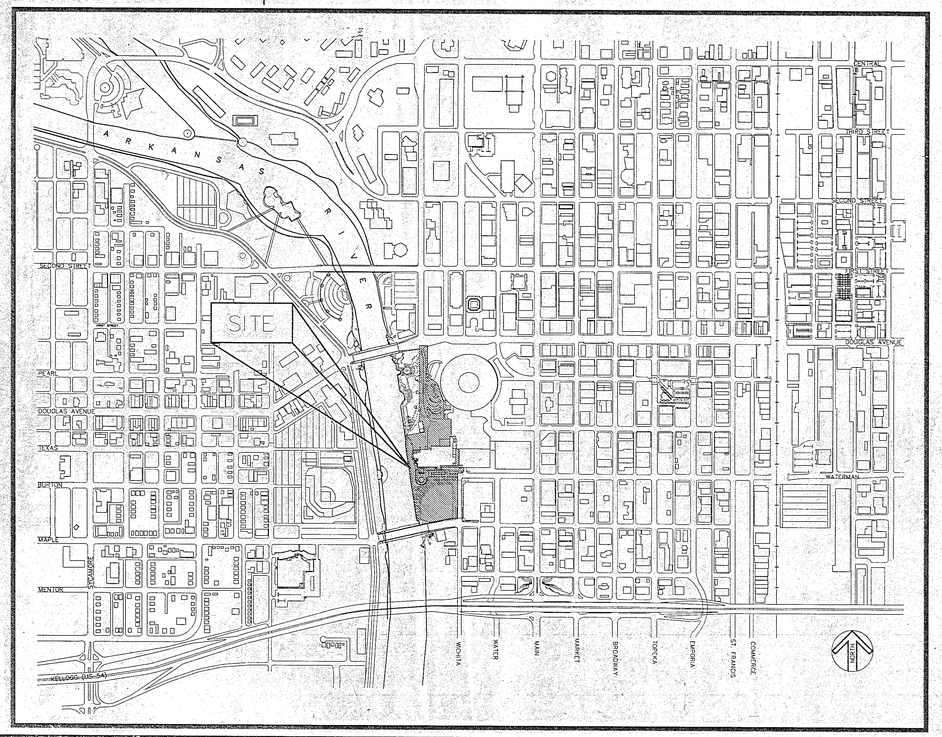
WICHITA WATER WALK

@ THE HYATT REGENCY HOTEL SITE
BETWEEN DOUGLAS AND LEWIS
IN THE EAST BANK ADDITION

THE CITY OF WICHITA
SEDGWICK COUNTY. KANSAS
MICHAEL E. LINDEBAK, CITY ENGINEER

INDEX CODE 791467

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PLANNING
URBAN DESIGN
ENVIRONMENTAL ASSESSMENT
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SCE
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BARRETT, WOODYARD & ASSOCIATES, INC.
1320 CENTER DRIVE
ATLANTA, GEORGIA - 30338
(770) 392-1316

WICHITA WATER WALK
WICHITA, KANSAS
FOR THE
CITY OF WICHITA

COVER SHEET

JOB NO. -888.000
DATE 10/30/96
DRAWN JRS/TDM
CHECKED MRM

G-1
OF

GENERAL NOTES

1. SURVEY BASE INFORMATION PROVIDED BY:
MID KANSAS ENGINEERING CONSULTANTS
411 N. WEBB ROAD
WICHITA, KANSAS 67206
(316) 684-9600 (PHONE)
(316) 684-5100 (FAX)

2. THIS SURVEYOR AND ENGINEER HAVE NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. ABOVE GRADE AND UNDERGROUND UTILITIES SHOWN WERE TAKEN FROM VISIBLE APPURTENANCES AT THE SITE, PUBLIC RECORDS AND/OR MAPS PREPARED BY OTHERS. THE ENGINEER MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE ENGINEER FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. THEREFORE, RELIANCE UPON THE TYPE, SIZE AND LOCATION OF UTILITIES SHOWN SHOULD BE DONE WITH THIS CIRCUMSTANCE CONSIDERED. DETAILED VERIFICATION OF EXISTENCE, LOCATION AND DEPTH SHOULD ALSO BE MADE PRIOR TO ANY DECISION RELATIVE THERETO AVAILABILITY AND COST OF SERVICE SHOULD BE CONFIRMED WITH THE APPROPRIATE UTILITY COMPANY.

3. CONSTRUCTION SHALL FOLLOW PLANS AND FULL WRITTEN SPECIFICATIONS.

4. A GEOTECHNICAL INVESTIGATION WAS PREPARED FOR THIS PROJECT. THE COMPLETE GEOTECHNICAL REPORT WILL BE MADE AVAILABLE FOR REVIEW UPON REQUEST. THIS REPORT IS FURNISHED ONLY FOR THE INFORMATION OF THE CONTRACTOR AND IN NO WAY IS GUARANTEED BY THE OWNER. WHERE CONFLICTS EXIST BETWEEN THE RECOMMENDATIONS IN THE SOILS REPORT AND THE DRAWINGS AND SPECIFICATIONS, THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS SHALL BE GOVERN.

5. THE CONTRACTOR WILL EMPLOY AND PAY FOR THE SERVICES OF AN INDEPENDENT TESTING LABORATORY TO PERFORM SPECIFIED TESTING. THE CONTRACTOR SHALL COOPERATE WITH THE LABORATORY TO FACILITATE THE EXECUTION OF ITS REQUIRED SERVICES. TESTING SERVICES ARE PROVIDED FOR THE OWNER'S BENEFIT TO ENSURE COMPLIANCE WITH SPECIFICATIONS.

6. CONTRACTOR SHALL COOPERATE WITH LABORATORY PERSONNEL, PROVIDING ACCESS TO WORK AS REQUIRED TO FACILITATE TESTING AND SAMPLING OPERATIONS.

7. IN GENERAL, THE WORK REQUIRED TO ACCOMPLISH THE PLANNED FACILITIES WILL BE PERFORMED IN A WAY WHICH WILL MINIMIZE EVEN TEMPORARY INCREASE IN SUSPENDED MATTER OR POLLUTANTS INTO THE ARKANSAS RIVER OR STORM DRAINS.

8. EROSION CONTROL MEASURES SHOULD CONFORM TO REQUIREMENTS OF THE KANSAS STATE DIVISION OF WATER RESOURCES. 9.THE EROSION CONTROL PROGRAM SHALL CONFORM TO THE FEDERAL EPA REGULATIONS UNDER N.P.D.E.S. PERMITTING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING NOTIFICATIONS AS REQUIRED BY SAID PROGRAM.

10. CONTRACTOR SHALL FURNISH MATERIALS AND EQUIPMENT NECESSARY TO IMPLEMENT THE WORK. SILT FENCE, RIP RAP, ETC. SHALL BE AS SPECIFIED ON CIVIL DRAWINGS. TEMPORARY SEEDING AND GRASSING SHALL BE AS SPECIFIED ON CIVIL DRAWINGS EROSION CONTROL PLAN. THE ENTIRE DISTURBED AREA OF THE SITE OUTSIDE BUILDING AND PAVEMENT AREAS MUST BE PROVIDED WITH TEMPORARY SEEDING AND FINAL GRASSING AS PER THE EROSION CONTROL PLAN IMMEDIATELY UPON REACHING FINAL GRADE ELEVATION. FINAL GROUND COVER SHALL BE IN ACCORDANCE WITH DIRECTIVE OF LANDSCAPE ARCHITECT.

11. DURING CONSTRUCTION THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO INSURE THAT LAND STRIPPED OF ITS NATURAL GROUND COVER IS EXPOSED ONLY ON SMALL QUANTITIES AND FOR LIMITED DURATIONS, BEFORE PERMANENT EROSION PROTECTION IS ESTABLISHED.

12. DURING CONSTRUCTION, SITE RUNOFF SHALL BE ROUTED THROUGH SEDIMENTATION BARRIERS AND OTHER SEDIMENTATION DEVICES AS INDICATED ON PLANS. UNLESS OTHERWISE STATED, ALL SEDIMENTATION BARRIERS ARE TEMPORARY IN NATURE AND SHALL BE REMOVED AS SOON AS GROUND PROTECTION IS ESTABLISHED OR AS A PART OF FINAL CLEANUP OF SITE.

13. USE SHALL BE MADE OF AS MANY OTHER TECHNIQUES AS REQUIRED TO CONTROL EROSION PROBLEM AREAS. OTHER TECHNIQUES INCLUDE DIVERSION DIKES, ADDITIONAL MULCHING, OR GRASSING, AND SLOPE PIPES.

14. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SEDIMENTATION CONTROL DEVICES IN THEIR PROPER FUNCTIONAL CONDITION. AS A GUIDE TO BE FOLLOWED, SEDIMENTATION BARRIERS AND CHECK DAMS WILL BE CLEANED OUT WHEN THESE DEVICES ARE AT 60 PERCENT OF THEIR CAPACITY. AS OFTEN AS NECESSARY, DEFECTIVE MATERIALS IN THE BARRIERS AND CHECK DAMS WILL BE REPLACED.

15. A RESOURCE PROTECTION NOTEBOOK SHALL BE KEPT AT THE PROJECT SITE THROUGH DURATION OF PROJECT FOR INSPECTION BY THE OWNER, SITE ARCHITECT OR REGULATORY AGENCIES. THE NOTEBOOK SHALL INCLUDE:
A.A RECORD OF EROSION CONTROL MEASURES INSTALLATION. B.MAINTENANCE RECORD
C.DAILY WEATHER RECORD AT JOB SITE.
D.EROSION PROBLEMS AND FOLLOW-UP OF CORRECTIVE MEASURES.

16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING BARRIERS AT THE TOE OF SLOPES UNDER CONSTRUCTION. THESE BARRIERS SHALL BE AS THOSE SHOWN ON THE DETAIL SHEET INCLUDED IN THE PLANS. THESE BARRIERS MAY BE RELOCATED AND REUSED AFTER PERMANENT SLOPE STABILIZATION BECOMES FULLY ESTABLISHED. AS THEY ARE RELOCATED, ANY DEFECTIVE MATERIAL IN THE BARRIER SHALL BE REPLACED. IN ADDITION, ALL DEBRIS AND SILT AT THE PREVIOUS LOCATION SHALL BE REMOVED.

17. SILT, DEBRIS, AND DEPOSITS REMOVED FROM CONTROL BARRIERS SHALL BE REMOVED FROM THE SITE OR PLACED IN AREAS APPROVED BY THE ARCHITECT.

18. BORROW AND WASTE SHALL BE OBTAINED AND DEPOSITED ONLY IN AUTHORIZED AREAS. EARTHWORK OPERATIONS ON THE VICINITY OF STREAMBEDS SHALL BE CAREFULLY CONTROLLED TO AVOID DUMPING OR SLOUGHING INTO THE NATURAL RUNOFF.

