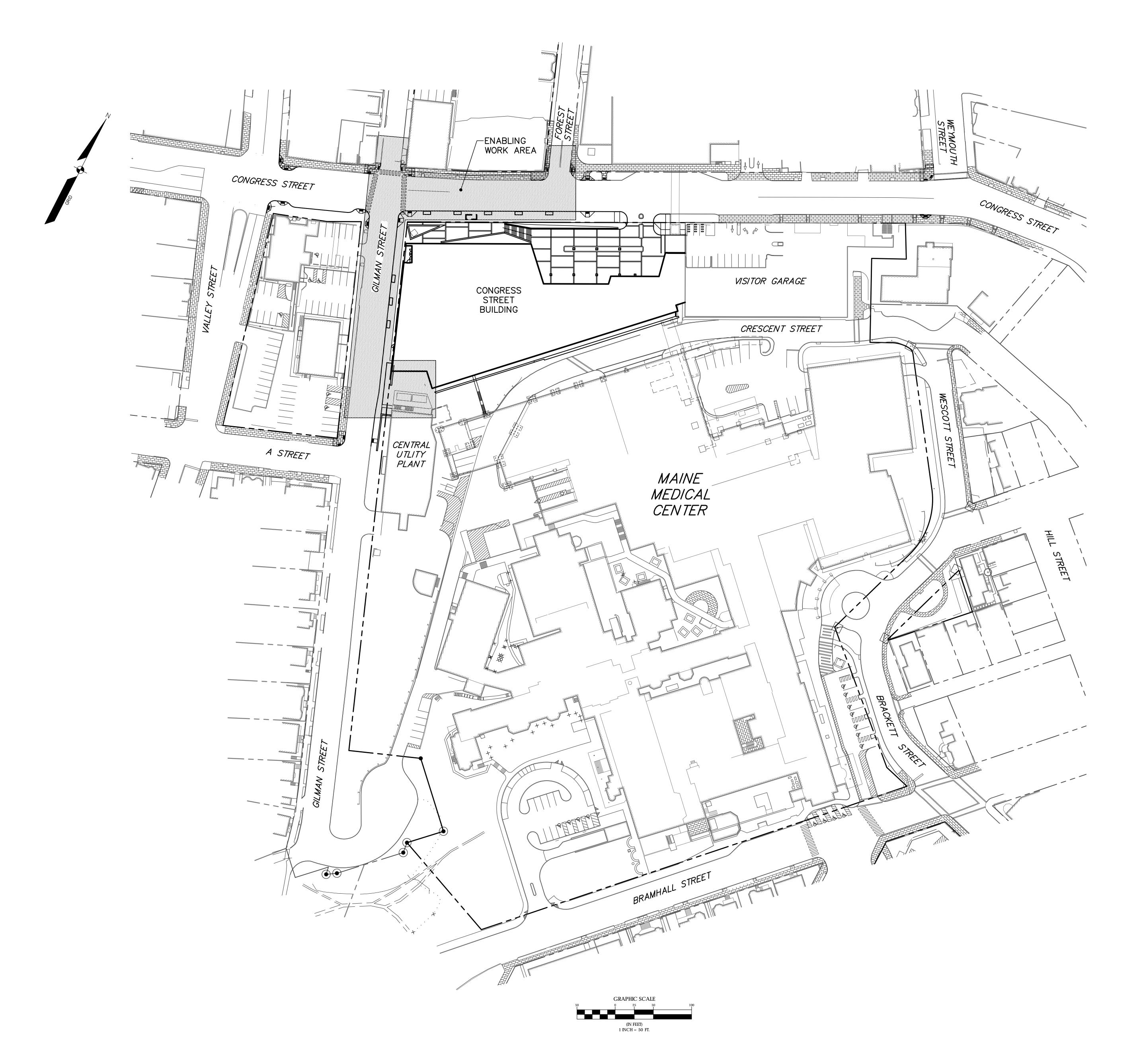
MAINE MEDICAL CENTER CONGRESS STREET ENABLING PACKAGE



SHEET IN	IDEX
SHT NO.	SHEET NAME
C00-00	COVER SHEET
C00-01	GENERAL NOTES AND LEGEND
C01-01	DEMOLITION PLAN
C01-02	SITE LAYOUT PLAN
C02-01	ELECTRICAL CONDUIT
	SCHEMATIC
C03-01	PLAN AND PROFILE:
	CONGRESS STREET
C03-02	PLAN AND PROFILE:
	GILMAN STREET
C03-03	WATER MAIN PLAN
C05-01	DETAILS
C05-02	DETAILS

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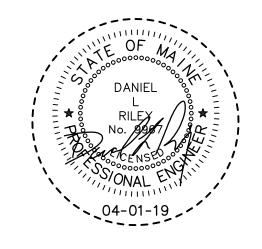
MEDICAL EQUIPMENT PLANNING

Mitchell Planning

630 Dundee Road, Suite 340, Northbrook IL 60062

PROJECT TITLE

Congress Street
Building
22 Bramhall Street
Portland ME 04102



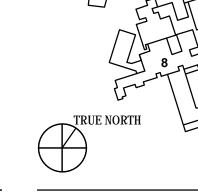
PROJECT KEY PLAN

SECTOR SECTOR VISITORS
01 02 GARAGE

BEAN
BUILDING

OVERALL KEY PLAN

1 - NOT USED
2 - CONGRESS STREET
3 - VISITOR GARAGE
4 - EAST TOWER
5 - CENTRAL UTILITY PLANT
6 - BEAN BUILDING
7 - RICHARDS BUILDING
8 - MAINE GENERAL BUILDING



CONGRESS STREET ENABLING PACKAGE PERMIT SET

 NO
 ISSUE
 DATE

 Job Number
 152189.000

 Drawn
 MAL

 Checked
 WTC

 Approved
 DLR

COVER SHEET/ CONGRESS STREET ENABLING WORK

C00-00

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SHEET NUMBER

GENERAL NOTES

- 1. LOCATIONS OF UTILITIES ARE APPROXIMATE AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE ALL THE UTILITIES LOCATE THEIR SERVICES PRIOR TO THE START OF CONSTRUCTION. THE LOCATION, TYPE AND SIZE OF EXISTING PIPES, DUCTS, CONDUITS AND OTHER UNDERGROUND UTILITIES AND STRUCTURES SHOWN ON THE DRAWINGS ARE NOT WARRANTED TO BE EXACT NOR IS IT WARRANTED THAT ALL UNDERGROUND UTILITIES AND STRUCTURES ARE SHOWN. INFORMATION SHOWN IS CONSIDERED APPROXIMATE BOTH AS TO SIZE AND LOCATION AND IS INDICATED ON THE DRAWINGS TO GIVE BIDDERS A GENERAL IDEA OF EXISTING CONDITIONS. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACTOR SHALL NOT RELY UPON THESE DRAWINGS FOR SUCH INFORMATION AND SHALL MAKE EXAMINATIONS IN THE FIELD BY VARIOUS AVAILABLE METHODS AND SHALL OBTAIN INFORMATION FROM UTILITY CORPORATIONS AND INDIVIDUALS AS TO THE LOCATION OF ALL SUBSURFACE STRUCTURES, BOTH PUBLIC AND PRIVATE PRIOR TO COMMENCEMENT OF CONSTRUCTION. DEPTH OF SERVICES ARE UNKNOWN AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR. EXCAVATING TEST PITS AS NECESSARY TO VERIFY UTILITY LOCATIONS AND DEPTHS SHALL BE INCIDENTAL TO THIS PROJECT.
- 2. PRIOR TO THE BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SECURE A STREET OPENING PERMIT FROM THE PORTLAND PUBLIC WORKS DEPARTMENT.
- 3. PROPERTY MARKERS AND STREET LINE MONUMENTS SHALL BE PROPERLY PROTECTED AND SHALL NOT BE DISTURBED. IF DISTURBED, THEY SHALL BE REPLACED BY A LICENSED SURVEYOR.
- 4. DEMOLITION SHALL BE COMPLETED IN COORDINATION WITH NEW INFRASTRUCTURE.
- 5. ALL EXISTING CATCH BASINS, MANHOLES, CONNECTIONS, CONDUIT AND PIPING SHALL BE CLEANED AND LEFT IN SATISFACTORY OPERATING CONDITION AFTER CONSTRUCTION HAS BEEN COMPLETED. NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK.
- 6. ALL LAWN AREAS, WALKWAYS, AND DRIVEWAYS OUTSIDE THE WORK AREA, DAMAGED BY THE CONTRACTOR, SHALL BE REPAIRED BY
- BE REMOVED. 8. EXISTING PAVEMENT SHALL BE SAW CUT AND BUTTED TO THE NEW PAVEMENT. NO FEATHERING OF PAVEMENT WILL BE PERMITTED.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF ALL TREES AND SHRUBS ON THE PROJECT WHICH ARE NOT TO

- DRIVEWAY BUTT JOINTS ARE INCIDENTAL TO THE WORK.
- 9. EXISTING SEWER, DRAINAGE AND UTILITY STRUCTURES SHALL NOT BE DISTURBED UNLESS OTHERWISE NOTED IN THE DRAWINGS OR BY 10. BEFORE CONNECTING NEW PIPES TO AN EXISTING SEWER LINE. THE CONTRACTOR SHALL NOTIFY THE SEWER MAINTENANCE DIVISION OF
- THE CITY OF PORTLAND PUBLIC WORKS DEPARTMENT. NO WORK SHALL BE DONE WITHOUT THEIR APPROVAL. 11. GRADING SIDE SLOPES OF DRIVEWAYS IS INCIDENTAL TO THE WORK.
- 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY TRENCH PAVEMENT THAT HAS EXPERIENCED EXCESSIVE SETTLEMENT. CRACKING, OR OPENING OF JOINTS. REPAIRS MAY INCLUDE OVERLAY, REMOVAL OF UNACCEPTABLE MATERIALS, COMPLETE REPLACEMENT, JOINT SEALING, OR REBUTTING PAVEMENT AS REQUIRED. THIS WORK MAY BE NECESSARY AFTER THE FINAL ACCEPTANCE OF WORK OR PRIOR TO THE END OF THE ONE YEAR GUARANTEE. THIS WORK SHALL BE DONE AT THE CONTRACTOR'S
- 13. THE FINISHED PAVEMENT SURFACE GRADE SHALL MATCH EXISTING GRADE UNLESS NOTED OTHERWISE.
- 14. ALL MANHOLE FRAMES SHALL BE SUPPLIED WITH H-20 LOADING AND SOLID MANHOLE COVERS. THE RIM ELEVATION OF PROPOSED STORM AND SEWER MANHOLES SHALL BE SET AT FINISHED PAVEMENT SURFACE GRADE. WINTERIZATION WILL BE REQUIRED. SEE STANDARD DETAILS. STRUCTURES SHALL BE INSTALLED TO ALLOW UP TO 6" OF FUTURE VERTICAL ADJUSTMENT OF THE GRATE AND
- 15. NEW CATCH BASINS SHALL BE INSTALLED WITH A TYPE A-4 CATCH BASIN INLET STONE INCIDENTAL UNLESS INDICATED OTHERWISE ON THE PLANS. RIM ELEVATIONS SHOWN ON THE PLANS FOR PROPOSED CATCH BASINS ARE GIVEN AS THE EXSITING ROAD GRADES AND WILL BE ADJUSTED IN A FUTURE CONSTRUCTION PACKAGE. THE GRADES PROVIDED AT THE FACE OF CURB AND DO NOT TAKE INTO ACCOUNT THE 3" DEPRESSION FROM THE NORMAL GUTTER LINE GRADE AS SHOWN IN THE DETAILS. CONTRACTOR SHALL INSTALL PROPOSED CATCH BASINS TO ALLOW FOR FUTURE RIM ELEVATIONS 3" LOWER THAN THE ELEVATIONS SHOWN ON PLANS.
- 16. ON ALL "REMOVE" STRUCTURES, THE CONTRACTOR SHALL REMOVE THE STRUCTURE ENTIRELY. ALL EXISTING GRANITE CATCH BASIN STONES, MANHOLE FRAMES AND COVERS TO BE REMOVED SHALL BE DELIVERED TO A LOCATION AS DIRECTED BY THE CONSTRUCTION MANAGER. REMOVAL OF EXISTING STRUCTURAL CONCRETE, CONCRETE, EXCAVATED STRUCTURES, MANHOLES, CATCH BASINS, MORTARED STONE MASONRY, CONCRETE MASONRY, WOODEN TIMBERS/PILES AND ANY OTHER STRUCTURAL ELEMENTS ENCOUNTERED DURING CONSTRUCTION ARE INCIDENTAL TO WORK.
- 17. REMOVAL OF EXISTING STORM DRAINS, SEWER PIPES OR OTHER PIPE STRUCTURES, BACKFILLING AND ALL ASSOCIATED WORK SHALL BE CONSIDERED INCIDENTAL TO THE COSTS OF CONSTRUCTION. 18. ALL TERMINAL MANHOLES SHALL HAVE BRICK CHANNELS CONSTRUCTED STRAIGHT THROUGH THE MANHOLE.
- 19. THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS AS REQUIRED TO PERFORM THE WORK AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE APPLICABLE FEDERAL,
- 20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT OF ALL PROPOSED WORK AS SHOWN ON THE DRAWINGS. CATCH BASIN OFFSETS WITHIN ROADWAY ARE TO THE CENTER OF STRUCTURE AND ARE LOCATED BASED ON A FUTURE CURBLINE TO BE
- ENGINEER PRIOR TO SETTING CATCH BASINS. DRAIN AND SEWER MANHOLE OFFSETS ARE TO CENTER OF STRUCTURE. 21. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL "AS-BUILT" LOCATIONS AND INVERT ELEVATIONS INFORMATION FOR ALL PIPE

CONSTRUCTED IN A FUTURE CONSTRUCTION PACKAGE. THE CONTRACTOR SHALL CONFIRM THE FUTURE CURB INLET OFFSET WITH THE

- 22. THE EXISTING COLLECTION SYSTEM INCLUDING GRAVITY SEWERS AND STORM DRAINS SHALL REMAIN FULLY OPERATIONAL DURING CONSTRUCTION UNTIL PROJECT IS COMPLETED AND ACCEPTED BY OWNER. THE CONTRACTOR SHALL FULLY COORDINATE CONSTRUCTION ACTIVITIES WITH THE OWNER'S OPERATIONS TO MINIMIZE ADVERSE IMPACTS ON THEIR EXISTING OPERATIONS. THE COST OF ADDITIONAL WORK REQUIRED TO MAINTAIN EXISTING OPERATIONS THROUGHOUT CONSTRUCTION OPERATIONS IS INCIDENTAL TO THE WORK. THE NECESSITY TO COORDINATE CONSTRUCTION ACTIVITIES WITH OWNER OPERATIONS WILL NOT BE CONSIDERED A VALID OR MERITORIOUS REASON FOR A DELAY CLAIM OR TIME EXTENSION.
- 23. THERE MAY BE ONE OR MORE CONTRACTORS PERFORMING WORK IN THE PROJECT AREA. COORDINATION BETWEEN CONTRACTORS IS A PRIMARY RESPONSIBILITY OF EACH CONTRACTOR WITH THE INTENT TO AVOID DELAYS, COMPLICATIONS AND UNDO DISRUPTION OF
- 24. THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN A SAFE MANNER AT ALL TIMES DURING CONSTRUCTION. THE MOST CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) MANUAL FOR BOTH WORK ZONE AND TRAFFIC CONTROL REQUIREMENTS
- 25. EXISTING FACILITIES AND IMPROVEMENTS (I.E. LIGHT POLES, SIGNS, ETC.) SHALL BE REMOVED AND REPLACED OR PROTECTED AS REQUIRED DURING CONSTRUCTION AND SHALL BE CONSIDERED INCIDENTAL TO THE WORK. BRACING OF UTILITY POLES, WHERE REQUIRED, SHALL BE INCIDENTAL TO THE WORK.

SHALL APPLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CREATING A TRAFFIC CONTROL PLAN.

- 26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF ALL TREES ON THE PROJECT WHICH ARE NOT CALLED TO BE REMOVED. EQUIPMENT AND MATERIALS SHALL NOT BE STORED OVER THE ROOT ZONE WHICH SHALL BE DEFINED AS THE AREA ENCOMPASSED BY THE DRIPLINE. WHENEVER POSSIBLE, OTHER PLANTINGS SHALL BE PRESERVED BY WHATEVER METHOD NECESSARY INCLUDING TRANSPLANTING AND/OR TEMPORARY RELOCATION. THE ASSOCIATED COSTS ARE INCIDENTAL TO THE PROJECT. ANY TREES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED USING APPROVED TREE DRESSING OR PAINT.
- 27. CONNECTIONS OF NEW PIPING TO EXISTING FACILITIES INCLUDES ALL WORK REQUIRED TO CORE HOLE, INSTALL WATERTIGHT CONNECTIONS, AND ALL ASSOCIATED WORK.
- 28. ALL PIPE TRENCH EXCAVATIONS SHALL BE BACKFILLED AND CLOSED DURING CONTRACTOR NON-WORKING HOURS INCLUDING NIGHTS, HOLIDAYS AND WEEKENDS. THE CONTRACTOR MAY REQUEST IN WRITING TO THE ENGINEER AND OWNER TO SECURE OPEN EXCAVATION IN LIEU OF BACKFILLED AND CLOSED. NOT ALLOWING A SECURE OPEN EXCAVATION SHALL NOT BE A BASIS FOR CLAIMS AGAINST THE
- 29. TEST PITS SHALL BE EXCAVATED AS SHOWN OR NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL OBTAIN THE LOCATION OF THE UTILITY/STRUCTURE IN QUESTION WITH TIES TO SURROUNDING FEATURES AND THE ELEVATION OF BOTH THE TOP AND BOTTOM OF THE UTILITY/STRUCTURE. COSTS FOR TEST PITS ARE INCIDENTAL TO THE WORK. TEST PITS ARE REQUIRED AND ALL WATER MAIN/SERVICE AND GAS MAIN/SERVICE CROSSINGS. ADDITIONAL TESTS MAY BE REQUIRED TO LOCATE AND CONFIRM THE DEPTH OF OTHER UTILITIES CROSSED BY THE WORK INCLUDING EXISTING SEWERS, STORM DRAINS AND TELECOMMUNICATIONS
- 30. ANY EXCAVATION BY CONTRACTOR THAT UNCOVERS A HISTORICAL OR ARCHAEOLOGICAL ARTIFACT SHALL BE IMMEDIATELY REPORTED
- 31. NEW PIPE SHALL BE INSTALLED WITH 1' VERTICAL SEPARATION FROM THE PROPOSED WATER MAIN AT ITS DESIGN DEPTH WHERE POSSIBLE. EXISTING SEWER LATERALS TO BE REPLACED MAY BE IN CONFLICT WITH THE PROPOSED WATER MAIN. THE CONTRACTOR SHALL COORDINATE THE WORK TO PROVIDE ADEQUATE VERTICAL SEPARATION AT THE CROSSINGS.

EROSION AND SEDIMENTATION CONTROL NOTES

THE FOLLOWING TEMPORARY AND PERMANENT EROSION AND SEDIMENTATION CONTROL DEVICES WILL BE IMPLEMENTED AS PART OF THE SITE DEVELOPMENT. THESE DEVICES SHALL BE INSTALLED AS INDICATED ON THE PLANS OR AS DESCRIBED WITHIN THIS PLAN. WINTER CONSTRUCTION IS NOT ANTICIPATED. BUT IF CONSTRUCTION IS NECESSARY BETWEEN SEPTEMBER 15 AND APRIL 15 THE CONTRACTOR IS REFERRED TO SECTION 8.4 -WINTER STABILIZATION PLAN AND 8.5 -STANDARDS FOR TIMELY STABILIZATION OF CONSTRUCTION SITE DURING WINTER. FOR FURTHER REFERENCE, SEE THE MAINE EROSION AND SEDIMENT CONTROL HANDBOOK FOR CONSTRUCTION: BEST

A. TEMPORARY EROSION CONTROL MEASURES

- . MAINTENANCE OF EROSION CONTROL MEASURES IS OF PARAMOUNT IMPORTANCE TO THE CITY OF PORTLAND. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL EROSION CONTROL MEASURES SHOWN ON THE PLANS. ADDITIONAL EROSION CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTIONS BY THE CITY OR ITS REPRESENTATIVES AT NO
- 2. LAND DISTURBING ACTIVITIES SHALL BE ACCOMPLISHED IN A MANNER AND SEQUENCE THAT CAUSES THE LEAST PRACTICAL DISTURBANCE OF THE SITE. 3. PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL INSTALL EROSION CONTROL BMPs AS SHOWN OR NOTED ON THE PLANS AND AS REQUIRED BY GENERAL ACCEPTED PRACTICES FOR STREET WORK IN PORTLAND.
- 4. SILTATION FENCE SHALL BE INSTALLED DOWN GRADIENT OF ANY DISTURBED AREAS TO TRAP RUNOFF-BORNE SEDIMENTS UNTIL GRASS AREAS ARE REVEGETATED. THE SILT FENCE SHALL BE INSTALLED PER THE DETAILS PROVIDED ON THIS PLAN AND INSPECTED BEFORE AND IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. REPAIRS SHALL BE MADE IF THERE ARE ANY SIGNS OF EROSION OR SEDIMENTATION BELOW THE FENCE LINE. IF THERE ARE SIGNS OF UNDERCUTTING AT THE CENTER OR THE EDGES, OR IMPOUNDING OF LARGE VOLUMES OF WATER BEHIND THE FENCE, THE BARRIER SHALL BE REPLACED WITH A STONE CHECK DAM.
- 5. FOR WORK WHICH IS CONDUCTED BETWEEN SEPTEMBER 15TH AND APRIL 15TH OF ANY CALENDAR YEAR, ALL DISTURBED AREAS, SHALL BE COVERED WITH HAY MULCH OR EROSION CONTROL MIX, APPLIED AT TWICE THE NORMAL APPLICATION RATE AND ANCHORED WITH A FABRIC NETTING. THE TIME PERIOD FOR APPLYING MULCH SHALL BE LIMITED TO 7 DAYS FOR ALL AREAS. 6. PUBLIC WAYS SHALL BE SWEPT, AS NECESSARY, TO CONTROL MUD AND DUST.
- 7. SILT FENCING WITH A MINIMUM STAKE SPACING OF 6 FEET SHOULD BE USED, UNLESS THE FENCE IS SUPPORTED BY WIRE FENCE REINFORCEMENT OF MINIMUM 14 GAUGE AND WITH A MAXIMUM MESH SPACING OF 6 INCHES, IN WHICH CASE STAKES MAY BE
- SPACED A MAXIMUM OF 10 FEET APART. THE BOTTOM OF THE FENCE SHALL BE EMBEDDED IN A SOIL TRENCH. 8. WATER AND/OR CALCIUM CHLORIDE SHALL BE FURNISHED AND APPLIED IN ACCORDANCE WITH MAINE DOT SPECIFICATIONS -
- 9. LOAM AND SEED IS INTENDED TO SERVE AS THE PRIMARY PERMANENT REVEGETATIVE MEASURE FOR ALL DISTURBED AREAS NOT PROVIDED WITH OTHER EROSION CONTROL MEASURES. SUCH AS RIPRAP. 10. ALL CATCH BASINS WITH DISTURBED TEMPORARY AREA SHALL HAVE CATCH BASIN INLET FILTERS INSTALLED. CATCH BASIN INLET FILTERS SHALL BE MAINTAINED PRIOR TO AND AFTER ALL RAINFALL EVENTS.

