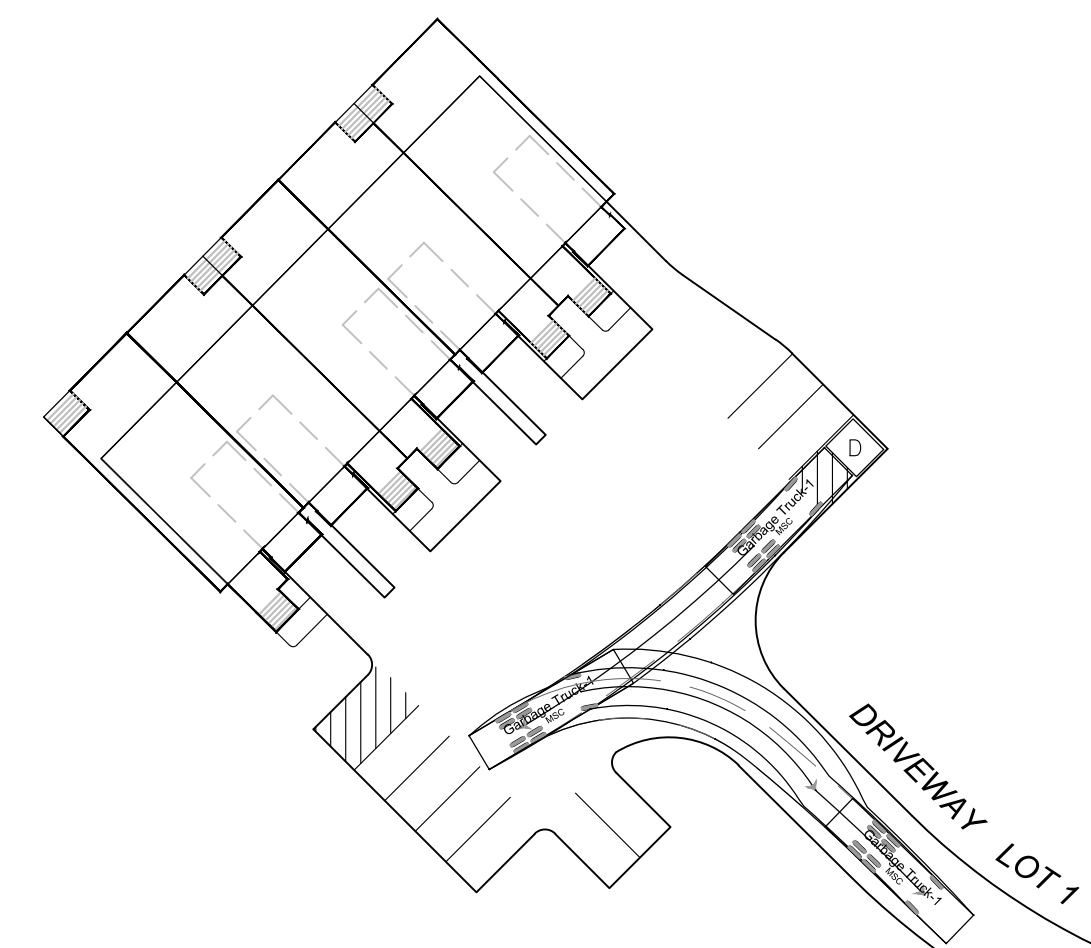
**EXETER FIRE TRUCK
TURN DETAIL**

FROM DRIVEWAY LOT 1 HEADING SOUTHEAST
ONTO OAK STREET EXT. HEADING SOUTH



**EXETER FIRE TRUCK
TURN DETAIL**

FROM MULTIFAMILY PARKING LOT EXETER FIRE
LANE HEADING BACKWARDS TO HEAD SOUTH
ONTO DRIVEWAY LOT 1



**GARBAGE TRUCK TURN
DETAIL**

FROM MULTIFAMILY PARKING LOT HEADING
SOUTH ONTO DRIVEWAY LOT 1

PLANNING BOARD FILE #17-27

APPROVED BY THE EXETER PLANNING BOARD

ON _____ AND _____
CHAIRMAN: _____ SECRETARY: _____

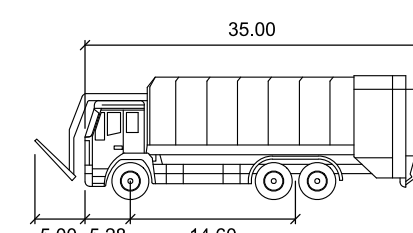
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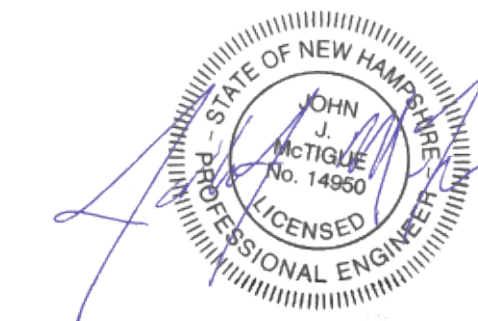
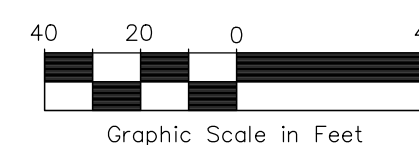
CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION



Garbage Truck feet
Width : 8.20
Track : 8.20
Lock to Lock Time : 6.0
Steering Angle : 35.3

GARBAGE TRUCK DETAIL

SCALE: NTS



REV.	DATE	DESCRIPTION	DR	CK
3	11/05/18	REVISED PER PLANNING BOARD COMMENTS	ETP	JJM
2	10/01/18	REVISED PER PLANNING BOARD COMMENTS	ETP	JJM
1	8/31/18	SHEET ADDED	ETP	JJM

TAX MAP 54 LOTS 5, 6 & 7 TAX MAP 63 LOT 205

DETAILS

EXETER ROSE FARM
FOREST STREET & OAK STREET EXTENSION
EXETER, NEW HAMPSHIRE, COUNTY OF ROCKINGHAM
BENJAMIN & JOAN DAGOSTINO REVOCABLE TRUST

OWNED BY

EXETER ROSE FARM, LLC & BENJAMIN & JOAN DAGOSTINO REVOCABLE TRUSTS

SCALE: 1"=40'
1"=80'

AUGUST 15, 2017



Civil Engineers
Structural Engineers
Traffic Engineers
Land Surveyors
Landscape Architects
Scientists

170 Commerce Way, Suite 102
Portsmouth, NH 03801
Phone (603) 431-2222
Fax (603) 431-0910
www.tfmoran.com

FILE #	47175.00	DR	ETP	FB	CK	JJM	CADFILE	TruckManeuvering.dwg	C-61
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Sep 10, 2021 - 4:58pm F:\MSC\Projects\47175 - Oak Street Extension - Exeter\47175-00 - Baker Properties\47175-00_C3D\Design\Production Drawings\Open Space\47175-00_C-60-61_TruckManeuvering.dwg