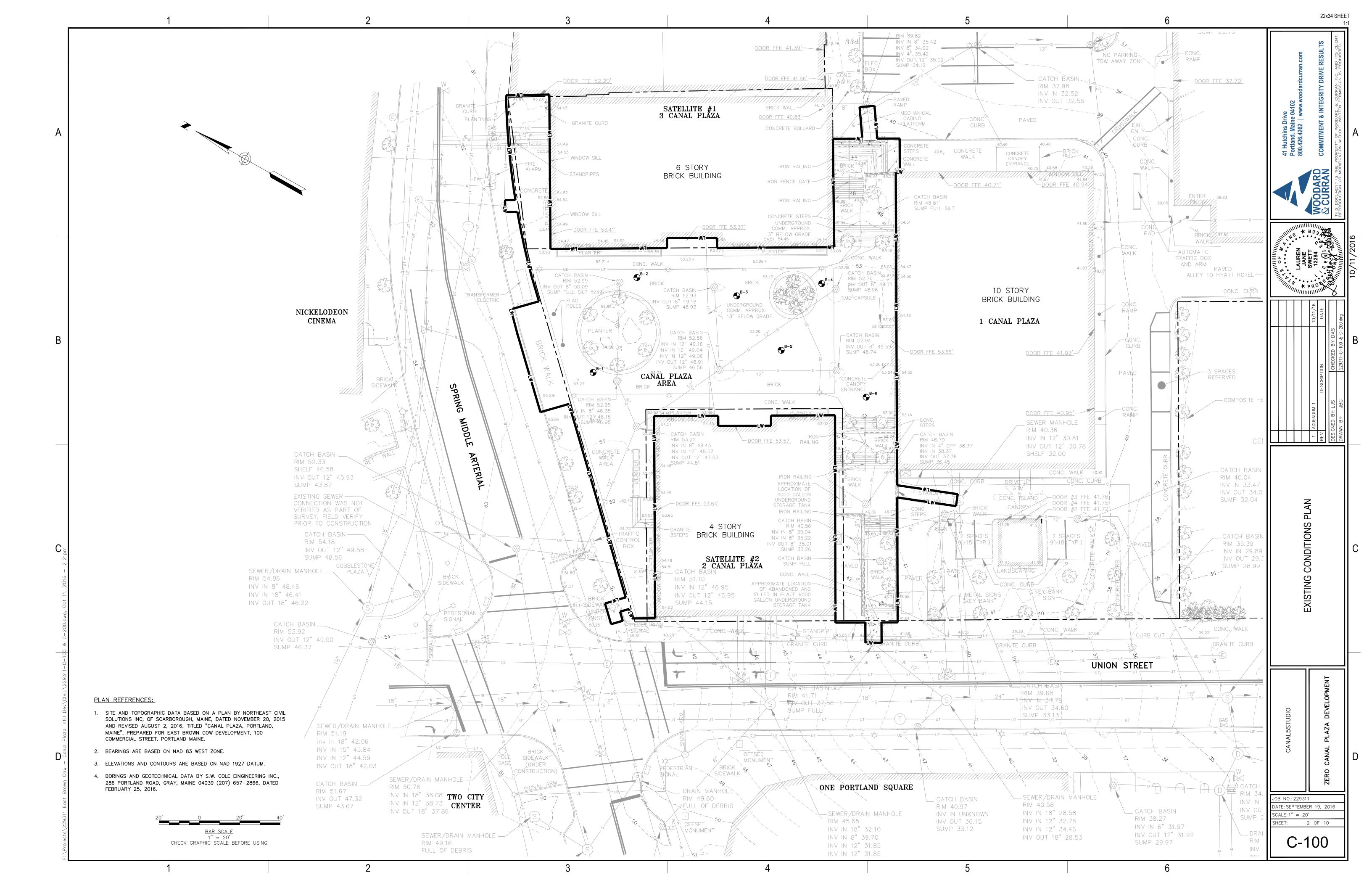
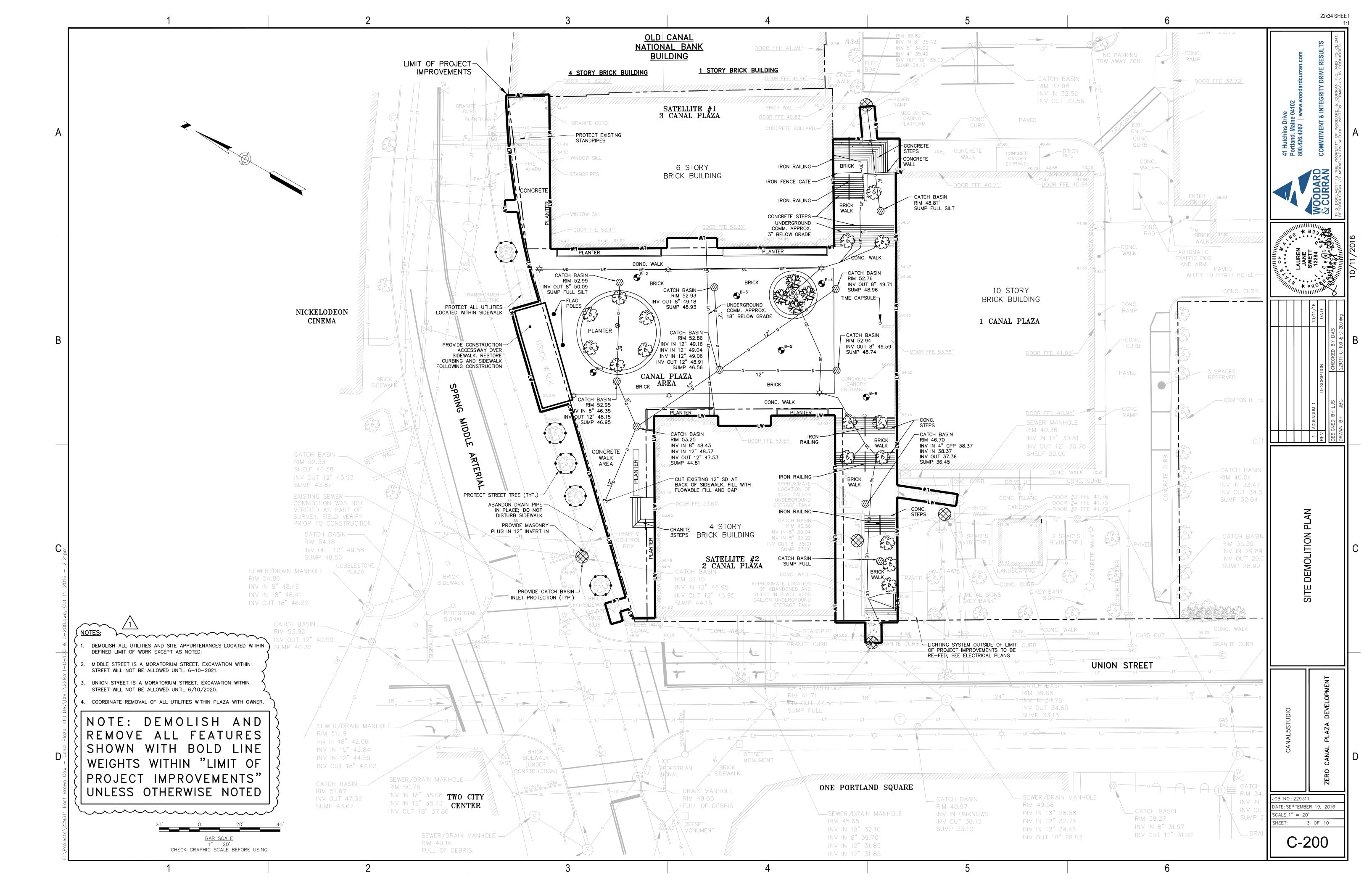
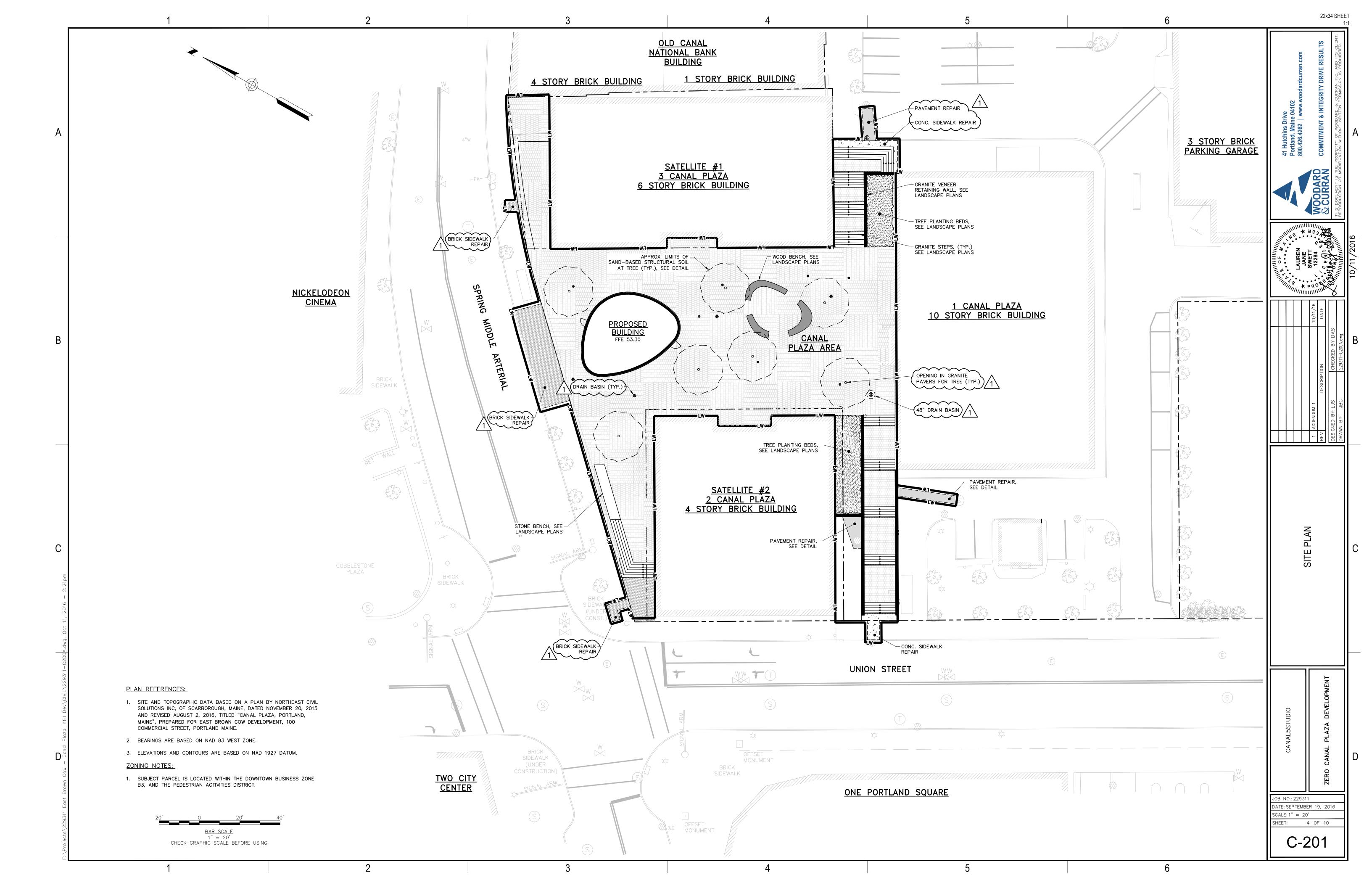
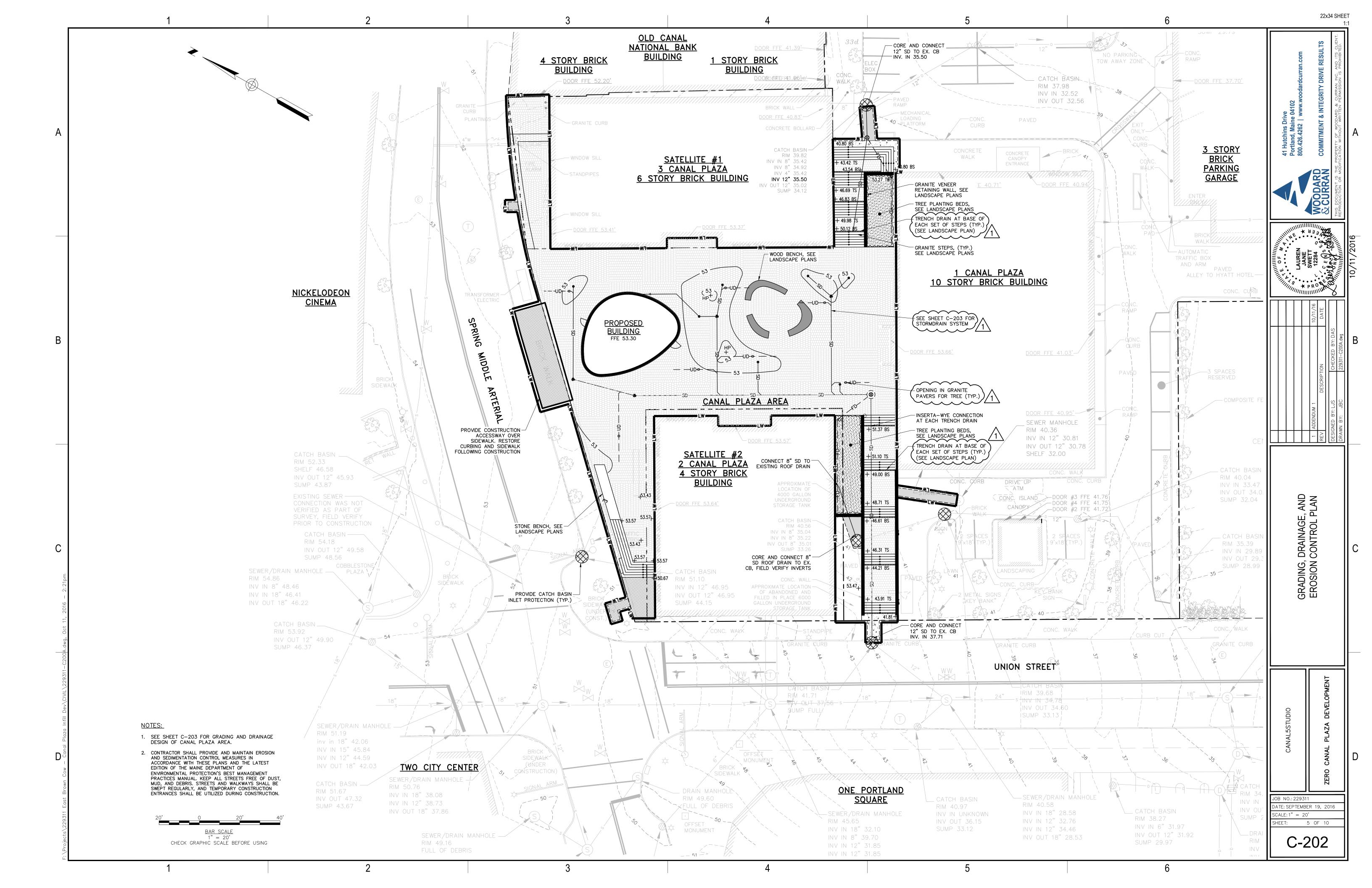
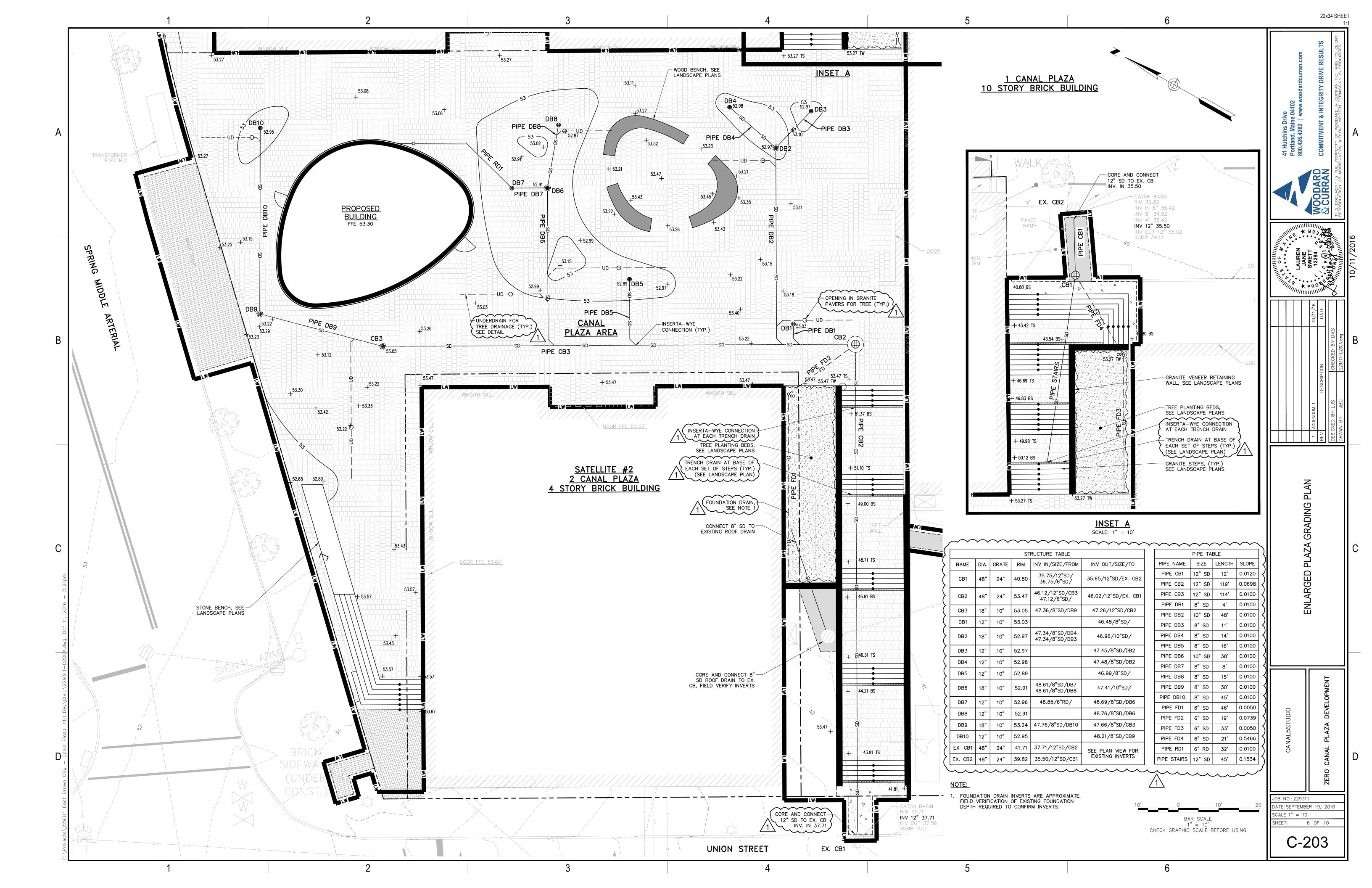
1	2	4	5	
	GENERAL NOTES:	SYMBOLS	LINE TYPES	шо
	1. SITE AND TOPOGRAPHIC DATA BASED ON A PLAN BY NORTHEAST CIVIL SOLUTIONS INC, OF SCARBOROUGH, MAINE, DATED	DESCRIPTION EXISTING PROPOSED	DESCRIPTION EXISTING PROPOSED	ırran.c
	NOVEMBER 20, 2015 AND REVISED AUGUST 2, 2016, TITLED "CANAL PLAZA, PORTLAND, MAINE", PREPARED FOR EAST BROWN COW DEVELOPMENT, 100 COMMERCIAL STREET, PORTLAND MAINE. BEARINGS ARE BASED ON NAD 83 WEST ZONE. ELEVATIONS AND CONTOURS ARE BASED ON NAD 1927 DATUM.	SANITARY SEWER MANHOLE	CONTOUR (1' INTERVAL)11	dardcu
	2. BORINGS AND GEOTECHNICAL DATA BY S.W. COLE EINGINEERING INC., 286 PORTLAND ROAD, GRAY, MAINE 04039 (207) 657–2866, DATED FEBRUARY 25, 2016.	STORM DRAIN MANHOLE CATCH BASIN	CONTOUR (INDEX) 10 10 SANITARY SEWER	02 v.wooc
	3. THE ENTIRE SITE SHALL BE DEVELOPED AND/OR MAINTAINED AS DEPICTED ON THE SITE PLAN. APPROVAL OF THE PLANNING AUTHORITY OR PLANNING BOARD SHALL BE REQUIRED FOR ANY ALTERATION TO OR DEVIATION FROM THE	DRAIN BASIN •	STORM DRAIN SD SD UNDERDRAIN UD UD	rive ne 041
	APPROVED SITE PLAN, INCLUDING, WITHOUT LIMITATION: TOPOGRAPHY, DRAINAGE, LANDSCAPING, RETENTION OF LANDSCAPED AREAS, ACCESS, SIZE, LOCATION, AND SURFACING OF PARKING AREAS, AND LOCATION AND SIZE OF BUILDINGS.	ELECTRICAL MANHOLE (E)	WATER MAIN	hins D d, Mair 4262
	4. THE UTILITY LOCATIONS SHOWN IN PLAN ARE APPROXIMATE AND REQUIRE FIELD VERIFICATION BY THE CONTRACTOR. CONTACT THE ENGINEER IMMEDIATELY UPON DISCOVERING ANY CONFLICTS WITH EXISTING AND PROPOSED UTILITY	COMMUNICATIONS MANHOLE (T) CABLE MANHOLE (C)	UNDERGROUND ELECTRIC E E E E E G G G G G G G T G T G T	1 Hutc ortlan 00.426
	LOCATIONS. NOT ALL EXISTING UTILITIES ARE SHOWN ON PLANS.	UTILITY POLE W/GUY	OVERHEAD ELECTRIC OE OE OE OF	4 G 8
	CLEAN AND/OR FLUSH ALL MANHOLES, CATCH BASINS, AND ASSOCIATED PIPING AFTER THE WORK HAS BEEN COMPLETED.	UTILITY POLE W/LIGHT	/COMMUNICATIONS/CABLE PROPERTY LINE — — — — — —	
	6. COORDINATE CONSTRUCTION ACTIVITY WITH UTILITY COMPANIES, EMERGENCY SERVICES AND CITY. CONTACTS ARE LISTED IN SPECIFICATIONS. NOTIFY UTILITY COMPANIES WITHIN 48 HOURS OF WORK ACTIVITY ADJACENT TO THOSE UTILITIES.	LIGHT POLE WIGHT	RIGHT OF WAY	