B. PERMANENT EROSION CONTROL MEASURES

SECTION 637 - DUST CONTROL.

- THE FOLLOWING PERMANENT EROSION AND SEDIMENTATION CONTROL MEASURES WILL BE IMPLEMENTED AS PART OF THE EROSION AND SEDIMENTATION CONTROL PLAN: 1. ALL AREAS DISTURBED DURING CONSTRUCTION NOT SUBJECT TO OTHER RESTORATION (PAVING, RIPRAP, ETC.) SHALL BE LOAMED, LIMED, FERTILIZED, MULCHED, AND SEEDED. FABRIC NETTING ANCHORED WITH STAPLES SHALL BE PLACED OVER THE MULCH IN AREAS AS NOTED IN PARAGRAPH 8.3.5.A.3. ALL AREAS WITHIN 100 FEET OF UNDISTURBED WETLANDS SHALL BE MULCHED PRIOR TO ANY PREDICTED RAIN EVENT REGARDLESS OF THE 7-DAY WINDOW. NATIVE TOPSOIL SHALL BE STOCKPILED AND REUSED FOR FINAL RESTORATION IF DEEMED TO BE OF SUFFICIENT QUALITY.
- 2. CATCH BASINS SHALL BE PROVIDED WITH SEDIMENT (SEE DETAILS) AND SEDIMENT HOODS IF CALLED FOR ON THE PLANS.

8.4 WINTER STABILIZATION PLAN

8.4.1 SOIL STOCKPILES

8.4.2 NATURAL RESOURCE PROTECTION

ONE (1) INCH PRIOR TO MULCH APPLICATION.

8.4.4 SLOPE AND DITCH MULCHING

THE WINTER CONSTRUCTION PERIOD BEGINS SEPTEMBER 15 AND ENDS APRIL 15. IF THE CONSTRUCTION SITE IS NOT STABILIZED WITH PAVEMENT, ROAD GRAVEL BASE, 75 PERCENT MATURE VEGETATION COVER, OR RIPRAP BY NOVEMBER 15, ALL EXPOSED AREAS SHALL BE PROTECTED WITH OVER-WINTER STABILIZATION. AN EXPOSED AREA IS ANY AREA NOT STABILIZED WITH PAVEMENT, VEGETATION, MULCHING, EROSION CONTROL MAT, RIPRAP, OR GRAVEL BASE (ROAD ONLY).

WINTER EXCAVATION AND EARTHWORK SHALL BE COMPLETED SUCH THAT ANY AREA LEFT EXPOSED CAN BE CONTROLLED BY THE CONTRACTOR TO THE SATISFACTION OF THE THIRD PARTY EROSION CONTROL INSPECTOR. EXPOSED AREAS SHALL BE LIMITED TO THOSE AREAS IN WHICH WORK IS EXPECTED TO COMMENCE AND COMPLETE IN THE NEXT FIFTEEN (15) DAYS AND THAT CAN BE MULCHED WITHIN ONE DAY PRIOR TO ANY SNOW EVENT.

ALL FUTURE ROADWAY AREAS SHALL BE CLASSIFIED EXPOSED UNTIL SUBBASE GRAVEL HAS BEEN INSTALLED; ALL FUTURE LOAM AND SEED AREAS SHALL BE CLASSIFIED EXPOSED UNTIL THEY HAVE BEEN LOAMED, SEEDED, AND MULCHED. HAY AND STRAW MULCH SHALL BE APPLIED AT TWICE THE NORMAL RATE, OR 150 LBS./1,000 S.F. (3 TONS/ACRE) MINIMUM, AND SHALL BE PROPERLY ANCHORED. THE CONTRACTOR SHALL INSTALL ANY ADDITIONAL MEASURES AS NECESSARY TO CONTROL EROSION AND SEDIMENTATION FROM THE SITE DEPENDENT UPON THE ACTUAL SITE AND WEATHER CONDITIONS. EARTHWORK OPERATIONS ON OTHER AREAS SHALL NOT COMMENCE UNTIL THE EXPOSED SOIL SURFACE ON PREVIOUS AREAS BEING WORKED ON HAS BEEN STABILIZED IN ORDER TO MINIMIZE THE QUANTITY OF EXPOSED AREA AT ANY GIVEN TIME.

STOCKPILES OF SOIL OR SUBSOIL SHALL BE MULCHED FOR OVER-WINTER PROTECTION WITH HAY OR STRAW AT TWICE THE NORMAL RATE -150 LBS/1,000 S.F. (3 TONS/ACRE) -OR WITH A 4-INCH LAYER OF WOODWASTE EROSION CONTROL MIX. THIS MULCHING SHALL BE DONE WITHIN 24 HOURS OF STOCKING AND SHALL BE RE-ESTABLISHED PRIOR TO ANY RAINFALL OR SNOWFALL EVENT. NO SOIL STOCKPILE, MULCHED OR OTHERWISE, SHALL BE PLACED WITHIN 100 FEET OF ANY NATURAL RESOURCE.

ANY AREA WITHIN 100 FEET OF A NATURAL RESOURCE THAT IS NOT STABILIZED WITH A MINIMUM 75 PERCENT MATURE VEGETATION CATCH SHALL BE MULCHED BY DECEMBER 1 AND ANCHORED WITH PLASTIC NETTING OR PROTECTED WITH EROSION CONTROL MATS. A DOUBLE-LINE SEDIMENT BARRIER -SILT FENCE BACKED WITH HAY BALES OR EROSION CONTROL MIX -SHALL BE PLACED BETWEEN ANY NATURAL RESOURCE AND THE DISTURBED AREA. ANY NATURAL RESOURCE CROSSINGS SHALL BE PROTECTED TO MINIMUM DISTANCE OF 100 FEET ON EITHER SIDE OF THE RESOURCE.

8.4.3 GENERAL MULCHING ALL FUTURE LOAM AND SEED AREAS SHALL BE CONSIDERED DENUDED UNTIL THEY HAVE BEEN LOAMED, SEEDED, AND MULCHED. HAY AND STRAW MULCH SHALL BE APPLIED AT TWICE THE NORMAL RATE, OR 150 LBS/1,000 S.F. (3 TONS/ACRE), AND SHALL BE PROPERLY ANCHORED. IN NO INSTANCE SHALL MULCH BE SPREAD ON TOP OF SNOW, SNOW SHALL BE REMOVED DOWN TO A MAXIMUM DEPTH OF

AFTER FACH DAY OF FINAL GRADING. THE AREA SHALL BE PROPERLY STABILIZED WITH ANCHORED HAY, STRAW, OR FROSION CONTROL MATTING. AN AREA SHALL BE CONSIDERED STABILIZED WHEN EXPOSED SURFACES HAVE BEEN MULCHED WITH STRAW OR HAY AT A RATE OF 150 LBS/1,000 S.F. (3TONS/ACRE) AND ADEQUATELY ANCHORED TO THE EXTENT THAT THE GROUND SURFACE IS NOT VISIBLE THOUGH THE MULCH. ALL MULCH SHALL BE ANCHORED BY PEG LINE, MULCH NETTING, TRACKING, OR WOOD CELLULOSE FIBER. MULCH SHALL BE CONSIDERED SUFFICIENT WHEN THE GROUND SURFACE IS NO LONGER VISIBLE.

SLOPES SHALL NOT BE LEFT EXPOSED FOR ANY EXTENDED PERIOD OF TIME UNLESS FULLY MULCHED AND ANCHORED WITH PEG AND NETTING OR EROSION CONTROL BLANKET. MULCH SHALL BE APPLIED TO ALL SLOPES GREATER THAN 8 PERCENT AT A RATE OF 230 LBS/1,000 S.F. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH SLOPES GREATER THAT 3 PERCENT FOR ALL SLOPES EXPOSED TO DIRECT WINDS, AND FOR ALL OTHER SLOPES GREATER THAN 8 PERCENT. EROSION CONTROL BLANKETS SHALL BE USED IN LIEU OF MULCH IN ALL DRAINAGE WAYS WITH SLOPES GREATER THAN OR EQUAL TO 8 PERCENT. EROSION CONTROL MIX MAY BE SUBSTITUTED FOR EROSION CONTROL BLANKETS ON ALL SLOPES NOT ASSOCIATED WITH DITCHES.

BETWEEN THE DATES OF OCTOBER 15 AND APRIL 1, LOAM AND SEED SHALL NOT BE REQUIRED. DURING PERIODS OF ABOVE-FREEZING TEMPERATURES, FINISHED AREAS SHALL BE FINE GRADED AND PROTECTED WITH MULCH OR TEMPORARILY SEEDED AND MULCHED UNTIL FINAL TREATMENT CAN BE APPLIED. IF AFTER NOVEMBER 1 THE EXPOSED AREA HAS BEEN LOAMED AND FINAL GRADED WITH A UNIFORM SURFACE, THE AREA MAY BE DORMANT-SEEDED AT A RATE THREE TIMES THAT SPECIFIED FOR PERMANENT SEEDING AND MULCHED. DORMANT SEEDING MAY BE PLACED PRIOR TO THE PLACEMENT OF MULCH AND STAPLE-ANCHORED FABRIC NETTING. ALL DISTURBED AREAS RECEIVING DORMANT SEEDING SHALL RECEIVE FOUR (4) INCHES OF LOAM AND SHALL BE SEEDED AT A RATE OF 5 LBS/1,000 S.F. ALL AREAS SEEDED DURING THE WINTER SHALL BE INSPECTED IN THE SPRING FOR ADEQUATE CATCH. ALL AREAS INSUFFICIENTLY VEGETATED AT THIS TIME (LESS THAN 75 PERCENT CATCH) SHALL BE RE-VEGETATED WITH LOAM, SEED, AND MULCH. IF DORMANT SEEDING IS NOT USED, ALL DISTURBED AREAS SHALL BE RE-VEGETATED IN THE SPRING.

8.4.6 DEWATERING AND TEMPORARY STREAM DIVERSION

SECONDARY CONTAINMENT STRUCTURE (E.G. HAY BALE LINED POOL) PRIOR TO DISCHARGE. A DISCHARGE LOCATION SHALL BE SELECTED THAT AVOIDS FLOODING, ICING, AND SEDIMENT DISCHARGE TO ANY PROTECTED RESOURCE. IN NO INSTANCE SHALL FILTER BAGS OR CONTAINMENT STRUCTURES BE LOCATED WITHIN 100 FEET OF A PROTECTED NATURAL RESOURCE.

WATER FROM CONSTRUCTION TRENCH DEWATERING OR TEMPORARY STREAM DIVERSION SHALL PASS THROUGH A FILTER BAG OR

8.4.7 INSPECTION AND MONITORING

MAINTENANCE MEASURES SHALL BE APPLIED AS NEEDED THROUGHOUT THE ENTIRE CONSTRUCTION PHASE. AFTER EACH RAINFALL EVENT. SNOWFALL EVENT. OR PERIOD OF THAWING AND RUNOFF. CONTRACTOR SHALL PERFORM A VISUAL INSPECTION OF ALL INSTALLED EROSION CONTROL MEASURES AND PERFORM REPAIRS AS NEEDED TO ENSURE THEIR PROPER CONTINUOUS FUNCTION. IN THE SPRING FOLLOWING TEMPORARY AND/OR FINAL SEEDING AND MULCHING, CONTRACTOR SHALL INSPECT AND REPAIR ANY DAMAGED AND/OR UNESTABLISHED AREAS. VEGETATIVE COVER IS CONSIDERED ESTABLISHED WHEN A MINIMUM 85 TO 90 PERCENT OF VEGETATED AREAS EXHIBIT VIGOROUS

<u>HOUSEKEEPING:</u>

SEDIMENT AND DUST.

THE FOLLOWING GENERAL PERFORMANCE STANDARDS APPLY TO THE PROPOSED PROJECT:

- CONTROLS MUST BE USED TO PREVENT POLLUTANTS FROM CONSTRUCTION AND WASTE MATERIALS STORED ON SITE TO ENTER STORMWATER, WHICH INCLUDES STORAGE PRACTICES TO MINIMIZE EXPOSURE OF THE MATERIALS TO STORMWATER. THE SITE CONTRACTOR OR OPERATOR MUST DEVELOP, AND IMPLEMENT AS NECESSARY, APPROPRIATE SPILL PREVENTION, CONTAINMENT, AND
- B. GROUNDWATER PROTECTION: DURING CONSTRUCTION, LIQUID PETROLEUM PRODUCTS AND OTHER HAZARDOUS MATERIALS WITH THE POTENTIAL TO CONTAMINATE GROUNDWATER MAY NOT BE STORED OR HANDLED IN AREAS OF THE SITE DRAINING TO AN INFILTRATION AREA. AN "INFILTRATION AREA" IS ANY AREA OF THE SITE THAT BY DESIGN OR AS A RESULT OF SOILS, TOPOGRAPHY AND OTHER RELEVANT FACTORS
- ACCUMULATES RUNOFF THAT INFILTRATES INTO THE SOIL. DIKES, BERMS, SUMPS, AND OTHER FORMS OF SECONDARY CONTAINMENT THAT PREVENT DISCHARGE TO GROUNDWATER MAY BE USED TO ISOLATE PORTIONS OF THE SITE FOR THE PURPOSES OF STORAGE AND HANDLING OF THESE MATERIALS. ANY PROJECT PROPOSING INFILTRATION OF STORMWATER MUST PROVIDE ADEQUATE PRE-TREATMENT OF STORMWATER PRIOR TO DISCHARGE OF STORMWATER TO THE INFILTRATION AREA, OR PROVIDE FOR TREATMENT WITHIN THE INFILTRATION AREA, IN ORDER TO PREVENT THE ACCUMULATION OF FINES, REDUCTION IN INFILTRATION RATE, AND CONSEQUENT FLOODING AND DESTABILIZATION. C. FUGITIVE SEDIMENT AND DUST:
- ACTIONS MUST BE TAKEN TO ENSURE THAT ACTIVITIES DO NOT RESULT IN NOTICEABLE EROSION OF SOILS OR FUGITIVE DUST. EMISSIONS DURING OR AFTER CONSTRUCTION. OIL MAY NOT BE USED FOR DUST CONTROL, BUT OTHER WATER ADDITIVES MAY BE CONSIDERED AS NEEDED. A STABILIZED CONSTRUCTION ENTRANCE (SCE) SHOULD BE INCLUDED TO MINIMIZE TRACKING OF MUD AND SEDIMENT. IF OFF-SITE TRACKING OCCURS, PUBLIC ROADS SHOULD BE SWEPT IMMEDIATELY AND NO LESS THAN ONCE A WEEK AND PRIOR TO SIGNIFICANT STORM EVENTS. OPERATIONS DURING DRY MONTHS, THAT EXPERIENCE FUGITIVE DUST PROBLEMS, SHOULD WET DOWN UNPAVED ACCESS ROADS ONCE A WEEK OR MORE FREQUENTLY AS NEEDED WITH A WATER ADDITIVE TO SUPPRESS FUGITIVE
- MINIMIZE THE EXPOSURE OF CONSTRUCTION DEBRIS, BUILDING AND LANDSCAPING MATERIALS, TRASH, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS TO PRECIPITATION AND STORMWATER RUNOFF. THESE MATERIALS MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE.
- E. EXCAVATION DE-WATERING: FXCAVATION DF-WATERING IS THE REMOVAL OF WATER FROM TRENCHES. FOUNDATIONS, COFFER DAMS, PONDS, AND OTHER AREAS WITHIN THE CONSTRUCTION AREA THAT RETAIN WATER AFTER EXCAVATION. IN MOST CASES THE COLLECTED WATER IS HEAVILY SILTED AND HINDERS CORRECT AND SAFE CONSTRUCTION PRACTICES. THE COLLECTED WATER REMOVED FROM THE PONDED AREA, EITHER THROUGH GRAVITY OR PUMPING, MUST BE SPREAD THROUGH NATURAL WOODED BUFFERS OR REMOVED TO AREAS THAT ARE SPECIFICALLY DESIGNED TO COLLECT THE MAXIMUM AMOUNT OF SEDIMENT POSSIBLE, LIKE A COFFERDAM SEDIMENTATION BASIN. AVOID ALLOWING THE WATER TO FLOW OVER DISTURBED AREAS OF THE SITE. EQUIVALENT MEASURES MAY BE TAKEN IF APPROVED BY THE DEPARTMENT.
- F. AUTHORIZED NON-STORMWATER DISCHARGES: IDENTIFY AND PREVENT CONTAMINATION BY NON-STORMWATER DISCHARGES. WHERE ALLOWED NON-STORMWATER DISCHARGES EXIST, THEY MUST BE IDENTIFIED AND STEPS SHOULD BE TAKEN TO ENSURE THE IMPLEMENTATION OF APPROPRIATE POLLUTION PREVENTION
- MEASURES FOR THE NON-STORMWATER COMPONENT(S) OF THE DISCHARGE. AUTHORIZED NON-STORMWATER DISCHARGES ARE:
- 1. DISCHARGES FROM FIREFIGHTING ACTIVITY; FIRE HYDRANT FLUSHINGS; 2. VEHICLE WASHWATER IF DETERGENTS ARE NOT USED AND WASHING IS LIMITED TO THE EXTERIOR OF VEHICLES (ENGINE, UNDERCARRIAGE AND TRANSMISSION WASHING IS PROHIBITED);
- 3. DUST CONTROL RUNOFF IN ACCORDANCE WITH PERMIT CONDITIONS; 4. ROUTINE EXTERNAL BUILDING WASHDOWN, NOT INCLUDING SURFACE PAINT REMOVAL, THAT DOES NOT INVOLVE DETERGENTS; 5. PAVEMENT WASHWATER (WHERE SPILLS/LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE NOT OCCURRED, UNLESS ALL SPILLED MATERIAL HAD BEEN REMOVED) IF DETERGENTS ARE NOT USED;
- 6. UNCONTAMINATED AIR CONDITIONING OR COMPRESSOR CONDENSATE; 7. UNCONTAMINATED GROUNDWATER OR SPRING WATER: FOUNDATION OR FOOTER DRAIN-WATER WHERE FLOWS ARE NOT CONTAMINATED:
- 8. UNCONTAMINATED EXCAVATION DEWATERING;
- 9. POTABLE WATER SOURCES INCLUDING WATERLINE FLUSHINGS; LANDSCAPE IRRIGATION;

UNAUTHORIZED NON-STORMWATER DISCHARGES: THE DEP DOES NOT AUTHORIZE A DISCHARGE THAT IS MIXED WITH A SOURCE OF NON_STORMWATER, SPECIFICALLY, THE

- DEPARTMENT'S APPROVAL DOES NOT AUTHORIZE DISCHARGES OF THE FOLLOWING: 1. WASTEWATER FROM THE WASHOUT OR CLEANOUT OF CONCRETE, STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS OR OTHER CONSTRUCTION MATERIALS:
- 2. FUELS, OILS OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; 3. SOAPS, SOLVENTS, OR DETERGENTS USED IN VEHICLE AND EQUIPMENT WASHING;
- 4. TOXIC OR HAZARDOUS SUBSTANCES FROM A SPILL OR OTHER RELEASE.