19. ANY HAUL ROADS BUILT FOR TEMPORARY USE SHALL BE STABILIZED TO PREVENT EROSION AND TO SUPPORT VEHICULAR TRAFFIC FOR WHICH THE ROAD IS INTENDED. ALL HAUL ROADS SHALL BE MAINTAINED FOR THE DURATION OF THEIR USE, AND SHALL BE PERIODICALLY TOP DRESSED AS NECESSARY TO SUPPORT TRAFFIC AND TO PREVENT PUMPING OF MUD TO THE ROAD SURFACE.

20. TEMPORARY AND/OR PERMANENT SEEDING SHALL BE APPLIED TO ANY DISTURBED AREAS OUTSIDE BUILDING OR PAVEMENT LIMITS WITHIN 45 DAYS AFTER REACHING FINAL GRADE. SEEDING SHALL BE A CONTINUOUS PROCESS BASED ON COMPLETION OF SPECIFIC SLOPES, PADS, SHOULDERS, ETC. AREAS SHALL BE RESEEDED WHERE REQUIRED. TEMPORARY SEEDING OF ALL DISTURBED AREAS SHALL BE IN ACCORDANCE WITH THE "TEMPORARY SEEDING" SCHEDULE (SHEET NO. C-3a). GRASS SHALL BE FERTILIZED IN CONFORMANCE WITH RECOMMENDATIONS BY THE KANSAS STATE SOIL AND WATER CONSERVATION COMMITTEE.

21. NO CLEARING OR DEMOLITION SHALL COMMENCE UNTIL TREE PROTECTION BARRIERS ARE IN PLACE AND AN ONSITE PREDEVLOPMENT MEETING WITH OWNER, ARCHITECT AND ENGINEER HAS BEEN CONDUCTED.

22. CONDUCT SITE CLEARING OPERATIONS WITHOUT INTERFERENCE TO VEHICLE AND PEDESTRIAN TRAFFIC ON ADJACENT ROADWAYS.

23. PROTECT EXISTING SITE IMPROVEMENTS, UTILITIES DESIGNATED TO REMAIN AND BENCHMARKS FROM DAMAGE. CONTRACTOR SHALL REPAIR OR REPLACE IF DAMAGED AT NO ADDITIONAL COST TO THE OWNER.

24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING SOIL EROSION DURING ALL PHASES OF CONSTRUCTION. NOT ONLY TO PRESERVE AND PROTECT SLOPES, DRAINAGE STRUCTURES, PAVEMENT, AND OTHER FACILITIES, BUT ALSO TO REDUCE POTENTIAL SOURCES OF WATER POLLUTION AND DAMAGE TO ADJACENT PROPERTY. FULL COORDINATION OF ALL ACTIVITIES WITH HYATT REGENCY WICHITA CONSTRUCTION AND DAILY OPERATIONS OF CENTURY II / EXPO HALL FACILITY SHALL BE CONDUCTED.

25. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL ACCESS TO THE SITE IN SUCH MANNER AS TO PREVENT MUD FROM WASHING OR BEING TRACKED ONTO EXISTING PAVEMENTS.

26. THE CONTRACTOR SHALL KEEP AIRBORNE DUST TO A MINIMUM BY USING WATER SPRINKLING OR TOSSING AND/OR OTHER SUITABLE MEANS AS APPROVED BY THE ENGINEER.

27. ALL CONSTRUCTION SHALL CONFORM IN STRICT COMPLIANCE WITH THE MOST RECENT OSHA REGULATIONS.

28. IF EXISTING GRADES ARE AT VARIANCE WITH DRAWINGS, NOTIFY ENGINEER IMMEDIATELY AND RECEIVE INSTRUCTIONS PRIOR TO PROCEEDING.

29. THE CONTRACTOR SHALL AGREE TO ACCEPT THE SITE AS IT PRESENTLY EXISTS.

30. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF WICHITA, KANSAS STANDARDS. AND REQUIREMENTS.

31. ALL DRAINAGE SYSTEM MATERIALS SHALL CONFORM TO:
A. CONCRETE: 3000 PSI COMPRESSIVE STRENGTH, IN ACCORD WITH SPECIFICATION DIVISION 3, CONCRETE, INCLUDING FORMWORK, REINFORCING AND FINISH.
B. MORTAR: MEETING ASTM C-270, TYPE M.
C. CORRUGATED STEEL PIPE: BITUMINOUS COATED, MEETING AASHTO M 36-74 AND M190-70, TYPE I. GAUGE SHALL CONFORM TO CITY OF WICHITA STANDARDS.
D. CONCRETE PIPE TO CONFORM TO ASTM C 76. RUBBER GASKET JOINTS SHALL CONFORM TO AWWA C302 OR ASTM C443. CLASS SHALL CONFORM TO WICHITA CITY STANDARDS.
E. PLASTIC PIPE: PLASTIC STORM DRAIN PIPE AND STORM COLLECTION SYSTEMS SHALL BE AS SPECIFIED ON THE CONSTRUCTION PLANS.
F. PLASTIC PIPES NOT SPECIFIED ON CONSTRUCTION DRAWINGS BY MANUFACTURER SHALL CONFORM TO THE FOLLOWING:
PIPE SIZES 3" TO 10" SHALL BE PVC, SMOOTH AND RIGID SCHEDULE 40, ASTM D1785 OR CORRUGATED POLYETHYLENE SMOOTH CORE INTERIOR AASHTO-M- 294-"S".
PIPE SIZES 12" TO 36" SHALL BE CORRUGATED POLYETHYLENE SMOOTH CORE INTERIOR AASHTO-M- 294-"S".
G. CONSTRUCTION CASTINGS: MEETING ASTM A-48, CLASS 40A, WITH ANGLE FRAMES.
H. MANHOLE STEPS: MEETINGS ASTM A-48, CLASS 30-B, INTEGRALLY CAST INTO MANHOLE SIDEWALLS.

32. CONTRACTOR SHALL SCHEDULE SITE IMPROVEMENT WORK OF OTHER TRADES REQUIRED TO BE INSTALLED PRIOR TO EXECUTION OF THIS WORK.

33. CONTRACTOR SHALL CONSTRUCT NEW CURB AND GUTTER AND SHALL MAINTAIN OR REPAIR CURB AND GUTTER TO REMAIN AT INTERFACE POINTS.

34. PAVEMENT SHALL BE INSTALLED WITH DESIGN THICKNESS AS SPECIFIED ON CONSTRUCTION DETAILS.

35. ALL AREAS TO BE PAVED ONSITE SHALL RECEIVE FULL ROAD PAVING SECTION APPLICATION AS DEPICTED ON PLANS.

36. PAVING LIMITATIONS
A. APPLY BITUMINOUS PRIME AND TACK COATS ONLY WHEN THE AMBIENT TEMPERATURE IN THE SHADE IS 40 DEGREES F. FOR 12 HOURS IMMEDIATELY PRIOR TO APPLICATION.
B. DO NOT APPLY WHEN SURFACE IS WET OF CONTAINS EXCESS OF MOISTURE WHICH WOULD PREVENT UNIFORM DISTRIBUTION AND REQUIRE PENETRATION.
C. CONSTRUCT ASPHALT COURSES ONLY WHEN ATMOSPHERIC TEMPERATURE IS ABOVE 40 DEGREES F., WHEN THE UNDERLYING BASE IS DRY AND WHEN WEATHER IS NOT RAINY.
D. PLACE AGGREGATE BASE COURSE WHEN AIR TEMPERATURE IS ABOVE 35 DEGREES F., AND RISING.

37. CONTRACTOR SHALL INSTALL NEW SANITARY SEWER SYSTEM FOR THE HOTEL AS DEPICTED, AND DEMOLITION, REMOVAL, AND/OR PLUGGING OF ALL EXISTING FACILITIES ON SITE NOT TO BE USED, AS SHOWN ON DRAWINGS.

38. WATER SYSTEM INCLUDED IN THIS SCOPE OF WORK SHALL BE AT AND BELOW THE FINISHED GRADE AND UP TO 5 FT. OUTSIDE THE LIMITS OF THE BUILDING. PLUG AND MARK ALL SERVICE CONNECTIONS TO BUILDING. WATER SUPPLY PIPING SHALL BE INSTALLED (12 INCHES MIN) BELOW THE LOCAL FROST LINE.

39. CONTRACTOR SHALL OBTAIN REQUIRED PERMITS, PAY ALL REQUIRED TAP, METER, AND PERMIT FEES TO THE LOCAL WATER AUTHORITY. COORDINATE ANY WORK TO BE PERFORMED BY THE CITY OF WICHITA. PVC PIPE SHALL BE CONSTRUCTED TO MEET THE REQUIREMENTS OF U.S. DEPARTMENT OF COMMERCE PRODUCT STANDARD PS 22-70, AND BEAR THE NATIONAL SANITATION FOUNDATION TESTING LABORATORIES, INC., SEAL FOR POTABLE WATER. CLASS 200, SDR 21, PVC 1120, CONFORMING TO ASTM D2241, MIN.

PROJECT OWNER
THE CITY OF WICHITA
DEPARTMENT OF PUBLIC WORKS CITY HALL
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GOSSEN LIVINGSTON ARCHITECTURE
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(404) 237-0276 (FAX)

CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION, ACCESS, AND STAGING ACTIVITIES WITH THE LEWIS BRIDGE AND STREET PROJECTS, THE HYATT REGENCY WITCHITA PROJECT, AND THE DAILY OPERATION OF THE CENTURY II / EXPO HALL FACILITY.

