

- 1 1/8" FIRE SERVICE TAP ONTO EXISTING 6" WATER MAIN IN ALLEY AND 6" GATE VALVE TO BE INSTALLED BY CITY FORCES. CONTRACTOR TO EXCAVATE, BACKFILL, PROVIDE THRUST RESTRAINT, TRAFFIC CONTROL, VALVE BOX AND REPAIR OF ALLEY. MECHANICAL THRUST RESTRAINT PER STD. NO. 401.5. VALVE BOX PER STD. NO. 400. INSTALL CORP STOP NEAR TAP FOR CHLORINATION. SEE STD. NO. 412. FULLY MECHANICALLY RESTRAIN ALL PIPE JOINTS AND FITTINGS BETWEEN EXISTING MAIN AND DOUBLE DETECTOR CHECK VALVE ASSEMBLY LOCATED INSIDE VAULT ROOM ON UNDERGROUND PARKING GARAGE LEVEL. SEE ARCHITECTURAL AND MECHANICAL PLANS. VERIFY DEPTH OF EXISTING GAS MAIN PER NOTE 7.
- 2 4" WATER SERVICE WITH 2' METER AND REDUCED PRESSURE BACKFLOW DEVICE. TAP AND 4" GATE VALVE TO BE INSTALLED BY CITY FORCES. CONTRACTOR TO EXCAVATE, BACKFILL, PROVIDE THRUST RESTRAINT, TRAFFIC CONTROL, VALVE BOX AND REPAIR OF ALLEY. MECHANICAL THRUST RESTRAINT PER STD. NO. 401.5. VALVE BOX PER STD. NO. 400. INSTALL CORP STOP NEAR TAP FOR CHLORINATION. SEE STD. NO. 412. LOCATE METER BOX ADJACENT TO ALLEY IN LANDSCAPE STRIP AND CONSTRUCT SIMILAR TO STD. NO. 419. RP BACKFLOW DEVICE TO BE LOCATED ADJACENT TO METER BOX IN LANDSCAPE STRIP IN ABOVE GROUND ENCLOSURE. BY OTHERS. VERIFY LOCATION OF EXISTING GAS AND WATER SERVICES, LOCATE TAP TO AVOID CONFLICT. VERIFY DEPTH OF EXISTING GAS MAIN PER NOTE 7.
- 3 INSTALL NEW NATURAL GAS SERVICE TO BUILDING. COORDINATE SERVICE SIZE, AND LOCATION WITH MECHANICAL PLANS. COORDINATE CONSTRUCTION WITH NW NATURAL AT 503-585-6611 EX. 8142. OBTAIN FRANCHISE PERMIT.
- 4 INSTALL NEW ELECTRICAL SERVICE TO BUILDING FROM EXISTING VAULT IN ALLEY. COORDINATE SERVICE SIZE, LOCATION, AND LAYOUT WITH ELECTRICAL PLANS. COORDINATE CONSTRUCTION WITH SALEM ELECTRIC AT 503-362-3601. OBTAIN FRANCHISE PERMIT.
- 5 PROVIDE FIRE DEPARTMENT CONNECTION AT THE SOUTHWEST CORNER OF THE BUILDING NEAR LOCATION SHOWN. SEE FIRE SPRINKLER SYSTEM PLANS.
- 6 COORDINATE DEPTH OF UTILITY SERVICES AT EDGE OF BUILDING WITH PLUMBING, MECHANICAL, FIRE SPRINKLER SYSTEM, ARCHITECTURAL AND STRUCTURAL PLANS. ROUTE TO AVOID CONFLICT WITH STORM DRAIN PIPE WHERE APPLICABLE.
- 7 STORM DRAIN PIPE RUNS THROUGH THE UNDERGROUND PARKING GARAGE PORTION OF THE BUILDING, AND IS SHOWN ON THIS PLAN FOR SYSTEM CLARITY. SEE PLUMBING PLAN FOR CONNECTION OF RAIN DRAINS, ATTACHMENT OF PIPE TO GARAGE STRUCTURE, CLEANSOUTS INSIDE OF BUILDING, ROUTING OF PIPE TO AVOID STRUCTURAL BUILDING ELEMENTS, AND INSULATION OF PIPE.
- 8 ^{City Forces # 48-3} CONSTRUCT NEW INLET INTO EXISTING STRUCTURE IN ACCORDANCE WITH CITY OF SALEM DEPARTMENT OF PUBLIC WORKS DESIGN STANDARDS AND STANDARD CONSTRUCTION SPECIFICATIONS.
- 9 AT UTILITY INSTALLATIONS IN ALLEY, SAWCUT AND REMOVE PAVEMENT ^{12"} BEYOND EDGE OF TRENCH. REPAIR ALLEY PER STD. DWG. NO. ~~206~~ 309.
- 10 SAWCUT AND REMOVE MINIMUM 1' WIDE STRIP OF ALLEY PAVING ADJACENT TO EAST PROPERTY LINE TO FACILITATE CONSTRUCTION. REPAIR ALLEY PER STD. DWG. NO. 305.
- 11 AUTOMOBILE RAMP FROM ALLEY TO UNDERGROUND PARKING GARAGE. SEE ARCHITECTURAL FOR CONTINUATION OF RAMP GRADING INSIDE BUILDING.
- 12 REPLACE ASPHALT AND CONCRETE CURBING DISTURBED OR REMOVED DURING CONSTRUCTION. REPLACE ASPHALT PER DETAIL ² _{C501} SAWCUT ASPHALT JUST PRIOR TO ASPHALT REPLACEMENT TO PROVIDE CLEAN EDGE. BACKFILL BENEATH ASPHALT AREAS TO BE REPLACED WITH COMPACTED CRUSHED GRANULAR FILL. COORDINATE WITH STRUCTURAL PLANS AND DIVISION 2 SPECIFICATIONS. GRADING OF REPLACEMENT AREA SHALL MATCH EXISTING SUCH THAT DRAINAGE PATTERNS ARE PRESERVED.
- 13 LOCATE NEW CATCH BASIN DIRECTLY NORTH OF EXISTING CATCH BASIN TO BE REMOVED. ADJUST GRADING IN THIS AREA TO DRAIN TO NEW CATCH BASIN LOCATION.
- 14 AREA DRAIN, 12" SQUARE "MINI-BASIN" MODEL GMCB10-1224HB-6 AS MANUFACTURED BY GIBSON STEEL BASINS, (541) 687-8672. SET RIM ELEVATION TO 156.70. SET 4" INVERT OUT ELEVATION AT 155.20 MAXIMUM.
- 15 ABANDON EXISTING DOMESTIC WATER SERVICE AND METER VAULT IN ACCORDANCE WITH CITY OF SALEM DEPARTMENT OF PUBLIC WORKS SPECIFICATIONS.

16. N. 18. - See Sheet F101

to pipe
All material and workmanship in the storm sewer system shall comply with UPC (SRC61) and/or City Design Standards (SRC 70) as approved.

NOTE: ALL STORM DRAIN AND SANITARY SEWER PIPE TO BE PVC ASTM D3034 SDR36 PIPE UNLESS NOTED OTHERWISE. USE ASTM 1785 SCHEDULE 40 PV STORM DRAIN PIPE WHERE WITHIN 5 FEET OF BUILDING AND WHERE COVER IS 12-24 INCHES. USE *or within footprint of building* ANSI CLASS 50 DUCTILE IRON PIPE FOR COVER OF LESS THAN 12 INCHES.

ALL STORM DRAIN AND SANITARY SEWER SLOPES TO BE 0.01"/FT. MINIMUM UNLESS NOTED OTHERWISE.