I FGFND

LLGLIND		
EXISTING	DESCRIPTION	PROP
	PROPERTY LINE/R.O.W.	
	- ABUTTER LINE/R.O.W	<i>I</i> .
	- DEED LINE/R.O.W.	
	- TIE LINE	
	- SETBACK	
· ·	- EASEMENT	· _
	BUFFER	
	- FLOODPLAIN	
	- FLOODWAY	
	- CENTERLINE	
⊡	MONUMENT	
0	IRON PIPE/ROD	
©	DRILL HOLE	(
C1/L1	DEED CALL	
C1/L1	CURVE/LINE NO.	C1,
	● SOILS	·
	ZONE LINE	

BENCHMARK BENCHMARK WITH ELEVATION

SURVEY CONTROL -TP-1 TEST PIT (MW) MW-1 MONITORING WELL '_////// BUILDING DECK/STEPS/ [」]OVERHANC

WETLANDS UPLANDS STREAM

— EDGE CONCRETE — PAVEMENT PAINT ————— --- --- EDGE GRAVEL _ _ _ _ _ _ CURB LINE TREELINE ---120-- ---118-- CONTOURS ×120.00 SPOT GRADE TOTAL SUARD RAIL STONE WALL RETAINING WALL DECIDUOUS TREE

CONIFEROUS TREE MULCH LINE BOLLARD RAILROAD ———G ——— GAS GAS GATE VALVE GAS METER GAS MANHOLE — WATER WATER GATE VALVE WATER SHUT OFF

HYDRANT WATER MANHOLE ----FM ----FORCE MAIN ----FU----SANITARY MANHOLE -----SD------STORM DRAIN -----UD ------ UNDER DRAIN DRAINAGE MANHOLE

ELECTRIC METER HVAC UNIT TELEPHONE MANHOLE

LIGHT POLE UTILITY POLE GUY WIRE DRAINAGE DITCH ► EROSION CONTROL

RIPRAP CHECK DAM

_____ ____ ___ · ___ ____

_ ___

ZONE LINE ON PL

----EDGE WETLAND

----- EDGE PAVEMENT PAVEMENT SAWCUT — — — — — —

EDGE OF WATER $\sim\sim\sim$ 120----|120.00 ---- O ----- CHAIN LINK FENCE ---- O -----_____ X ____ BARB WIRE FENCE _____ **X** _____ ---- STOCKADE FENCE --- - -

.000000000 • • •

——OHU——OVERHEAD UTILITY ——OHU—— ———UGU——— UNDERGROUND UTILITY———·UGU·——— TRANSFORMER PAD ELECTRICAL MANHOLE

FILTER BARRIER ———FB——— INLET PROTECTION

225 Franklin Street, Suite 1100 Boston, MA 02110 t 617.478.0300 f 617.478.0321 www.perkinswill.com

PERKINS

CLIENT Maine Medical Center

Maine Medical Center 22 Bramhall Street

Portland, ME 04102

CONSULTANTS CIVIL/ LANDSCAPE ARCHITECT Sebago Technics Inc. 75 John Roberts Road, Suite 4A, South Portland, ME 04106

STRUCTURAL ENG/ BUILDING ENVELOPE CONSULTANT Simpson Gumpertz & Heger Inc. 41 Seyon Street, Building 1, Suite 500, Waltham, MA 02453 MEPFP ENGINEER/CODE/LOW VOLTAGE

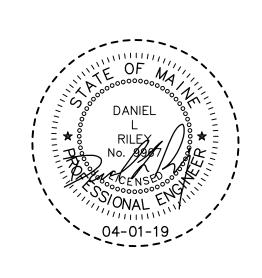
AKF Group LLC 99 Bedford Street, 2nd Floor, Boston, MA 02111 CONSTRUCTION MANAGER TURNER CONSTRUCTION

2 Seaport Lane, Suite 200, Boston, MA 02210 **ELEVATOR CONSULTANT** VDA (Van Deusen & Associates) 101 Summer Street, 4th Floor, Boston, MA 02110

COST ESTIMATOR D.G. Jones International 3 Baldwin Green Common, Suite 202, Woburn, MA 01801 MEDICAL EQUIPMENT PLANNING Mitchell Planning

> PROJECT TITLE Congress Street 22 Bramhall Street

> > Portland ME 04102



KEY PLANS PROJECT KEY PLAN SECTOR

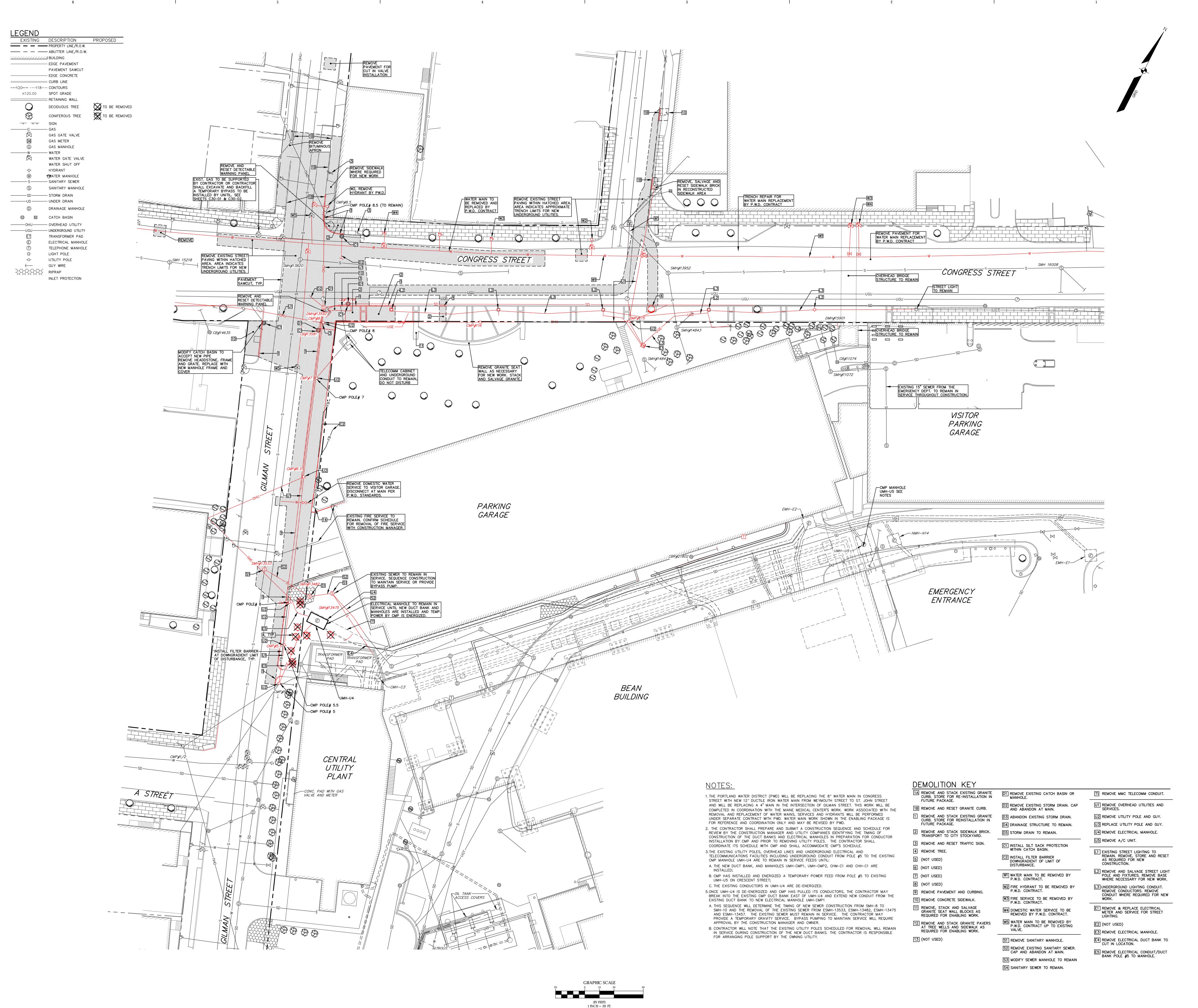
> -----OVERALL KEY PLAN 1 - NOT USED 2 - CONGRESS STREET 3 - VISITOR GARAGE 4 - EAST TOWER 5 - CENTRAL UTILITY PLANT 6 - BEAN BUILDING 7 - RICHARDS BUILDING 8 - MAINE GENERAL BUILDING

> > CONGRESS STREET **ENABLING PACKAGE** PERMIT SET APRIL 01, 2019

152189.000

GENERAL NOTES AND LEGEND **CONGRESS STREET ENABLING WORK**

SHEET NUMBER



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Maine Medical Center

Maine Medical Center

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MEDICAL EQUIPMENT PLANNING

Mitchell Planning

Congress Street
Building
22 Bramhall Street

Portland ME 04102



PROJECT KEY PLAN

SECTOR SECTOR VISITORS
01 02 GARAGE

OVERALL KEY PLAN

1 - NOT USED
2 - CONGRESS STREET
3 - VISITOR GARAGE
4 - EAST TOWER
5 - CENTRAL UTILITY PLANT
6 - BEAN BUILDING
7 - RICHARDS BUILDING
8 - MAINE GENERAL BUILDING

TRUE NORTH

CONGRESS STREET ENABLING PACKAGE PERMIT SET APRIL 09, 2019

 1
 REVISED PER CMP
 04-09-19

 NO
 ISSUE
 DATE

 Job Number
 152189.000

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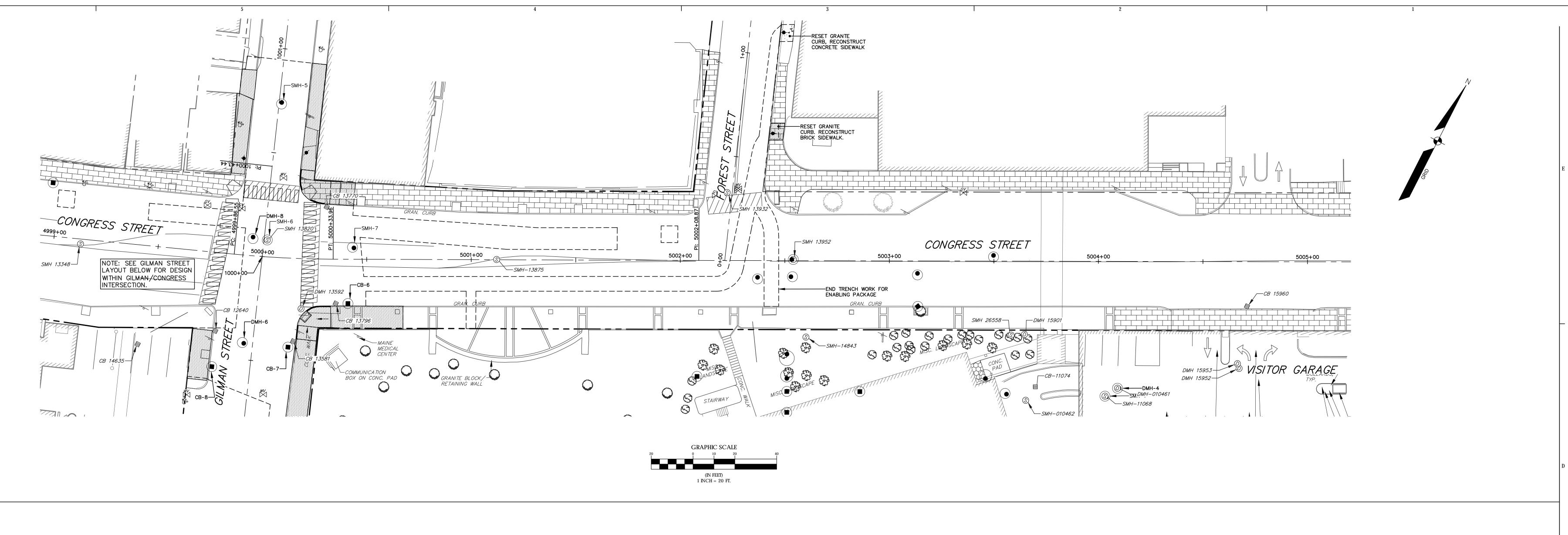
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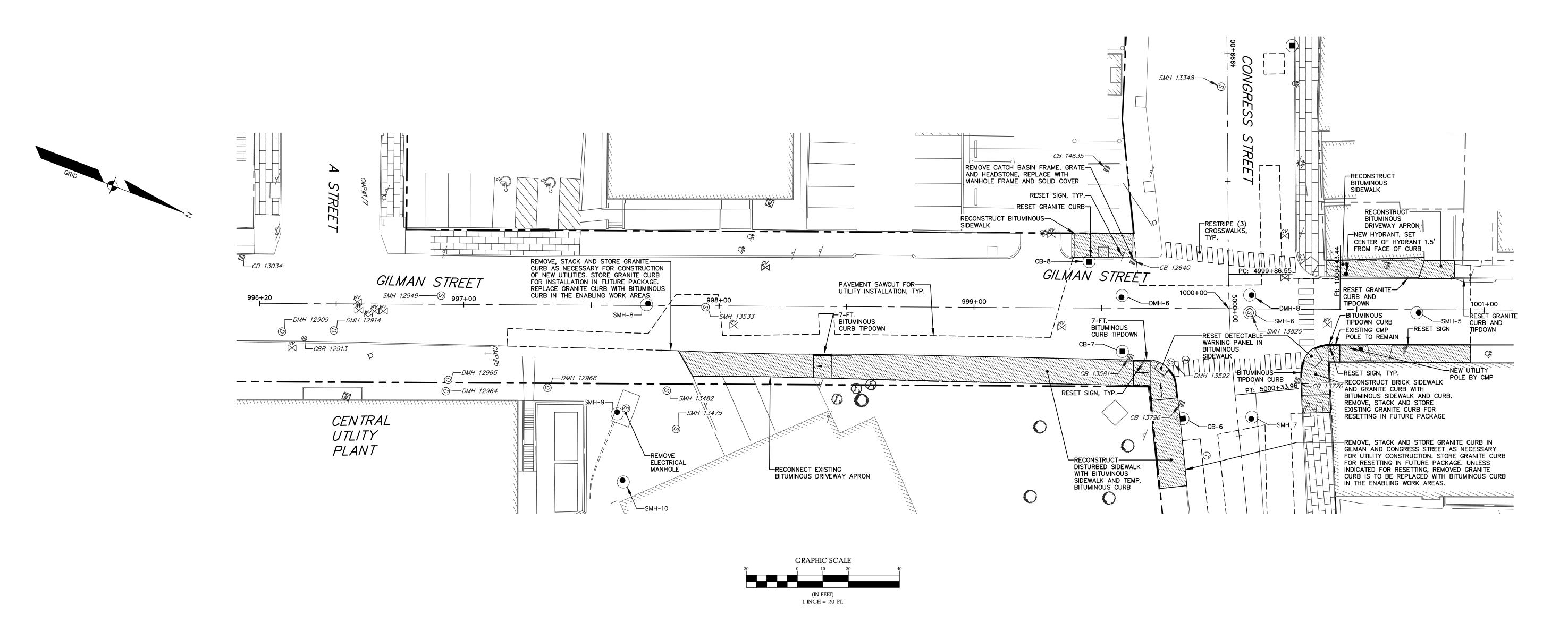
DEMOLITION PLAN /
CONGRESS STREET

ENABLING WORK

SHEET NUMBER

C01-0





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Maine Health

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MEDICAL EQUIPMENT PLANNING

Mitchell Planning

PROJECT TITLE

Congress Street
Building
22 Bramhall Street
Portland ME 04102



PROJECT KEY PLAN

SECTOR SECTOR VISITORS
01 02 GARAGE

BUILDING

OVERALL KEY PLAN

1 - NOT USED
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CONGRESS STREET ENABLING PACKAGE PERMIT SET APRIL 09, 2019

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 04-09-19

 NO
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 DATE

 Job Number
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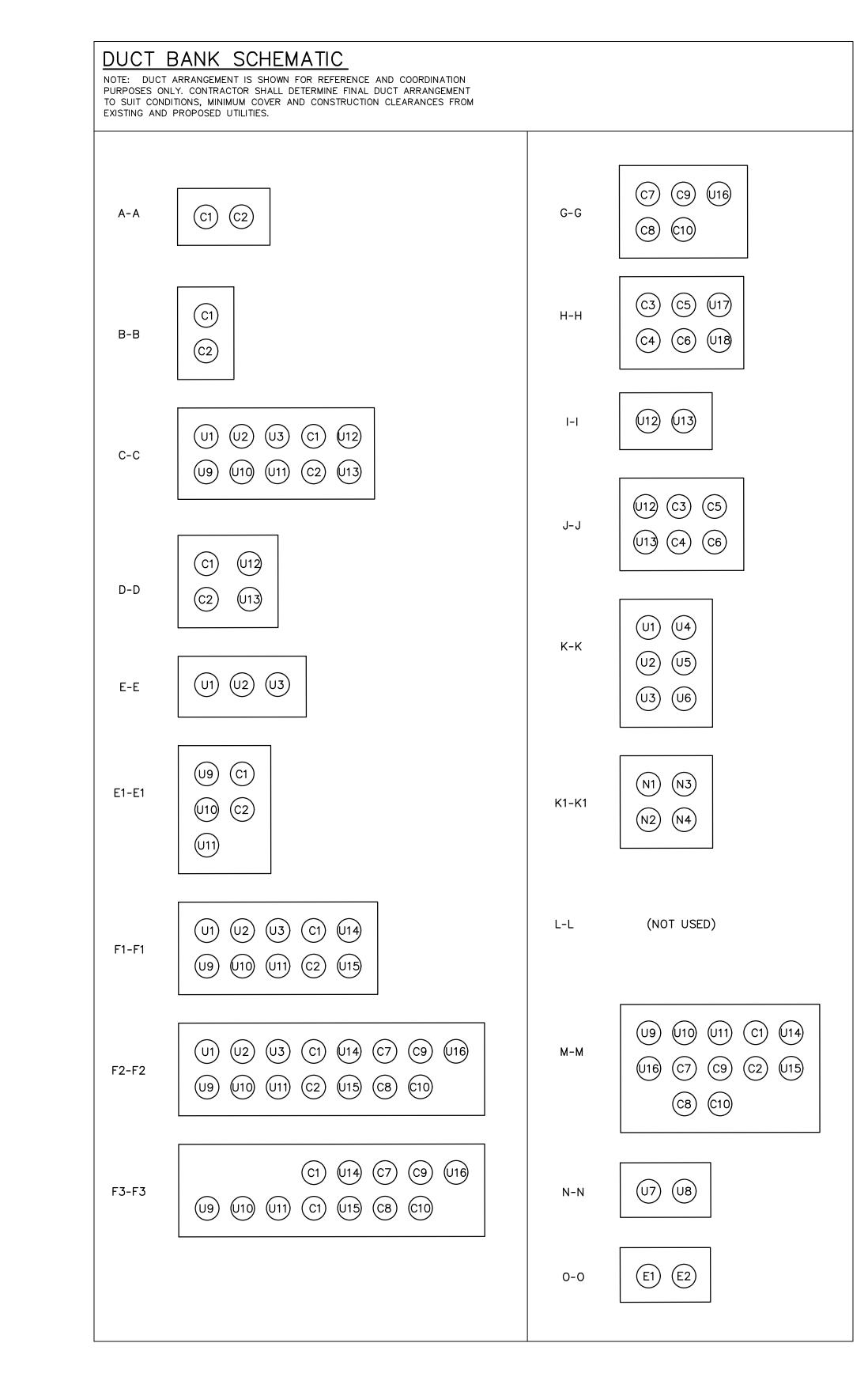
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 WTC

TITLE

SITE LAYOUT PLAN/ CONGRESS STREET ENABLING WORK

C01-02

SHEET NUMBER



INSTALL NEW RISERS ON EXISTING CMP POLE #2

SMH#1484

S SMH#14847

STUB AND CAP CONDUIT FOR EXTENSION TO BUILDING IN FUTURE PACKAGE. CONFIRM LIMITS OF WORK WITH CONSTRUCTON MANAGER.

REMOVE POLE 7, CONNECT
U14 AND U15 TO EXISTING
UNDERGROUND CONDUIT
AT POLE 7 LOCATION

—STUB AND CAP CONDUIT FOR EXTENSION TO BUILDING IN FUTURE PACKAGE. CONFIRM LIMITS OF WORK WITH CONSTRUCTON MANAGER.

----EMH-MMC1 (TO BE INSTALLED IN FUTURE PACKAGE)

CONC. PAD WITH GAS
VALVE AND METER

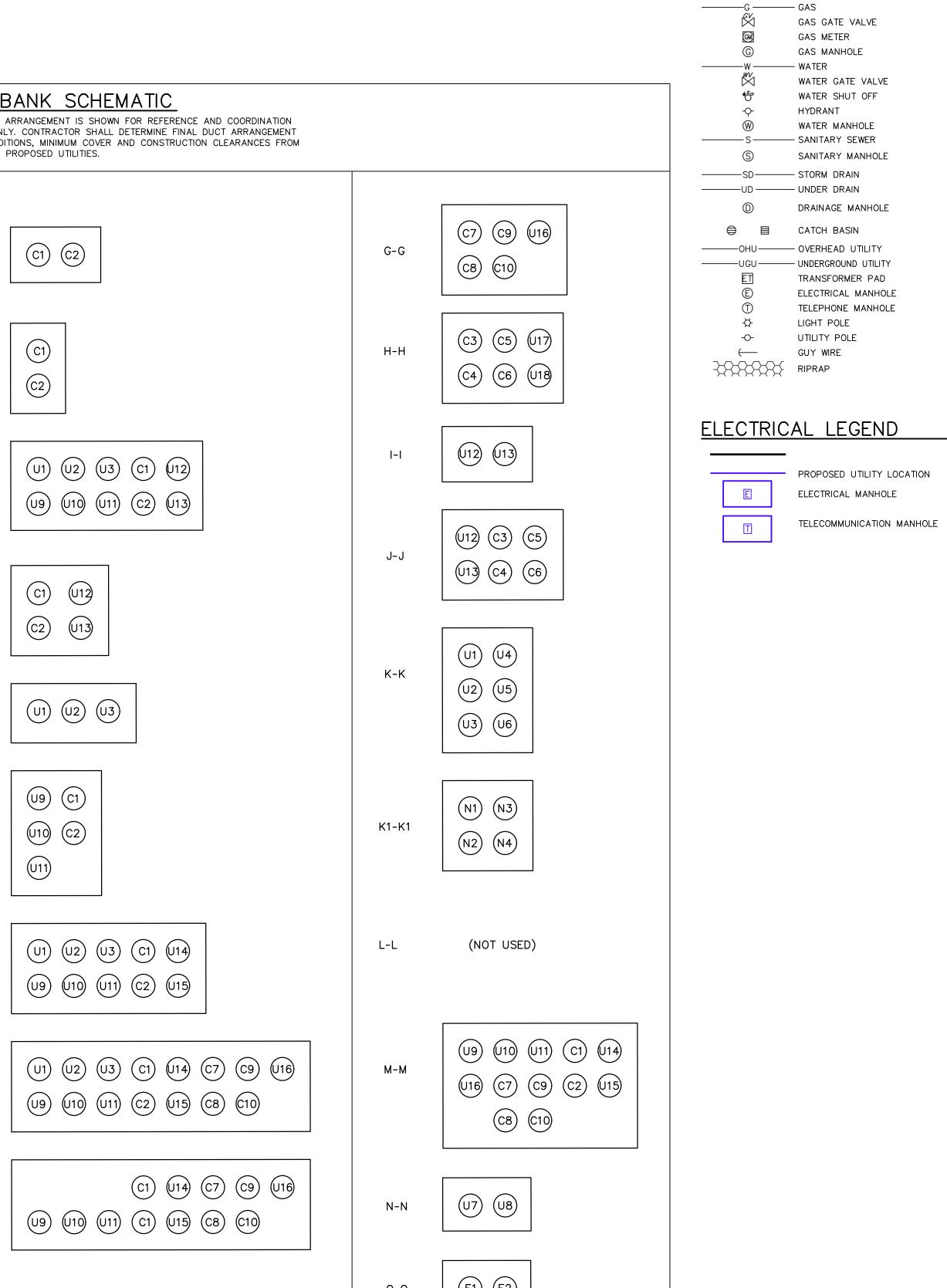
(IN FEET) 1 INCH = 20 FT.

TUB AND CAP CONDUIT AT LIMITS OF FUTURE EARTH RETENTION.
CONFIRM LIMIT OF WORK WITH CONSTRUCTION MANAGER.