	7. CONTRACTOR SHALL NOTIFY ALL UTILITIES PRIOR TO COMMENCING WORK, ALLOWING SUFFICIENT TIME TO LOCATE AND MARK THE LOCATION OF BURIED UTILITIES. CONTRACTOR SHALL CONTACT "DIG SAFE", TELEPHONE 811, PRIOR TO EXCAVATION.	WATER GATE ⊗ ⊗	EASEMENT ————————————————————————————————————	
	8. RESTORE ALL AREAS DISTURBED BY CONTRACTOR'S OPERATIONS TO ORIGINAL FINISH (GRAVEL, PAVEMENT, SIDEWALKS,	WATER VALVE WATER SHUT OFF * * * * * * * * * * * *	RETAINING WALL STONEWALL	
	ETC.). RESTORATION OF PAVED SURFACES, GRAVEL SURFACES, DRIVEWAYS, AND LAWNS DAMAGED BY CONSTRUCTION ACTIVITIES OUTSIDE OF LIMITS OF WORK INDICATED ON THE PLANS SHALL BE PERFORMED AT NO ADDITIONAL COST TO OWNER. ANY CURB DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED IN KIND AND SHALL CONFORM TO CITY	HYDRANT	CURB ———	ER * 34 IIII
	OF PORTLAND AND MAINE DOT SPECIFICATIONS AT NO ADDITIONAL COST TO OWNER. 9. PROPERLY PROTECT AND DO NOT DISTURB PROPERTY IRONS AND MONUMENTS. IF DISTURBED, THE PROPERTY MONUMENT	SIGN — — — — — — — — — — — — — — — — — — —	TYPE 1 GRANITE CURB BITUMINOUS CURB	IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
	SHALL BE RESET AT THE CONTRACTOR'S EXPENSE BY A LICENSED LAND SURVEYOR. 10. EXISTING FACILITIES (I.E. TREES, POLES, LIGHT POSTS, CATCH BASINS, ETC.) SHALL BE REMOVED AND PROTECTED DURING	CONIFEROUS TREE	EDGE OF PAVEMENT ————————————————————————————————————	LAL Sw
	CONSTRUCTION. OWNER AND/OR CITY RETAINS RIGHT TO KEEP ANY AND ALL REMOVED FACILITIES FOR WORK WITHIN RIGHT—OF—WAY. CONTRACTOR TO DISPOSE OF ANY REMOVED FACILITY AT THE REQUEST OF OWNER AT CONTRACTOR'S EXPENSE.	DECIDUOUS TREE	BUILDING OUTLINE	IIIII × PR
	11. ALL TREES NOT NOTED TO BE REMOVED OR RELOCATED SHALL BE PROTECTED BY CONTRACTOR DURING CONSTRUCTION.	IRON PIN (FOUND) MONUMENTS (FOUND)	SAWCUT	
	12. ALL WORK WITHIN THE RIGHT OF WAY OF CITY STREETS SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY TRAFFIC ENGINEER. THE CONTRACTOR SHALL SUBMIT A PROPOSED TRAFFIC CONTROL PLAN TO THE	TEST PIT	ABBREVIATIONS	10/1/1
	TRAFFIC ENGINEER AT LEAST 7 DAYS BEFORE BEGINNING CONSTRUCTION IN ANY STREET. THE PROPOSED TRAFFIC CONTROL PLAN SHALL BE SUBJECT TO APPROVAL BY THE TRAFFIC ENGINEER, WHO MAY ATTACH SPECIAL CONDITIONS TO, OR REQUIRE MODIFICATIONS OF, THE TRAFFIC CONTROL PLAN. WORK SHALL NOT BEGIN UNTIL THE PLAN IS	BITUMINOUS PAVEMENT	& AND N.I.C. NOT IN CONTRACT	