ALL STORM PIPING PER UPC DESIGN METHOD UNLESS NOTED WITH PWDS FOR DESIGN PER CITY OF SALEM PUBLIC WORKS DESIGN STANDARDS.

1. ALL CONSTRUCTION MATERIALS AND WORKMANSHIP IN PUBLIC RIGHT-OF-WAY TO CONFORM TO CITY OF SALEM DEPARTMENT OF PUBLIC WORKS "DESIGN STANDARDS" AND "STANDARD CONSTRUCTION SPECIFICATIONS".
2. REFERENCES TO STANDARD DRAWING NUMBERS REFER TO CITY OF SALEM STANDARD DRAWINGS.
3. CONTRACTOR SHALL OBTAIN A CONSTRUCTION PERMIT FROM CITY OF SALEM PRIOR TO START OF WORK. CONTRACTOR SHALL CONTACT CONSTRUCTION MANAGEMENT AT 588-6211, (DURING WORKING HOURS) 48 HOURS PRIOR TO START OF ANY WORK.
4. CONTRACTOR SHALL OBTAIN A PERMIT FROM OREGON DEPARTMENT OF TRANSPORTATION FOR ALL WORK WITHIN THE FRONT STREET RIGHT-OF-WAY.
5. ANY CHANGE IN CONSTRUCTION AFTER PLAN APPROVAL MUST BE SUBMITTED IN WRITING AND APPROVED BY CITY PRIOR TO CHANGE, AS PER CITY OF SALEM STANDARD CONSTRUCTION SPECIFICATIONS.
6. CONTRACTOR TO SUPPLY ENGINEER WITH SET OF "AS-BUILT" DRAWINGS, SHOWING ALL LENGTHS, DEPTHS, INVERTS, AND LOCATIONS OF WORK COMPLETED WITHIN THE PUBLIC RIGHT-OF-WAY. CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND SECURING OF ALL SURVEYING SERVICES NECESSARY TO ACCURATELY OBTAIN "AS-BUILT" INFORMATION.
7. CONTRACTOR TO VERIFY LOCATION (LINE AND GRADE) OF ALL EXISTING UTILITIES PRIOR TO START OF WORK. POTHOLE UTILITIES AS NEEDED AND NOTIFY ENGINEER IF CONFLICT EXISTS.
8. COORDINATION WITH UTILITIES.
 - A. THE LOCATION AND DESCRIPTION OF EXISTING UTILITIES SHOWN ARE FROM AVAILABLE RECORDS AND/OR FIELD SURVEYS. THE CITY OR UTILITY COMPANIES DO NOT GUARANTEE THE ACCURACY OR THE COMPLETENESS OF SUCH RECORDS.
 - B. OREGON LAW REQUIRES THE CONTRACTOR TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. COPIES OF THE RULES ARE AVAILABLE BY CALLING THE OREGON UTILITY NOTIFICATION CENTER AT (503) 232-1987.
 - C. THE CONTRACTOR SHALL NOTIFY EACH UNDERGROUND UTILITY AT LEAST 48 BUSINESS-DAY HOURS PRIOR TO EXCAVATING, BORING, OR POTHOLING. ALL UTILITY CROSSINGS SHALL BE POTHOLED AS NECESSARY PRIOR TO EXCAVATING OR BORING TO ALLOW THE CONTRACTOR TO PREVENT GRADE OR ALIGNMENT CONFLICTS.
 - D. PROVISIONS SHALL BE MADE BY THE CONTRACTOR TO KEEP ALL EXISTING UTILITIES IN SERVICE AND PROTECT THEM DURING CONSTRUCTION.
 - E. UTILITIES, OR INTERFERING PORTIONS OF UTILITIES, THAT ARE ABANDONED IN PLACE SHALL BE REMOVED BY THE CONTRACTOR TO THE EXTENT NECESSARY TO ACCOMPLISH THE WORK. THE CONTRACTOR SHALL PLUS THE REMAINING EXPOSED ENDS OF ABANDON UTILITIES.
9. PROVIDE TEMPORARY TRAFFIC CONTROL PER CITY OF SALEM TRAFFIC MANUAL. COORDINATE WITH ODOT FOR TRAFFIC CONTROL WITHIN THE FRONT STREET RIGHT-OF-WAY.
10. FOR ALL UTILITY WORK WITHIN PUBLIC RIGHT-OF-WAY, BEDDING AND BACKFILL SHALL BE PER CITY OF SALEM STANDARD CONSTRUCTION SPECIFICATIONS.
11. WATER SUPPLY LINES TO BE LOCATED A MINIMUM 36" CLEAR BELOW FINISHED GRADE AND 30" CLEAR BELOW FINISHED GRADE AT PAVED AREAS.
12. WATER MAIN HORIZONTAL JOINT RESTRAINTS TO BE INSTALLED PER CITY OF SALEM STANDARD DRAWING NO. 401.5.
13. CONTRACTOR TO PROVIDE FACILITIES FOR TESTING ACCORDING TO SUBSECTION 501.3.10 OF SALEM CONSTRUCTION SPECIFICATIONS. INSTALL A CORPORATION STOP FOR CHLORINATION ACCORDING TO CITY OF SALEM STANDARD DRAWING NO. 412.
14. ALL STRUCTURES TO BE SET TO FINISH GRADE PRIOR TO CONSTRUCTION OF FINAL GROUND SURFACE.
15. MAINTAIN 6" CLEAR BETWEEN WATERLINES AND STORM DRAIN LINES. BACKFILL WITH CRUSHED AGGREGATE.
16. MAINTAIN 18" MINIMUM VERTICAL CLEARANCE BETWEEN SANITARY SEWER PIPE AND DOMESTIC WATER LINE. CENTER ON FULL LENGTH OF PIPE ON CROSSING. DOMESTIC WATERLINE BELOW SANITARY SEWER PIPE TO BE INSTALLED PER OAR 333.
17. CLEANOUTS ON SANITARY SEWER AND STORM DRAIN PIPING TO BE SPACED MAXIMUM OF 100 FEET APART. CLEANOUTS ARE REQUIRED FOR EACH AGGREGATE HORIZONTAL CHANGE IN DIRECTION EXCEEDING 135 DEGREES.
18. CLEANOUT COVER TO BE CAST IRON VALVE BOX AND COVER. INSTALL FLUSH WITH FINISHED GRADE.
19. ALL FIRE SERVICE PIPING AND FITTINGS TO BE ANSI CLASS 50 DUCTILE IRON WATER PIPE.
20. ASSESSMENT OF ALLEY PAVEMENT SECTION WILL BE MADE WHEN UTILITY POTHOLING AND/OR UTILITY TRENCHING WORK IS BEING COMPLETED. SUITABILITY OF AND/OR ADDITION TO ALLEY PAVEMENT SECTION WILL BE DETERMINED AT THAT TIME.