NO	REVISION DATE	ISSUE

SCE
SOUTHERN CIVIL ENGINEERS, INC.
1708 PEACHTREE STREET - SUITE 405
ATLANTA, GEORGIA - 30309
(404) 874-7890

PROJECT DESCRIPTION
EAST BANK / WATER WALK DEVELOPMENT
WICHITA KANSAS

DESIGNED: JRH
DRAWN: LAA
CHECKED: JRH
DATE: 10/30/1996
PROJ NO: 95075
SHEET TITLE
GENERAL NOTES
DRAWING NO.
CN-1

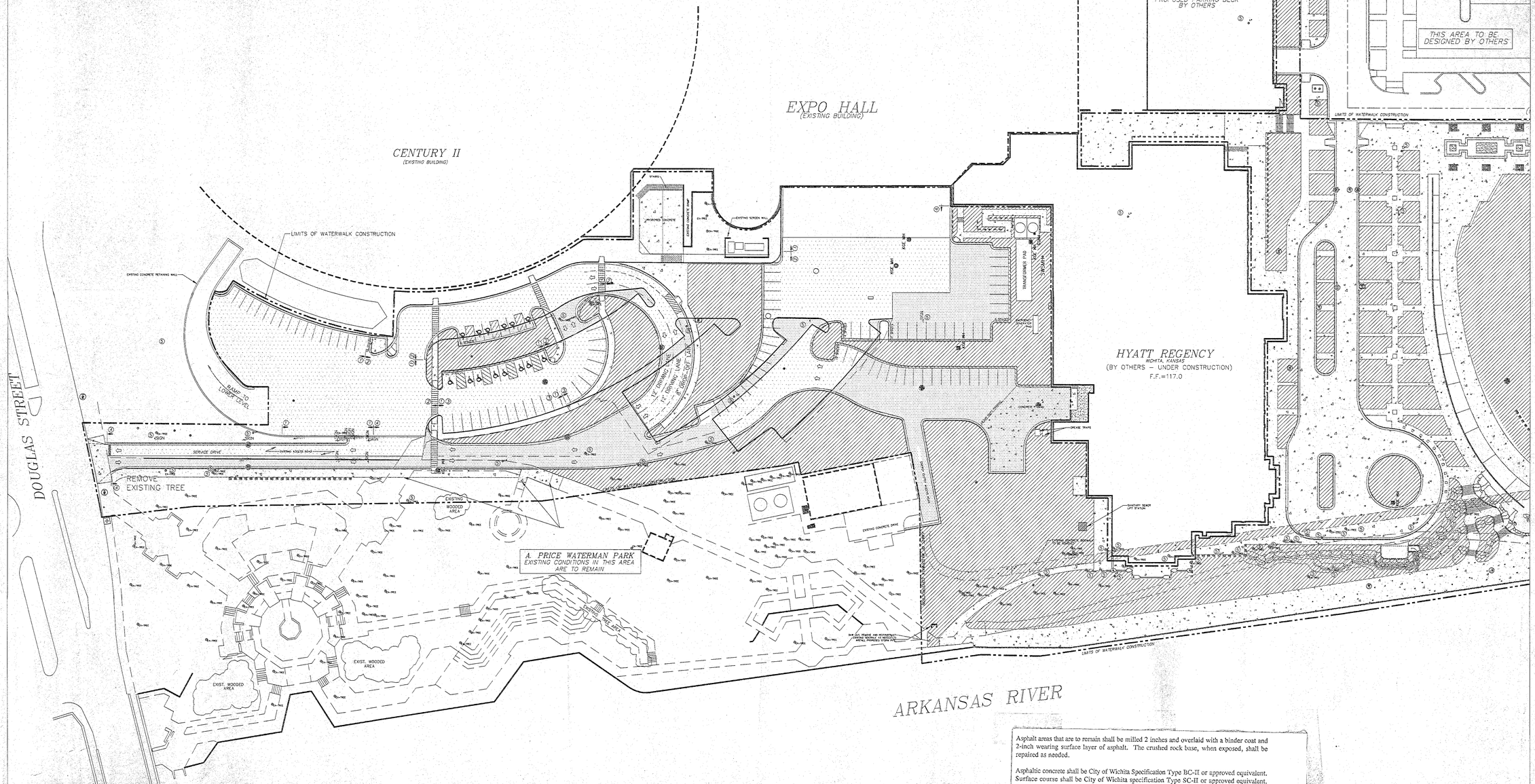
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General Notes

1) REFER TO DRWGS CU-1 AND CU-1A FOR EXISTING AND PROPOSED UTILITY LOCATION.

2) REFER TO DRWGS C1 AND C2 FOR SITE AND DRAINAGE INFORMATION.

3) REFER TO SHEET CN-1 FOR GENERAL NOTES.



Legend

- EXISTING CURB AND GUTTER TO REMAIN
- REMOVE EXISTING AND INSTALL PROPOSED CURB AND GUTTER
- EXISTING SIDEWALK TO REMAIN
- INSTALL PROPOSED CURB AND GUTTER
- REMOVE EXISTING TREE(S), SIGN(S), OR LIGHT POLE(S). COORDINATE WITH CITY.
- EXISTING/PROPOSED DROP INLET
- EXISTING MANHOLE
- EXISTING INLET
- FIRE HYDRANT
- LIMITS OF CONSTRUCTION
- EXISTING BUILDING

PROPOSED LANDSCAPE AREA. REMOVE ANY EXISTING ASPHALT OR CONCRETE AND FILL TO PROPOSED GRADE WITH CLEAN TOPSOIL. PROTECT ANY EXISTING TREES IN THIS AREA (UNLESS OTHERWISE NOTED) AND BARRICADE AT DRIP LINES FOR CONSTRUCTION PHASE PROTECTION.

PROPOSED CONCRETE SIDEWALK OR WALKWAY. REMOVE ANY EXISTING ASPHALT, CONCRETE, OR OTHER UNSUITABLE BACKFILL MATERIAL.

EXISTING PAVEMENT TO BE RESURFACED

PROPOSED AGGREGATE BASE AND ASPHALT PAVEMENT OR CONCRETE DRIVE. REMOVE ANY EXISTING CONCRETE AS NEEDED FOR INSTALLATION. COORDINATE THE REMOVAL OF LIGHT POLES OR OTHER UTILITIES WITH CITY AUTHORITIES. ADJUST MANHOLES TO PROPOSED GRADE.

Asphalt areas that are to remain shall be milled 2 inches and overlaid with a binder coat and 2-inch wearing surface layer of asphalt. The crushed rock base, when exposed, shall be repaired as needed.

Asphaltic concrete shall be City of Wichita Specification Type BC-II or approved equivalent. Surface course shall be City of Wichita specification Type SC-II or approved equivalent. Pavement construction shall be in accordance with City standards. Blinder is omitted.

Eight-inch concrete paving as shown on the Miscellaneous Details, Drawing C-18, is correct. The Bid Form and other areas where this is referenced in the Contract Documents should be revised to reflect this.

Areas to be resurfaced and areas to have new asphalt paving are shown on the Demolition Plan, Drawing CD-1a, of the Project Plans.

a. 5,680 square yards of the area is new 10-inch asphalt with a 6-inch crushed rock base.
b. 7,890 square yards of the area is to be milled 2 inches and resurfaced with a tack coat and asphalt as specified.
c. The thickness of the heavy-duty paving is 10 inches (2 inches of asphaltic wearing surface and 8 inches of bituminous base placed in 2 lifts). The 10-inch pavement is underlain by 6 inches of crushed rock base.
d. The thickness of the subgrade is 6 inches and is crushed rock. A bid item for a. and b. above has been added to the Bid Form and is included in this Addendum.

ADDEN #2

MAGNETIC NORTH

0 20' 40' 60' 80' 120' 160'

GRAPHIC SCALE: 1"=40'

NO.	REVISION	DATE	ISSUE

SCE
SOUTHERN CIVIL ENGINEERS, INC.
1708 PEACHTREE STREET SUITE 405
ATLANTA, GEORGIA 30309
(404) 874-7990

PROJECT DESCRIPTION

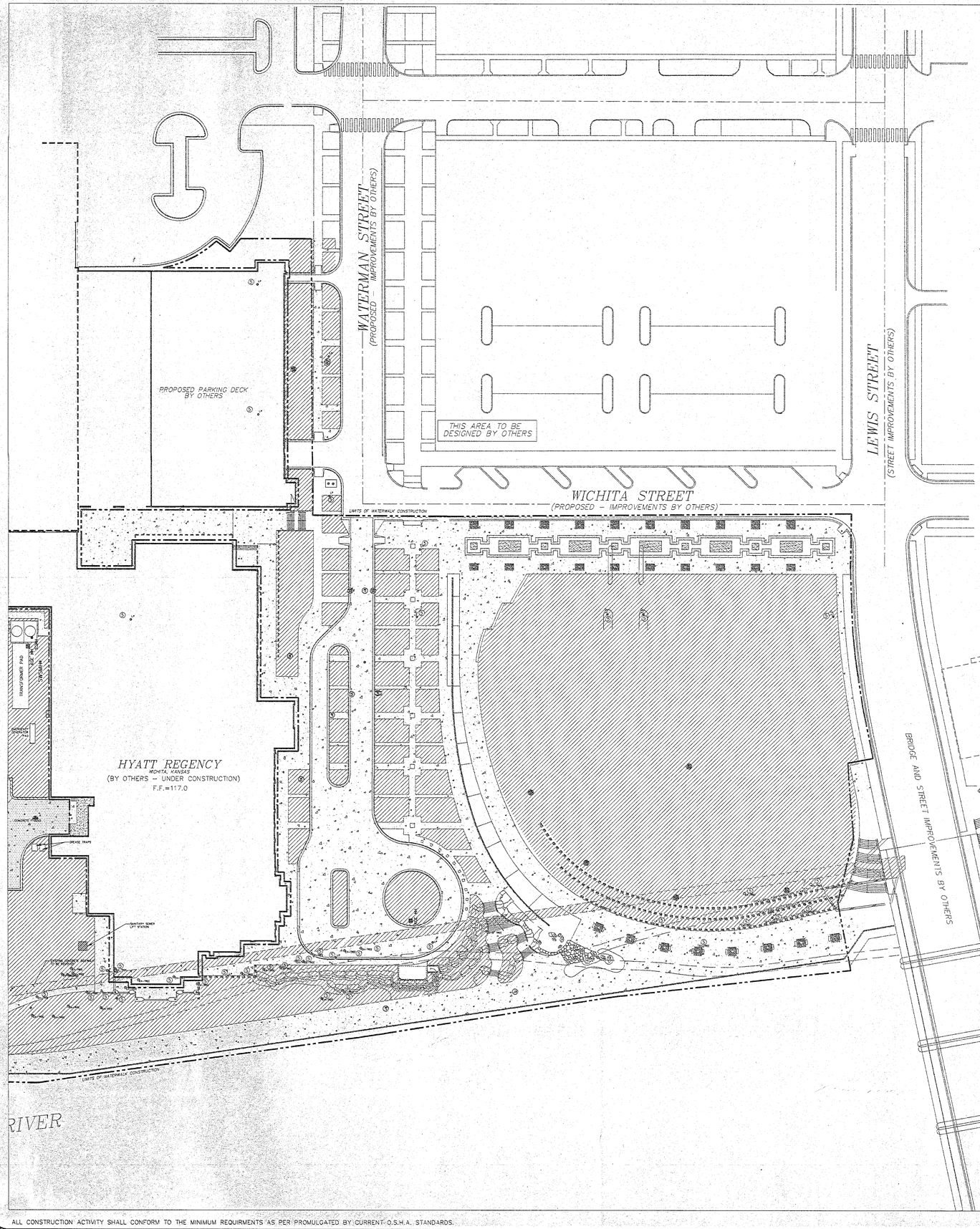
EAST BANK / WATER WALK DEVELOPMENT

WICHITA, KANSAS

DESIGNED:	JRH
DRAWN:	RT
CHECKED:	FVP
DATE:	10/30/1996
PROJ. NO.	95075
SHEET TITLE	DEMOLITION PLAN (NORTH)
DRAWING NO.	CD-1a

ALL CONSTRUCTION ACTIVITY SHALL CONFORM TO THE MINIMUM REQUIRMENTS AS PER PROMULGATED BY CURRENT O.S.H.A. STANDARDS.