	APPROVED BY THE TRAFFIC ENGINEER. 13. DO NOT PARK, IMPEDE ACCESS TO, OR STORE EQUIPMENT ON ADJACENT CITY OR PRIVATELY OWNED LOTS, UNLESS	CONCRETE SIDEWALK	A.G. ABOVE GROUND NO. NUMBER NR NO REFUSAL BC BOTTOM OF CURB N.T.S. NOT TO SCALE	
	PERMISSION HAS BEEN GRANTED IN WRITING BY CITY AND/OR LAND OWNER. 14. COORDINATE DISRUPTION OF PRIVATE UTILITY SERVICES WITH LANDOWNERS AT LEAST TWO DAYS (48 HOURS) PRIOR TO	CONCRETE SIDEWALK	BIT BITUMINOUS BW BOTTOM OF WALL OE OVERHEAD ELECTRIC	
	DISRUPTION. ALL UTILITY COORDINATION IS RESPONSIBILITY OF CONTRACTOR. 15. RESTRICT ACCESS TO SITE THROUGH THE USE OF APPROPRIATE SIGNAGE, BARRIERS, FENCES, ETC. SITE SHALL BE LEFT	BRICK SIDEWALK	B/W BETWEEN OH OVERHEAD CB CATCH BASIN ± PLUS OR MINUS	
	WITH APPROPRIATE SAFETY MEASURES IN PLACE DURING NON—WORKING HOURS. NO TRENCH SHALL BE LEFT OPEN DURING NON—WORKING HOURS. SITE SAFETY IS THE RESPONSIBILITY OF CONTRACTOR, DURING BOTH WORKING AND	LANDSCAPED AREA	CI CAST IRON LLS LICENSED LAND SURVEYOR CMP CENTRAL MAINE POWER PROP. PROPOSED CMP CORRUGATED METAL PIPE PT. POINT	
	NON-WORKING HOURS. 16. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSTRUCTION PERMITS. PERMIT APPLICATIONS SHALL BE	GRANITE PAVERS	CONC CONCRETE PVC POLYVINYL CHLORIDE	
	SUBMITTED WITH ADEQUATE TIME SO AS NOT TO DELAY CONSTRUCTION. 17. THE CONTRACTOR SHALL OBTAIN A CITY STREET OPENING PERMIT BEFORE BEGINNING CONSTRUCTION. THE CONTRACTOR		DI DUCTILE IRON R.O.W. RIGHT—OF—WAY DIA. DIAMETER RCP REINFORCED CONCRETE PIPE DMH DRAIN MANHOLE REINF. REINFORCED	L
	WILL ALSO BE REQUIRED TO HAVE A CURRENT EXCAVATOR'S LICENSE IN THE CITY. 18. ALL WORK IN THE PUBLIC R.O.W. SHALL BE COMPLETED IN ACCORDANCE WITH ARTICLES VI, VII, AND IX OF CHAPTER		DTL. DETAIL REQ'D REQUIRED	
	25-STREETS, SIDEWALKS, AND OTHER PUBLIC PLACES OF THE CITY OF PORTLAND CODE OF ORDINANCES. 19. ALL SEWER CONSTRUCTION IN THE PUBLIC WAY SHALL BE COMPLETED IN ACCORDANCE WITH ARTICLE II OF CHAPTER		E UNDERGROUND ELECTRICAL S SLOPE (FT./FT.) EL. ELEVATION S SEWER E.O.P. EDGE OF PAVEMENT SD STORM DRAIN	(0
	24—SEWERS OF THE CITY OF PORTLAND CODE OF ORDINANCES. 20. UPON COMPLETION OF CONSTRUCTION, A COMPLETE SET OF "RECORD" DRAWINGS THAT REFLECT ANY AND ALL		EXIST. EXISTING SMH SEWER MANHOLE SCH SCHEDULE	