ABBREVIATIONS

<u>MATERIAL</u>	
AC	ASPHALTIC CONCRETE
DC	DUCTILE IRON
PVC	POLYVINYL CHLORIDE
CBS	CONTROLLED DENSITY BACKFILL
CONC.	CONCRETE
CI	CAST IRON
<u>UTILITY</u>	
SS	SANITARY SEWER
SD	STORM DRAIN
JB	JUNCTION BOX
CO	CLEAN OUT
GAS	GAS
W	WATER
E	ELECTRICAL
UPWR	UNDER GROUND POWER
HP PWR	OVER HEAD POWER
T	TELEPHONE
F	FIRE SERVICE
FDC	FIRE DEPARTMENT CONNECTION
FD	OVERHEAD DRAIN
FO	FIBER OPTICS
HO	OVERHEAD
PWDS	PUBLIC WORKS DESIGN STANDARDS
U	UNDER GROUND
FRAN	FRANCHISE UTILITIES

GENERAL	ASSEMBLY
ASSY	BLOW OFF
BO	
CB	CATCH BASIN
C	CENTER LINE
CP	EDGE OF PAVEMENT
ELEV	ELEVATION
(E) OR EX	EXISTING
FF	FINISH FLOOR
FG	FINISH GRADE
HVD	FIRE HAZARDOUS
HC	GATE VALVE
INV	INVERT
M	MAN HOLE
M	METER, MAIN
PP	POWER POLE
	PROPERTY LINE
ROW	RIGHT-OF-WAY
STD	STANDARD
SVC	SERVICE
	TOP OF CURB
BC	BOTTOM OF CURB
TYP	TYPICAL
TC	EDGE OF GRAVEL
CA	CONCRETE APRON
BFV	BUTTERFLY VALVE
	NEW UTILITY EASEMENT
	TOP OF WALL
WT	GUTTER
NU	NEW

PLANNING ACTION
APPROVED SUBJECT TO
DEVELOPMENT REQUIREMENTS
NOTED ON PLANS.
Date and Signature of Planner
L. C. 507

CITY OF SALEM
PUBLIC WORKS DEPARTMENT

approved: ☐ Yes ☐ No
☒ As Noted

By: (LW) Date: 7-18-07

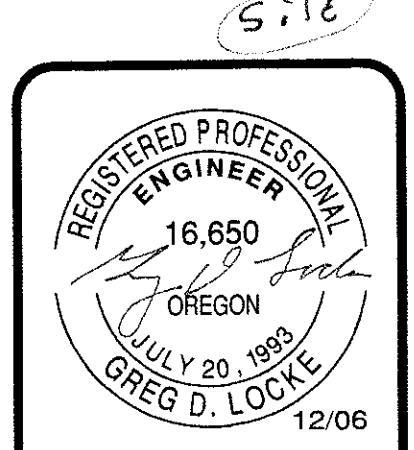
06-119-156-63 712101

PERMIT NO.	DATE ISSUED
ADDRESS: 156 First St NE	
BLDG. DEPT	DATE EXPIRED
APPROVED	
APPROVED AS	
CORRECTED	
12-2006	

RIVERFRONT PARK LLC
RIVERS CONDOS
156 FRONT STREET
SALEM, OREGON
CIVIL SITE PLAN

JOB NO.	06068-1
DATE	19 SEPT 2006
DRAWN BY	CEF
DESIGN BY	CEF
SHEET	C101

City of Salem
Eng. & Safety Co.



YLI **Youngman Locke Engineers**
Civil & Structural
1375 Liberty St., SE, Salem, Oregon 97302 • 503.364.8207 • Fax 503.364.0735 • www.youngmanlocke.com

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-22-2006-2:27pm
\\2006\06068-1 Sloan River Condo\06068-1.dwg

CIVIL UTILITY PLAN KEYED CONSTRUCTION NOTES

- ④ ① 6" FIRE SERVICE TAP ONTO EXISTING 6" WATER MAIN IN ALLEY AND 6" TAPPING VALVE TO BE INSTALLED BY CITY FORCES. CONTRACTOR TO EXCAVATE, BACKFILL, PROVIDE THRUST RESTRAINT, INSTALL CORP STOP, PROVIDE TRAFFIC CONTROL, VALVE BOX AND REPAIR OF ALLEY. MECHANICAL THRUST RESTRAINT PER STD. NO. 401.5. VALVE BOX PER STD. NO. 400. INSTALL CORP STOP NEAR TAP FOR CHLORINATION, SEE STD. NO. 412. FULLY MECHANICALLY RESTRAIN ALL PIPE JOINTS AND FITTINGS BETWEEN EXISTING MAIN AND DOUBLE DETECTOR CHECK VALVE ASSEMBLY LOCATED INSIDE MECHANICAL ROOM ON UNDERGROUND PARKING GARAGE LEVEL. SEE ARCHITECTURAL AND MECHANICAL PLANS. VERIFY DEPTH OF EXISTING GAS MAIN PER NOTE 7. LOCATE POST INDICATOR VALVE IN LANDSCAPE STRIP. SEE KEYED NOTE 18.
- ④ ② 2" WATER SERVICE WITH 2" METER AND 2" DOUBLE CHECK BACKFLOW DEVICE. TAP AND 2" TAPPING VALVE TO BE INSTALLED BY CITY FORCES. CONTRACTOR TO EXCAVATE, BACKFILL, PROVIDE THRUST RESTRAINT, INSTALL CORP STOP, PROVIDE TRAFFIC CONTROL, VALVE BOX AND REPAIR OF ALLEY. VALVE BOX PER STD. NO. 400. INSTALL CORP STOP NEAR TAP FOR CHLORINATION, SEE STD. NO. 412. LOCATE METER BOX ADJACENT TO ALLEY IN LANDSCAPE STRIP AND CONSTRUCT SIMILAR TO STD. NO. 419. BACKFLOW DEVICE IS TO BE LOCATED WITHIN LANDSCAPE BOX ADJACENT TO METER BOX IN LANDSCAPE STRIP. VERIFY LOCATION OF EXISTING GAS AND WATER SERVICES, LOCATE TAP TO AVOID CONFLICT. VERIFY DEPTH OF EXISTING GAS MAIN PER NOTE 7.
- ③ INSTALL NEW NATURAL GAS SERVICE TO BUILDING. COORDINATE SERVICE SIZE, AND LOCATION WITH MECHANICAL PLANS. COORDINATE CONSTRUCTION WITH NW NATURAL AT 503-685-6611 EX. 8142. OBTAIN FRANCHISE PERMIT.
- ④ INSTALL NEW ELECTRICAL SERVICE TO BUILDING FROM EXISTING VAULT IN ALLEY. COORDINATE SERVICE SIZE, LOCATION, AND LAYOUT WITH ELECTRICAL PLANS. COORDINATE CONSTRUCTION WITH SALEM ELECTRIC AT 503-362-3601. OBTAIN FRANCHISE PERMIT.
- ⑤ PROVIDE FIRE DEPARTMENT CONNECTION AT THE SOUTHWEST CORNER OF THE BUILDING NEAR LOCATION SHOWN, SEE FIRE SPRINKLER SYSTEM PLANS.
- ⑥ COORDINATE DEPTH OF UTILITY SERVICES AT EDGE OF BUILDING WITH PLUMBING, MECHANICAL, FIRE SPRINKLER SYSTEM, ARCHITECTURAL AND STRUCTURAL PLANS. ROUTE TO AVOID CONFLICT WITH STORM DRAIN PIPE WHERE APPLICABLE.
- ⑦ STORM DRAIN PIPE RUNS THROUGH THE UNDERGROUND PARKING GARAGE PORTION OF THE BUILDING, AND IS SHOWN ON THIS PLAN FOR SYSTEM CLARITY. SEE PLUMBING PLAN FOR CONNECTION OF RAIN DRAINS, ATTACHMENT OF PIPE TO GARAGE STRUCTURE, CLEANOUTS INSIDE OF BUILDING, ROUTING OF PIPE TO AVOID STRUCTURAL BUILDING ELEMENTS, AND INSULATION OF PIPE.
- ⑧ CONSTRUCT NEW INLET INTO EXISTING STRUCTURE IN ACCORDANCE WITH CITY OF SALEM DEPARTMENT OF PUBLIC WORKS DESIGN STANDARDS AND STANDARD CONSTRUCTION SPECIFICATIONS.
- ⑨ AT UTILITY INSTALLATIONS IN ALLEY, SAWCUT AND REMOVE PAVEMENT 12" BEYOND EDGE OF TRENCH. REPAIR ALLEY PER STD. DWG. NO. 308.
- ⑩ SAWCUT AND REMOVE MINIMUM 1" WIDE STRIP OF ALLEY PAVING ADJACENT TO EAST PROPERTY LINE TO FACILITATE CONSTRUCTION. REPAIR ALLEY PER STD. DWG. NO. 305.
- ⑪ AUTOMOBILE RAMP FROM ALLEY TO UNDERGROUND PARKING GARAGE. SEE ARCHITECTURAL FOR CONTINUATION OF RAMP GRADING INSIDE BUILDING.
- ⑫ REPLACE ASPHALT AND CONCRETE CURBING DISTURBED OR REMOVED DURING CONSTRUCTION. REPLACE ASPHALT PER DETAIL ② SAWCUT ASPHALT JUST PRIOR TO ASPHALT REPLACEMENT TO PROVIDE CLEAN EDGE. BACKFILL BENEATH ASPHALT AREAS TO BE REPLACED WITH COMPACTED CRUSHED AGGREGATE. COORDINATE WITH STRUCTURAL PLANS AND DIVISION 2 SPECIFICATIONS. GRADING OF REPLACEMENT AREA SHALL MATCH EXISTING SUCH THAT DRAINAGE PATTERNS ARE PRESERVED.
- ⑬ LOCATE NEW CATCH BASIN DIRECTLY NORTH OF EXISTING CATCH BASIN TO BE REMOVED. ADJUST GRADING IN THIS AREA TO DRAIN TO NEW CATCH BASIN LOCATION.
- ⑭ AREA DRAIN, 12" SQUARE "MINI-BASIN" MODEL GMB10-1224HB-6 AS MANUFACTURED BY GIBSON STEEL BASINS, (541) 687-8672. SET RIM ELEVATION TO 156.70. SET 4" INVERT OUT ELEVATION AT 155.20 MAXIMUM.
- ⑮ ABANDON EXISTING DOMESTIC WATER SERVICE AND METER VAULT IN ACCORDANCE WITH CITY OF SALEM DEPARTMENT OF PUBLIC WORKS SPECIFICATIONS.
- ⑯ PROVIDE CONSTRUCTION RIGHT OF ENTRY AND/OR EASEMENT FROM OWNER OF PARCEL TO THE NORTH TO CONSTRUCT REPLACEMENT CATCH BASIN AND STORM LINE.
- ⑰ INSTALL 8" GATE VALVE ON FIRE SERVICE LINE DIRECTLY ADJACENT TO THE MECHANICAL ROOM WALL.
- ④ ⑱ 6" POST INDICATOR VALVE, SEE KEYED NOTE 1.