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Legend

① EXISTING CURB AND GUTTER TO REMAIN

② REMOVE EXISTING AND INSTALL PROPOSED CURB AND GUTTER

③ EXISTING SIDEWALK TO REMAIN

④ INSTALL PROPOSED CURB AND GUTTER

⑤ REMOVE EXISTING TREE(S), SIGN(S), OR LIGHT POLE(S). COORDINATE WITH CITY.

EXISTING/PROPOSED DROP INLET

EXISTING MANHOLE

EXISTING INLET

FIRE HYDRANT

LIMITS OF CONSTRUCTION

EXISTING BUILDING

PROPOSED LANDSCAPE AREA. REMOVE ANY EXISTING ASPHALT OR CONCRETE AND FILL TO PROPOSED GRADE WITH CLEAN TOPSOIL. PROTECT ANY EXISTING TREES IN THIS AREA (UNLESS OTHERWISE NOTED) AND BARRICADE AT DRIP LINES FOR CONSTRUCTION PHASE PROTECTION.

PROPOSED CONCRETE SIDEWALK OR WALKWAY. REMOVE ANY EXISTING ASPHALT, CONCRETE, OR OTHER UNSUITABLE BACKFILL MATERIAL.

EXISTING PAVEMENT TO BE RESURFACED

PROPOSED AGGREGATE BASE AND ASPHALT PAVEMENT OR CONCRETE DRIVE. REMOVE ANY EXISTING CONCRETE AS NEEDED FOR INSTALLATION. COORDINATE THE REMOVAL OF LIGHT POLES OR OTHER UTILITIES WITH CITY AUTHORITIES. ADJUST MANHOLES TO PROPOSED GRADE.

MAGNETIC NORTH

0 20' 40' 60' 80' 120' 160'

GRAPHIC SCALE: 1"=40'

ALL CONSTRUCTION ACTIVITY SHALL CONFORM TO THE MINIMUM REQUIRMENTS AS PER PROMULGATED BY CURRENT O.S.H.A. STANDARDS.

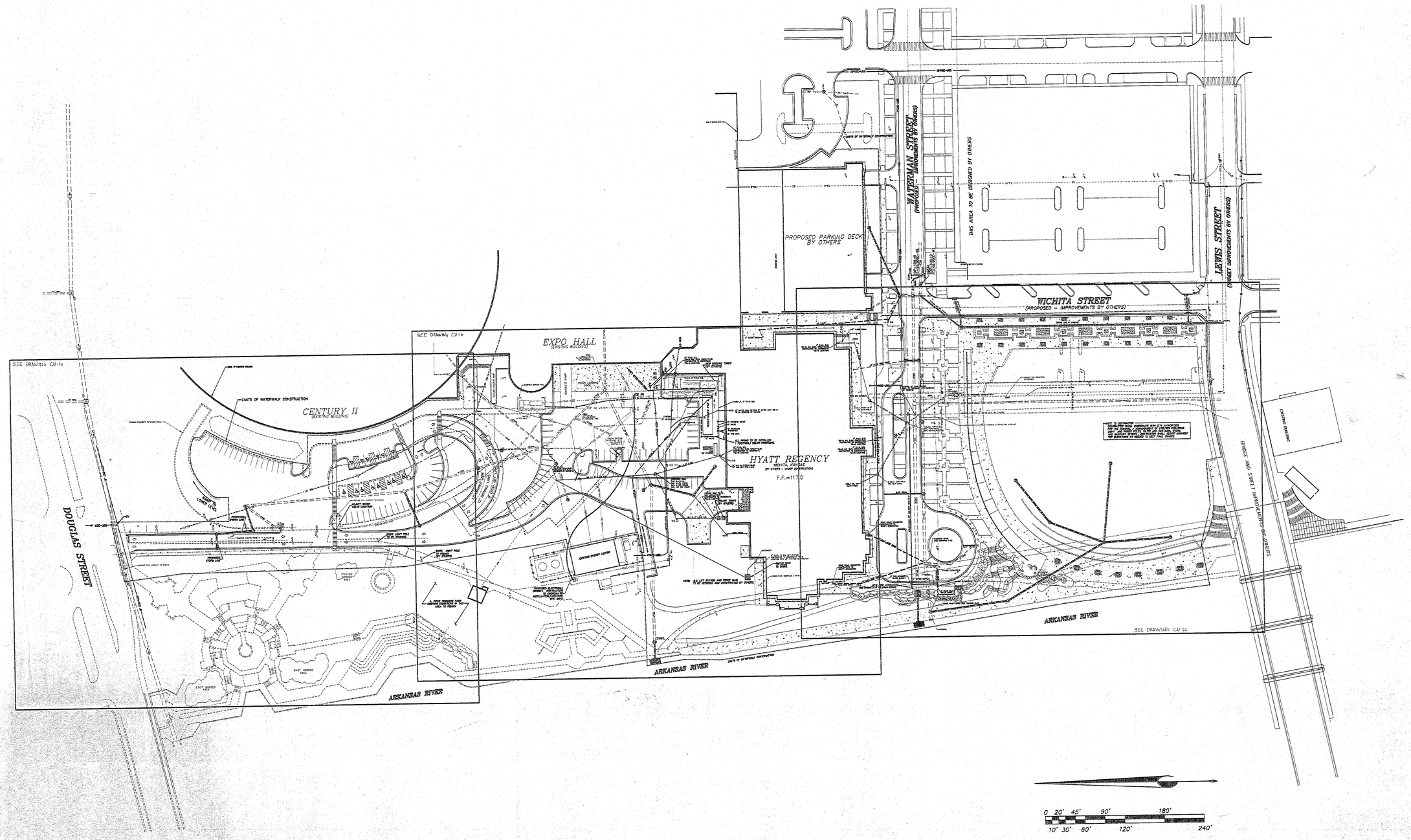
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NO.	REVISION DATE	ISSUE

SCE
SOUTHERN CIVIL ENGINEERS, INC.
1708 PEACHTREE STREET - SUITE 405
ATLANTA, GEORGIA - 30309
(404) 874-7890

PROJECT DESCRIPTION
EAST BANK / WATER WALK DEVELOPMENT
WICHITA, KANSAS

DESIGNED:	JRH
DRAWN:	RT
CHECKED:	FVP
DATE:	10/30/1996
PROJ NO:	95075
SHEET TITLE:	DEMOLITION PLAN (SOUTH VIEW)
DRAWING NO.	CD-1b



REVISION DATE	NO.	ISSUE

SCE

SOUTHERN CIVIL ENGINEERS, INC.
1700 PEACHTREE STREET - SUITE 405
ATLANTA, GEORGIA - 30309
(404) 874-7660

PROJECT DESCRIPTION

EAST BANK / WATER WALK DEVELOPMENT

WICHITA KANSAS

DESIGNED:	FVP
DRAWN:	RT
CHECKED:	JRH
DATE:	10/30/1996
PROJ. NO:	95075

SHEET TITLE

UTILITY PLAN
(OVERALL VIEW)

DRAWING NO.

CU-1

ALL CONSTRUCTION ACTIVITY SHALL CONFORM TO THE MINIMUM REQUIRMENTS AS PER PROMULGATED BY CURRENT O.S.H.A. STANDARDS.

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NOTE: EXISTING UTILITIES SHOWN BASED ON SURVEY BY OTHERS. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION.

EDGE OF EXISTING BUILDING

LIMITS OF WATERWALK CONSTRUCTION

CENTURY II
(EXISTING BUILDING)

HVAC

STAIR

PROPOSED

EXISTING CONCRETE RETAINING WALL

24" SWS

6" KGE-UGG

DOUGLAS STREET

RAMP TO LOWER LEVEL

10" SS

24" SWS

24' MIN.

SAN

SSMH

SIGN

EXISTING FIRE HYDRANT TO REMAIN

ADJUST WATER VALVE LOCATION

EXISTING WATER LINE

GV

4" KGE-UGG

PROPOSED STORM LINE

EXISTING ACCESS ROAD

EXIST. LIGHT POLE TO BE REMOVED

EXIST. LIGHT POLE TO REMAIN (BY OTHERS)

L.P.

EXISTING FIRE HYDRANT TO REMAIN

EXISTING WOODED AREA

A. PRICE WOODARD PARK EXISTING CONDITIONS IN THIS AREA TO REMAIN

EXIST. TREE AREA

EXIST. WOODED AREA

ARKANSAS RIVER

MAGNETIC NORTH

0 10' 20' 40' 60' 80'

SCALE: 1"=20'

Asphalt areas that are to remain shall be milled 2 inches and overlaid with a binder coat and 2-inch wearing surface layer of asphalt. The crushed rock base, when exposed, shall be repaired as needed.

Asphaltic concrete shall be City of Wichita Specification Type BC-II or approved equivalent. Surface course shall be City of Wichita specification Type SC-II or approved equivalent. Pavement construction shall be in accordance with City standards. Binder is omitted.

Eight-inch concrete paving as shown on the Miscellaneous Details, Drawing C-18, is correct. The Bid Form and other areas where this is referenced in the Contract Documents should be revised to reflect this.

Areas to be resurfaced and areas to have new asphalt paving are shown on the Demolition Plan, Drawing CD-1a, of the Project Plans.

a. 5,680 square yards of the area is new 10-inch asphalt with a 6-inch crushed rock base.
b. 7,890 square yards of the area is to be milled 2 inches and resurfaced with a tack coat and asphalt as specified.
c. The thickness of the heavy-duty paving is 10 inches (2 inches of asphaltic wearing surface and 8 inches of bituminous base placed in 2 lifts). The 10-inch pavement is underlain by 6 inches of crushed rock base.
d. The thickness of the subgrade is 6 inches and is crushed rock. A bid item for a. and b. above has been added to the Bid Form and is included in this Addendum. ADDEN. #2

ALL CONSTRUCTION ACTIVITY SHALL CONFORM TO THE MINIMUM REQUIRMENTS AS PER PROMULGATED BY CURRENT O.S.H.A. STANDARDS.