	20. UPON COMPLETION OF CONSTRUCTION, A COMPLETE SET OF RECORD DRAWINGS THAT REFLECT ANY AND ALL MODIFICATIONS TO THE DESIGN SHALL BE SUBMITTED TO THE OWNER. 21. WORK IS IN CLOSE PROXIMITY TO EXISTING UTILITIES. PROTECTION OF EXISTING UTILITIES DURING CONSTRUCTION SHALL		FT FOOT/FEET TS TOP OF STAIRS	IAT
	BE AT NO ADDITIONAL COST TO THE OWNER.		G GAS MAIN TW TOP OF WALL GS GAS SERVICE TYP. TYPICAL GALV. GALVANIZED	
	22. FOR TEST PIT LOCATIONS SHOWN ON PLANS, FIELD VERIFY EXISTING UTILITY ELEVATIONS PRIOR TO NEW UTILITY INSTALLATION. NOTIFY ENGINEER OF ANY CONFLICTS.		GRAN. GRANITE UP UTILITY POLE	======================================
	23. CONTACT CITY OF PORTLAND ARBORIST AND ENGINEER PRIOR TO CUTTING ROOTS, TRIMMING BRANCHES, OR DISTURBING TREES WITHIN THE R.O.W. THAT NOT HAVE BEEN NOTED FOR REMOVAL ON THE PLANS.		HDPE HIGH DENSITY POLYETHYLENE VC VITRIFIED CLAY HYD HYDRANT VIT. VITRIFIED CLAY	
	24. IF CONTRACTOR PROPOSES TO TEMPORARILY STOCKPILE ANY SURPLUS SOIL AND ROCK IN THE CITY OF PORTLAND, THE CONTRACTOR SHALL OBTAIN APPROVAL FOR EACH STOCKPILE LOCATION FROM THE ENGINEER. IF CONTRACTOR PROPOSES TO PERMANENTLY STOCKPILE ANY SURPLUS SOIL AND ROCK ON PROPERTY IN THE CITY OF PORTLAND, THE CONTRACTOR		INV. INVERT W WEST W WATER	D, 4
	MUST OBTAIN ANY SITE PLAN PERMITS REQUIRED FROM THE CITY PLANNING AUTHORITY OR ANY FILL PERMITS REQUIRED FROM MDEP OR U.S. ARMY CORPS OF ENGINEERS. BOTH TEMPORARY AND PERMANENT STOCKPILE LOCATIONS SHALL MEET THE APPLICABLE SETBACK REQUIREMENTS IN THE CITY LAND USE CODE AND SHALL RECEIVE PROPER		W WATERMAIN MAX. MAXIMUM WS WATER SERVICE	GEN
	STABILIZATION AND EROSION & SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH APPROVED SOIL EROSION & WATER POLLUTION CONTROL PLAN.		MDOT MAINE DEPARTMENT OF WV WATER VALVE TRANSPORTATION MIN. MINIMUM	
	25. CAPPED PIPE STUB LOCATIONS SHALL BE MARKED WITH EMBEDDED STAKE AND A MINIMUM OF THREE TIES SHOULD BE RECORDED. EMBEDDED STAKE SHALL BE 2x4 WITH PK NAIL DRIVEN IN TOP, LENGTH AS REQUIRED TO SPAN FROM TOP		MON MONUMENT	II TES
	OF PIPE TO 6" BELOW GRADE LOCATION AND ELEVATION OF PIPE STUB SHALL BE PROVIDED TO THE OWNER AS PART OF THE RECORD DRAWING SUBMITTAL. WARNING TAPE AND WIRE SHALL BE INSTALLED OVER PIPE STUBS IN ACCORDANCE WITH SPECIFICATIONS.			