NOTE: ALL STORM DRAIN AND SANITARY SEWER PIPE TO BE PVC ASTM D3034 SDR35 PIPE UNLESS NOTED OTHERWISE. USE ASTM 1785 SCHEDULE 40 PVC STORM DRAIN PIPE WHERE WITHIN 5 FEET OF BUILDING, WITHIN BUILDING FOOTPRINT, AND WHERE COVER IS 12-24 INCHES. USE ANSI CLASS 50 DUCTILE IRON PIPE FOR COVER OF LESS THAN 12 INCHES.

ALL STORM DRAIN AND SANITARY SEWER SLOPES TO BE 0.01'/FT. MINIMUM UNLESS NOTED OTHERWISE.

ALL STORM PIPING PER UPC DESIGN METHOD UNLESS NOTED WITH PWDS FOR DESIGN PER CITY OF SALEM PUBLIC WORKS DESIGN STANDARDS.

BENCHMARK INFORMATION
CITY OF SALEM BENCHMARK NO. 1016
ELEVATION 157.67

DESCRIPTION:
BRASS DISK IN CONCRETE SIDEWALK,
STATE ST. AND COMMERCIAL ST. N.E.
NORTHWEST CORNER OF INTERSECTION,
2.95' NORTH OF NORTH CURB STATE ST.,
2.75' WEST OF WEST CURB COMMERCIAL ST.

STREET

FRONT

CITY CREWS TO TAP EXISTING SD MH INV. 150.73. CONTRACTOR SHALL PROVIDE ALL TRENCHING AND SHORING AND COORDINATE WITH CITY FOR TAP.

CIVIL SITE PLAN

SCALE: 1"=10'-0"

REV.	DATE	DESCRIPTION
①	22 NOV 2006	REVISIONS PER CITY OF SALEM REVIEW
②	3 JAN 2007	REVISIONS PER CITY OF SALEM REVIEW
③	27 JUNE 2007	REVISIONS PER CITY OF SALEM REVIEW
④	11 JULY 2007	REVISIONS PER CITY OF SALEM REVIEW

GENERAL NOTES:

1. ALL CONSTRUCTION MATERIALS AND WORKMANSHIP IN PUBLIC RIGHT-OF-WAY TO CONFORM TO CITY OF SALEM DEPARTMENT OF PUBLIC WORKS "DESIGN STANDARDS" AND "STANDARD CONSTRUCTION SPECIFICATIONS".
2. REFERENCES TO STANDARD DRAWING NUMBERS REFER TO CITY OF SALEM STANDARD DRAWINGS.
3. CONTRACTOR SHALL OBTAIN A CONSTRUCTION PERMIT FROM CITY OF SALEM PRIOR TO START OF WORK. CONTRACTOR SHALL CONTACT CONSTRUCTION MANAGEMENT AT 588-6211, (DURING WORKING HOURS) 48 HOURS PRIOR TO START OF ANY WORK.
4. CONTRACTOR SHALL OBTAIN A PERMIT FROM OREGON DEPARTMENT OF TRANSPORTATION FOR ALL WORK WITHIN THE FRONT STREET RIGHT-OF-WAY.
5. ANY CHANGE IN CONSTRUCTION AFTER PLAN APPROVAL MUST BE SUBMITTED IN WRITING AND APPROVED BY CITY PRIOR TO CHANGE, AS PER CITY OF SALEM STANDARD CONSTRUCTION SPECIFICATIONS.
6. CONTRACTOR TO SUPPLY ENGINEER WITH SET OF "AS-BUILT" DRAWINGS, SHOWING ALL LENGTHS, DEPTHS, INVERTS, AND LOCATIONS OF WORK COMPLETED WITHIN THE PUBLIC RIGHT-OF-WAY. CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND SECURING OF ALL SURVEYING SERVICES NECESSARY TO ACCURATELY OBTAIN "AS-BUILT" INFORMATION.
7. CONTRACTOR TO VERIFY LOCATION (LINE AND GRADE) OF ALL EXISTING UTILITIES PRIOR TO START OF WORK. POTHOLE UTILITIES AS NEEDED AND NOTIFY ENGINEER IF CONFLICT EXISTS.
8. COORDINATION WITH UTILITIES.
 - A. THE LOCATION AND DESCRIPTION OF EXISTING UTILITIES SHOWN ARE FROM AVAILABLE RECORDS AND/OR FIELD SURVEYS. THE CITY OR UTILITY COMPANIES DO NOT GUARANTEE THE ACCURACY OR THE COMPLETENESS OF SUCH RECORDS.
 - B. OREGON LAW REQUIRES THE CONTRACTOR TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. COPIES OF THE RULES ARE AVAILABLE BY CALLING THE OREGON UTILITY NOTIFICATION CENTER AT (503) 232-1987.
 - C. THE CONTRACTOR SHALL NOTIFY EACH UNDERGROUND UTILITY AT LEAST 48 BUSINESS-DAY HOURS PRIOR TO EXCAVATING, BORING, OR POT-HOLING. ALL UTILITY CROSSINGS SHALL BE POT-HOLED AS NECESSARY PRIOR TO EXCAVATING OR BORING TO ALLOW THE CONTRACTOR TO PREVENT GRADE OR ALIGNMENT CONFLICTS.
 - D. PROVISIONS SHALL BE MADE BY THE CONTRACTOR TO KEEP ALL EXISTING UTILITIES IN SERVICE AND PROTECT THEM DURING CONSTRUCTION.
 - E. UTILITIES, OR INTERFERING PORTIONS OF UTILITIES, THAT ARE ABANDONED IN PLACE SHALL BE REMOVED BY THE CONTRACTOR TO THE EXTENT NECESSARY TO ACCOMPLISH THE WORK. THE CONTRACTOR SHALL PLUG THE REMAINING EXPOSED ENDS OF ABANDON UTILITIES.
9. PROVIDE TEMPORARY TRAFFIC CONTROL PER CITY OF SALEM TRAFFIC MANUAL. COORDINATE WITH ODOT FOR TRAFFIC CONTROL WITHIN THE FRONT STREET RIGHT-OF-WAY.
10. FOR ALL UTILITY WORK WITHIN PUBLIC RIGHT-OF-WAY, BEDDING AND BACKFILL SHALL BE PER CITY OF SALEM STANDARD CONSTRUCTION SPECIFICATIONS.
11. WATER SUPPLY LINES TO BE LOCATED A MINIMUM 36" CLEAR BELOW FINISHED GRADE AND 30" CLEAR BELOW FINISHED GRADE AT PAVED AREAS.
12. WATER MAIN HORIZONTAL JOINT RESTRAINTS TO BE INSTALLED PER CITY OF SALEM STANDARD DRAWING NO. 401.5.
13. CONTRACTOR TO PROVIDE FACILITIES FOR TESTING ACCORDING TO SUBSECTION 501.3.10 OF SALEM CONSTRUCTION SPECIFICATIONS. INSTALL A CORPORATION STOP FOR CHLORINATION ACCORDING TO CITY OF SALEM STANDARD DRAWING NO. 412.
14. ALL STRUCTURES TO BE SET TO FINISH GRADE PRIOR TO CONSTRUCTION OF FINAL GROUND SURFACE.
15. MAINTAIN 6" CLEAR BETWEEN WATERLINES AND STORM DRAIN LINES. BACKFILL WITH CRUSHED AGGREGATE.
16. MAINTAIN 18" MINIMUM VERTICAL CLEARANCE BETWEEN SANITARY SEWER PIPE AND DOMESTIC WATER LINE. CENTER ONE FULL LENGTH OF PIPE ON CROSSING. DOMESTIC WATERLINE BELOW SANITARY SEWER PIPE TO BE INSTALLED PER OAR 333.
17. CLEANOUTS ON SANITARY SEWER AND STORM DRAIN PIPING TO BE SPACED MAXIMUM OF 100 FEET APART. CLEANOUTS ARE REQUIRED FOR EACH AGGREGATE HORIZONTAL CHANGE IN DIRECTION EXCEEDING 135 DEGREES.
18. CLEANOUT COVER TO BE CAST IRON VALVE BOX AND COVER. INSTALL FLUSH WITH FINISHED GRADE.
19. ALL FIRE SERVICE PIPING AND FITTINGS TO BE ANSI CLASS 50 DUCTILE IRON WATER PIPE.
20. ASSESSMENT OF ALLEY PAVEMENT SECTION WILL BE MADE WHEN UTILITY POT-HOLING AND/OR UTILITY TRENCHING WORK IS PERFORMED. SUITABILITY OF AND/OR ADDITION TO ALLEY PAVEMENT SECTION WILL BE DETERMINED AT THAT TIME.
21. PROVIDE 10' WIDE UTILITY EASEMENT TO THE CITY OF SALEM CENTERED ON THE FIRE SERVICE PIPE AND RUNNING FROM THE ALLEY TO THE EAST FACE OF THE MECHANICAL ROOM. ALSO PROVIDE ADDITIONAL WIDTH ADJACENT TO THE RIGHT OF WAY TO INCLUDE ALL PORTIONS OF THE DOMESTIC WATER SERVICE UPSTREAM OF THE DOMESTIC BACKFLOW DEVICE.

LEGEND

PROPOSED	EXISTING	DESCRIPTION
—	—	3" W PROPOSED UTILITY LINE
—	—	8" SD EXISTING UTILITY LINE
—	—	FLOW DIRECTION
—	—	PIPE DIAMETER
—	—	UTILITY TYPE
—	—	LENGTH
—	—	PROPERTY LINE
—	—	CENTER LINE
—	—	EXISTING CONTOUR LINE
—	—	NEW BUILDING SEE ARCHITECTURAL
—	—	EXISTING BUILDING
—	—	CONCRETE CURB
—	—	EXISTING FENCE
—	—	PROPOSED SIDEWALK
—	—	WATER METER
—	—	CATCH BASIN
—	—	SANITARY SEWER MANHOLE
—	—	STORM DRAIN MANHOLE
—	—	JUNCTION BOX
—	—	FIRE HYDRANT
—	—	PRECAST VAULT WITH CHECK VALVE AND F.D.C.
—	—	GATE VALVE
—	—	CLEAN OUT
—	—	UTILITY POLE
—	—	TELEPHONE PEDESTAL
—	—	FINISHED GRADE
—	—	EXISTING GRADE
—	—	SLOPE ARROW FROM HIGH TO LOW
—	—	LANDSCAPING BY OTHERS
—	—	PROPOSED ASPHALT PAVING
—	—	PROPOSED CONCRETE PAVING

ABBREVIATIONS

MATERIAL	UTILITY
AC	ASPHALTIC CONCRETE
DI	DUCTILE IRON
PVC	POLYVINYL CHLORIDE
CDB	CONTROLLED DENSITY BACKFILL
CONC	CONCRETE
CI	CAST IRON
SS	SANITARY SEWER
SD	STORM DRAIN
JB	JUNCTION BOX
CO	CLEAN OUT
GAS	GAS
W	WATER
E	ELECTRICAL
UPWR	UNDER GROUND POWER
OH PWR	OVER HEAD POWER
T	TELEPHONE
FS	FIRE SERVICE
FDC	FIRE DEPARTMENT CONNECTION
FD	FOOTING DRAIN
FO	FIBER OPTICS
OH	OVERHEAD
PWDS	PUBLIC WORKS DESIGN STANDARDS
UPC	UNIFORM PLUMBING CODE
FRAN	FRANCHISE UTILITIES
GENERAL	GENERAL
ASSY	ASSEMBLY
BO	BLOW OFF
CB	CATCH BASIN
CL	CENTER LINE
EP	EDGE OF PAVEMENT
ELEV	ELEVATION
(E) OR EX	EXISTING
FF	FINISH FLOOR
HYD	FIRE HYDRANT
GV	GATE VALVE
INV	INVERT
MH	MANHOLE
M	METER, MAIN
PP	POWER POLE
P	PROPERTY LINE
R/W	RIGHT-OF-WAY
STD	STANDARD
SVC	SERVICE
TC	TOP OF CURB
BC	BOTTOM OF CURB
TYP	TYPICAL
EG	EDGE OF GRAVEL
CA	CONCRETE APRON
BPV	BUTTERFLY VALVE
PUE	PUBLIC UTILITY EASEMENT
TW	TOP OF WALL
GUT	GUTTER
(N)	NEW