CONGRESS STREET

A STREET

		CONDU	IT SCHEDULE			
NDUIT ID	ORIGIN	DESTINATION	VIA	SIZE	CONDUIT USE / OWNER	REMARKS
U1	CMP POLE 8.5	RECONNECT TO EXISTING CONDUIT ADJACENT TO CUP TRANSFORMER WALL	PROPOSED UMH-CMP 1	5"	CMP SEWALL STREET FEED	
U2	CMP POLE 8.5	RECONNECT TO EXISTING CONDUIT ADJACENT TO CUP TRANSFORMER WALL	PROPOSED UMH-CMP 1	5"	CMP SEWALL STREET FEED	
U3	CMP POLE 8.5	RECONNECT TO EXISTING CONDUIT ADJACENT TO CUP TRANSFORMER WALL	PROPOSED UMH-CMP 1	5"	CMP SPARE	
U4	CMP POLE 5	RECONNECT TO EXISTING CONDUIT ADJACENT TO CUP TRANSFORMER WALL	PROPOSED UMH-CMP 1	5"	CMP FORE RIVER FEED	
U5	CMP POLE 5	RECONNECT TO EXISTING CONDUIT ADJACENT TO CUP TRANSFORMER WALL	PROPOSED UMH-CMP 1	5"	CMP FORE RIVER FEED	
U6	CMP POLE 5	RECONNECT TO EXISTING CONDUIT ADJACENT TO CUP TRANSFORMER WALL	PROPOSED UMH-CMP 1	5"	CMP SPARE	
U7	FOREST STREET POLE #2	ELECTRIC METER FOR STREET LIGHTS ON CONGRESS STREET		2"	CMP/CITY OF PORTLAND STREET LIGHT FEED	
U8	FOREST STREET POLE #2	ELECTRIC METER FOR STREET LIGHTS ON CONGRESS STREET		2"	CMP/CITY OF PORTLAND STREET LIGHT FEED	
U9	CMP POLE 8.5/NEW POLE	CMP POLE 5		4"	SPECTRUM CATV	
	CMP POLE 8.5/NEW POLE	CMP POLE 5		4"	SPECTRUM CATV	
	CMP POLE 8.5/NEW POLE	CMP POLE 5		4"	SPECTRUM CATV	
J12	CMP POLE 8.5/NEW POLE	CONGRESS BUILDING POINT OF ENTRANCE 1	EUMH-T1	4"	CONSOLIDATED	NEW BUILDING FEED
U13	CMP POLE 8.5/NEW POLE	CONGRESS BUILDING POINT OF ENTRANCE 1	EUMH-T1	4"	CONSOLIDATED	NEW BUILDING FEED
U14	CMP POLE 7	CMP POLE 5		4"	CONSOLIDATED	REMOVE POLE 7 AND CONDUIT RISER, CONNECT NEW CONDUIT AND RISER AT POLE 7 LOCATION.
U15	CMP POLE 7	CMP POLE 5		4"	CONSOLIDATED	REMOVE POLE 7 AND CONDUIT RISER, CONNECT NEW CONDUIT AND RISER AT POLE 7 LOCATION.
U16	CMP POLE 5	CONGRESS BUILDING POINT OF ENTRANCE 2		4"	SPECTRUM CATV	NEW BUILDING FEED
U17	FOREST STREET POLE #1	EUMH-T1		4"	CONSOLIDATED	
J18	FOREST STREET POLE #1	EUMH-T1		4"	CONSOLIDATED	
C1	CMP POLE 10	CMP POLE 5	CMH-C1	4"	MMC IT	
	CMP POLE 10			4"		
	FOREST STREET POLE #1	CMP POLE 5 CONGRESS BUILDING POINT OF ENTRANCE 1	CMH-C1 CHH-C2	4	MMC IT	
	FOREST STREET POLE #1	CONGRESS BUILDING POINT OF ENTRANCE 1	CHH-C2	4"	MMC IT	
	FOREST STREET POLE #1	CONGRESS BUILDING POINT OF ENTRANCE 1	CHH-C2	4"	MMC IT	
C6	FOREST STREET POLE #1	CONGRESS BUILDING POINT OF ENTRANCE 1	CHH-C2	4"	MMC IT	
C7	CMP POLE 5	CONGRESS BUILDING POINT OF ENTRANCE 2		4"	MMC IT	
C8	CMP POLE 5	CONGRESS BUILDING POINT OF ENTRANCE 2		4"	MMC IT	
C9	CMP POLE 5	CONGRESS BUILDING POINT OF ENTRANCE 2		4"	MMC IT	
C10	CMP POLE 5	CONGRESS BUILDING POINT OF ENTRANCE 2		4"	MMC IT	
N1	NMH-N1	CONGRESS BUILDING ELECTRICAL ENTRANCE	EMH-MMC1	4"	ммс	NORMAL POWER FOR NEW BUILDING. EXTEND FROM EXISTING CONDUIT STUB TO NMH-MMC1 AND FROM NMH-MMC1 TO BUILDING ENTRANCE.
N2	NMH-N1	CONGRESS BUILDING ELECTRICAL ENTRANCE	EMH-MMC1	4"	ммс	NORMAL POWER FOR NEW BUILDING. EXTEND FROM EXISTING CONDUIT STUB TO NMH-MMC1 AND FROM NMH-MMC1 TO BUILDING ENTRANCE.
N3	NMH-N1	CONGRESS BUILDING ELECTRICAL ENTRANCE	EMH-MMC1	4"	ммс	NORMAL POWER FOR NEW BUILDING. EXTEND FROM EXISTING CONDUIT STUB TO NMH-MMC1 AND FROM NMH-MMC1 TO BUILDING ENTRANCE.
N4	NMH-N1	CONGRESS BUILDING ELECTRICAL ENTRANCE	EMH-MMC1	4"	ммс	NORMAL POWER FOR NEW BUILDING. EXTEND FROM EXISTING CONDUIT STUB TO NMH-MMC1 AND FROM NMH-MMC1 TO BUILDING ENTRANCE.
E1	EMH-E2	CONGRESS BUILDING EMERGENCY POWER ENTRANCE	BUILDING ENTRANCE	4"	ммс	EMERGENCY POWER. EXTEND FROM EMH-E2 TO ENTRANCE. SEE ELECTRICAL PLANS FOR ENTRANCE DETAILS.
E2	EMH-E2	CONGRESS BUILDING EMERGENCY POWER ENTRANCE	BUILDING ENTRANCE	4"	ммс	EMERGENCY POWER. EXTEND FROM EMH-E2 TO ENTRANCE. SEE ELECTRICAL PLANS FOR ENTRANCE DETAILS.



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CLIENT

EXISTING DESCRIPTION PROPOSED Boston, MA 02110 EDGE PAVEMENT www.perkinswill.com RETAINING WALL Maine Medical Center **Maine Medical** Center 22 Bramhall Street Portland, ME 04102 CONSULTANTS CIVIL/ LANDSCAPE ARCHITECT Sebago Technics Inc. 75 John Roberts Road, Suite 4A, South Portland, ME 04106 STRUCTURAL ENG/ BUILDING ENVELOPE CONSULTANT Simpson Gumpertz & Heger Inc. 41 Seyon Street, Building 1, Suite 500, Waltham, MA 02453 MEPFP ENGINEER/CODE/LOW VOLTAGE AKF Group LLC 99 Bedford Street, 2nd Floor, Boston, MA 02111 CONSTRUCTION MANAGER TURNER CONSTRUCTION 2 Seaport Lane, Suite 200, Boston, MA 02210 ELEVATOR CONSULTANT VDA (Van Deusen & Associates)

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3 Baldwin Green Common, Suite 202, Woburn, MA 01801

630 Dundee Road, Suite 340, Northbrook IL 60062

COST ESTIMATOR

Mitchell Planning

PROJECT TITLE

Congress Street

22 Bramhall Street Portland ME 04102

D.G. Jones International

MEDICAL EQUIPMENT PLANNING

SITE LEGEND

'_///// BUILDING

────────── SIGN

----- EDGE CONCRETE

PROPERTY LINE/R.O.W.

—— — — ABUTTER LINE/R.O.W.

KEY PLANS PROJECT KEY PLAN

OVERALL KEY PLAN 1 - NOT USED 2 - CONGRESS STREET 3 - VISITOR GARAGE 4 - EAST TOWER 5 - CENTRAL UTILITY PLANT 6 - BEAN BUILDING 7 - RICHARDS BUILDING 8 - MAINE GENERAL BUILDING

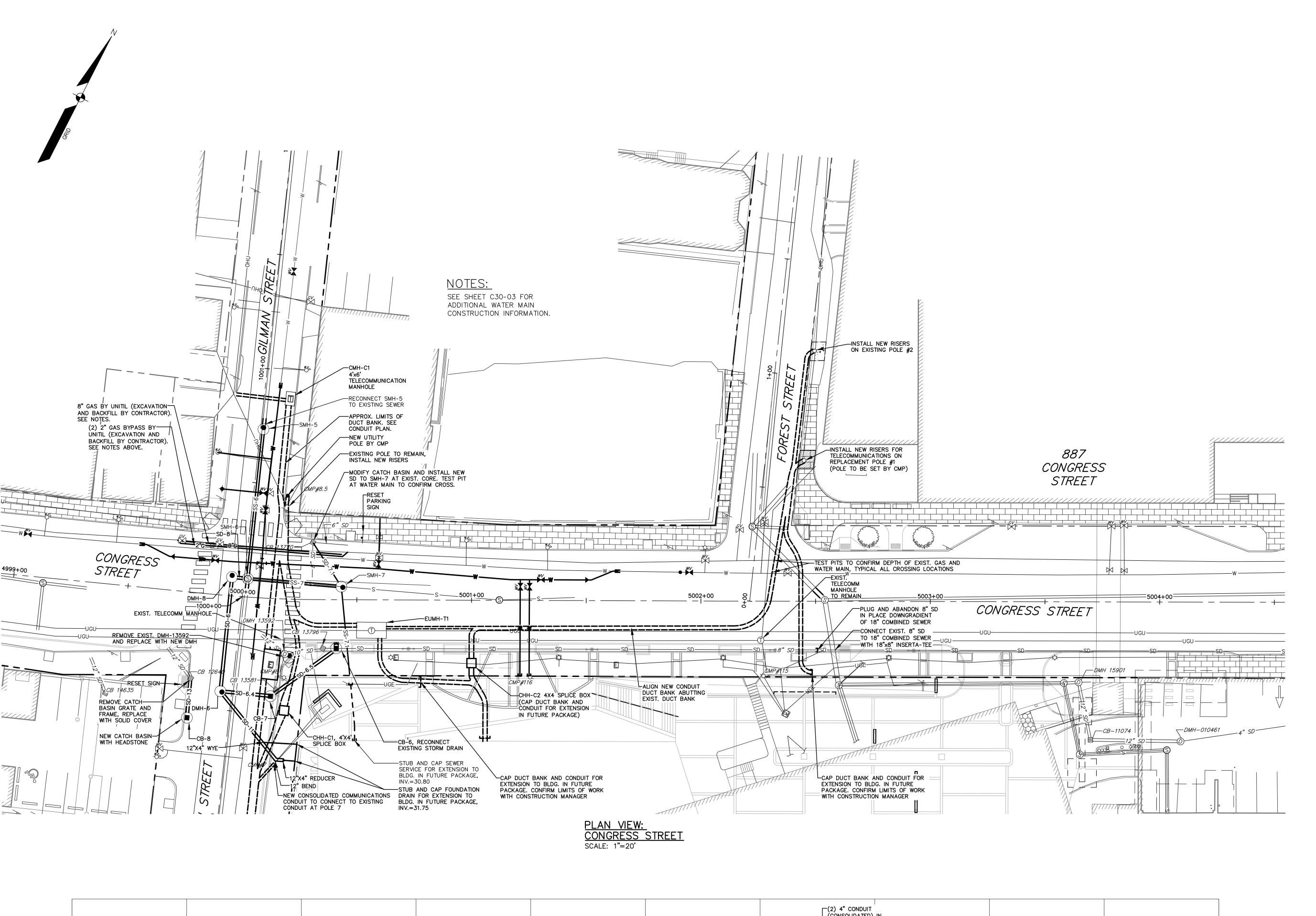
CONGRESS STREET ENABLING PACKAGE PERMIT SET APRIL 09, 2019

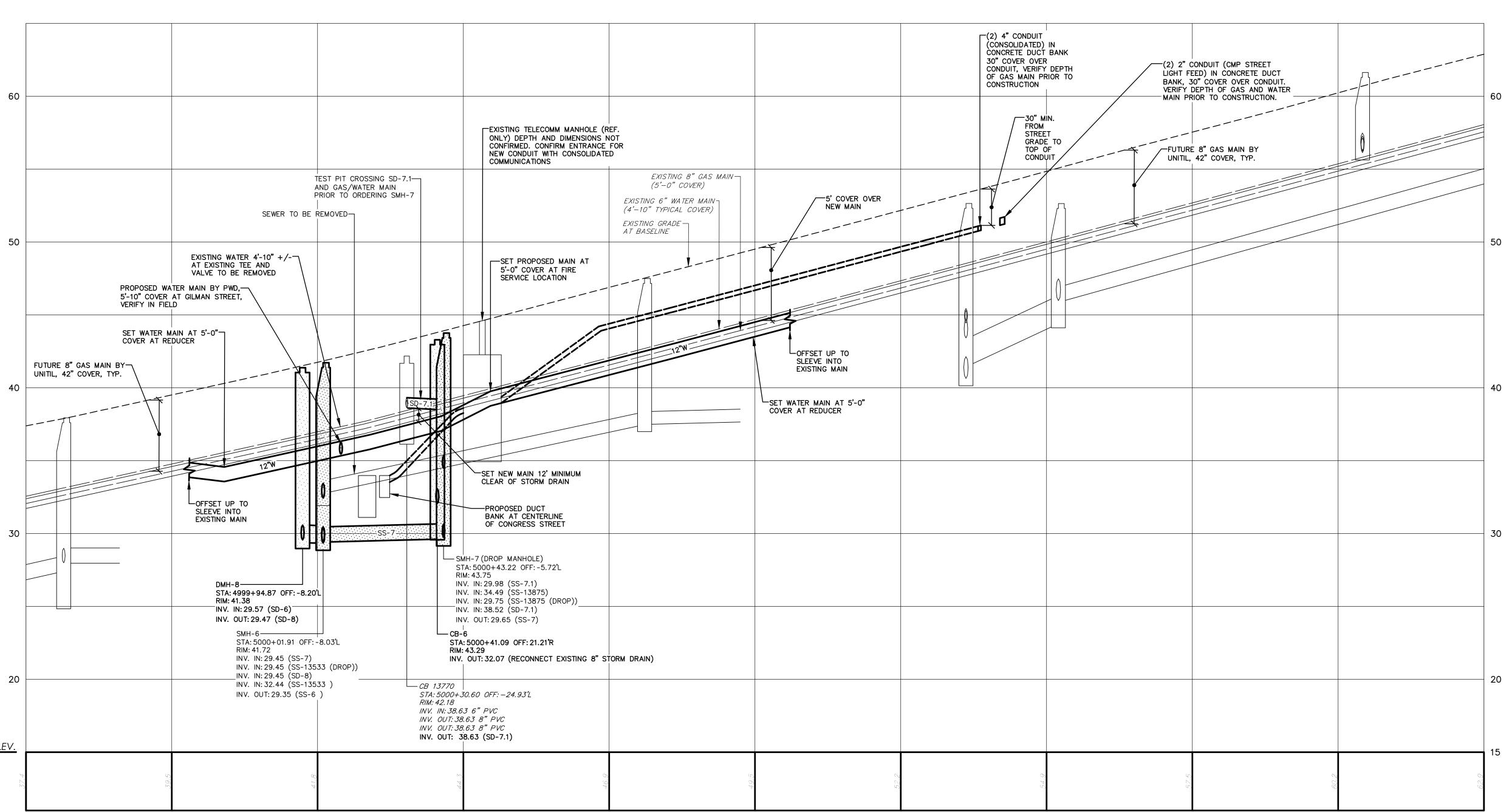
1 REVISED PER CMP 04-09-19
NO ISSUE DATE 152189.000

ELECTRICAL CONDUIT SCHEMATIC/ **CONGRESS STREET ENABLING WORK**

C02-01

SHEET NUMBER





SCALE: 1"=20' HORIZ.

1"=4' VERT.

5002+00

5003+00

5004+00

5001+00

5000+00

4999+00

LEGEND		
EXISTING	DESCRIPTION	PROPOSED
	PROPERTY LINE/R.O.W.	
	- ABUTTER LINE/R.O.W.	
	– CENTERLINE –	
<u>'////////////////////////////////////</u>	⊿ BUILDING	
	- EDGE PAVEMENT	
	= CURB LINE	
 120 118	- CONTOURS	
×120.00	SPOT GRADE	
	= RETAINING WALL	
	DECIDUOUS TREE	
£43	CONIFEROUS TREE	
	– GAS –	GV.
Š	GAS GATE VALVE	×
	GAS METER	
© 	GAS MANHOLE	144
——w—— ₩	– WATER	wv
₩	WATER SHUT OFF	45 0
.	HYDRANT	•
W	WATER MANHOLE	T
		
s	- SANITARY SEWER -	s
——— FM ———	- FORCE MAIN -	——— <u>FM</u> ———
S	SANITARY MANHOLE	(ullet)
————SD———	- STORM DRAIN -	SD
———UD ———	- UNDER DRAIN	
(D)	DRAINAGE MANHOLE	lacktriangle
	CATCH BASIN	
OHU	- OVERHEAD UTILITY -	——OHU——
	- UNDERGROUND UTILITY -	
Ī	TRANSFORMER PAD	Т
©	ELECTRICAL MANHOLE	
	ELECTRIC METER	
H	HVAC UNIT	
①	TELEPHONE MANHOLE	× •
☆	LIGHT POLE	★ ●■ ホ
<i>-</i> 0- ←	UTILITY POLE	
	GUY WIRE	

1. THE CONTRACTOR SHALL EXCAVATE TEST PITS TO LOCATE AND CONFIRM THE DEPTH OF WATER AND GAS MAINS AND SERVICES AT ALL CROSSINGS IN ADVANCE OF THE WORK. THE DEPTH OF DUCT BANKS MAY BE ADJUSTED TO MAINTAIN REQUIRED CLEARANCES. 2.THE PORTLAND WATER DISTRICT (PWD) WILL BE REPLACING THE WATER MAIN IN CONGRESS STREET WITH NEW 12" DUCTILE IRON WATER MAIN FROM WEYMOUTH STREET TO ST. JOHN STREET IN COORDINATION WITH THE MAINE MEDICAL CENTER'S WORK. WORK ASSOCIATED WITH THE REMOVAL AND REPLACEMENT OF WATER MAINS, SERVICES AND HYDRANTS WILL BE PERFORMED UNDER SEPARATE CONTRACT WITH PWD. WATER MAIN WORK SHOWN IN THE ENABLING PACKAGE IS FOR REFERENCE AND COORDINATION ONLY AND MAY BE REVISED BY PWD. 3.EXISTING WATER MAINS ARE AT APPROXIMATELY 4' OF COVER. THE CONTRACTOR SHALL TEST PIT TO VERIFY THE DEPTH OF THE WATER MAINS AT ALL CROSSING LOCATIONS TO COORDINATE COVER AND SEPARATION REQUIREMENTS FOR THE NEW WORK. REPORT DISCREPANCIES TO THE ENGINEER. ALL

WORK FOR THE MMC ENABLING PACKAGE SHALL ASSUME THE NEW 12" WATER MAIN WILL BE INSTALLED AT THE LOCATIONS INDICATED WITH 5.0' COVER. 4. THE EXISTING GAS MAINS IN CONGRESS STREET AND GILMAN STREET ARE CAST IRON INSTALLED IN 1908. DEPTH IS UNDETERMINED. THE CONTRACTOR SHALL TEST PIT TO VERIFY GAS MAIN LOCATIONS AND DEPTHS IN ADVANCE OF THE WORK. FOR WORK IN PROXIMITY TO OR CROSSING THE GAS MAIN

THE CONTRACTOR SHALL EITHER: A. SUPPORT THE EXISTING CAST IRON GAS MAIN AT ALL JOINTS WITHIN THE EXCAVATION, OR; B. PROVIDE EXCAVATION AND BACKFILL FOR UNITIL'S INSTALLATION OF DRY LAID 8" MAIN AND

(2)-2" BYBASS LINES. THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING AND

SCHEDULING THE WORK WITH UNITIL AND FOR FURNISHING AND INSTALLING BACKFILL

5.DURING INSTALLATION OF NEW WORK THE CONTRACTOR SHALL PROVIDE CLEARANCE FOR A FUTURE

8" GAS MAIN REPLACEMENT BY UNITIL. THE FUTURE MAIN WILL BE LAID ADJACENT THE EXISTING GAS MAINS AND IS TO BE INSTALLED WITH 42" MINIMUM COVER COVER. 6.STREET TREES THAT ARE TO REMAIN ARE NOT SHOWN ON THIS PLAN FOR CLARITY. REFER THE DEMOLITION PLANS FOR STREET TREES TO BE REMOVED. PROTECT EXISTING STREET TREES TO

7.CATCH BASIN CB-6 IS TO BE LOCATED WITHIN THE TRAVELED WAY AT THE LOCATION OF A FUTURE

CURB LINE. THE STRUCTURE WILL BE INSTALLED WITH A TEMPORARY CIRCULAR FRAME AND GRATE

WHICH WILL BE REMOVED AND REPLACED IN THE FUTURE. THE CONTRACTOR SHALL CONFIRM THE OFFSET OF THE STRUCTURE TO THE FUTURE CURBLINE AND THE CURBLINE GRADE. THE STRUCTURE IS TO BE INSTALLED WITH A FLAT TOP COVER WITH THE OPENING ORIENTED TO RECEIVE A SPECIAL CURB FACE INLET (EAST JORDAN IRON WORKS MODEL 7500Z CURB INLET FRAME) WITH ITS INLET FRAME ALIGNED TO THE FUTURE CURB AND GUTTER LINE. 8.CATCH BASIN CB-7 IS TO BE INSTALLED IN THE TRAVEL WAY OF GILMAN STREET AT THE LOCATION OF A FUTURE CURB LINE. THE STRUCTURE WILL BE INSTALLED WITH A CIRCULAR FRAME AND GRATE WHICH WILL BE REMOVED AND REPLACED WITH A CITY OF PORTLAND STANDARD FRAME, GRATE AND GRANITE HEADSTONE. THE CONTRACTOR SHALL CONFIRM THE OFFSET TO THE FUTURE CURB LINE

WITH ENGINEER AT THE TIME OF INSTALLATION.