	26. PRIOR TO CONSTRUCTION, A PRECONSTRUCTION MEETING SHALL BE HELD AT THE PROJECT SITE WITH THE CONTRACTOR, DEVELOPMENT REVIEW COORDINATOR, PUBLIC SERVICES REPRESENTATIVE, AND OWNER TO REVIEW THE CONSTRUCTION			
	SCHEDULE AND CRITICAL ASPECTS OF THE SITE WORK. AT THAT TIME, THE SITE/BUILDING CONTRACTOR SHALL PROVIDE THREE (3) COPIES OF A DETAILED CONSTRUCTION SCHEDULE TO THE ATTENDING CITY REPRESENTATIVE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE A MUTUALLY AGREEABLE TIME FOR THE PRECONSTRUCTION MEETING.			
	27. EXISTING PAVEMENT SHALL BE SAWCUT AND BUTTED TO THE NEW PAVEMENT. NO FEATHERING OF PAVEMENT WILL BE PERMITTED.			
	28. ELECTRONIC DRAWING FILES CAN BE PROVIDED TO CONTRACTOR FOR LAYOUT PURPOSES UPON REQUEST. CONTACT			
	LAUREN SWETT AT WOODARD & CURRAN (207-774-2112).			
				TUDIC
				CAN
				JOB NO.: 229311
				DATE: SEPTEMBER SCALE: AS NOTED
				SHEET: 1
				G-00

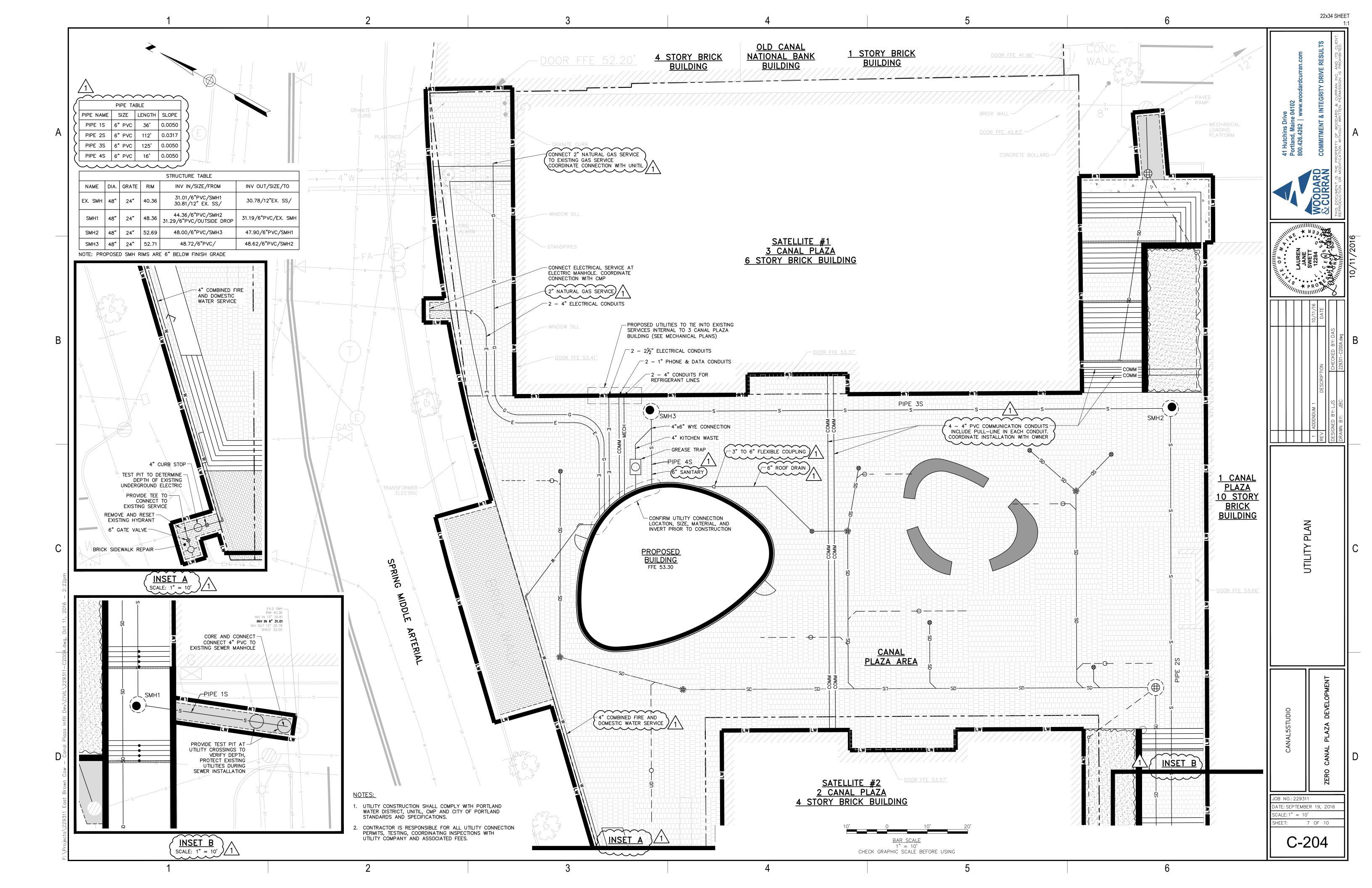


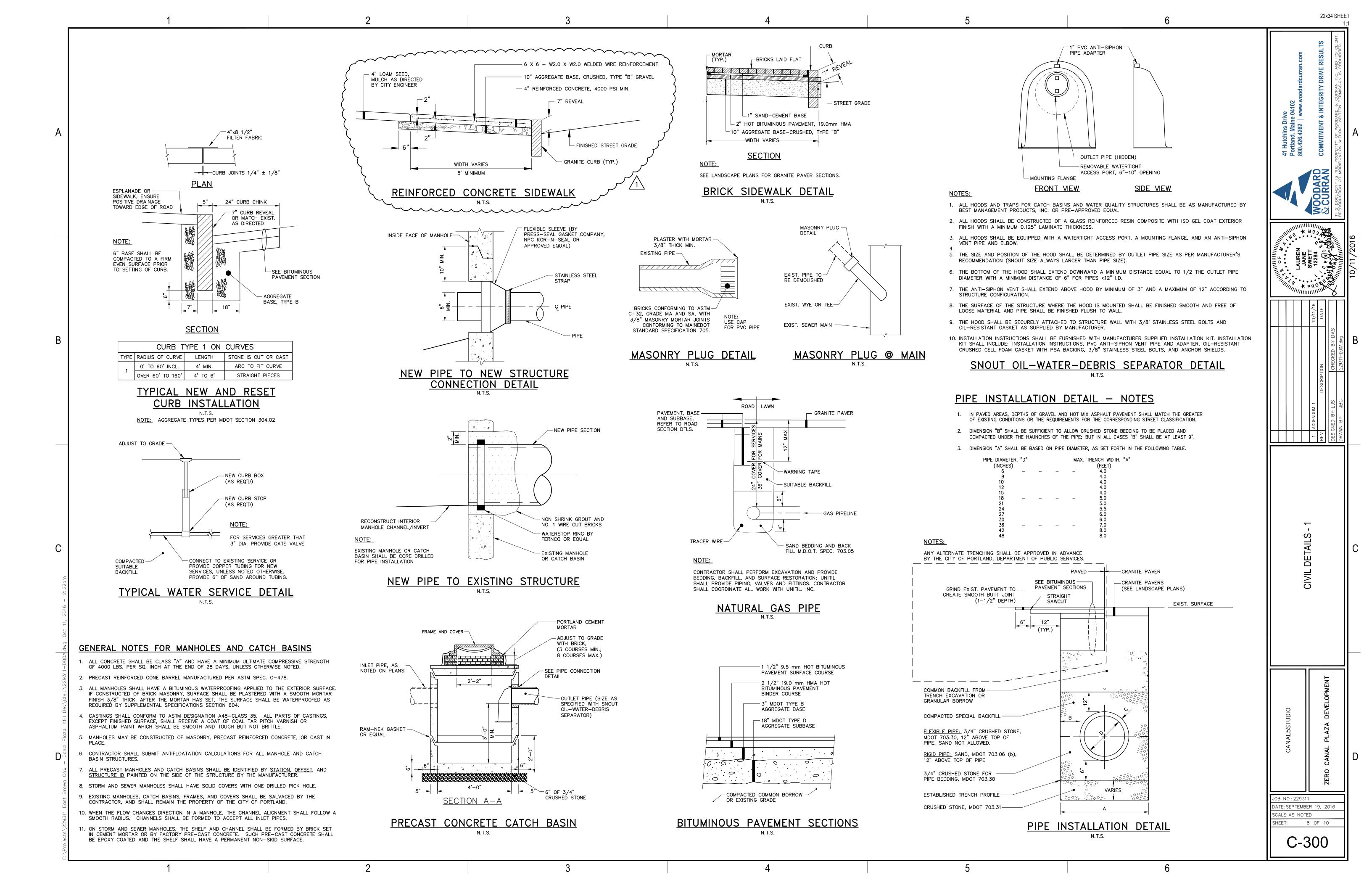


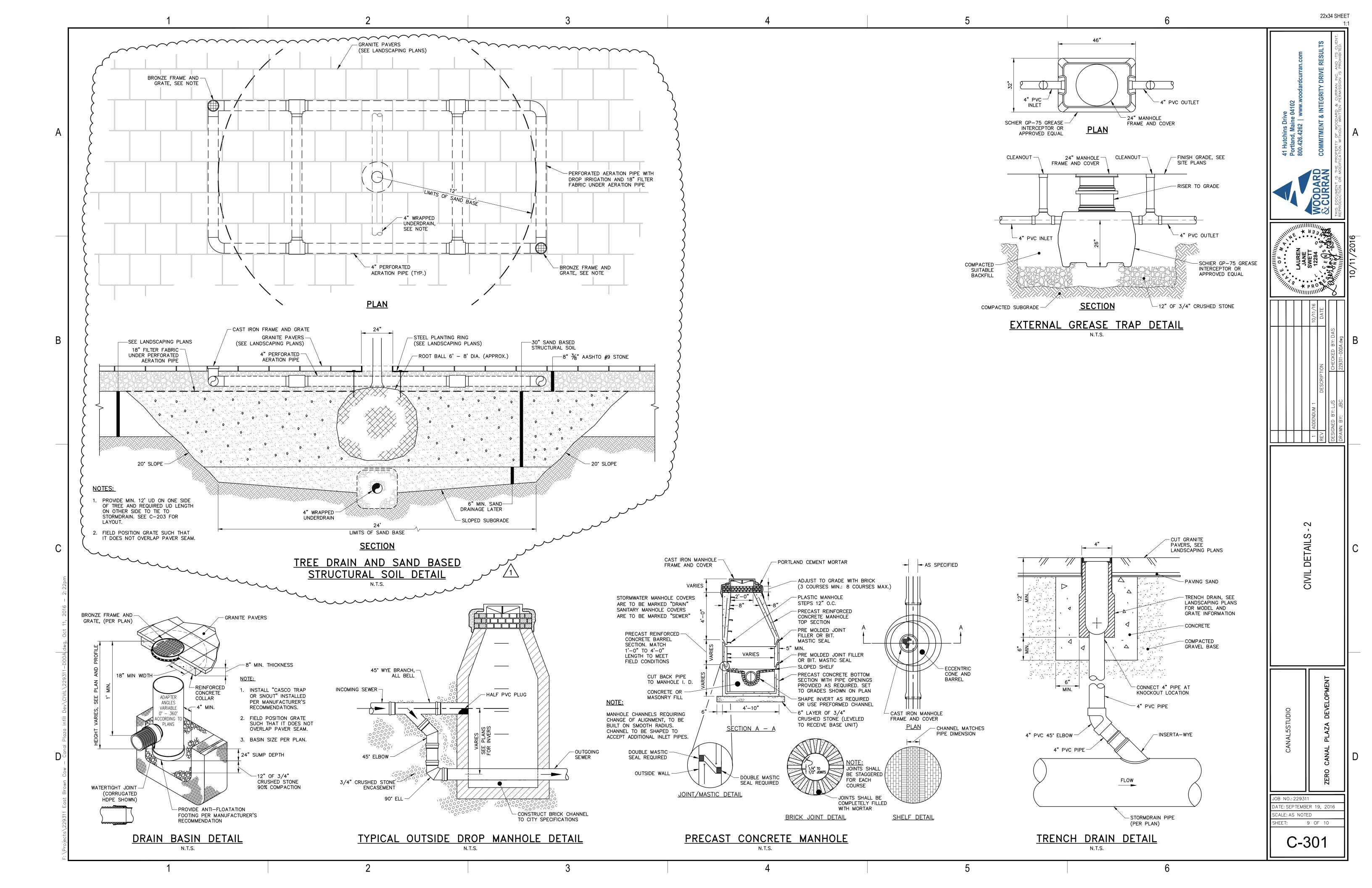












EROSION AND SEDIMENTATION CONTROL NOTES EROSION AND SEDIMENT CONTROL NOTES TEMPORARY EROSION CONTROL MEASURES MAY INCLUDE THE USE OF STABILIZED CONSTRUCTION ENTRANCES, HYDRAULIC MULCH, HAY AND STRAW MULCH, EROSION CONTROL BLANKET, TURF REINFORCED MATTING, RIPRAP AND TEMPORARY SEEDING. TEMPORARY SEDIMENT CONTROL MEASURES INCLUDE THE USE OF SILT FENCE, EROSION CONTROL MIX BERMS, PLUNGE POOLS, CHECK DAMS, SEDIMENT TRAPS, CATCHBASIN Temporary Erosion Control SEDIMENT COLLECTION BAGS AND GEOTEXTILE FILTER BAGS. PERMANENT MEASURES INCLUDE THE USE OF RIPRAP AT EXPOSED STORMDRAIN AND CULVERT INLETS AND OUTLETS, ARMORED SWALES AND SLOPES AND PERMANENT VEGETATION. Contractor shall prepare and submit a soil erosion GEOTEXTILE ADAPTER SKIRT CATCH BASIN GRATE and water pollution control plan to engineer in accordance with section 656. A. THE PROJECT SHALL CONFORM WITH THE STANDARDS OF THE MAINE CONSTRUCTION GENERAL PERMIT, IF APPLICABLE. -REMOVAL STRAP Timing, Activity, and Location Dates For Use Measure B. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE MAINE EROSION AND SEDIMENT CONTROL BMPS HANDBOOK PUBLISHED BY THE MAINE DEP UNLESS OTHERWISE NOTED IN THESE PLANS. Before soil disturbance, install downhill of areas to be Sedimentation Barrier disturbed and around material stockpiles. C. ANY ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES DEEMED NECESSARY BY THE OWNER'S REPRESENTATIVE, DEPARTMENT OF ENVIRONMENTAL PROTECTION, AND/OR MUNICIPAL OFFICIALS SHALL BE INSTALLED BY THE CONTRACTOR. Before soil disturbance, install uphill of areas to be Jp-slope Diversion disturbed and material stockpiles. D. THE CONTRACTOR IS RESPONSIBLE FOR ALL FINES RESULTING FROM EROSION OR SEDIMENTATION FROM THE SITE TO SURROUNDING PROPERTIES, WATER BODIES, OR WETLANDS AS A RESULT OF THIS PROJECT. Before soil or pavement disturbance, install ACF Environmental, Inc. High Flow Siltsack, Siltsaver Inlet Filter. Catch Basin Protection E. THE CONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE SITE WHENEVER POSSIBLE WHILE ALLOWING PROPER SITE DEVELOPMENT. or equal, installed per manufacturer's requirements. **OVERFLOW** F. CONSTRUCTION STAGING SHALL BE CONDUCTED IN A WAY TO MINIMIZE THE POTENTIAL FOR STORMWATER RUN-ON TO DISTURBED During dry weather, apply water and calcium chloride to (TO BYPASS Dust Control control dust. PEAK STORM VOLUMES) April 15 to Oct. 1 Temporary Seeding Soil stockpiles that are not covered and disturbed areas G. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR/REPLACEMENT/MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL that will not be disturbed again within 14 days. If grass ALL DISTURBED AREAS ARE STABILIZED TO THE SATISFACTION OF THE ABOVE PERSONNEL. DESCRIPTIONS OF PERMANENT growth provides less than 95% soil coverage by Nov. 1, STABILIZATION FOR VARIOUS COVER TYPES FOLLOWS: apply mulch and anchor with erosion control blanket. i. FOR SEEDED AREAS, PERMANENT STABILIZATION MEANS THAT 90% OF THE DISTURBED AREA IS COVERED WITH REASONABLY THICK UNIFORM STAND OF PERMANENT GRASS SPECIES, FREE FROM SIZABLE THIN OR BARE SPOTS. April 15 to Sept. 15 Mulch On all areas of exposed soil prior to rain events or every $_{--}$ days, apply 100-150 lbs (2.5 bales) per 1,000 sq ft. KEEK X II. FOR SODDED AREAS, PERMANENT STABILIZATION MEANS THAT COMPLETE BINDING OF THE SOD ROOTS INTO THE UNDERLYING SOIL bv mechanical blower. WITH NO SLUMPING OF THE SOD OR DIE OFF. iii. FOR MULCHED AREAS, PERMANENT STABILIZATION MEANS TOTAL COVERAGE OF THE EXPOSED AREA WITH AN APPROVED MULCH Winter Mulch Sept. 16 to Oct. 31 On all areas of exposed soil prior to precipitation or every days, apply 150 to 170 lbs. mulch (4 bales) per iv. FOR AREAS STABILIZED WITH RIPRAP, PERMANENT STABILIZATION MEANS THAT SLOPES STABILIZED WITH RIPRAP HAVE AN 1,000 sq. ft. by mechanical blower. Erosion control blanket APPROPRIATE BACKING OF A WELL-GRADED GRAVEL OR APPROVED GEOTEXTILE. STONE MUST BE SIZED APPROPRIATELY AND IN may be used as a substitute for winter mulch. ACCORDANCE WITH SECTION E-6 OF THE MAINE EROSION AND SEDIMENT CONTROL BMP MANUAL On all areas of exposed soil, apply 150 to 170 lbs. mulch v. FOR PAVED AREAS, PERMANENT STABILIZATION MEANS THE PLACEMENT OF THE ASPHALT BINDER COURSE vi. FOR OPEN CHANNELS, LEVEL SPREADERS, ENGINEERED BUFFERS OR OTHER DESIGNED STORMWATER CONVEYANCE STRUCTURE, - SEDIMENT ACCUMULATION (4 bales) per 1,000 sq. ft. and anchor with netting at the PERMANENT STABILIZATION MEANS THE CHANNELIZED AREA(S) IS STABILIZED WITH MATURE VEGETATION AT LEAST THREE INCHES IN end of each working day. Erosion control blanket may be HEIGHT, WITH APPROVED RIPRAP, OR WITH OTHER NON-EROSÍVE LINING CAPABLE OF WITHSTANDING THE ANTICIPATED FLOW used as a substitute for winter mulch. ★ PRO VELOCITIES AND FLOW DEPTHS WITHOUT RELIANCE ON CHECK DAMS TO SLOW FLOW. THERE SHALL BE NO EVIDENCE OF SLUMPING, Until site is permanently | Inspect the erosion and sedimentation control measures UNDERCUTTING OR DOWNCUTTING OF THE DESIGNED CHANNEL. daily, and maintain and repair as necessary. CATCH BASIN PROTECTION TO BE "SILTSACK" (BY ACF ENVIRONMENTAL) H. IF THE AREA WILL REMAIN UNWORKED FOR MORE THAN ONE YEAR OR HAS BEEN BROUGHT TO FINAL GRADE, AND WILL NOT BE BUILT OR "STREAM GUARD" (BY FOSS ENVIRONMENTAL SERVICES). ON, THEN IMMEDIATELY PROVIDE PERMANENT STABILIZATION USING VEGETATION THROUGH PLANTING, SEEDING, SOD OR THROUGH THE USE OF PERMANENT MULCH OR RIPRAP. IF USING VEGETATION FOR STABILIZATION, SELECT THE PROPER VEGETATION FOR THE LIGHT, INSERT TO BE EMPTIED IN AN APPROVED MANNER WHEN IT IS 1/2 MOISTURE, AND SOIL CONDITIONS. AMEND AREAS OF DISTURBED, OVERLY-COMPACTED SUBSOIL WITH TOPSOIL OR COMPOST AND FULL OF SEDIMENT. LIGHTLY TILL 2-3" OF SOIL AMENDMENTS INTO THE TOP 8" OF SOIL. Permanent Erosion Control: INSPECT INSERT AFTER ALL RAINFALL EVENTS, REPAIR AND MAINTAIN PERMANENT SEEDING SPECIFICATION: IT IS RECOMMENDED THAT PERMANENT SEEDING BE COMPLETED BETWEEN APRIL 1 AND AUGUST AS REQUIRED. Timing, Activity, and Location 15 OF EACH YEAR. LATE SEASON SEEDING MAY BE DONE BETWEEN AUGUST 15 AND SEPTEMBER 15. AREAS NOT SEEDED OR WHICH Dates For Use Measure DO NOT OBTAIN A SATISFACTORY GROWTH BY OCTOBER 1 SHALL BE SEEDED WITH AROOSTOCK WINTER RYE OR MULCHED AT SPECIFIED RATES. SEE WINTER SEEDING AND MULCHING SPECIFICATIONS FOR