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REVISION DATE	NO	ISSUE

SCE
SOUTHERN CIVIL ENGINEERS, INC.
1700 PEACHTREE STREET - SUITE 405
ATLANTA, GEORGIA - 30309
(404) 874-7890

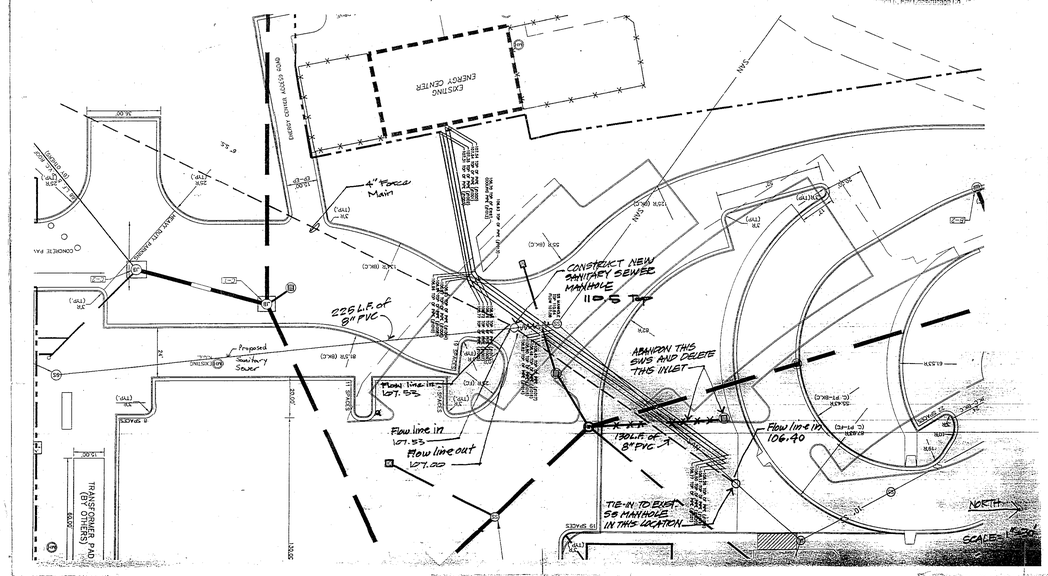
PROJECT DESCRIPTION
EAST BANK / WATER WALK DEVELOPMENT
WICHITA KANSAS

DESIGNED: FVP
DRAWN: RT
CHECKED: JRH
DATE: 10/30/1996
PROJ NO. 95075
SHEET TITLE
UTILITY PLAN (UTILITY VIEW #1)

DRAWING NO.
CU-1a

Preliminary Drawing
As-Built Location (Hot & Chilled Water Piping)
Century II

RECEIVED
FEB 28 1997



EXPO HALL
(EXISTING BUILDING)

HYATT REGENCY
WICHITA, KANSAS
(BY OTHERS - UNDER CONSTRUCTION)

F.F.=117.0

NEW COOLING TOWER
(BY OTHERS)

TRANSFORMER PAD

EMERGENCY GENERATOR PAD (BY OTHERS)

EXISTING ENERGY CENTER

EXISTING SCREEN WALL

EXISTING 12" WATER MAIN

EXTEND EXISTING WATER LINE 10 FT. AND RELOCATE EXIST. FIRE HYDRANT

WATER METER VAULT

KGE MH

SSMH

FH #683

JB

PP

SWB-DH

SWB-UG

KGE-UGE

4"KGE-UGG

12" AC WATER

12" CICL WATER

EXIST. SWB-UG

EXIST. S.S.

8" DROP-OFF LANE

SAN

HVAC

W.V.

O.H.

O.L.P.

C.O.

LP

PROPOSED ELECTRICAL CONDUIT. CONTRACTOR TO COORDINATE INSTALLATION/LOCATION WITH CITY.

4" P.V.C. S.S. TIE-IN INV. ELEV. (MIN)=112.35 CONTRACTOR TO COORDINATE TIE-IN LOCATION (BY OTHERS)

78 L.F. 4" P.V.C. S.S. (BY OTHERS)

120 L.F. 4" P.V.C. S.S. (BY OTHERS)

6" DOMESTIC WATER (BY OTHERS)
6" VALVE (BY OTHERS)
ALL PIPING TO BE INSTALLED 1 FOOT(MIN.) BELOW FROSTLINE.
8" FIRE MAIN (BY OTHERS)
8" BACKFLOW PREVENTER (BY OTHERS)
8" VALVE (BY OTHERS)

PROPOSED S.S. M.H.
TOP ELEV. = 116.10
4" INV. IN(E)=110.20
6" INV. IN(W) = 110.20

12" P.V.C. ROOF DRAIN INV. OUT=114.0 (BY OTHERS)
8" P.V.C. ROOF DRAIN INV. OUT=114.0 (BY OTHERS)

250 L.F. 8" P.V.C. S.S.

57" P.V.C. S.S. TIE-IN INV. ELEV=107.50 FORCE MAIN TIE-IN TO BE COORDINATED BY CONTRACTOR

56 L.F. 8" P.V.C. S.S. (BY OTHERS)

S.S. GREASE TRAPS (BY OTHERS)

15" P.V.C. S.W.S. (BY OTHERS)

58 L.F.

6" P.V.C. S.S. DRAIN TO GREASE TRAPS MIN. INV. ELEV.=111.20 (BY OTHERS)

ROOF DRAIN CONNECTOR CONTRACTOR TO VERIFY LOCATION. (MIN) INV. ELEV. = 114.0 (BY OTHERS)

38 L.F. 8" P.V.C. ROOF DRAIN (BY OTHERS)

25 L.F.

CLEANOUT

45 L.F. 6" P.V.C. TO S.S. LIFT STATION CONTRACTOR TO COORDINATE TIE-IN LOCATION WITH LIFT STATION CONTRACTOR (BY OTHERS)

320 L.F. S.S. FORCE MAIN 4" PVC

SANITARY SEWER LIFT STATION (BY OTHERS)

NOTE: S.S. LIFT STATION TO BE DESIGNED AND CONSTRUCTED BY OTHERS. I.E. 103.00' +/-

195 L.F. 10" P.V.C. S.W.S.

6" FLOOR DRAIN

28 L.F. 4" P.V.C.

4" P.V.C. S.S. TIE-IN INV. ELEV. (MIN)=108.6 CONTRACTOR TO COORDINATE TIE-IN LOCATION

102± L.F. 4" P.V.C. S.S. (BY OTHERS)

S.S. INV.=107.25

68 L.F. 10" P.V.C. ROOF DRAIN (BY OTHERS)

20 L.F.

10" P.V.C. ROOF DRAIN TIE-IN (MIN.) INV. ELEV. = 113.0 CONTRACTOR TO COORDINATE TIE-IN LOCATION (BY OTHERS)

EXISTING 12" PLUG RODDED BACK TO "MEGALUG" AND DEADMAN (BY OTHERS)

(MIN) INV. IN=106.8

6" P.V.C. S.S. TIE-IN INV. ELEV. (MIN)=108.4 CONTRACTOR TO COORDINATE TIE-IN LOCATION (BY OTHERS)

24 L.F. 6" P.V.C. ROOF DRAIN (BY OTHERS)

52 L.F. 6" P.V.C. S.S. (BY OTHERS)

28 L.F. 6" P.V.C. S.S. TIE-IN INV. ELEV. (MIN)=107.5 CONTRACTOR TO COORDINATE TIE-IN LOCATION (BY OTHERS)

85 L.F. 8" P.V.C. ROOF DRAIN (BY OTHERS)

SLOT DRAIN

ROOF DRAIN CONNECTOR CONTRACTOR TO VERIFY CONNECTION MIN. INV. ELEV. = 113.0 (BY OTHERS)

PROPOSED 8" WATER SUPPLY

ROOF DRAIN CONNECTOR CONTRACTOR TO VERIFY CONNECTION MIN. INV. ELEV.=109.10

55 L.F. 8" P.V.C. ROOF DRAIN (BY OTHERS)

MIN. INV. ELEV.= 108.0

FOUNTAIN DRAIN (SEE DRAWING C-2)

45 L.F. 6" P.V.C. ROOF DRAIN (BY OTHERS)

MIN. INV. ELEV.= 108.0

8" P.V.C. ROOF DRAIN (BY OTHERS)

ROOF DRAIN CONNECTOR CONTRACTOR TO VERIFY CONNECTION MIN. INV. ELEV.=109.3 (BY OTHERS)

105 L.F.

4" METER

6" FIRE HYDRANT WATER SUPPLY

6" WATER SUPPLY

NEW FIRE HYDRANT
(SEE DRAWING C-17 FOR PIPING DETAILS)

PROVIDE A CONCRETE VAULT & 4" GATE VALVE

PUMP VAULT DRAIN (SEE DRAWING C-2)

LIMITS OF WATERWALK CONSTRUCTION

ARKANSAS RIVER

NOTE: EXISTING UTILITIES SHOWN BASED ON SURVEY BY OTHERS. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION.

MAGNETIC NORTH

0 10' 20' 40' 50' 80'

SCALE: 1"=20'

ADDENDUM #1 11/19/96

ALL CONSTRUCTION ACTIVITY SHALL CONFORM TO THE MINIMUM REQUIRMENTS AS PER PROMULGATED BY CURRENT O.S.H.A. STANDARDS.

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NO.	ISSUE	REVISION DATE
1	ADDENDUM NO. 1	11/19/96

JAMES R. HOLT LICENSED 13555 KANSAS PROFESSIONAL ENGINEER

SCE
SOUTHERN CIVIL ENGINEERS, INC.
1709 PEACHTREE STREET - SUITE 405
ATLANTA, GEORGIA - 30309
(404) 874-7880

PROJECT DESCRIPTION
EAST BANK / WATER WALK DEVELOPMENT
WICHITA KANSAS

DESIGNED: FVP	
DRAWN: RT	
CHECKED: JRH	
DATE: 10/30/1996	
PROJ. NO. 95075	
SHEET TITLE: UTILITY PLAN (UTILITY VIEW #2)	
DRAWING NO.	CU-1b

WICHITA STREET
(PROPOSED – IMPROVEMENTS BY OTHERS)

(STORM LINE BY OTHERS)

4" P.V.C. S.S. TIE-IN INV. ELEV. (MIN)=108.8 CONTRACTOR TO COORDINATE TIE-IN LOCATION (BY OTHERS)

6" FLOOR DRAIN

10" P.V.C. ROOF DRAIN (BY OTHERS)

4"KGE-UGG

EXISTING 12" PLUG RODDED BACK TO MEGALUG AND DEADMAN (BY OTHERS)

SSMH TOP=109.03 FL=105.03(S-NW) ADJUST TOP ELEV. TO PROPOSED GRADE(TYP.)

ADJUST TOP ELEVATION AS NEEDED

EXISTING SANITARY SEWER TO REMAIN

(MIN) INV. IN=108.8 (BY OTHERS)

S.S.M.H. TOP=116.5 INV. OUT=106.8

EXIST. S.S.