SANITARY SEWER STRUCTURE DATA							
STRUCTURE	RIM	INV. IN	INV. OUT:	DIAM.			
SMH-5	38.90	29.04 (SS-6)	28.87 (SS-13820)	48"			
SMH-6	41.72	29.45 (SS-7) 29.45 (SS-13533 (DROP)) 29.45 (SD-8) 32.44 (SS-13533)	29.35 (SS-6)	48"			
SMH-7	43.75	29.98 (SS-7.1) 34.49 (SS-13875) 29.75 (SS-13875 (DROP)) 38.52 (SD-7.1)	29.65 (SS-7)	48"			
SMH-8	55.32	47.00 (SS-9) 48.12 (SS-12949 RECONNECT)	46.90 (SS-8.1)	48"			
SMH-9	61.40	55.49 (SS-10) 49.27 (SS-10 DROP)	49.17 (SS-9)	48"			
SMH-10	68.00	58.41 (SS-13457.2 RECONNECT (DROP)) 58.41 (SS-13457 RECONNECT) 61.53 (SS-13457.2 RECONNECT)	58.31 (SS-10)	60"			

SANITARY SEWER PIPE DATA					
NAME	SIZE	LENGTH	SLOPE		
SS-6	12"	61'	0.50%		
SS-7	12"	37'	0.51%		
SS-7.1	8"	41'	1.26%		
SS-8.1	12"	20'	7.55%		
SS-9	15"	40'	5.37%		
SS-10	15"	22'	12.64%		

STORM DRAIN STRUCTURE DATA					
STRUCTURE	RIM	INV. IN	INV. OUT:	DIAM.	
CB-6	43.29		32.07 (SD-6.5)	48"	
CB-7	42.85	31.73 (SD-6.5)	31.63 (SD-6)	48"	
CB-8	41.95		38.69 (SD-13)	48"	
DMH-6	42.35	31.28 (SD-11) 31.52 (SD-6.4)	30.62 (SD-6)	48"	
DMH-8	41.38	29.57 (SD-6)	29.47 (SD-8)	48"	

STOR	M DR	AIN PIPE	DATA
NAME	SIZE	LENGTH	SLOPE
SD-6	12"	46'	2.28%
SD-6.4	12"	20'	0.50%
SD-6.5	12"	31'	1.03%
SD-7.1	8"	21'	0.53%
SD-8	12"	2'	0.84%
SD-11	12"	36'	1.00%
SD-13	12"	14'	0.50%
•			

STORM DRAIN STRUCTURE DATA						
STRUCTURE	RIM	/N <i>V</i> . /N	INV. OUT:	DIAM.		
CB-11074	66.20	56.33 (SD-64)	56.30 (SD-79)	48"		
CB 13581	42.72		40.62 (SD-13)	48"		
CB 13770	42.18	38.63 (SD-15)	38.63 (SD-7.1)	48"		
CB 13796	42.56	38.86 (SD-15960)	38.66 (SD-12)	48"		
DMH-010461	67.08	61.93 (SD-68)	56.70 (SD-64)	48"		
DMH 12966	58.60	49.83 (SD-38) 53.17 (SD-39) 52.77 (SD-41)	48.38 (SD-40)	48"		
DMH 13456	80.75	72.05 (SD-42)	67.87 (SD-41)	48"		
DMH 13592	42.08	37.64 (SD-12) 37.79 (SD-13)	37.59 (SD-14)	48"		
DMH 15901	61.70	55.90 (SD-79) 57.40 (SD-80)	55.90 (SD-78)	48"		

PERKINS

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CLIENT Maine Medical Center MaineHealth

Maine Medical Center 22 Bramhall Street

Portland, ME 04102

CONSULTANTS

CIVIL/ LANDSCAPE ARCHITECT Sebago Technics Inc. 75 John Roberts Road, Suite 4A, South Portland, ME 04106

STRUCTURAL ENG/ BUILDING ENVELOPE CONSULTANT Simpson Gumpertz & Heger Inc. 41 Seyon Street, Building 1, Suite 500,

Waltham, MA 02453 MEPFP ENGINEER/CODE/LOW VOLTAGE AKF Group LLC 99 Bedford Street, 2nd Floor, Boston, MA 02111 CONSTRUCTION MANAGER TURNER CONSTRUCTION

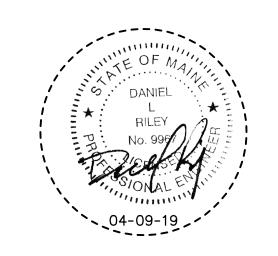
2 Seaport Lane, Suite 200, Boston, MA 02210 ELEVATOR CONSULTANT VDA (Van Deusen & Associates) 101 Summer Street, 4th Floor, Boston, MA 02110

COST ESTIMATOR D.G. Jones International 3 Baldwin Green Common, Suite 202, Woburn, MA 01801 MEDICAL EQUIPMENT PLANNING Mitchell Planning

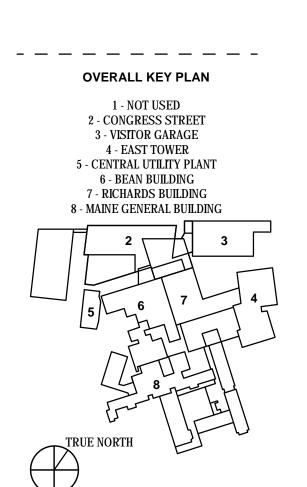
> PROJECT TITLE **Congress Street**

> > 22 Bramhall Street

Portland ME 04102



KEY PLANS PROJECT KEY PLAN SECTOR



CONGRESS STREET **ENABLING PACKAGE** PERMIT SET

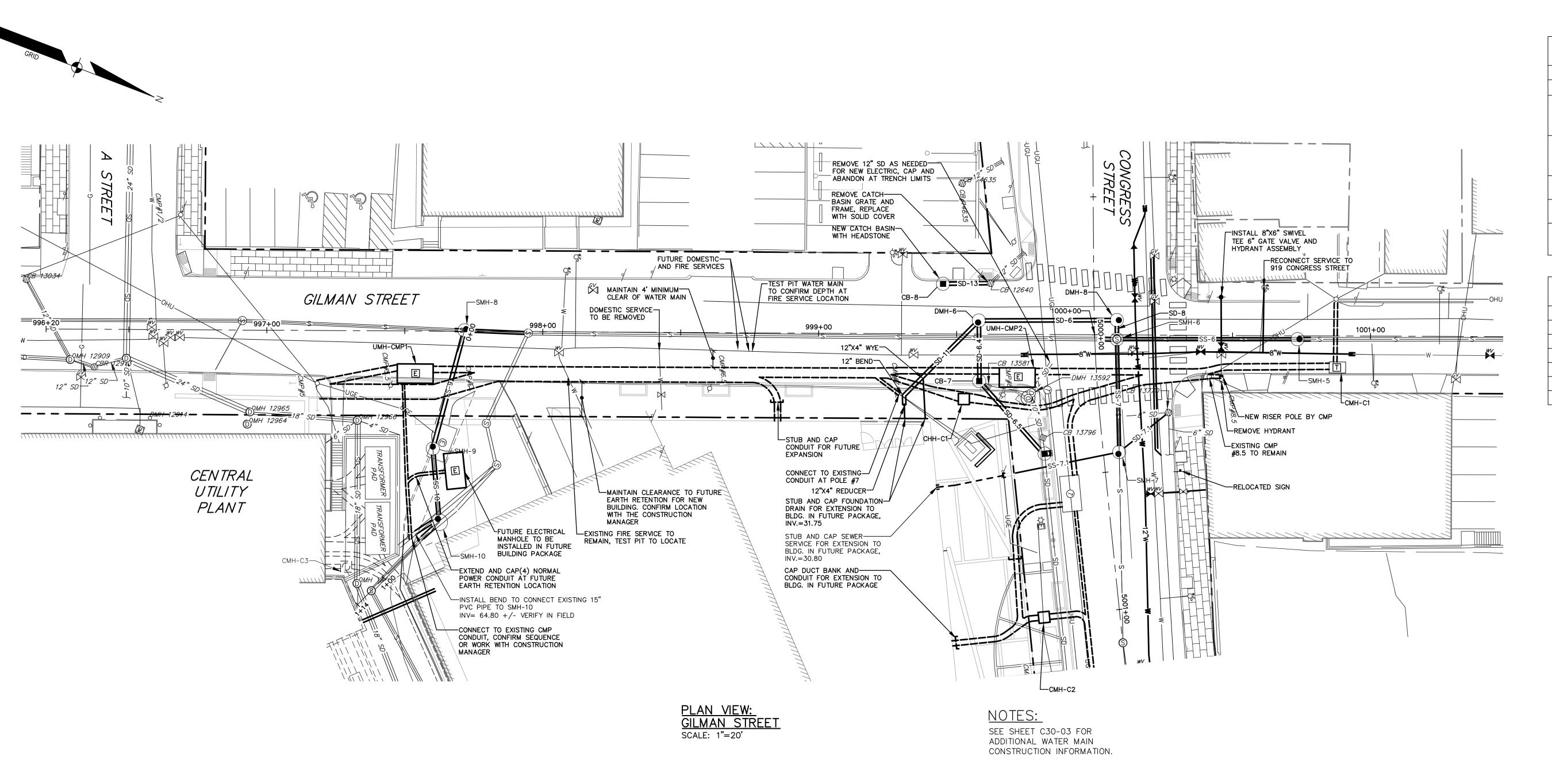
APRIL 09, 2019

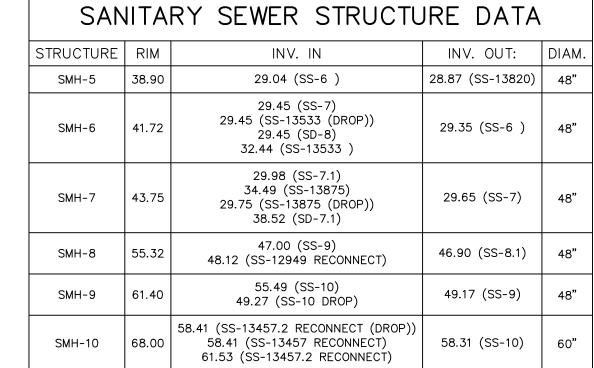
1 REVISED PER CMP 04-09-19 ISSUE Job Number 152189.000 MAL/MAM

PLAN & PROFILE: **CONGRESS STREET/ CONGRESS STREET ENABLING WORK**

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SHEET NUMBER





SANITARY SEWER PIPE DATA						
NAME	SIZE	LENGTH	SLOPE			
SS-6	12"	61'	0.50%			
SS-7	12"	37'	0.51%			
SS-7.1	8"	41'	1.26%			
SS-8.1	12"	20'	7.55%			
SS-9	15"	40'	5.37%			
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SD-7.1	8*	21'	0.53%			
SD-8	12"	2'	0.84%			
SD-11	12"	36'	1.00%			
SD-13	12"	14'	0.50%			

NOTES:

1. THE CONTRACTOR SHALL EXCAVATE TEST PITS TO LOCATE AND CONFIRM THE DEPTH OF WATER AND GAS MAINS AND SERVICES AT ALL CROSSINGS IN ADVANCE OF THE WORK. THE DEPTH OF DUCT BANKS MAY BE ADJUSTED TO MAINTAIN REQUIRED CLEARANCES.

2. A FUTURE EXCAVATION SUPPORT SYSTEM WILL BE INSTALLED IN THE SIDEWALK ALONG GILMAN STREET IN A FUTURE BUILDING PACKAGE. THE PROPOSED DUCT BANKS, MANHOLES AND SPLICE BOXES ARE TO BE INSTALLED OUTSIDE OF THE FUTURE SUPPORT SYSTEM. THE CONTRACTOR SHALL CONFIRM THE EXCAVATION SUPPORT LOCATIONS WITH THE CONSTRUCTION MANAGER PRIOR TO INSTALLING DUCT BANKS

3. THE CONTRACTORS SHALL PREPARE A CONSTRUCTION SEQUENCE AND SCHEDULE IDENTIFYING THE TIMING OF CONSTRUCTION OF THE DUCT BANKS AND ELECTRICAL MANHOLES IN PREPARATION OF CONDUCTOR INSTALLATION BY CMP PRIOR TO REMOVING UTILITY POLES. THE CONTRACTOR SHALL COORDINATE ITS SCHEDULE WITH CMP AND SHALL ACCOMMODATE CMP'S SCHEDULE.

4. THE EXISTING UTILITY POLES, OVERHEAD LINES AND UNDERGROUND ELECTRICAL AND TELECOMMUNICATIONS FACILITIES INCLUDING UNDERGROUND CONDUIT FROM POLE #5 TO THE EXISTING CMP MANHOLE UMH-U4 ARE TO REMAIN IN SERVICE FEEDS UNTIL:

A. THE NEW DUCT BANK, AND MANHOLES UMH-CMP1, UMH-CMP2, CHM-C1 AND CHH-C1 ARE INSTALLED;

B. CMP HAS INSTALLED AND ENERGIZED A TEMPORARY POWER FEED FROM POLE #5 TO EXISTING UMH-U5 ON CRESCENT STREET;

C. THE EXISTING CONDUCTORS IN UMH-U4 ARE DE-ENERGIZED.

5. ONCE UMH-U4 IS DE-ENERGIZED AND CMP HAS PULLED ITS
CONDUCTORS, THE CONTRACTOR MAY BREAK INTO THE EXISTING CMP
DUCT BANK EAST OF UMH-U4 AND EXTEND NEW CONDUIT FROM THE
EXISTING DUCT BANK TO NEW ELECTRICAL MANHOLE UMH-CMP1

A. THIS SEQUENCE WILL DETERMINE THE TIMING OF NEW SEWER
CONSTRUCTION FROM SMH-8 TO SMH-10 AND THE REMOVAL OF
THE EXISTING SEWER FROM ESMH-13533, ESMH-13482,
ESMH-13475 AND ESMH-13457. THE EXISTING SEWER MUST
REMAIN IN SERVICE. THE CONTRACTOR BY PROVIDE A

TEMPORARY GRAVITY SERVICE. BYPASS PUMPING TO MAINTAIN SERVICE WILL REQUIRE APPROVAL BY THE CONSTRUCTION MANAGER AND OWNER.

B. CONTRACTOR WILL NOTE THAT THE EXISTING UTILITY POLES SCHEDULED FOR REMOVAL WILL REMAIN IN SERVICE DURING CONSTRUCTION OF THE NEW DUCT BANKS. THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING FOR POLE SUPPORT BY THE

OWNING UTILITY.

6.DURING INSTALLATION OF NEW WORK THE CONTRACTOR SHALL PROVIDE CLEARANCE FOR A FUTURE 8" GAS MAIN REPLACEMENT BY UNITIL. THE FUTURE MAIN WILL BE LAID ADJACENT THE EXISTING GAS MAIN WITH 42" OF COVER.

7.STREET TREES THAT ARE TO REMAIN ARE NOT SHOWN ON THIS PLAN FOR CLARITY. REFER THE DEMOLITION PLANS FOR STREET TREES TO BE REMOVED. PROTECT EXISTING STREET TREES TO REMAIN.

8.CATCH BASIN CB-6 IS TO BE LOCATED WITHIN THE TRAVELED WAY

AT THE LOCATION OF A FUTURE CURB LINE. THE STRUCTURE WILL BE INSTALLED WITH A TEMPORARY CIRCULAR FRAME AND GRATE WHICH WILL BE REMOVED AND REPLACED IN THE FUTURE. THE CONTRACTOR SHALL CONFIRM THE OFFSET OF THE STRUCTURE TO THE FUTURE CURBLINE AND THE CURBLINE GRADE. THE STRUCTURE IS TO BE INSTALLED WITH A FLAT TOP COVER WITH THE OPENING ORIENTED TO RECEIVE A SPECIAL CURB FACE INLET (EAST JORDAN IRON WORKS MODEL 7500Z CURB INLET FRAME) WITH ITS INLET FRAME ALIGNED TO THE FUTURE CURB AND GUTTER LINE.

9. CATCH BASIN CB-7 IS TO BE INSTALLED IN THE TRAVEL WAY OF GILMAN STREET AT THE LOCATION OF A FUTURE CURB LINE. THE STRUCTURE WILL BE INSTALLED WITH A CIRCULAR FRAME AND GRAT

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TIME OF INSTALLATION	OSED GRATE ELEVATION N N.	MIH ENGINEER AI IHE
LEGEND		
	DESCRIPTION	PROPOSED
	PROPERTY LINE/R.O.W.	_
	— ABUTTER LINE/R.O.W.	
	— CENTERLINE —	
<u>'////////////////////////////////////</u>		
	— EDGE PAVEMENT	
	= CURB LINE	
120118- ×120.00	CONTOURS SPOT GRADE	
	= RETAINING WALL	
\circ	DECIDUOUS TREE	
~(°%		
ESS	CONIFEROUS TREE	
	— GAS —	GV
	GAS METER	×
(M) (G)	GAS METER GAS MANHOLE	
w	— WATER —	w
iiv	WATER GATE VALVE	wv
**	WATER SHUT OFF	*
-	HYDRANT	+
W	WATER MANHOLE	
		_
	— SANITARY SEWER — — FORCE MAIN —	S
\$	SANITARY MANHOLE	
	— STORM DRAIN —	SD
	— UNDER DRAIN	
(D)	DRAINAGE MANHOLE	lacksquare
	CATCH BASIN	
	— OVERHEAD UTILITY —	OHU——
	— UNDERGROUND UTILITY —	
T	TRANSFORMER PAD	T
(E)	ELECTRICAL MANHOLE	

ELECTRIC METER HVAC UNIT

LIGHT POLE

UTILITY POLE GUY WIRE

TELEPHONE MANHOLE

★ ● ■ ▼

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MaineHealth

Maine Medical
Center

22 Bramhall Street

Portland, ME 04102

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Simpson Gumpertz & Heger Inc.
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Woltham, MA 02453

Waltham, MA 02453

MEPFP ENGINEER/CODE/LOW VOLTAGE

AKF Group LLC

99 Bedford Street, 2nd Floor, Boston, MA 02111

CONSTRUCTION MANAGER

TURNER CONSTRUCTION

2 Seaport Lane, Suite 200, Boston, MA 02210

ELEVATOR CONSULTANT

VDA (Van Deusen & Associates)