STABILIZATION AFTER NOVEMBER 1 Pavement — Base Course lacksquare When no frost is in lacksquare Install only in areas shown on the plan, shortly after TEMPORARY INLET PROTECTION ground Final Course pavement base is brought to final grade. Install near . APPLY TOPSOIL TO A DEPTH OF 4 INCHES. IN COMPACTED AREAS TILL 2—3" OF COMPOST INTO UPPER 8" OF DISTURBED SOIL AND completion of project. THEN APPLY 4 INCHES OF TOPSOIL. April 15 to Sept. 15 ∣On final grade areas, within 7 days of grade preparation, ii. APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS. IN LIEU OF SOIL TESTS, APPLY GROUND LIMESTONE AT A RATE OF 33 LBS Permanent Seeding prepare topsoil, followed by seed and mulch application. PER 1000 SQUARE FEET AND GRANULAR, COMMERCIAL-GRADE FERTILIZER 10-10-10 AT A RATE OF 18 LBS PER 1000 SQUARE Sept. 16 to April 15 On final grade areas, with prepared topsoil. Apply seed at iii. UNIFORMLY APPLY SEED MIXTURE AT THE RECOMMENDED SEEDING RATES AND DATES, APPLY HAY OR STRAW MULCH AT A RATE double the specified rate on bare soil, and follow with an Dormant Seeding OF 2.5 BALES PER 1000 SQUARE FEET AND ANCHOR AS NECESSARY. application of winter mulch. J. PROTECT ALL SEEDED AREAS WITH MULCH OR EROSION CONTROL BLANKET IN AREAS OF SHEET OR CONCENTRATED FLOWS. MULCH Ground Cover, Trees, April 15 to Nov. 1 Install with final landscaping. ALL AREAS SO THAT SOIL IS NOT VISIBLE THROUGH THE MULCH REGARDLESS OF THE APPLICATION RATE. SCHEDULE SEEDING OR Shrubs SODDING TO AVOID FAILURE DUE TO SUMMER DROUGHT AND FALL FROST. NEWLY SEEDED AREAS SHOULD BE PROTECTED FROM VEHICLE TRAFFIC. PEDESTRIAN TRAFFIC AND CONCENTRATED RUNOFF UNTIL THE VEGETATION IS WELL ESTABLISHED. AREAS MUST BE Permanent Mulch Install with final landscaping REWORKED AND RESTABILIZED IF GERMINATION IS SPARSE OR SURFACE EROSION IS EVIDENT. K. DITCH LININGS AND RIPRAP INLET AND OUTLET PROTECTION SHALL BE INSTALLED WITHIN 48 HOURS OF COMPLETING THE GRADING OF THAT SECTION OF DITCH OR INSTALLATION OF THE CULVERT. Inspections: SEWER L. EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL PERMANENT SLOPES STEEPER THAN 3:1, IN THE BASE OF DITCHES AND ANY DISTURBED AREAS WITHIN 100 FEET OF A PROTECTED NATURAL RESOURCE (WETLANDS AND WATER RESOURCES). EROSION CONTROL BLANKET SHALL BE NORTH AMERICAN GREEN S150BN OR APPROVED EQUAL. EROSION CONTROL BLANKET SHALL BE Regular inspections of all erosion and sedimentation controls shall be made at least weekly and prior to and following storm events. Minimum inspections shall be made INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. as listed in the table below. M. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ALL TEMPORARY EROSION CONTROL MEASURE UPON STABILIZATION OF PROJECT Inspected Item AREA & COST SHALL BE INCIDENTAL TO CONTRACT. -DIAMOND DESIGN PIĆK HOLE Mulched Surfaces Thin mulch or inadequate application. Wind movement WINTER CONDITIONS Poor seed germination. Loss of mulch. Development of Seeded Surfaces A. WINTER CONSTRUCTION IS CONSTRUCTION ACTIVITY PERFORMED DURING THE PERIOD FROM NOVEMBER 1 THROUGH APRIL 1. IF AREAS rivulets. WITHIN THE CONSTRUCTION AREA ARE NOT STABILIZED WITH TEMPORARY OR PERMANENT MEASURES OUTLINED ABOVE BY NOVEMBER 15 THEN THE SITE MUST BE PROTECTED WITH ADDITIONAL STABILIZATION MEASURES THAT ARE SPECIFIC TO WINTER CONDITIONS. <u>COVER</u> Sediment Barrier Sediment build—up to one half the height of the barrier. Undermining of the barrier. Supporting stakes loose, toppled, PLAN VIEW GOOD HOUSEKEEPING AND POLLUTION PREVENTION or unmarked. Breaks in barrier. A. SPILL PREVENTION CONTROLS MUST BE USED TO PREVENT POLLUTANTS FROM BEING DISCHARGED FROM MATERIALS ON SITE, Perimeter