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RIVERFRONT PARK LLC
RIVERS CONDOS
156 FRONT STREET
SALEM, OREGON

JOB NO. 06068-1
DATE 19 SEPT 2006
DRAWN BY CEF
DESIGN BY CEF
SHEET F101

CIVIL UTILITY PLAN KEYED CONSTRUCTION NOTES

- ④ ① 6" FIRE SERVICE TAP ONTO EXISTING 6" WATER MAIN IN ALLEY AND 6" TAPPING VALVE TO BE INSTALLED BY CITY FORCES. CONTRACTOR TO EXCAVATE, BACKFILL, PROVIDE THRUST RESTRAINT, INSTALL CORP STOP, PROVIDE TRAFFIC CONTROL, VALVE BOX AND REPAIR OF ALLEY, MECHANICAL THRUST RESTRAINT PER STD. NO. 401.5. VALVE BOX PER STD. NO. 400. INSTALL CORP STOP NEAR TAP FOR CHLORINATION, SEE STD. NO. 412. FULLY MECHANICALLY RESTRAIN ALL PIPE, JOINTS AND FITTINGS. BETWEEN EXISTING MAIN AND DOUBLE DETECTOR CHECK VALVE ASSEMBLY LOCATED INSIDE MECHANICAL ROOM ON UNDERGROUND PARKING GARAGE LEVEL. SEE ARCHITECTURAL AND MECHANICAL PLANS. VERIFY DEPTH OF EXISTING GAS MAIN PER NOTE 7. LOCATE POST INDICATOR VALVE IN LANDSCAPE STRIP, SEE KEYED NOTE 18.
- ④ ② 2" WATER SERVICE WITH 2" METER AND 2" DOUBLE CHECK BACKFLOW DEVICE. TAP AND 2" TAPPING VALVE TO BE INSTALLED BY CITY FORCES. CONTRACTOR TO EXCAVATE, BACKFILL, PROVIDE THRUST RESTRAINT, INSTALL CORP STOP, PROVIDE TRAFFIC CONTROL, VALVE BOX AND REPAIR OF ALLEY, VALVE BOX PER STD. NO. 400. INSTALL CORP STOP NEAR TAP FOR CHLORINATION, SEE STD. NO. 412. LOCATE METER BOX ADJACENT TO ALLEY IN LANDSCAPE STRIP AND CONSTRUCT SIMILAR TO STD. NO. 418. BACKFLOW DEVICE IS TO BE LOCATED WITHIN LANDSCAPE BOX ADJACENT TO METER BOX IN LANDSCAPE STRIP. VERIFY LOCATION OF EXISTING GAS AND WATER SERVICES. LOCATE TAP TO AVOID CONFLICT. VERIFY DEPTH OF EXISTING GAS MAIN PER NOTE 7.
- ③ INSTALL NEW NATURAL GAS SERVICE TO BUILDING. COORDINATE SERVICE SIZE, AND LOCATION WITH MECHANICAL PLANS. COORDINATE CONSTRUCTION WITH NW NATURAL AT 503-585-8611 EX. 8142. OBTAIN FRANCHISE PERMIT.
- ④ INSTALL NEW ELECTRICAL SERVICE TO BUILDING FROM EXISTING VAULT IN ALLEY. COORDINATE SERVICE SIZE, LOCATION, AND LAYOUT WITH ELECTRICAL PLANS. COORDINATE CONSTRUCTION WITH SALEM ELECTRIC AT 503-362-3601. OBTAIN FRANCHISE PERMIT.
- ⑤ PROVIDE FIRE DEPARTMENT CONNECTION AT THE SOUTHWEST CORNER OF THE BUILDING NEAR LOCATION SHOWN, SEE FIRE SPRINKLER SYSTEM PLANS.
- ⑥ COORDINATE DEPTH OF UTILITY SERVICES AT EDGE OF BUILDING WITH PLUMBING, MECHANICAL, FIRE SPRINKLER SYSTEM, ARCHITECTURAL AND STRUCTURAL PLANS. ROUTE TO AVOID CONFLICT WITH STORM DRAIN PIPE WHERE APPLICABLE.
- ⑦ STORM DRAIN PIPE RUNS THROUGH THE UNDERGROUND PARKING GARAGE PORTION OF THE BUILDING, AND IS SHOWN ON THIS PLAN FOR SYSTEM CLARITY. SEE PLUMBING PLAN FOR CONNECTION OF RAIN DRAINS, ATTACHMENT OF PIPE TO GARAGE STRUCTURE, CLEANOUTS INSIDE OF BUILDING, ROUTING OF PIPE TO AVOID STRUCTURAL BUILDING ELEMENTS, AND INSULATION OF PIPE.
- ⑧ CONSTRUCT NEW INLET INTO EXISTING STRUCTURE IN ACCORDANCE WITH CITY OF SALEM DEPARTMENT OF PUBLIC WORKS DESIGN STANDARDS AND STANDARD CONSTRUCTION SPECIFICATIONS.
- ⑨ AT UTILITY INSTALLATIONS IN ALLEY, SAWCUT AND REMOVE PAVEMENT 12" BEYOND EDGE OF TRENCH. REPAIR ALLEY PER STD. DWG. NO. 309.
- ⑩ SAWCUT AND REMOVE MINIMUM 1' WIDE STRIP OF ALLEY PAVING ADJACENT TO EAST PROPERTY LINE TO FACILITATE CONSTRUCTION. REPAIR ALLEY PER STD. DWG. NO. 305.
- ⑪ AUTOMOBILE RAMP FROM ALLEY TO UNDERGROUND PARKING GARAGE. SEE ARCHITECTURAL FOR CONTINUATION OF RAMP GRADING INSIDE BUILDING.
- ⑫ REPLACE ASPHALT AND CONCRETE CURBING DISTURBED OR REMOVED DURING CONSTRUCTION. REPLACE ASPHALT PER DETAIL. CLEAN EDGE. BACKFILL BENEATH ASPHALT AREAS TO BE REPLACED WITH COMPACTED CRUSHED AGGREGATE. COORDINATE REPLACEMENT AREA SHALL MATCH EXISTING SUCH THAT DRAINAGE PATTERNS ARE PRESERVED.
- ⑬ LOCATE NEW CATCH BASIN DIRECTLY NORTH OF EXISTING CATCH BASIN TO BE REMOVED. ADJUST GRADING IN THIS AREA TO DRAIN TO NEW CATCH BASIN LOCATION.
- ⑭ AREA DRAIN, 12" SQUARE "MINI-BASIN" MODEL GMB10-1224HB-8 AS MANUFACTURED BY GIBSON STEEL BASINS, (541) 687-8672. SET RIM ELEVATION TO 156.70. SET 4" INVERT OUT ELEVATION AT 155.20 MAXIMUM.
- ⑮ ABANDON EXISTING DOMESTIC WATER SERVICE AND METER VAULT IN ACCORDANCE WITH CITY OF SALEM DEPARTMENT OF PUBLIC WORKS SPECIFICATIONS.
- ⑯ PROVIDE CONSTRUCTION RIGHT OF ENTRY AND/OR EASEMENT FROM OWNER OF PARCEL TO THE NORTH TO CONSTRUCT REPLACEMENT CATCH BASIN AND STORM LINE.
- ⑰ INSTALL 6" GATE VALVE ON FIRE SERVICE LINE DIRECTLY ADJACENT TO THE MECHANICAL ROOM WALL
- ④ ⑧ 6" POST INDICATOR VALVE, SEE KEYED NOTE 1.

NOTE: ALL STORM DRAIN AND SANITARY SEWER PIPE TO BE PVC ASTM D3034 SDR35 PIPE UNLESS NOTED OTHERWISE. USE ASTM 1785 SCHEDULE 40 PVC STORM DRAIN PIPE WHERE WITHIN 5 FEET OF BUILDING, WITHIN BUILDING FOOTPRINT, AND WHERE COVER IS 12-24 INCHES. USE ANSI CLASS 50 DUCTILE IRON PIPE FOR COVER OF LESS THAN 12 INCHES.

ALL STORM DRAIN AND SANITARY SEWER SLOPES TO BE 0.01'/FT. MINIMUM UNLESS NOTED OTHERWISE.