ABANDON EXISTING 12" WATER MAIN (BY OTHERS)

REMOVE EXISTING FIRE HYDRANT

S.S.M.H. TOP=115.9 INV. OUT=105.19 INV. IN=105.39(BOTH)

6" P.V.C. S.S. TIE-IN INV. ELEV. (MIN)=108.4 CONTRACTOR TO COORDINATE TIE-IN LOCATION (BY OTHERS)

6" P.V.C. S.S. TIE-IN INV. ELEV. (MIN)=107.5 CONTRACTOR TO COORDINATE TIE-IN LOCATION (BY OTHERS)

92 L.F. 6" P.V.C. (S.S.) (BY OTHERS)

S.S.M.H. TOP=116.61 INV. OUT=106.8

(MIN.) INV. IN ELEV.=108.8 (BY OTHERS)

SLOT DRAIN

PROPOSED 8" WATER SUPPLY

ROOF DRAIN CONNECTOR CONTRACTOR TO VERIFY CONNECTION (BY OTHERS)

6" P.V.C. ROOF DRAIN (BY OTHERS)

FOUNTAIN DRAIN (SEE DRAWING C-2)

SSMH TOP=109.15 FL=98.26(E-W)

INV. ELEV.=101.0

6" FIRE HYDRANT WATER SUPPLY

6" WATER SUPPLY

4" METER

1" FOUNTAIN WATER SUPPLY

12" P.V.C. ROOF DRAIN (BY OTHERS)

NEW FIRE HYDRANT (SEE DRAWING C-17 FOR PIPING DETAILS)

4" PUMP VAULT WATER SUPPLY

PUMP VAULT DRAIN (SEE DRAWING C-2)

HEADWALL

ARKANSAS RIVER

BRIDGE AND STREET IMPROVEMENTS

WAVE FRONT TO AUDIO O.Z. I.D. (SEE A-71)

REFER TO C-2c

NOTE TO CONTRACTOR
CONTRACTOR SHALL COORDINATE WITH CITY AUTHORITIES FOR THE REMOVAL / ABANDONMENT OF UTILITIES INCLUDING: LIGHT AND POWER POLES, WATER AND GAS MAIN, STORM AND SANITARY SEWERS. CONTRACTOR SHALL ADJUST MANHOLE TOP ELEVATIONS AS NEEDED TO MEET FINAL GRADES.

NOTE: EXISTING UTILITIES SHOWN BASED ON SURVEY BY OTHERS. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION.

Aco Drain, available from Carter Waters Construction Materials, 4509 West Harry, Wichita, Kansas, phone number (316) 942-6712, is an acceptable alternate for the slot drains in the hotel drive.

MAGNETIC NORTH

0 10' 20' 40' 60' 80'

SCALE: 1"=20'

GENCY
SAS
NSTRUCTION)
.0

E-IN
NTRACTOR

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REVISION DATE	NO.	ISSUE

SCE
SOUTHERN CIVIL ENGINEERS, INC.
1706 PEACHTREE STREET - SUITE 405
ATLANTA, GEORGIA 30309
(404) 874-7890

PROJECT DESCRIPTION
EAST BANK / WATER WALK DEVELOPMENT
WICHITA KANSAS

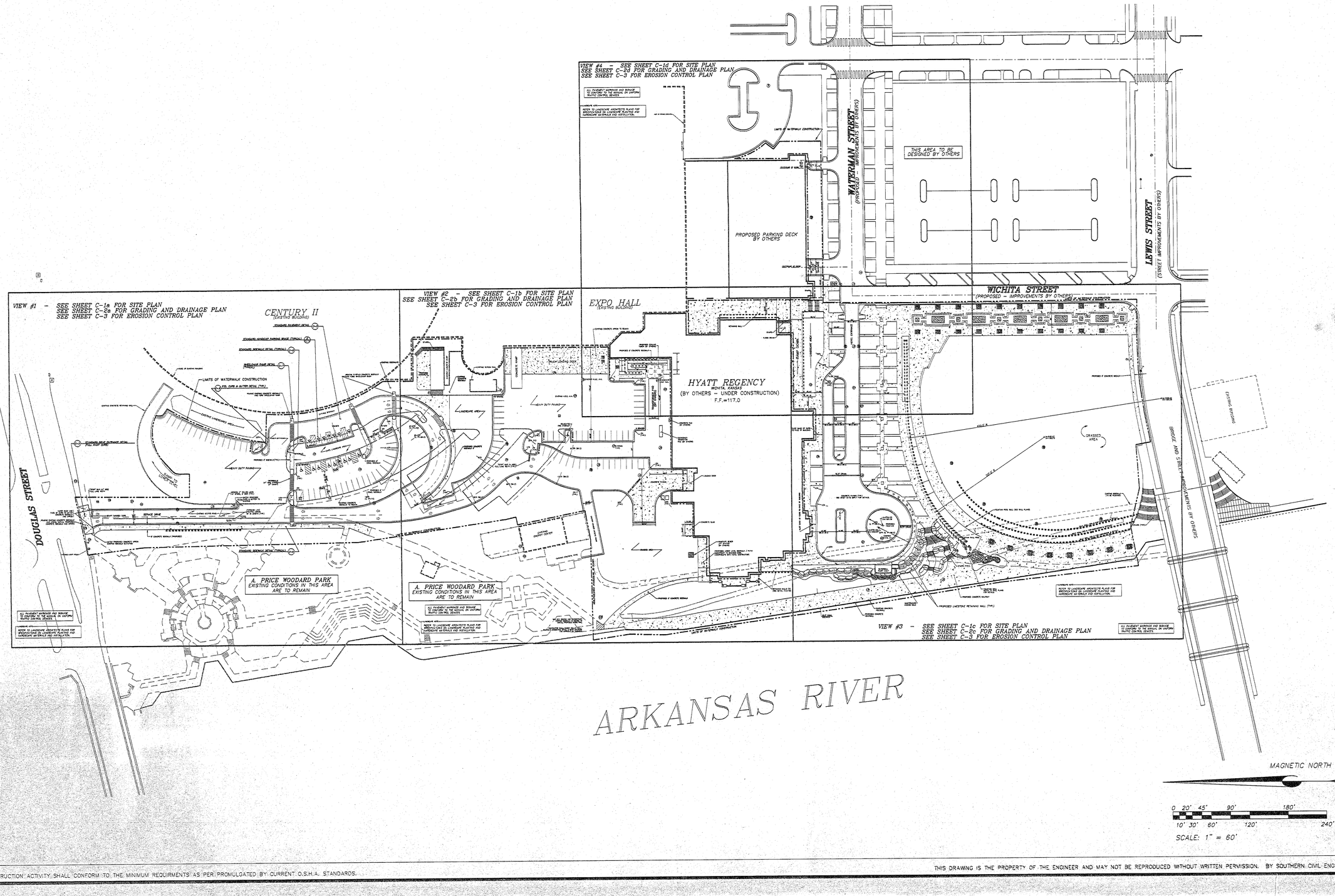
DESIGNED:	FVP
DRAWN:	RT
CHECKED:	JRH
DATE:	10/30/1996
PROJ NO:	95075
SHEET TITLE	UTILITY PLAN (UTILITY VIEW #3)
DRAWING NO.	CU-1c

General Notes

(REFER TO SHEET CN-1 FOR GENERAL NOTES)

Erosion Control Notes

(REFER TO SHEET CN-1 FOR MORE EROSION CONTROL NOTES)
(REFER TO SHEET C-3 AND C-3a FOR EROSION CONTROL DETAILS)



ALL CONSTRUCTION ACTIVITY SHALL CONFORM TO THE MINIMUM REQUIRMENTS AS PER PROMULGATED BY CURRENT O.S.H.A. STANDARDS.

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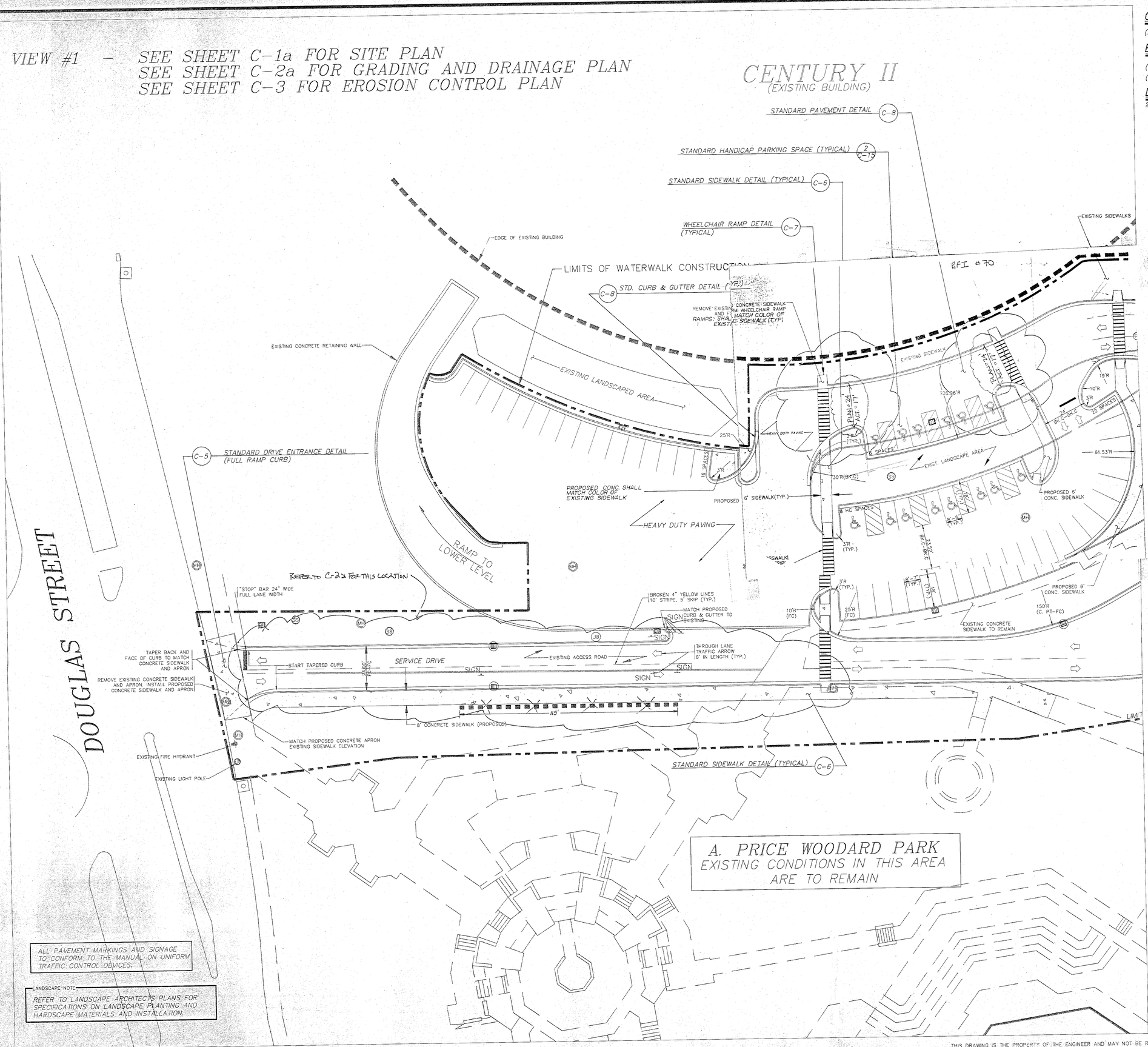
REVISION DATE	NO.	ISSUE

SCE
SOUTHERN CIVIL ENGINEERS, INC.
1706 PEACHTREE STREET - SUITE 406
ATLANTA, GEORGIA - 30309
(404) 874-7890

PROJECT DESCRIPTION
EAST BANK / WATER WALK
DEVELOPMENT
WICHITA, KANSAS

DESIGNED:	JRH
DRAWN:	RT
CHECKED:	FVP
DATE:	10/30/1996
PROJ NO.	95075
SHEET TITLE	SITE PLAN (OVERALL)
DRAWING NO.	C-1

VIEW #1 – SEE SHEET C-1a FOR SITE PLAN
SEE SHEET C-2a FOR GRADING AND DRAINAGE PLAN
SEE SHEET C-3 FOR EROSION CONTROL PLAN



ALL PAVEMENT MARKINGS AND SIGNAGE TO CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

LANDSCAPE NOTE
REFER TO LANDSCAPE ARCHITECTS PLANS FOR SPECIFICATIONS ON LANDSCAPE, PLANTING AND HARDSCAPE MATERIALS AND INSTALLATION.