101 Summer Street, 4th Floor, Boston, MA 02110

COST ESTIMATOR

D.G. Jones International

3 Baldwin Green Common, Suite 202, Wobum, MA 01801

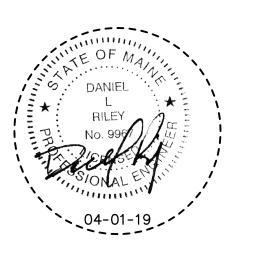
MEDICAL EQUIPMENT PLANNING

Mitchell Planning

Congress Street
Building

22 Bramhall Street

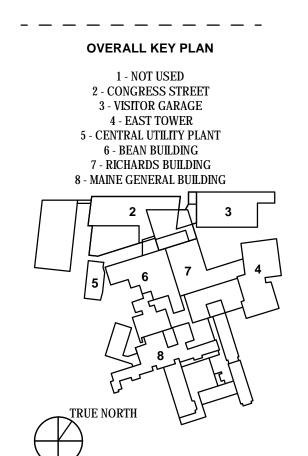
Portland ME 04102



PROJECT KEY PLAN

SECTOR SECTOR VISITORS

01 02 GARAGE



CONGRESS STREET ENABLING PACKAGE PERMIT SET

APRIL 01, 2019

Dollars ISSUE DATE

152189.000

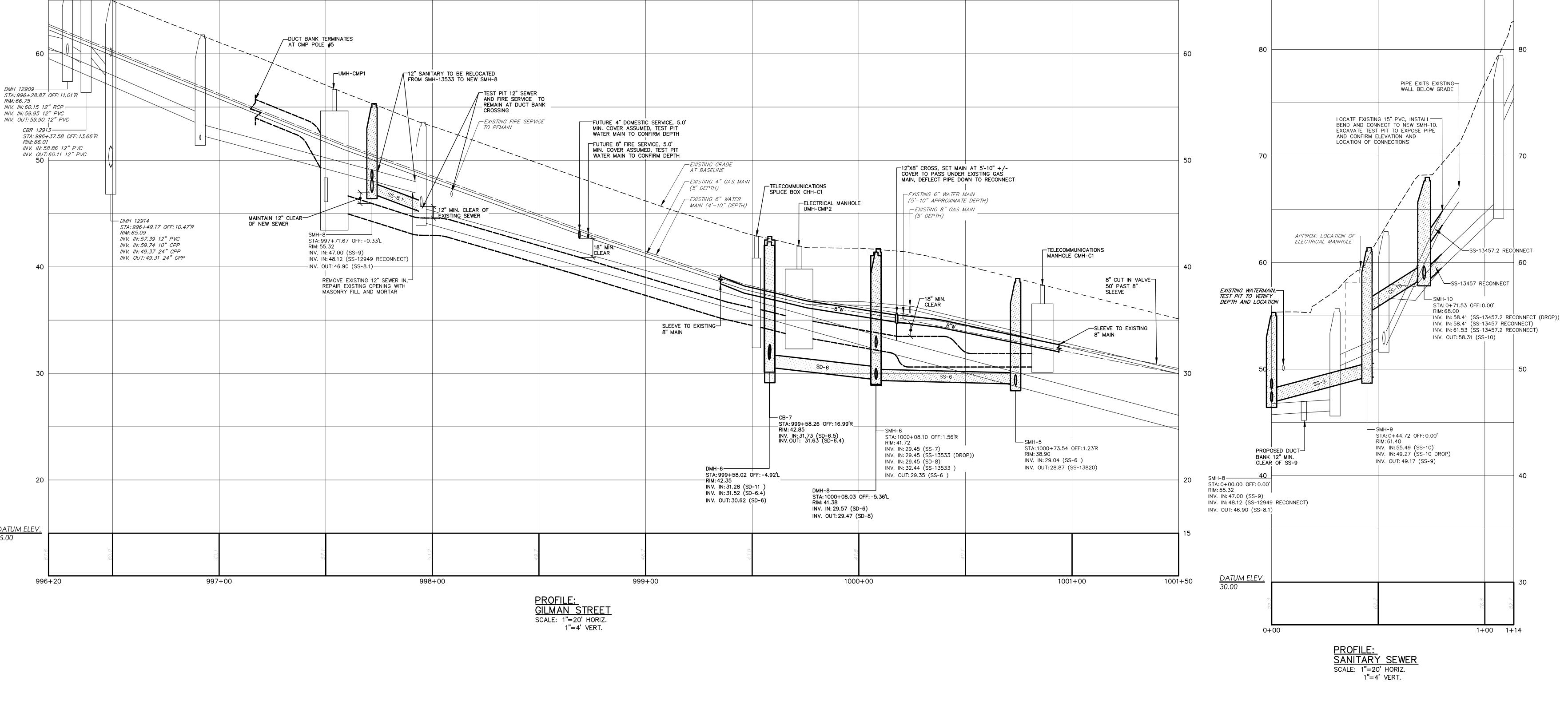
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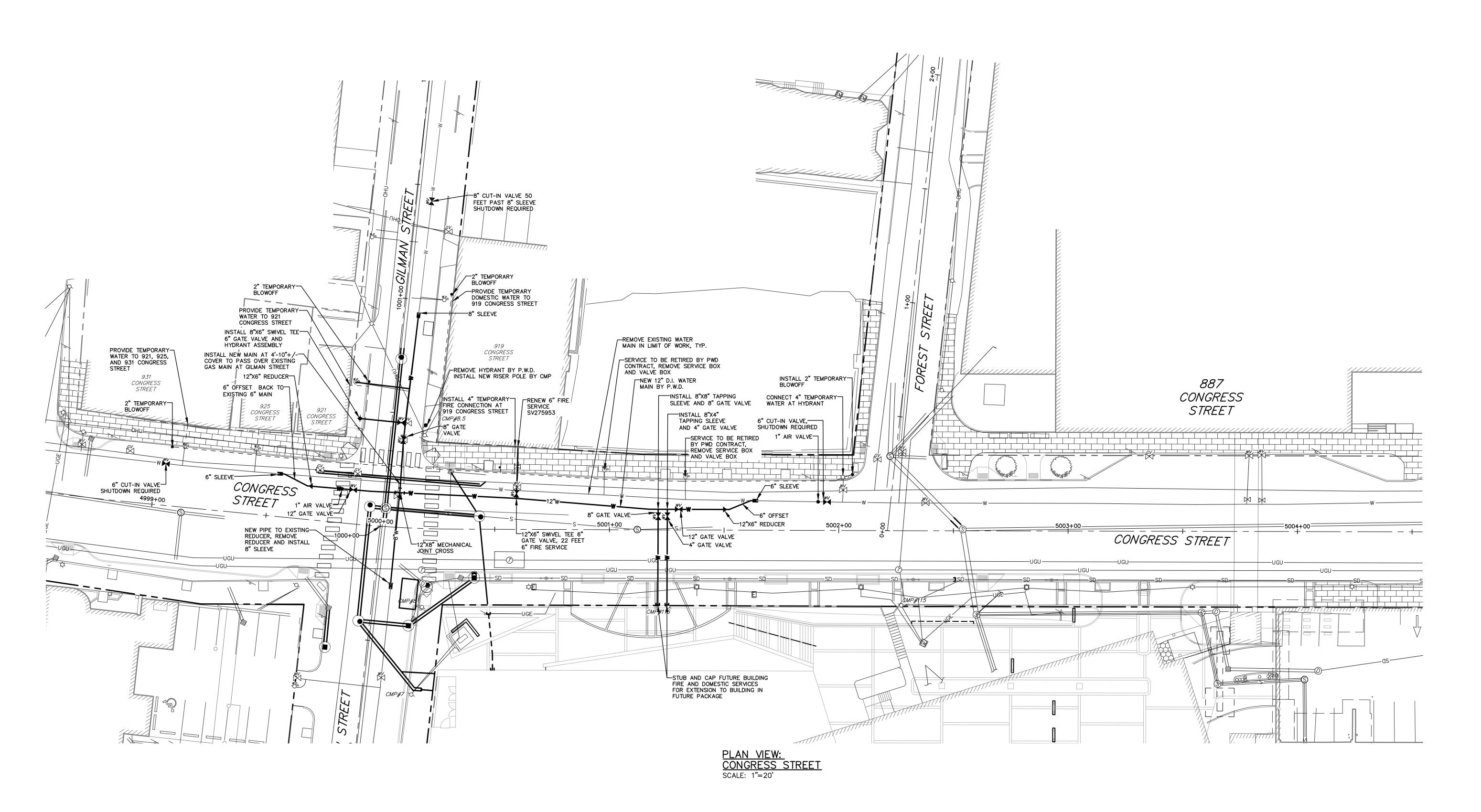
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PLAN & PROFILE: GILMAN STREET/ CONGRESS STREET ENABLING WORK

C03-02

SHEET NUMBER





EXISTING DESCRIPTION PROPOSED PROPERTY LINE/R.O.W. —— — — ABUTTER LINE/R.O.W. ----- CENTERLINE ----- --<u>//////////</u> BUILDING ----- EDGE PAVEMENT CURB LINE ---120-- ---118-- CONTOURS ×120.00 SPOT GRADE DECIDUOUS TREE CONIFEROUS TREE GAS GATE VALVE GAS METER GAS MANHOLE --- WATER WATER GATE VALVE WATER SHUT OFF HYDRANT WATER MANHOLE SANITARY MANHOLE -----SD-------STORM DRAIN -----UD ------ UNDER DRAIN DRAINAGE MANHOLE ----OHU-----OVERHEAD UTILITY -----OHU----TRANSFORMER PAD ELECTRICAL MANHOLE ELECTRIC METER HVAC UNIT TELEPHONE MANHOLE LIGHT POLE UTILITY POLE GUY WIRE

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VDA (Van Deusen & Associates)
101 Summer Street, 4th Floor, Boston, MA 02110

COST ESTIMATOR

D.G. Jones International

3 Baldwin Green Common, Suite 202, Woburn, MA 01801

MEDICAL EQUIPMENT PLANNING

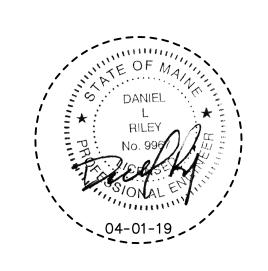
Mitchell Planning

630 Dundee Road, Suite 340, Northbrook IL 60062

Congress Street

22 Bramhall Street

Portland ME 04102



PROJECT KEY PLAN

SECTOR SECTOR VISITORS GARAGE

BEAN

BUILDING

OVERALL KEY PLAN

1 - NOT USED
2 - CONGRESS STREET
3 - VISITOR GARAGE
4 - EAST TOWER
5 - CENTRAL UTILITY PLANT
6 - BEAN BUILDING
7 - RICHARDS BUILDING
8 - MAINE GENERAL BUILDING

CONGRESS STREET ENABLING PACKAGE PERMIT SET APRIL 01, 2019

NO ISSUE DATE

Job Number 152189.000

Drawn MAL/MAM

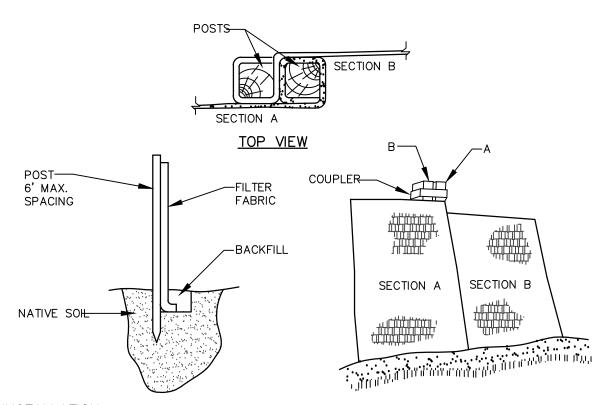
Checked DLR

Approved DLR

WATER MAIN PLAN: CONGRESS STREET ENABLING WORK

SHEET NUMBER

C03-03



INSTALLATION:

EXCAVATE A 6"x 6" TRENCH ALONG THE LINE OF PLACEMENT FOR THE FILTER BARRIER.
 UNROLL A SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH.

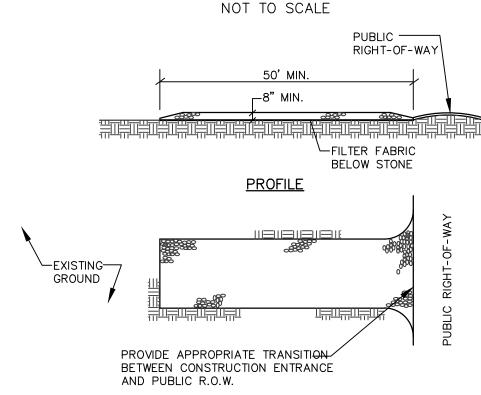
TRENCH BOTTOM.

4. LAY THE TOE-IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH, BACKFILL THE TRENCH AND TAMP THE SOIL. TOE-IN CAN ALSO BE ACCOMPLISHED BY LAYING THE FABRIC FLAP ON UNDISTURBED GROUND AND PILING AND TAMPING FILL AT THE BASE, BUT MUST BE ACCOMPANIED BY AN INTERCEPTION DITCH.

3. DRIVE POSTS INTO THE GROUND UNTIL APPROXIMATELY 2" OF FABRIC IS LYING ON THE

5. JOIN SECTION AS SHOWN ABOVE.6. BARRIER SHALL BE MIRAFI SILT FENCE OR EQUAL.

FILTER BARRIER



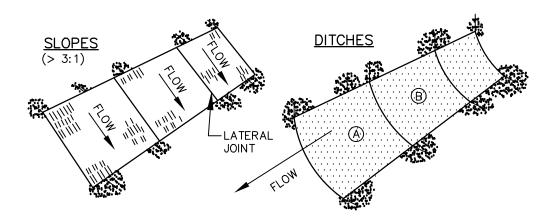
<u>PLAN</u>

NOTES:

1. STONE SIZE- AASHTO DESIGNATION M43, SIZE NO. 2 (2 1/2" TO 1 1/2").
USE CRUSHED STONE.
2. LENGTH- AS SHOWN ON PLANS, MIN. 50 FEET.
3. THICKNESS- NOT LESS THAN EIGHT (8) INCHES.
4. WIDTH- NOT LESS THAN FULL WIDTH OF ALL POINT OF INGRESS OR EGRESS.
5. MAINTENANCE- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION

S. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-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 RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.

STABILIZED CONSTRUCTION ENTRANCE NOT TO SCALE



NOTES:

1. BURY THE TOP END OF THE MESH MATERIAL IN A 6"
TRENCH AND BACKFILL AND TAMP TRENCHING SECURE

- END WITH STAPLES AT 6" SPACING, 4" DOWN FROM EXPOSED END.
 2. FLOW DIRECTION JOINTS TO HAVE UPPER END OF LOWER STRIP BURIED WITH UPPER LAYERS OVERLAPPED 4" AND STAPLED. OVERLAP B OVER A.
 3. LATERAL JOINTS TO HAVE 4" OVERLAP OF STRIPS.
- STAPLE 18" ON CENTER.

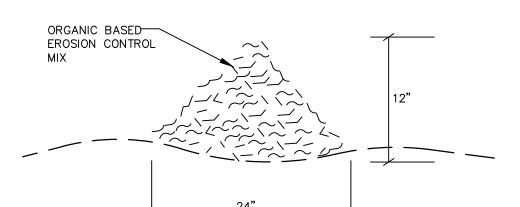
 4. STAPLE OUTSIDE LATERAL EDGE 2" ON CENTER.

 5. WIRE STAPLES TO BE MIN OF #11 WIRE 6" LONG AND 1-1/2" WIDE

6. USÉ NORTH AMERICAN GREEN DS 150 OR APPROVED

EROSION CONTROL BLANKET

NOT TO SCALE



COMPOSITION

EROSION CONTROL MIX SHALL BE MANUFACTURED ON OR OFF THE PROJECT SITE SUCH THAT ITS COMPOSITION IS IN ACCORDANCE WITH THE MDEP MAINE EROSION AND SEDIMENT CONTROL BMP MANUAL, LAST REVISED 3/2003 OR LATER. 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.

INSTALLATION

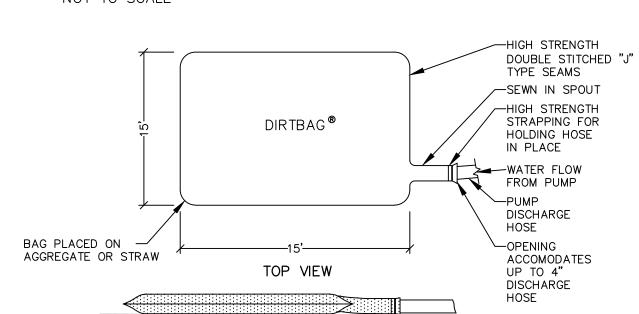
1. THE BARRIER MUST BE PLACED ACROSS THE SLOPE, ALONG THE CONTOUR.

2. EXISTING GROUND SHALL BE PREPARED SUCH THAT THE BARRIER MAY LIE NEARLY FLAT ALONG THE GROUND TO AVOID THE CREATION OF VOIDS AND BRIDGES IN ORDER TO MINIMIZE THE POTENTIAL OF WASH OUTS UNDER THE BARRIER.

3. THE BARRIER SHALL BE A MINIMUM OF 1 FOOT HIGH (AS MEASURED ON THE UPHILL SIDE) AND 2 FEET WIDE FOR SLOPES LESS THAN 5% IN GRADE AND SHALL BE WIDER TO ACCOMMODATE THE ADDITIONAL RUNOFF.

4. EROSION CONTROL MIX CAN BE INSTALLED WHERE SILT FENCE IS ILLUSTRATED ON THE DESIGN PLANS IN AREAS EXCEPT IN, BUT NOT LIMITED TO, THE FOLLOWING AREAS: WETLAND AREAS, AT POINTS OF CONCENTRATED FLOW, BELOW CULVERT OUTLET APRONS, AROUND CATCH BASINS AND CLOSED STORM SYSTEMS AND AT THE BOTTOM.

EROSION CONTROL MIX BERM NOT TO SCALE



AGGREGATE OR STRAW

UNDERLAYMENT SIDE VIEW

NSTALLATION NOTES

I. DEWATERING IF NECESSARY FOR UNDERDRAINED POND CONSTRUCTION AND REMOVAL OF ACCUMULATED SEDIMENT SHALL BE ACCOMPLISHED WITHOUT DISCHARGING SEDIMENT LADEN WATER TO

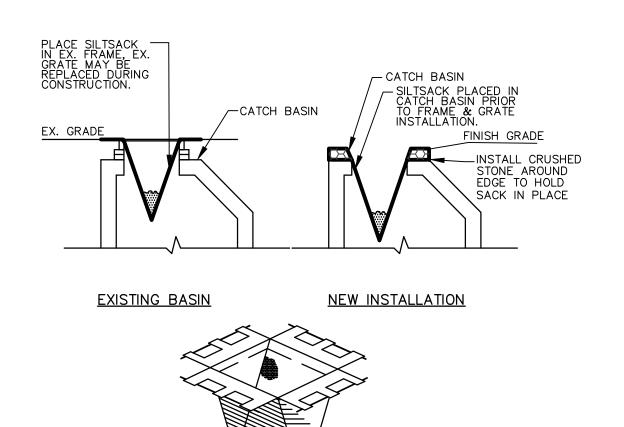
THE STREAM AND WETLANDS ABUTTING THE SITE.
CONTRACTOR MAY UTILIZE A GEOTEXTILE PUMPED SEDIMENT CONTROL DEVICE ("DIRTBAG" OR EQUIVALENT).
DIRTBAG SHALL BE INSTALLED TO MAINTAIN A MINIMUM 75' UNDISTURBED BUFFER FROM THE STREAM AND WETLANDS.
INSTALL DIRTBAG ON A 3" BED OF HAY TO MAXIMIZE FLOW OF WATER THROUGH ALL SURFACES OF

5. SURROUND DIRTBAG WITH A DOUBLE ROW OF SILTATION FENCE, OR AN EROSION CONTROL BERM

BACKED BY SILTATION FENCE.

DIRTBAG PUMPED SILT CONTROL SYSTEM

NOT TO SCALE



SILT SACK PROTECTION

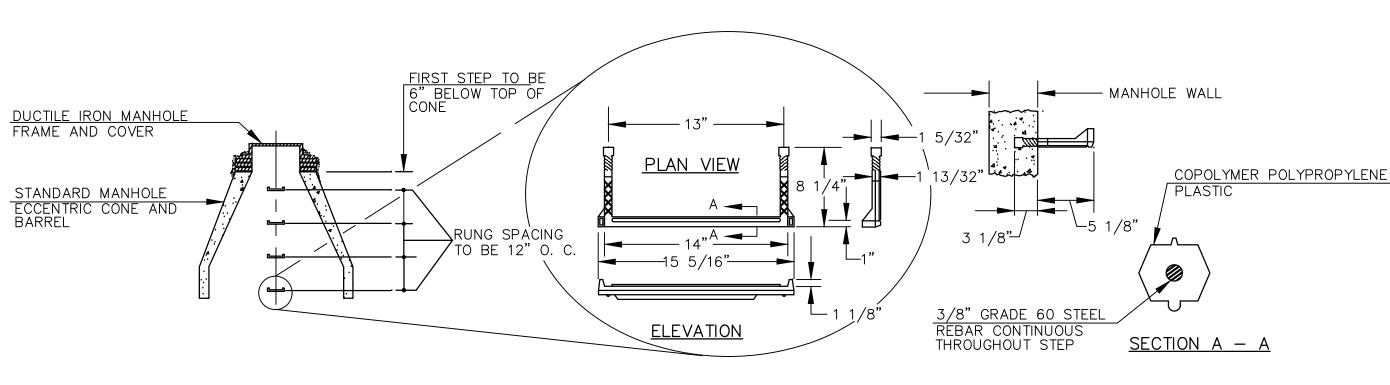
NOTES:

PRIOR TO FINAL GRADING AND PAVING OPERATIONS, A CATCH BASIN INSERT (SUCH AS A SILT SACK OR A DANDY BAG II) MUST BE INSTALLED IN EACH BASIN PER MANUFACTURES INSTRUCTIONS. HAY BALES SHOULD BE REMOVED ONCE INSERTS ARE INSTALLED.

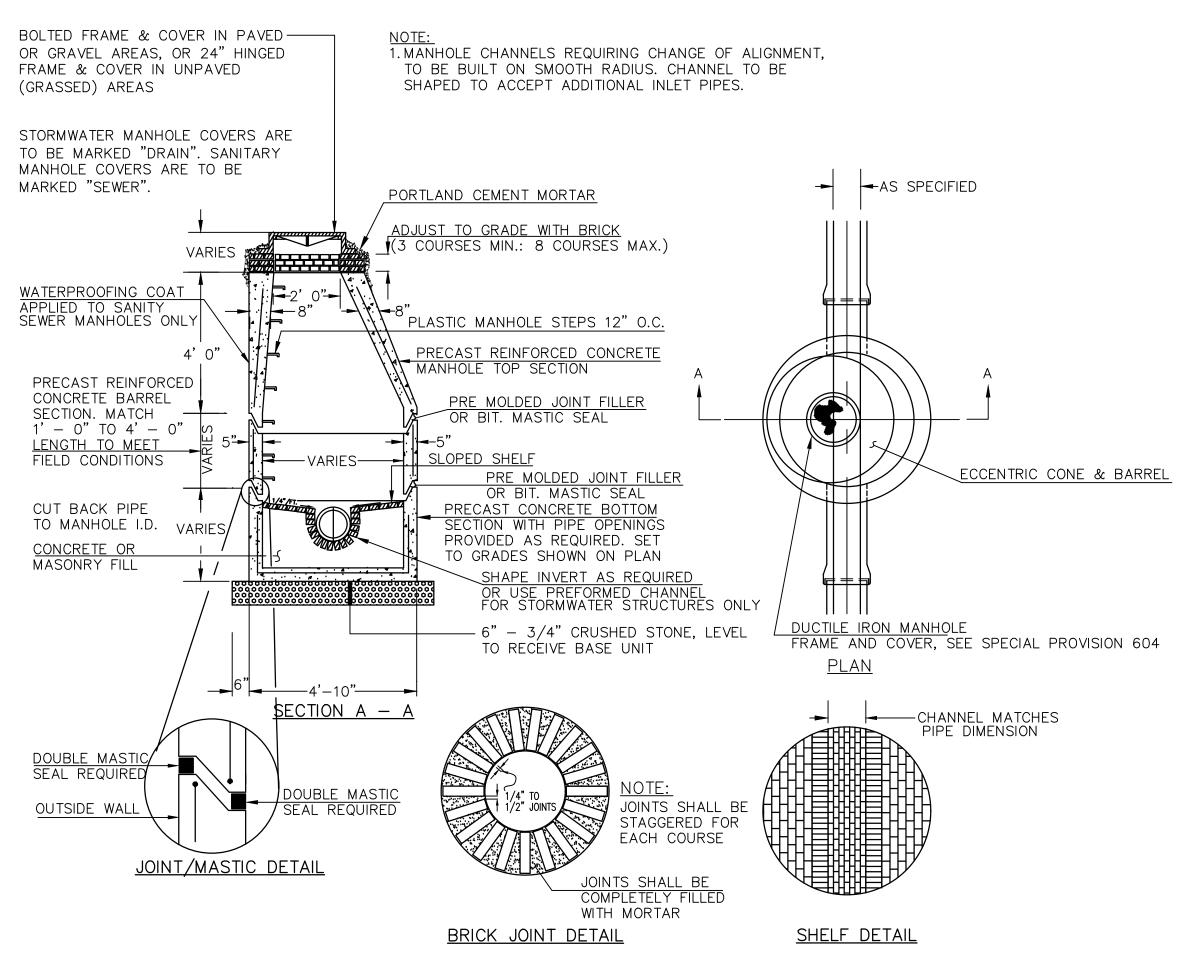
CATCH BASIN PROTECTION DETAIL

(FOR PAVED AREAS)