Diversion Discharge is to stabilized area. Erosion or breaks in barrier. INCLUDING STORAGE PRACTICES TO MINIMIZE EXPOSURE OF THE MATERIALS TO STORMWATER RUNOFF AND APPROPRIATE SPILL Supporting stakes loose, toppled or unmarked. PREVENTION, CONTAINMENT AND RESPONSE PLANNING AND IMPLEMENTATION. —24 1/8**"**— Sediment build—up and structure blockages. Slow Catch Basin Protection flow/Ponding water. Breaks in fabric or voids in barrier. B. DURING CONSTRUCTION, PETROLEUM PRODUCTS AND OTHER HAZARDOUS MATERIALS WITH THE POTENTIAL TO CONTAMINATE GROUND -24" DIA.-OR SURFACE WATERS MAY NOT BE STORED OR HANDLED IN AREAS OF THE SITE DRAINING TO INFILTRATION AREAS. AN "INFILTRATION Dewatering Filter Breaks in fabric or supporting structure. Slow flow, indicating AREA" IS ANY ARE OF THE SITE THAT BY DESIGN, OR AS A RESULTS OF SOIL AND TOPOGRAPHY, ACCUMULATES RUNOFF THAT high sediment build—up. INFILTRATES IN THE SOIL. DIKES, BERMS, SUMPS AND OTHER FORMS OF TEMPORARY SECONDARY CONTAINMENT THAT PREVENT -3/4**"** DISCHARGE TO GROUNDWATER MAY BE USED TO ISOLATE PORTIONS OF THE SITE FOR THE PURPOSES OF STORAGE AND HANDLING OF Construction Entrance | Sedimentation of roadways. Off—site dust complaints. THESE MATERIALS. —22 3/8**"──►** C. LOCATE ALL MATERIAL STOCKPILES WITH CONSIDERATION FOR STORMWATER DRAINAGE PATTERNS AND INFRASTRUCTURE. D. TAKE ALL REASONABLE MEASURES TO MINIMIZE DUST RESULTING FROM THE PROJECT. OIL MAY NOT BE USED FOR DUST CONTROL. <u>SECTION A - A</u> E. LOCATE ALL LITTER, CONSTRUCTION DEBRIS AND CONSTRUCTION CHEMICALS WITH CONSIDERATION FOR STORMWATER DRAINAGE MIN. WGT. 320 LBS. PATTERNS AND INFRASTRUCTURE. <u>SECTION B — E</u> F. TRENCH OR FOUNDATION DE-WATERING MUST BE SPREAD THROUGH SUFFICIENT NATURAL BUFFERS THAT HAVE CAPACITY TO INFILTRATE THE PUMPED WATER OR SHOULD BE PUMPED TO DESIGNED CONSTRUCTION DEWATERING DEVICES AS DESCRIBED IN THE <u>FRAME</u> MAINE EROSION AND SEDIMENT CONTROL BMPS HANDBOOK. ALL MANHOLE COVERS SHALL BE SOLID AND SHALL HAVE ONE 7/8" DIAMETER G. SEDIMENTS AND SOIL MATERIALS SHOULD BE SWEPT FROM PAVED SURFACES AT THE END OF EACH WORKDAY OR PRIOR TO RAIN EVENTS, WHENEVER POSSIBLE. DRILLED PICK HOLE, LOCATED 8" FROM THE CENTER OF THE COVER. INSPECTION AND MAINTENANCE ALL SANITARY MANHOLE COVERS SHALL HAVE "SEWER" CAST INTO THE COVER. ALL STORMWATER/DRAIN MANHOLE COVERS SHALL HAVE "DRAIN" CAST INTO THE COVER. A. A PERSON WITH KNOWLEDGE OF EROSION AND STORMWATER CONTROLS, INCLUDING THE STANDARDS IN THE MAINE CONSTRUCTION GENERAL PERMIT, THE MAINE EROSION AND SEDIMENT CONTROL BMPS HANDBOOK OR ANY MUNICIPAL REQUIREMENTS MUST CONDUCT THE INSPECTION. THIS PERSON MUST BE IDENTIFIED IN THE INSPECTION LOG. IF ADDITIONAL BMPS OR MODIFICATIONS TO BMPS ARE CAST IRON MANHOLE FRAME AND COVER NECESSARY. THE MODIFICATIONS MUST BE IMPLEMENTED WITH 7 CALENDAR DAYS OR PRIOR TO ANY PRECIPITATION EVENT. ALL MEASURES MUST BE MAINTAINED IN EFFECTIVE OPERATING CONDITION UNTIL AREAS ARE PERMANENTLY STABILIZED. B. AN INSPECTION AND MAINTENANCE LOG MUST BE KEPT BY THE CONTRACTOR, SUMMARIZING THE SCOPE OF THE INSPECTION, DATE, AND MAJOR OBSERVATIONS RELATING TO THE OPERATION OF EROSION AND SEDIMENT CONTROL BMPS, MATERIAL STORAGE AREAS, AND VEHICLE ACCESS POINTS TO THE CONSTRUCTION AREA. THE INSPECTION LOG SHOULD BE DELIVERED TO THE PROPERTY OWNER OR RESPONSIBLE CONTRACTING ENTITY UPON COMPLETION OF THE PROJECT. DEWATERING A. ANY DEWATERING FLOW DIRECTED TO THE CITY'S COMBINED SEWER SYSTEM SHALL BE REVIEWED AND APPROVED BY THE DEPARTMENT OF PUBLIC SERVICES AND/OR THE PORTLAND WATER DISTRICT PRIOR TO COMMENCING DEWATERING ACTIVITIES.

ATE: SEPTEMBER 19, 2010 CALE: AS NOTED HEET: 10 OF 10

DB NO.: 229311

22x34 SHEET