ALL CONSTRUCTION ACTIVITY SHALL CONFORM TO THE MINIMUM REQUIRMENTS AS PER PROMULGATED BY CURRENT O.S.H.A. STANDARDS.

General Notes

(REFER TO SHEET CN-1 FOR GENERAL NOTES)

Erosion Control Notes

(REFER TO SHEET CN-1 FOR EROSION CONTROL NOTES)
(REFER TO SHEET C-3 & C-3a FOR EROSION CONTROL DETAILS

Legend

SYMBOLS

- HANDICAP PARKING SPACE
- TRAFFIC FLOW ARROW
- EXISTING SIGN
- PROPOSED STOP SIGN
- EXISTING UTILITY MANHOLE
- EXISTING STORM SYSTEM MANHOLE
- EXISTING STORM SYSTEM INLET STRUCTURE
- PROPOSED STORM SYSTEM MANHOLE
- PROPOSED STORM SYSTEM DROP INLET (CURB TYPE)
- PROPOSED STORM SYSTEM DROP INLET
- EXISTING SANITARY SEWER MANHOLE
- PROPOSED SANITARY SEWER MANHOLE
- EXISTING LIGHT POLE
- PROPOSED FIRE HYDRANT
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- PROPOSED CURB ELEVATION (T.C. 100.00 / B.C. 100.00) — TOP OF CURB / BOTTOM OF CURB
- PROPOSED SLOPE ARROW

LINE TYPES

- EXISTING STORM LINE
- PROPOSED STORM LINE
- EXISTING SANITARY SEWER LINE
- PROPOSED SANITARY SEWER LINE
- PROPOSED CONCRETE SIDEWALKS
- EXISTING EDGE OF PAVEMENT
- PROPOSED CURB AND GUTTER
- EXISTING BULKHEAD
- PROPOSED BULKHEAD
- PROPOSED RETAINING WALL
- LIMITS OF CONSTRUCTION

ABBREVIATIONS

T.W.	TOP OF WALL
B.W.	BOTTOM OF WALL
T.C.	TOP OF CURB
BC	BOTTOM OF CURB
BK.C	BACK OF CURB
FC	FACE OF CURB
(TYP.)	TYPICAL
C. PT	CENTER POINT
R	RADIUS
E.P.	EDGE OF PAVEMENT
M.H.	MANHOLE
D.I.	DROP INLET
L.P.	LIGHT POLE
E.O.P.	EDGE OF PAVEMENT
E.O.B.	EDGE OF BUILDING

MAGNETIC NORTH

0 10' 20' 40' 60' 80'

SCALE: 1" = 20'

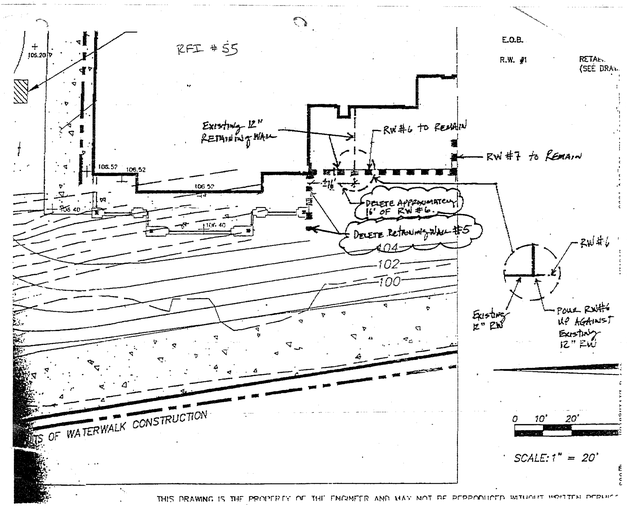
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ATLANTA, GEORGIA 30309
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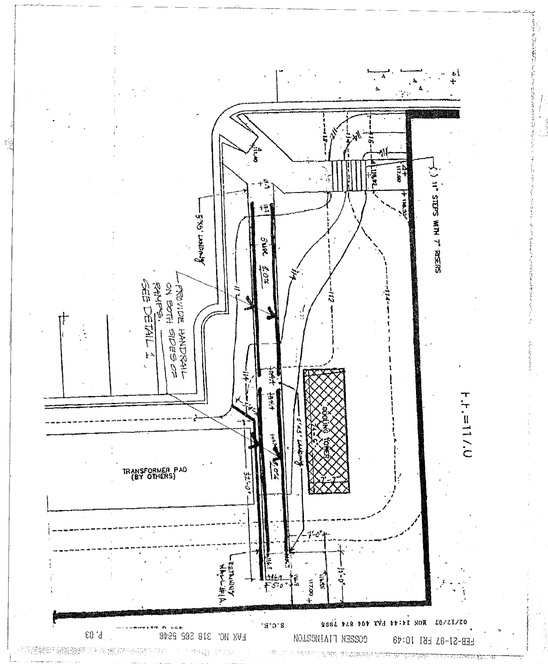
PROJECT DESCRIPTION
EAST BANK / WATER WALK DEVELOPMENT
WICHITA, KANSAS

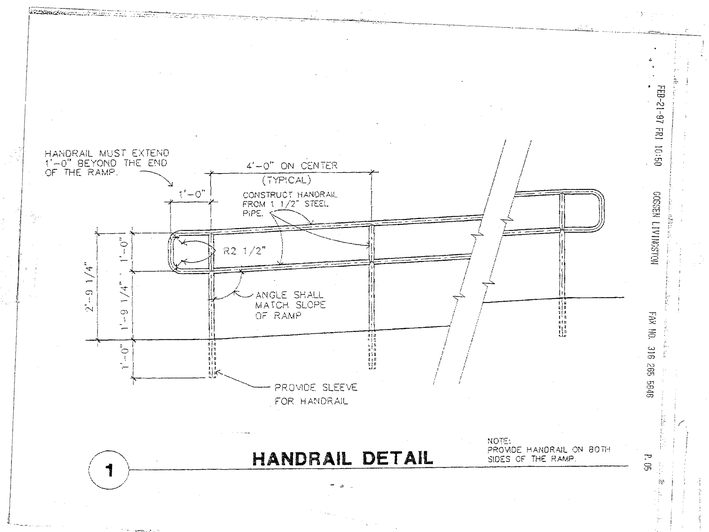
DESIGNED:	FVP
DRAWN:	RT
CHECKED:	JRH
DATE:	10/30/1996
PROJ NO:	95075
SHEET TITLE	SITE PLAN (VIEW #1)
DRAWING NO.	C-1a

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FEB-21-97 FRI 10:50 GOSSEN LIVINGSTON FAX NO. 318 265 5246 P.05

VIEW #2 – SEE SHEET C-1b FOR SITE PLAN
SEE SHEET C-2b FOR GRADING AND DRAINAGE PLAN
SEE SHEET C-3 FOR EROSION CONTROL PLAN

EXPO HALL
(EXISTING BUILDING)

EXISTING CONCRETE APRON TO REMAIN
DELETED RFI # 41
PROPOSED COOLING TOWER (BY OTHERS)
PROPOSED 6' CONCRETE SIDEWALK
R.W. #3
R.W. #2
SEE OPP. PAGE FOR THIS AREA
R.W. #1
STAIRS
6" FLOOR DRAIN
RETAINING WALL
STAIRS
6" FLOOR DRAIN
TRUCK LOADING DOCK
CONCRETE RAMP
PROPOSED CONCRETE
EXISTING CONCRETE SIDEWALK
3'R (TYP.)
19 SPACES
ALL MARKINGS ON PAVEMENT TO BE WHITE
HEAVY DUTY PAVING
LANDSCAPE AREA
BUFF LIBRARY
87.93'R (C. PT-FC)
55.43'R (C. PT-BK.C)
PROPOSED CONCRETE SIDEWALK 6'
RELOCATED FIRE HYDRANT
SEE C-2b
8 SPACES
4 SPACES
19 SPACES
20.00'
3'R (TYP.)
25'R (FC)
10'R
3'R (TYP.)
19 SPACES
81.5'R (BK.C)
24'
82'R
"STOP" BAR 24 WIDE FULL LANE WIDTH (TYP.)
134'R (BK.C)
55'R (BK.C)
3'R (TYP.)
3'R (TYP.)
17'R(TYP)
125'R (BK.C)
20.00'
52'
15.00' EP-EP
ENERGY CENTER ACCESS ROAD
130.00'
TRANSFORMER PAD (BY OTHERS)
60.00'
15.00'
CONCRETE PAD (BY OTHERS)
EMERGENCY GENERATOR PAD (BY OTHERS)
S.S.M.H. (SEE DRAWING CU-1b FOR INVERT INFORMATION)
3'R (TYP.)
58.5'
LOADING DOCK
CONCRETE PAVING
GREASE TRAPS (BY OTHERS)
HEAVY DUTY PAVING
25'R (TYP.)
25'R (TYP.)
50'
34'
36.00'
R.W.
12.00'
CONCRETE SLAB
Deleted
18.00'
R.W. #4
SANITARY SEWER LIFT STATION (BY OTHERS)
GRASSED AREA
PROPOSED LOWER LEVEL SIDEWALK / PATIO CONSTRUCT TO BUILDING EDGE (COORDINATE WITH HOTEL CONTRACTOR)
R.W. #7
R.W. #5
R.W. #6
Deleted
RETAINING WALLS (2) (SEE DETAIL 4\C-18)
PROPOSED 6' CONCRETE SIDEWALK
LIMITS OF WATERWALK CONSTRUCTION
S OF WATERWALK CONSTRUCTION
LIMITS OF WATERWALK CONSTRUCTION

HYATT REGENCY
WICHITA, KANSAS
(BY OTHERS – UNDER CONSTRUCTION)
F.F.=117.0

A. PRICE WOODARD PARK
EXISTING CONDITIONS IN THIS AREA ARE TO REMAIN

ALL PAVEMENT MARKINGS AND SIGNAGE TO CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

LANDSCAPE NOTE
REFER TO LANDSCAPE ARCHITECTS PLANS FOR SPECIFICATIONS ON LANDSCAPE PLANTING AND HARDSCAPE MATERIALS AND INSTALLATION.