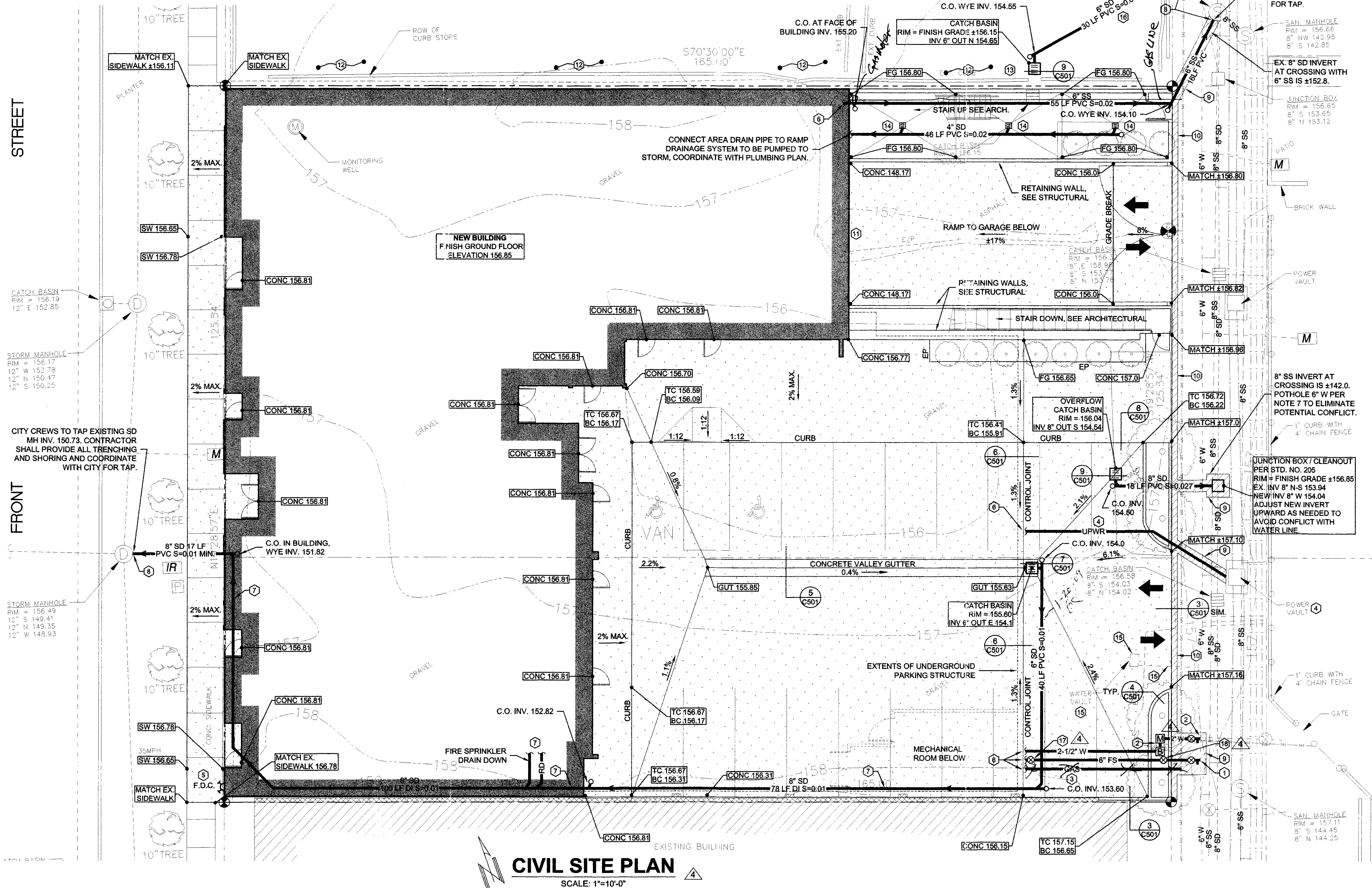
ALL STORM PIPING PER UPC DESIGN METHOD UNLESS NOTED WITH PWDS FOR DESIGN PER CITY OF SALEM PUBLIC WORKS DESIGN STANDARDS.

BENCHMARK INFORMATION
CITY OF SALEM BENCHMARK NO. 1016
ELEVATION 157.67

DESCRIPTION:
BRASS DISK IN CONCRETE SIDEWALK,
STATE ST. AND COMMERCIAL ST. N.E.
NORTHWEST CORNER OF INTERSECTION,
2.95' NORTH OF NORTH CURB STATE ST.,
2.75' WEST OF WEST CURB COMMERCIAL ST.

STREET

FRONT

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CIVIL SITE PLAN

SCALE: 1"=10'-0"

GENERAL NOTES:

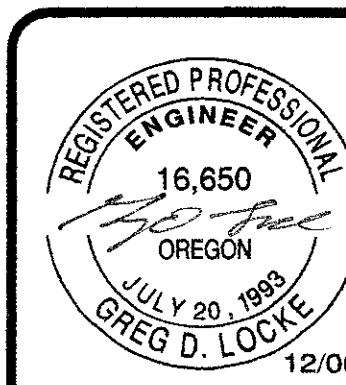
- ALL CONSTRUCTION MATERIALS AND WORKMANSHIP IN PUBLIC RIGHT-OF-WAY TO CONFORM TO CITY OF SALEM DEPARTMENT OF PUBLIC WORKS "DESIGN STANDARDS" AND "STANDARD CONSTRUCTION SPECIFICATIONS".
- REFERENCES TO STANDARD DRAWING NUMBERS REFER TO CITY OF SALEM STANDARD DRAWINGS.
- CONTRACTOR SHALL OBTAIN A CONSTRUCTION PERMIT FROM CITY OF SALEM PRIOR TO START OF WORK. CONTRACTOR SHALL CONTACT CONSTRUCTION MANAGEMENT AT 588-6211, (DURING WORKING HOURS) 48 HOURS PRIOR TO START OF ANY WORK.
- CONTRACTOR SHALL OBTAIN A PERMIT FROM OREGON DEPARTMENT OF TRANSPORTATION FOR ALL WORK WITHIN THE FRONT STREET RIGHT-OF-WAY.
- ANY CHANGE IN CONSTRUCTION AFTER PLAN APPROVAL MUST BE SUBMITTED IN WRITING AND APPROVED BY CITY PRIOR TO CHANGE, AS PER CITY OF SALEM STANDARD CONSTRUCTION SPECIFICATIONS.
- CONTRACTOR TO SUPPLY ENGINEER WITH SET OF "AS-BUILT" DRAWINGS, SHOWING ALL LENGTHS, DEPTHS, INVERTS, AND LOCATIONS OF WORK COMPLETED WITHIN THE PUBLIC RIGHT-OF-WAY. CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND SECURING OF ALL SURVEYING SERVICES NECESSARY TO ACCURATELY OBTAIN "AS-BUILT" INFORMATION.
- CONTRACTOR TO VERIFY LOCATION (LINE AND GRADE) OF ALL EXISTING UTILITIES PRIOR TO START OF WORK. POTHOLE UTILITIES AS NEEDED AND NOTIFY ENGINEER IF CONFLICT EXISTS.
- COORDINATION WITH UTILITIES.
 - THE LOCATION AND DESCRIPTION OF EXISTING UTILITIES SHOWN ARE FROM AVAILABLE RECORDS AND/OR FIELD SURVEYS. THE CITY OR UTILITY COMPANIES DO NOT GUARANTEE THE ACCURACY OR THE COMPLETENESS OF SUCH RECORDS.
 - OREGON LAW REQUIRES THE CONTRACTOR TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 852-001-0010 THROUGH OAR 852-001-0090. COPIES OF THE RULES ARE AVAILABLE BY CALLING THE OREGON UTILITY NOTIFICATION CENTER AT (503) 232-1987.
 - THE CONTRACTOR SHALL NOTIFY EACH UNDERGROUND UTILITY AT LEAST 48 BUSINESS-DAY HOURS PRIOR TO EXCAVATING, BORING, OR POTHOLING. ALL UTILITY CROSSINGS SHALL BE POTHOLED AS NECESSARY PRIOR TO EXCAVATING OR BORING TO ALLOW THE CONTRACTOR TO PREVENT GRADE OR ALIGNMENT CONFLICTS.
 - PRECAUTIONS SHALL BE MADE BY THE CONTRACTOR TO KEEP ALL EXISTING UTILITIES IN SERVICE AND PROTECT THEM DURING CONSTRUCTION.
 - UTILITIES, OR INTERFERING PORTIONS OF UTILITIES, THAT ARE ABANDONED IN PLACE SHALL BE REMOVED BY THE CONTRACTOR TO THE EXTENT NECESSARY TO ACCOMPLISH THE WORK. THE CONTRACTOR SHALL PLUG THE REMAINING EXPOSED ENDS OF ABANDON UTILITIES.
- PROVIDE TEMPORARY TRAFFIC CONTROL PER CITY OF SALEM TRAFFIC MANUAL. COORDINATE WITH ODOT FOR TRAFFIC CONTROL WITHIN THE FRONT STREET RIGHT-OF-WAY.
- FOR ALL UTILITY WORK WITHIN PUBLIC RIGHT-OF-WAY, BEDDING AND BACKFILL SHALL BE PER CITY OF SALEM STANDARD CONSTRUCTION SPECIFICATIONS.
- WATER SUPPLY LINES TO BE LOCATED A MINIMUM 36" CLEAR BELOW FINISHED GRADE AND 30" CLEAR BELOW FINISHED GRADE AT PAVED AREAS.
- WATER MAIN HORIZONTAL JOINT RESTRAINTS TO BE INSTALLED PER CITY OF SALEM STANDARD DRAWING NO. 401.5.
- CONTRACTOR TO PROVIDE FACILITIES FOR TESTING ACCORDING TO SUBSECTION 501.3.10 OF SALEM CONSTRUCTION SPECIFICATIONS. INSTALL A CORPORATION STOP FOR CHLORINATION ACCORDING TO CITY OF SALEM STANDARD DRAWING NO. 412.
- ALL STRUCTURES TO BE SET TO FINISH GRADE PRIOR TO CONSTRUCTION OF FINAL GROUND SURFACE.
- MAINTAIN 6" CLEAR BETWEEN WATERLINES AND STORM DRAIN LINES. BACKFILL WITH CRUSHED AGGREGATE.
- MAINTAIN 18" MINIMUM VERTICAL CLEARANCE BETWEEN SANITARY SEWER PIPE AND DOMESTIC WATER LINE. CENTER ONE FULL LENGTH OF PIPE ON CROSSING. DOMESTIC WATERLINE BELOW SANITARY SEWER PIPE TO BE INSTALLED PER OAR 333.
- CLEANOUTS ON SANITARY SEWER AND STORM DRAIN PIPING TO BE SPACED MAXIMUM OF 100 FEET APART. CLEANOUTS ARE REQUIRED FOR EACH AGGREGATE HORIZONTAL CHANGE IN DIRECTION EXCEEDING 135 DEGREES.
- CLEANOUT COVER TO BE CAST IRON VALVE BOX AND COVER. INSTALL FLUSH WITH FINISHED GRADE.
- ALL FIRE SERVICE PIPING AND FITTINGS TO BE ANSI CLASS 50 DUCTILE IRON WATER PIPE.
- ASSESSMENT OF ALLEY PAVEMENT SECTION WILL BE MADE WHEN UTILITY POTHOLING AND/OR UTILITY TRENCHING WORK IS PERFORMED. SUITABILITY OF AND/OR ADDITION TO ALLEY PAVEMENT SECTION WILL BE DETERMINED AT THAT TIME.
- PROVIDE 10' WIDE UTILITY EASEMENT TO THE CITY OF SALEM CENTERED ON THE FIRE SERVICE PIPE AND RUNNING FROM THE ALLEY TO THE EAST FACE OF THE MECHANICAL ROOM. ALSO PROVIDE ADDITIONAL WIDTH ADJACENT TO THE RIGHT OF WAY TO INCLUDE ALL PORTIONS OF THE DOMESTIC WATER SERVICE UPSTREAM OF THE DOMESTIC BACKFLOW DEVICE.

LEGEND

PROPOSED	EXISTING	WATER METER
3" W	PROPOSED UTILITY LINE	
8" SD	EXISTING UTILITY LINE	
	FLOW DIRECTION	
	PIPE DIAMETER	
	UTILITY TYPE	
	LENGTH	
	PROPERTY LINE	
	CENTER LINE	
	EXISTING CONTOUR LINE	
	NEW BUILDING SEE ARCHITECTURAL	
	EXISTING BUILDING	
	CONCRETE CURB	
	EXISTING FENCE	
	PROPOSED SIDEWALK	
	EXISTING SIDEWALK	
	WATER METER	
	CATCH BASIN	
	SANITARY SEWER MANHOLE	
	STORM DRAIN MANHOLE	
	JUNCTION BOX	
	FIRE HYDRANT	
	PRECAST VAULT WITH CHECK VALVE AND F.D.C.	
	GATE VALVE	
	CLEAN OUT	
	UTILITY POLE	
	TELEPHONE PEDESTAL	
	FINISHED GRADE	
	EXISTING GRADE	
	SLOPE ARROW FROM HIGH TO LOW	
	LANDSCAPING BY OTHERS	
	PROPOSED ASPHALT PAVING	
	PROPOSED CONCRETE PAVING	

ABBREVIATIONS

MATERIAL	UTILITY
AC	ASPHALTIC CONCRETE
DI	DUCTILE IRON
PVC	POLYVINYL CHLORIDE
CDB	CONTROLLED DENSITY BACKFILL
CONC	CONCRETE
CI	CAST IRON
SS	SANITARY SEWER
SD	STORM DRAIN
JB	JUNCTION BOX
CO	CLEAN OUT
GAS	GAS
W	WATER
E	ELECTRICAL
UPWR	UNDER GROUND POWER
OH PWR	OVER HEAD POWER
T	TELEPHONE
FS	FIRE SERVICE
POC	FIRE DEPARTMENT CONNECTION
FD	FOOTING DRAIN
FO	FIBER OPTICS
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PWDS	PUBLIC WORKS DESIGN STANDARDS
UPC	UNIFORM PLUMBING CODE
FRAN	FRANCHISE UTILITIES
GENERAL	
ASBY	ASSEMBLY
BO	BLOW OFF
CB	CATCH BASIN
CL	CENTER LINE
EP	EDGE OF PAVEMENT
ELEV	ELEVATION
(E) OR EX	EXISTING
FF	FINISH FLOOR
FG	FINISH GRADE
HYD	FIRE HYDRANT
GV	GATE VALVE
INV	INVERT
MH	MAN HOLE
M	METER MAIN
PP	POWER POLE
ROW	PROPERTY LINE
STD	STANDARD
SVC	SERVICE
TOP OF CURB	TOP OF CURB
BC	BOTTOM OF CURB
TYP	TYPICAL
EG	EDGE OF GRAVEL
CA	CONCRETE APRON
BFV	BUTTERFLY VALVE
PUE	PUBLIC UTILITY EASEMENT
TW	TOP OF WALL
GUT	GUTTER
(N)	NEW



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