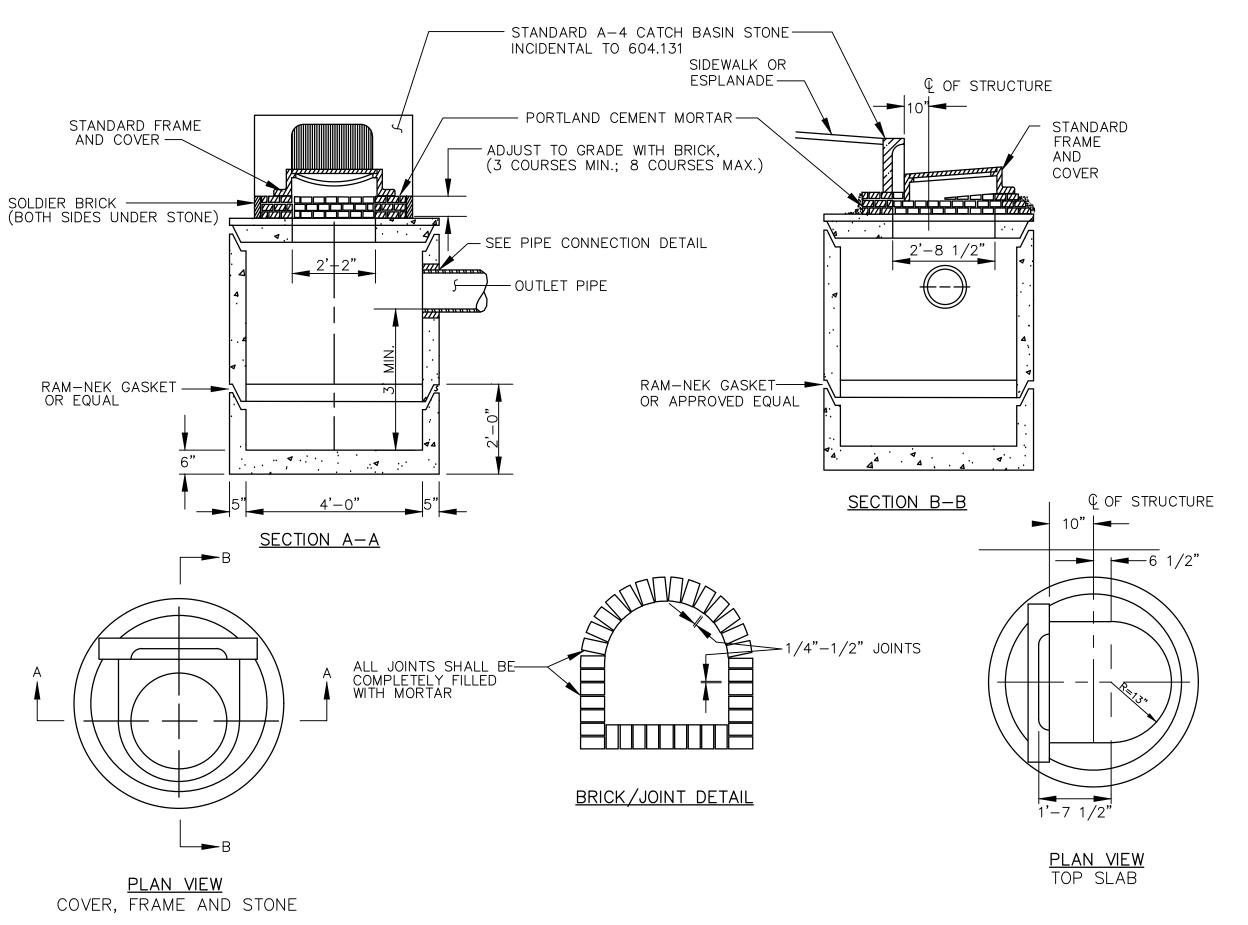
NOT TO SCALE



PLASTIC MANHOLE STEPS



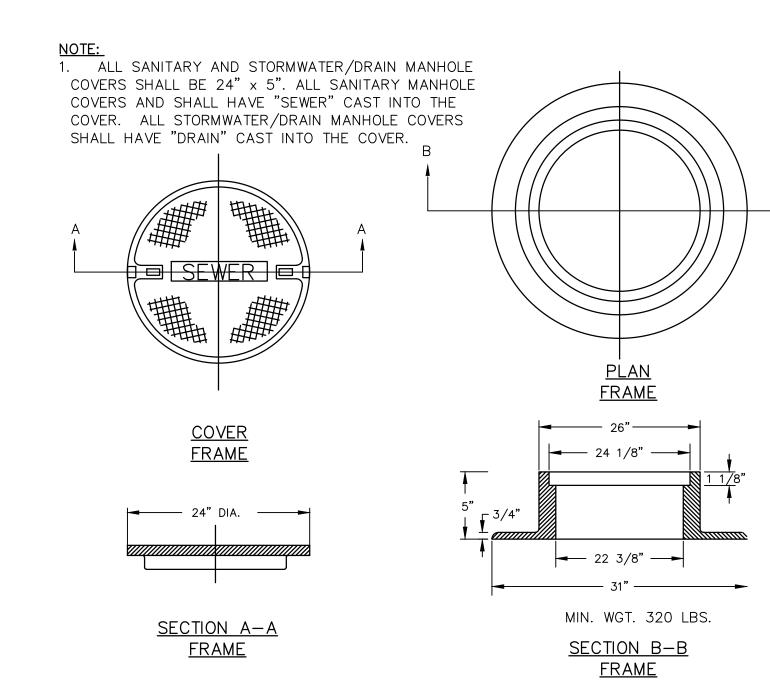
PRECAST CONCRETE MANHOLE TYPE "A"



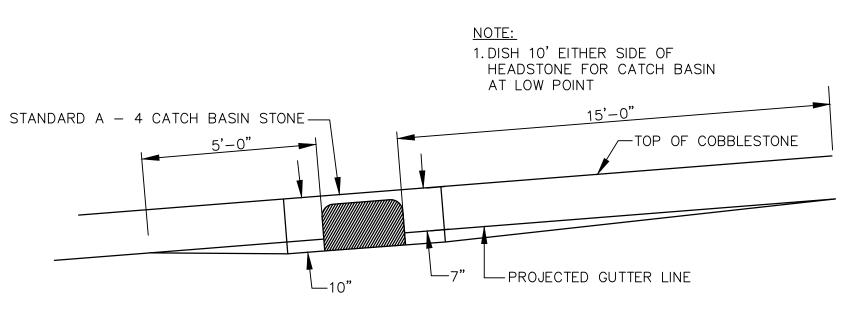
PRECAST CONCRETE CATCH BASIN - TYPE E

NOTE:

1. TYPE E CATCH BASINS ARE TO BE INSTALLED AT LOCATIONS IN PUBLIC STREETS ONLY. SEE SHEET C30-04 FOR TYPICAL BASINS TO BE INSTALLED ON MMC PROPERTY, ENTRANCE PLAZA.

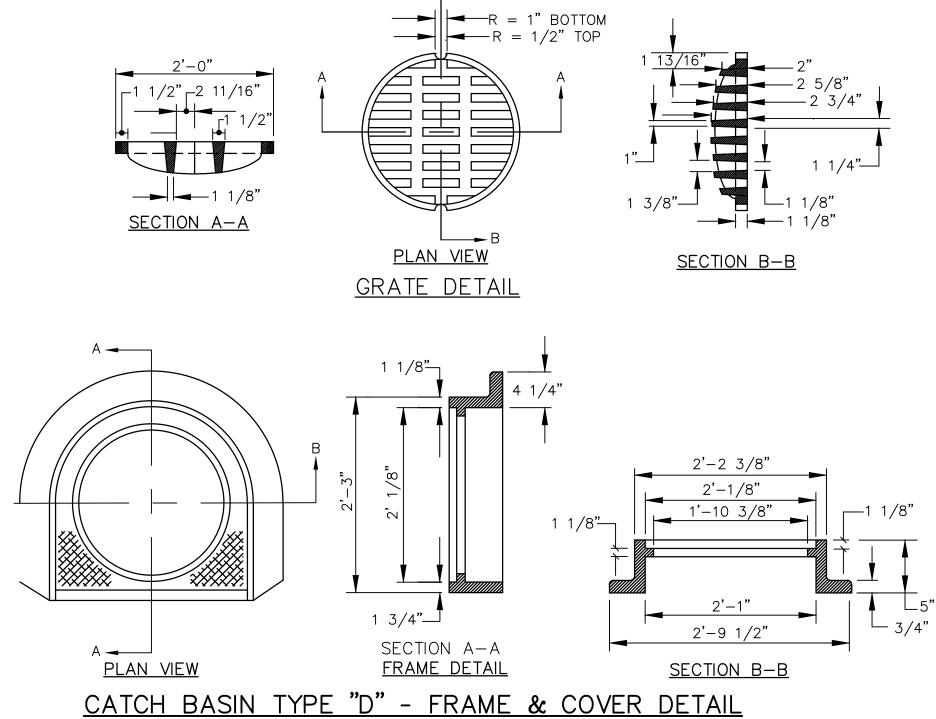


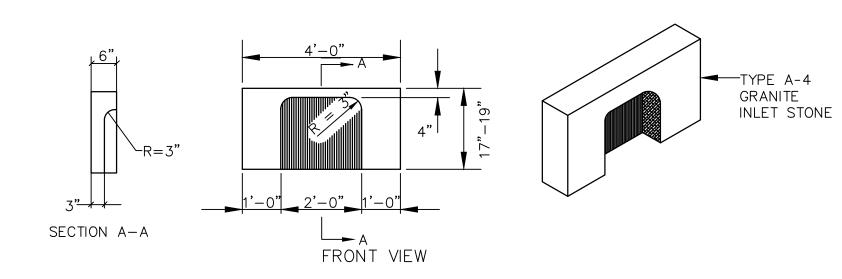
CAST IRON MANHOLE FRAME AND COVER



TYPICAL PAVEMENT GRADING ON SLOPES FOR CATCH BASIN & INLET

┌──B





TYPE A-4 GRANITE CATCH BASIN INLET STONE DETAIL NOT TO SCALE

NOTE:

1. TYPE D FRAME AND COVER AND TYPE A-4 GRANITE HEADSTONES ARE TO BE INSTALLED AT CATCH BASINS IN PUBLIC STREETS ONLY. SEE SHEET C30-04 FOR TYPICAL BASINS TO BE INSTALLED ON MMC PROPERTY, ENTRANCE PLAZA.

GENERAL NOTES FOR MANHOLES & CATCH BASINS

1. ALL CONCRETE SHALL BE CLASS "A" AND HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 4000 lbs. PER SQ. INCH AT THE END OF 28 DAYS, UNLESS OTHERWISE NOTED.

PRECAST REINFORCED CONE BARREL MANUFACTURED PER ASTM SPEC. C-478-67
 SEWER BRICK SHALL CONFORM TO ASTM SPEC. DESIGNATE ON C-32-63, GRADE

MA AND SA.

4. SANITARY SEWER MANHOLES SHALL HAVE A BITUMINOUS WATERPROOFING APPLIED TO THE EXTERIOR SURFACE. IF CONSTRUCTED OF BRICK MASONRY, SURFACE SHALL BE PLASTERED WITH A SMOOTH MORTAR FINISH 3/8" THICK. AFTER THE MORTAR HAS SET, THE SURFACE SHALL BE WATERPROOFED AS REQUIRED BY SUPPLEMENTAL SPECIFICATIONS SECTION 604

SUPPLEMENTAL SPECIFICATIONS SECTION 604.

5. MANHOLES MAY BE CONSTRUCTED OF MASONRY, PRECAST REINFORCED CONCRETE, OR CAST IN PLACE.

6. ALL PRECAST MANHOLES AND CATCH BASINS SHALL BE IDENTIFIED BY <u>STATION</u> AND <u>OFFSET</u>, PAINTED ON THE SIDE OF THE STRUCTURE BY THE MANUFACTURER.

EXISTING FRAMES, AND COVERS SHALL BE SALVAGED BY THE CONTRACTOR, AND SHALL REMAIN THE PROPERTY OF THE CITY OF PORTLAND. CONTRACTOR SHALL DELIVER TO CITY STOCKYARD AT NO COST.
 EXISTING GRANITE COBBLE STONE AND PAVERS SHALL BE STOCKPILE BY THE

GRANITE NOT USED SHALL REMAIN THE PROPERTY OF THE CITY OF PORTLAND.

9. ALL NEW CATCH BASINS IN PUBLIC STREETS SHALL RECEIVE A TYPE A-4 GRANITE INLET STONE UNLESS OTHERWISE NOTED.

CONTRACTOR, AND REUSED FOR CONSTRUCTION OF NEW COBBLE STONE GUTTER.

PERKINS + WILL

+ W I L L

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MaineHealth

MaineHealth

Maine Medical
Center

22 Bramhall Street

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75 John Roberts Road, Suite 4A,
South Portland, ME 04106

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Waltham, MA 02453

MEPFP ENGINEER/CODE/LOW VOLTAGE

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TURNER CONSTRUCTION
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ELEVATOR CONSULTANT

VDA (Van Deusen & Associates)
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COST ESTIMATOR

D.G. Jones International

D.G. Jones International
3 Baldwin Green Common, Suite 202, Woburn, MA 01801

MEDICAL EQUIPMENT PLANNING

Mitchell Planning

620 Dundon Pond Suite 340, Northbrook II, 60063

Congress Street
Building

22 Bramhall Street

Portland ME 04102



PROJECT KEY PLAN

SECTOR SECTOR VISITORS

O1 02 GARAGE

BEAN

BUILDING

OVERALL KEY PLAN

1 - NOT USED
2 - CONGRESS STREET
3 - VISITOR GARAGE
4 - EAST TOWER
5 - CENTRAL UTILITY PLANT
6 - BEAN BUILDING
7 - RICHARDS BUILDING
8 - MAINE GENERAL BUILDING

CONGRESS STREET ENABLING PACKAGE PERMIT SET

NO ISSUE DATE

Job Number 152189.000

Drawn MAL

Checked DLR

Approved DLR

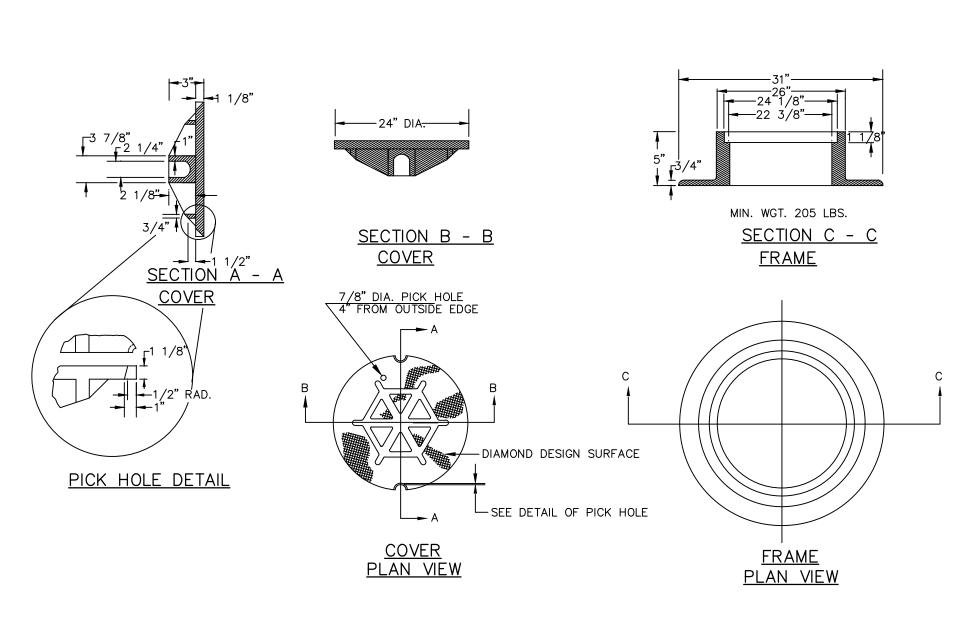
APRIL 01, 2019

DETAILS/
CONGRESS STREET
ENABLING WORK

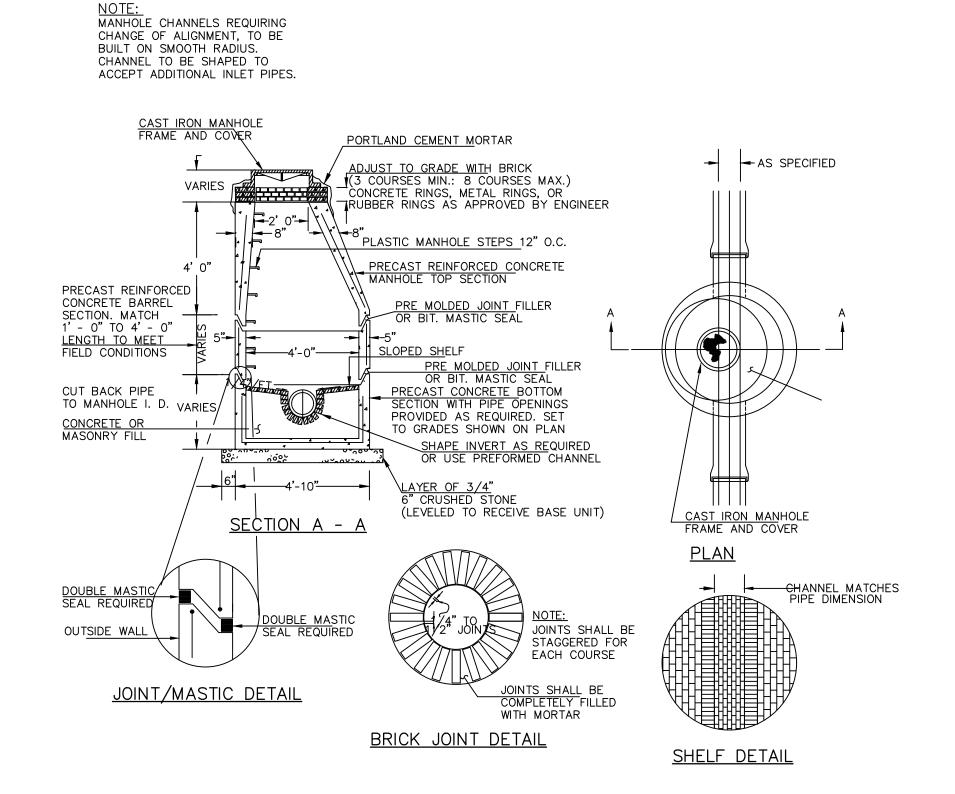
C05-01

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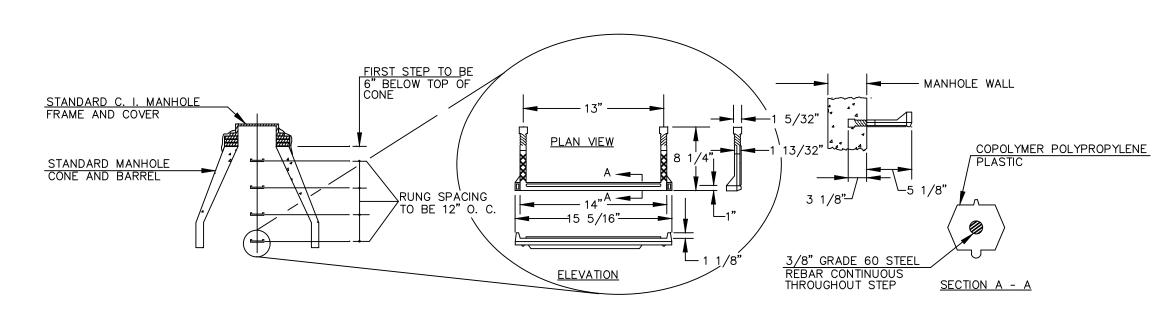
SHEET NUMBER



TYPICAL "A" CAST IRON MANHOLE COVER AND FRAME



PRECAST CONCRETE MANHOLE TYPE "A"



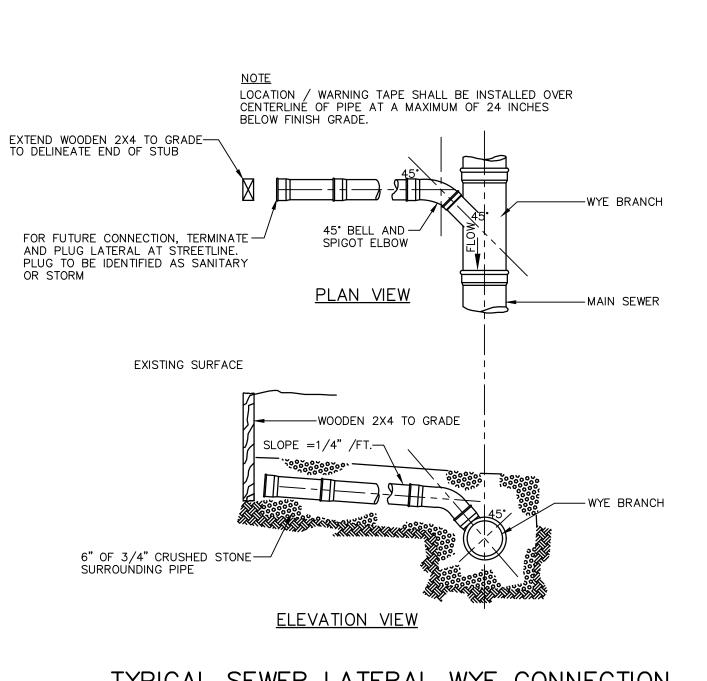
PLASTIC MANHOLE STEPS

TABLE OF DIMENSIONS

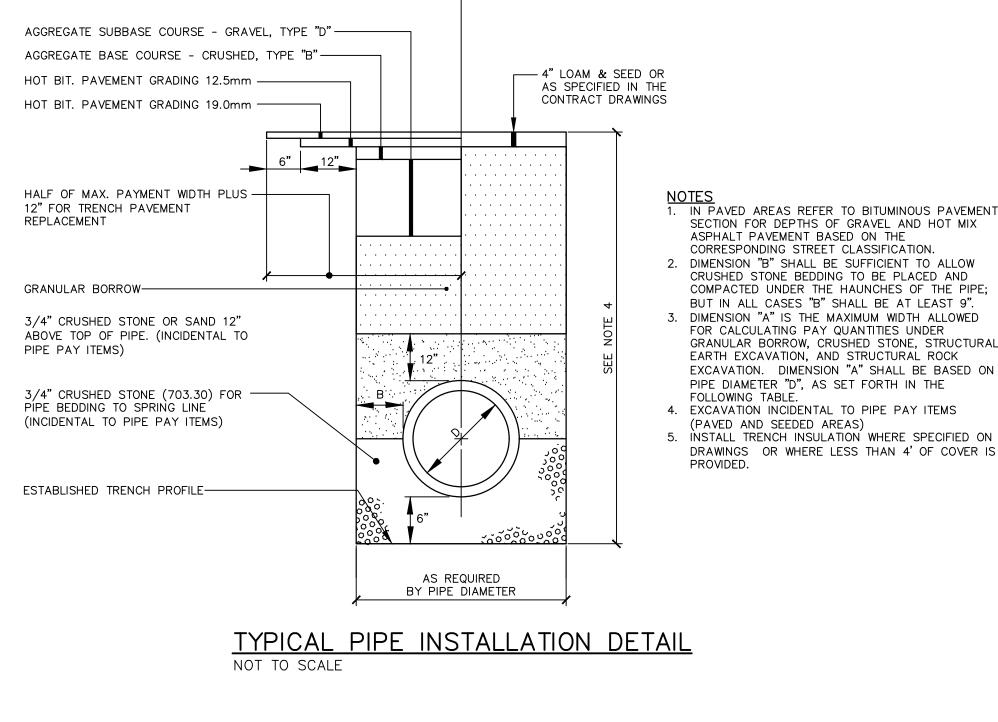
A = WIDTH OF UNSHEETED TRENCH

PVC, TRUSS, CMP, & POLYETHYLENE PIPE

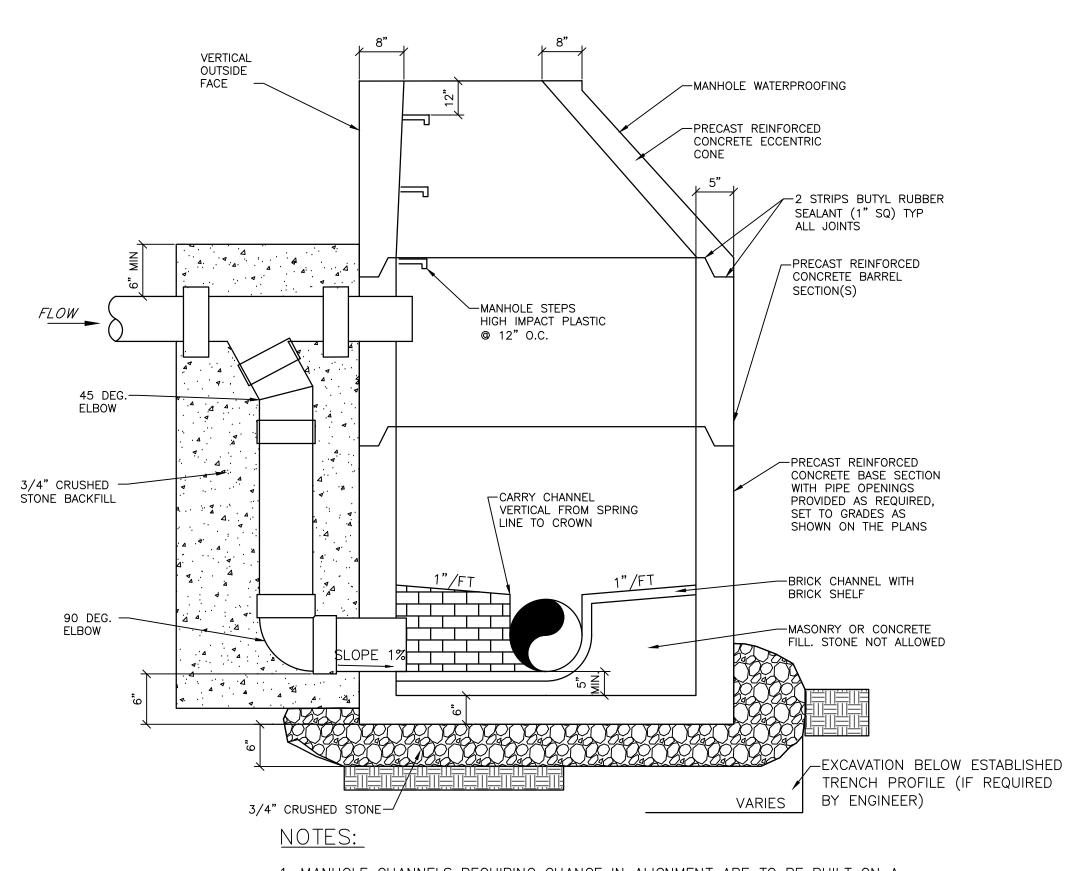
27 in. THROUGH 96 in. INCLUSIVE - TONGUE & GROOVE JOINTS



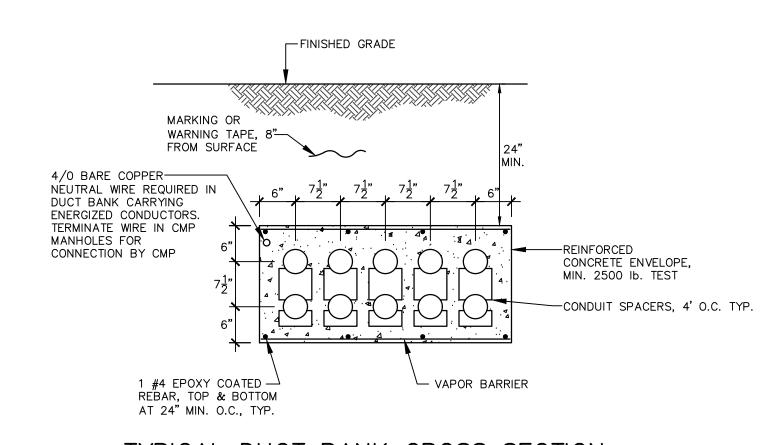
TYPICAL SEWER LATERAL WYE CONNECTION



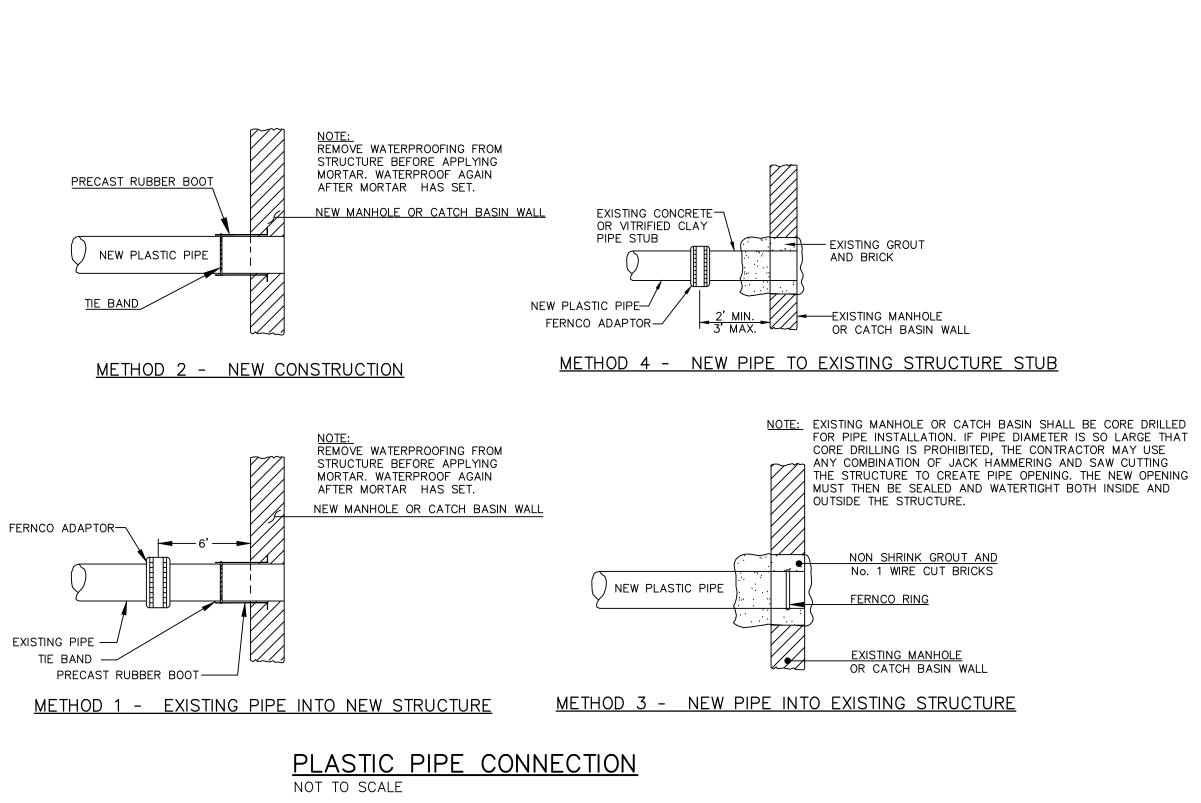
PAVED AREAS -

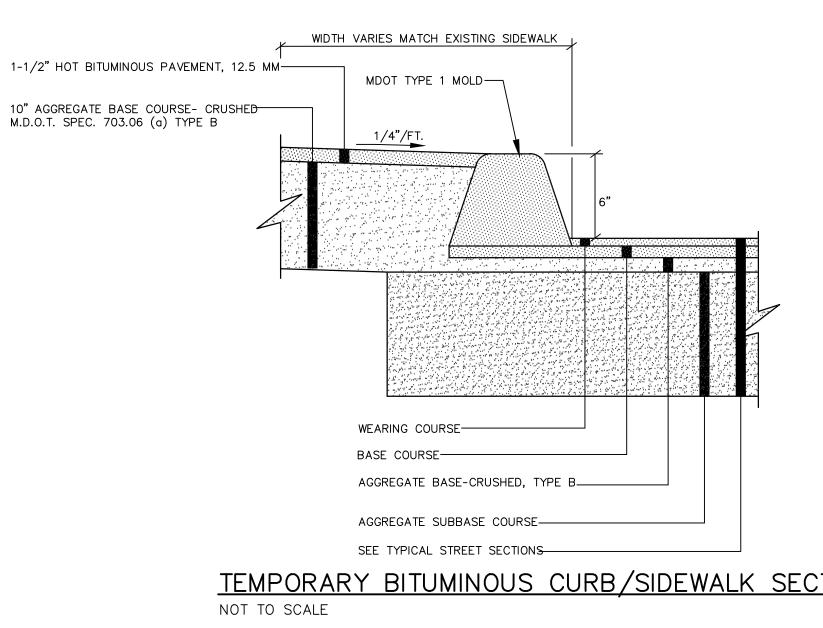


1. MANHOLE CHANNELS REQUIRING CHANGE IN ALIGNMENT ARE TO BE BUILT ON A SMOOTH RADIUS. IF SIDE PIPES ENTER CHANNEL, SHAPE TO RECEIVE ADDED SIDE FLOW. 2. USE FLAT SLAB TOP MANHOLE WHEN THE DIFFERENCE BETWEEN INVERT AND RIM IS LESS THAN 6'-0" AND WHEN MANHOLE DIAMETER IS GREATER THAN 4'-0". 3. ALL BACKFILL WITHIN 3 FEET OF STRUCTURE SHALL BE SELECT FILL PLACED IN 8" MAXIMUM LIFTS. OUTSIDE DROP MANHOLE

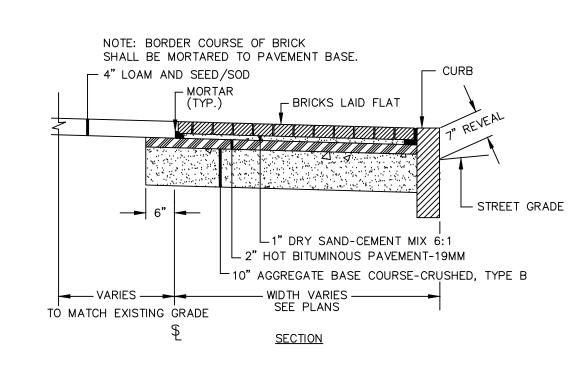


TYPICAL DUCT BANK CROSS-SECTION

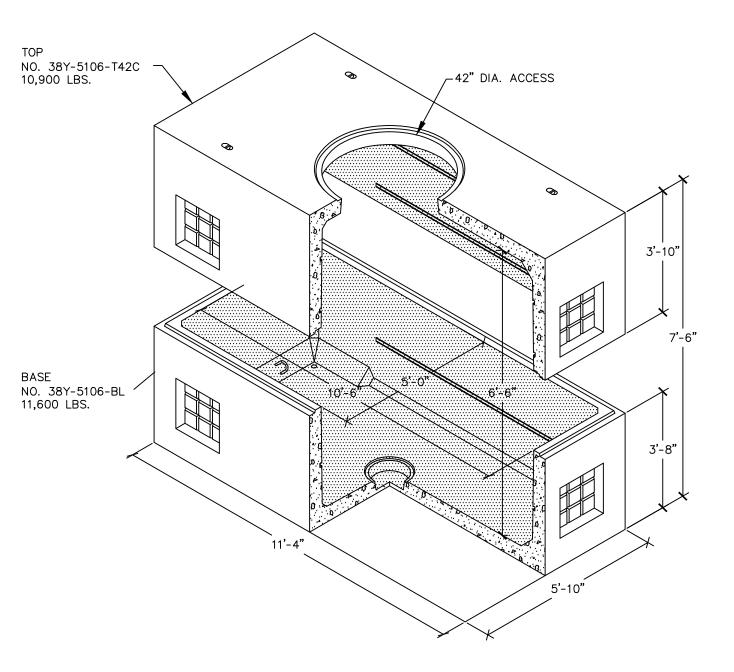




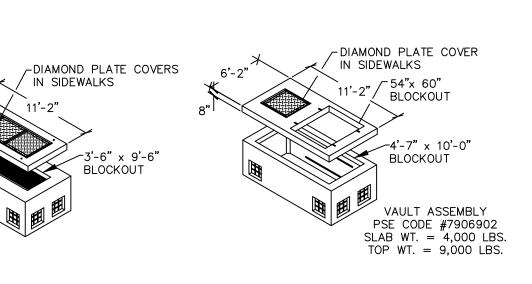
TEMPORARY BITUMINOUS CURB/SIDEWALK SECTION



BRICK SIDEWALK RECONSTRUCTION



OPTIONAL TOP SECTIONS IN SIDEWALKS VAULT ASSEMBLY
PSE CODE #7907110
SLAB WT. = 3,400 LBS.
TOP WT. = 9,100 LBS.

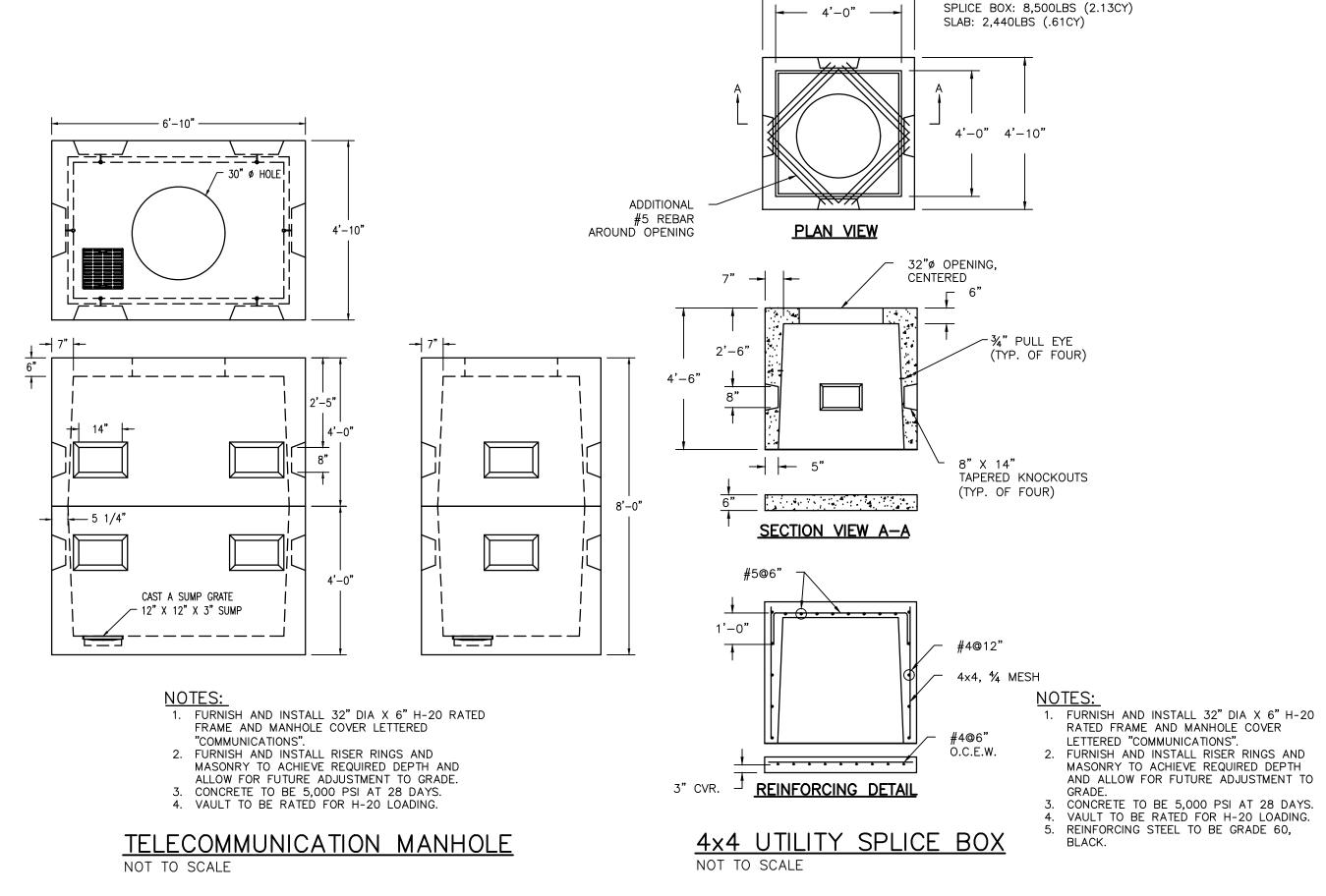


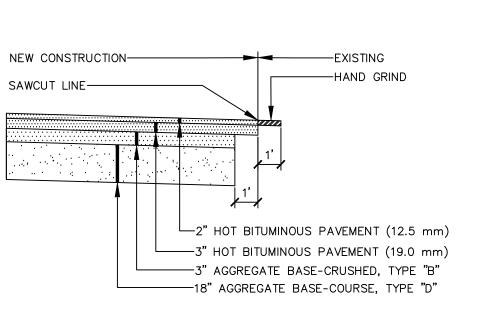
NOTE:

1. FURNISH AND INSTALL 42" FRAME, MANHOLE COVER PER CMP STANDARDS.

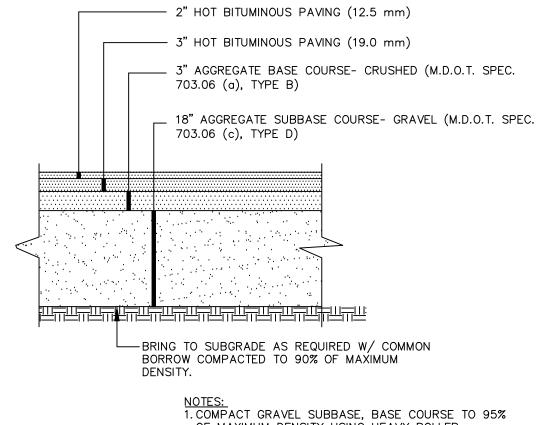
2. FURNISH AND INSTALL RISER RINGS AND MASONRY
TO ACHIEVE REQUIRED DEPTH AND ALLOW FOR FUTURE ADJUSTMENT TO GRADE. 3. BASIS OF DESIGN IS 3GY MANHOLE BY OLD CASTLE PRECAST MANHOLES SHALL MEET UTILITY OWNERS SPECIFICATIONS. 4. INSTALL GROUNDING RODS PER CMP STANDARDS

ELECTRICAL & TELECOMMUNICATIONS MANHOLE





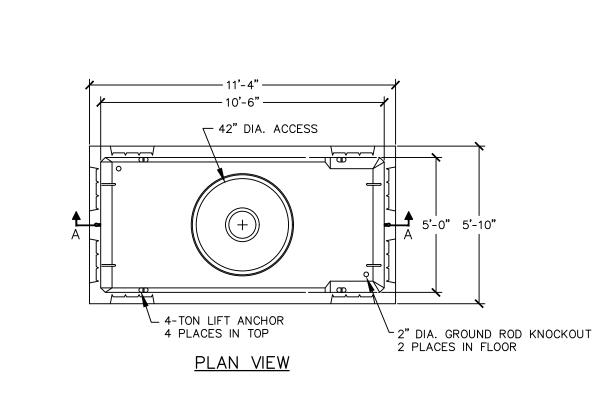
PAVEMENT BUTT JOINT NOT TO SCALE



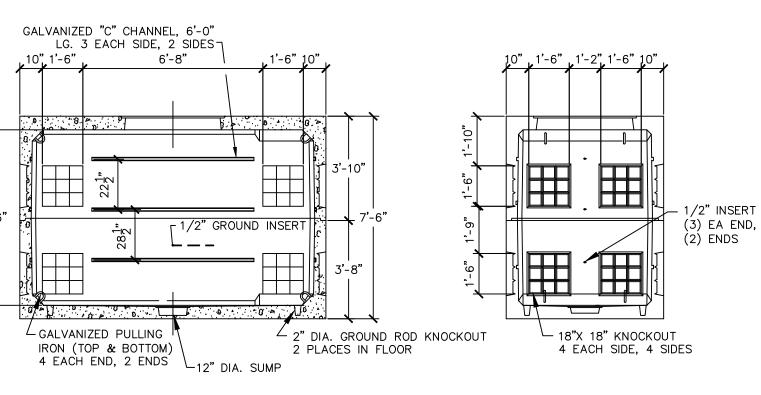
NOTES: 1. COMPACT GRAVEL SUBBASE, BASE COURSE TO 95% OF MAXIMUM DENSITY USING HEAVY ROLLER COMPACTION. 2.CONTRACTOR SHALL SET GRADE STAKES MARKING SUBBASE AND FINISH GRADE ELEVATIONS FOR

TYPICAL ROADWAY SECTION NOT TO SCALE

CONSTRUCTION REFERENCE.

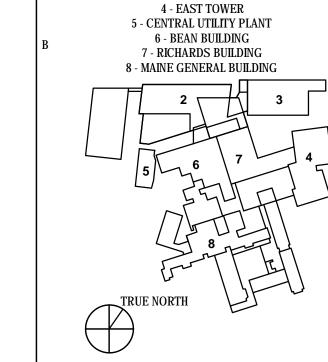


4'-10"



END VIEW SECTION AA

APPROX. WEIGHTS:



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Maine Medical

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Center

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CONSTRUCTION MANAGER

ELEVATOR CONSULTANT

COST ESTIMATOR

Mitchell Planning

PROJECT TITLE

Congress Street

22 Bramhall Street

Portland ME 04102

KEY PLANS

PROJECT KEY PLAN

OVERALL KEY PLAN

1 - NOT USED

2 - CONGRESS STREET

3 - VISITOR GARAGE

SECTOR

D.G. Jones International

MEDICAL EQUIPMENT PLANNING

TURNER CONSTRUCTION

t 617.478.0300 f 617.478.0321

CLIENT

CONGRESS STREET ENABLING PACKAGE PERMIT SET APRIL 01, 2019

NO	ISSUE	D	ATE
Job Num	ob Number 1		89.000
 Drawn		MAL	
Checked		DLR	
Approve			DLR

DETAILS/ **CONGRESS STREET ENABLING WORK**

C05-02

SHEET NUMBER

TITLE