General Notes

Erosion Control Notes

(REFER TO SHEET CN-1 FOR EROSION CONTROL NOTES)
(REFER TO SHEET C-3 & C-3a FOR EROSION CONTROL DETAILS

Legend

SYMBOLS

- HANDICAP PARKING SPACE
- TRAFFIC FLOW ARROW
- EXISTING SIGN
- PROPOSED STOP SIGN
- EXISTING UTILITY MANHOLE
- EXISTING STORM SYSTEM MANHOLE
- EXISTING STORM SYSTEM INLET STRUCTURE
- (JB) PROPOSED STORM SYSTEM MANHOLE
- PROPOSED STORM SYSTEM DROP INLET (CURB TYPE)
- PROPOSED STORM SYSTEM DROP INLET
- EXISTING SANITARY SEWER MANHOLE
- (SS) PROPOSED SANITARY SEWER MANHOLE
- EXISTING LIGHT POLE
- PROPOSED FIRE HYDRANT
- EXISTING SPOT ELEVATION
- +100.00 PROPOSED SPOT ELEVATION
- + T.C. 100.00 / B.C. 100.00 PROPOSED CURB ELEVATION (TOP OF CURB / BOTTOM OF CURB)
- PROPOSED SLOPE ARROW

LINE TYPES

- EXISTING STORM LINE
- PROPOSED STORM LINE
- EXISTING SANITARY SEWER LINE
- SS PROPOSED SANITARY SEWER LINE
- PROPOSED CONCRETE SIDEWALKS
- EXISTING EDGE OF PAVEMENT
- PROPOSED CURB AND GUTTER
- EXISTING BULKHEAD
- PROPOSED BULKHEAD
- PROPOSED RETAINING WALL
- LIMITS OF CONSTRUCTION

ABBREVIATIONS

T.W.	TOP OF WALL
B.W.	BOTTOM OF WALL
T.C.	TOP OF CURB
BC	BOTTOM OF CURB
BK.C	BACK OF CURB
FC	FACE OF CURB
(TYP.)	TYPICAL
C. PT	CENTER POINT
R	RADIUS
E.P.	EDGE OF PAVEMENT
M.H.	MANHOLE
D.I.	DROP INLET
L.P.	LIGHT POLE
E.O.P.	EDGE OF PAVEMENT
E.O.B.	EDGE OF BUILDING
R.W. #1	RETAINING WALL #1 (SEE DRAWING C-1B FOR PROFILES OF RETAINING WALLS)

MAGNETIC NORTH

0 10' 20' 40' 60' 80'

SCALE: 1" = 20'

ADDENDUM #1
11/20/96

ALL CONSTRUCTION ACTIVITY SHALL CONFORM TO THE MINIMUM REQUIRMENTS AS PER PROMULGATED BY CURRENT O.S.H.A. STANDARDS.

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REVISION DATE	NO	ISSUE
11/19/96	1	ADDENDUM NO. 1

JAMES R. HAMILTON LICENSED 13595 KANSAS PROFESSIONAL ENGINEER

SCE
SOUTHERN CIVIL ENGINEERS, INC.
1708 PEACHTREE STREET - SUITE 405
ATLANTA, GEORGIA - 30309
(404) 874-7820

PROJECT DESCRIPTION
EAST BANK / WATER WALK DEVELOPMENT
WICHITA, KANSAS

DESIGNED: FVP
DRAWN: RT
CHECKED: JRH
DATE: 10/30/1996
PROJ NO: 95075
SHEET TITLE
SITE PLAN (VIEW #2)
DRAWING NO.
C-1b
(VIEW 2 OF 4)

POINT	NORTHING	EASTING	DESCRIPTION
(A)	2816.29	−528.31	P.O.B. OF WALL AND P.O.B. OF CURVE #1
(B)	2688.05	−425.72	END OF CURVE #1 P.O.B OF CURVE #2
(C)	2706.86	−301.64	END OF CURVE #2
(D)	2706.86	−210.80	END OF WALL
(E)	2488.36	−362.42	RAD. POINT OF CURVE #1
(F)	2304.37	−304.10	RAD.POINT OF CURVE #2

CURVE No.	CHD BRG	CHD LEN	ARC LEN	RAD LEN
CURVE #1	S 55°01'28" W	125.20'	127.14'	209.49'
CURVE #2	S 81°22'51" W	125.50'	126.02'	402.50'
SECTION AA	N 90°00'00" E	90.84'	–	–

DATE: 1-17-97 REQUEST #: 25

REFERENCE DATA Specification Section # ____ Pg. ____
Sheet No. S1 Detail ____

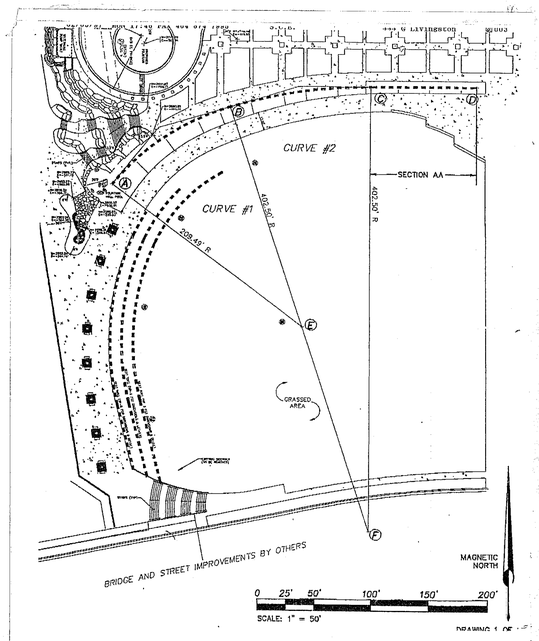
Information, Clarification, Interpretation is requested:
PLEASE PROVIDE THE COORDINATES FOR THE EAST AND WEST ENDS OF THE WATERWALL. ALSO PROVIDE THE "PC" COORDINATES FOR THE 90'S AND THE 207'S. (SEE THE ATTACHED DRAWING)

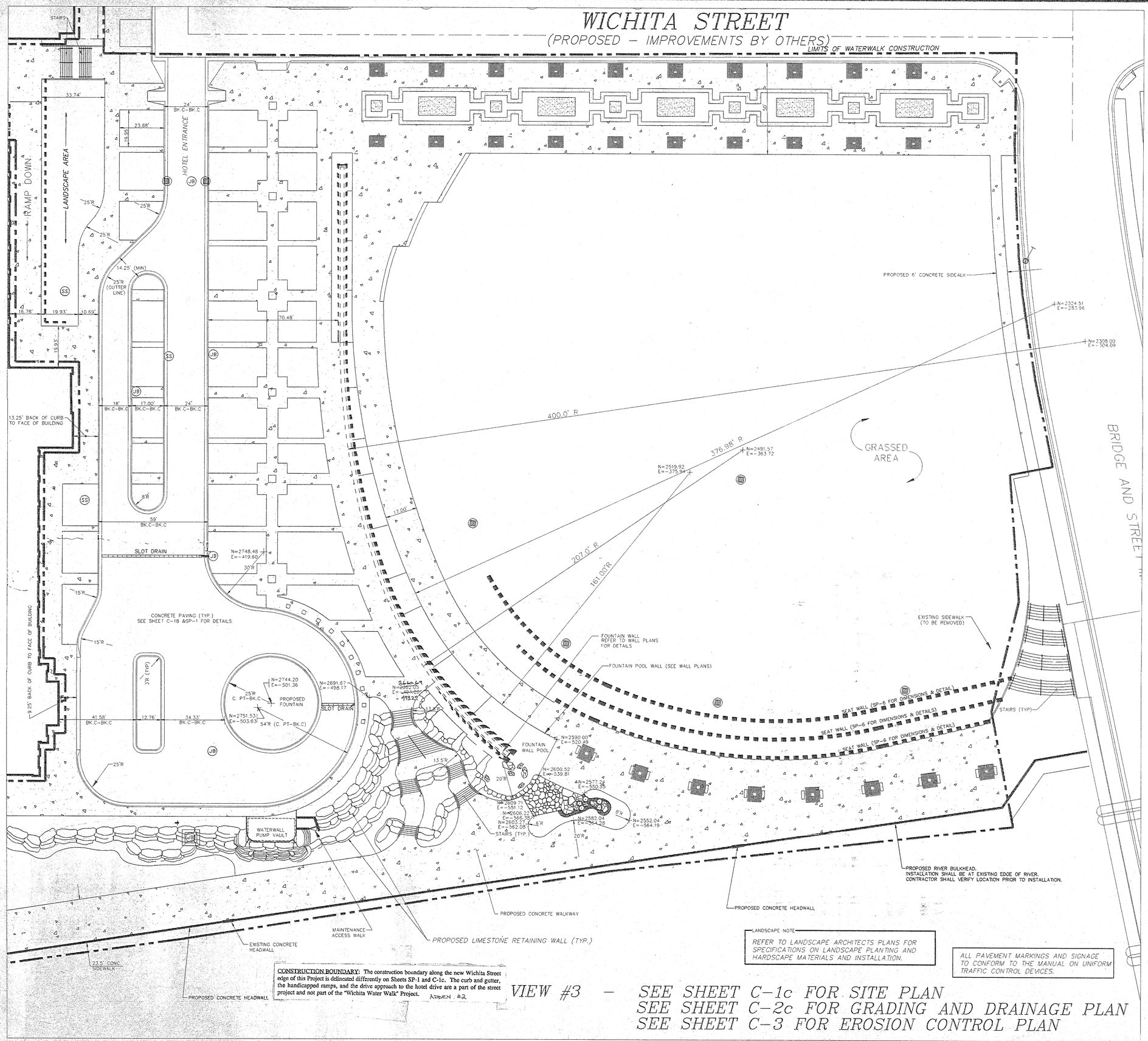
Requested By: [signature] Response Needed By: 1-21-97

Response to the Information Requested:

Please refer to the attached drawing and tables for the water-wall staking information. Please note that the dimensions correlate to the center line of the wall. If you have any questions or comments, please contact me.

Response By: Frank V. Ford Date: 1/3/97
Copy To: ____





CONSTRUCTION BOUNDARY: The construction boundary along the new Wichita Street edge of this Project is delineated differently on Sheets SP-1 and C-1c. The curb and gutter, the handicapped ramps, and the drive approach to the hotel drive are a part of the street project and not part of the "Wichita Water Walk" Project. ADDEN. #2

LANDSCAPE NOTE
REFER TO LANDSCAPE ARCHITECTS PLANS FOR SPECIFICATIONS ON LANDSCAPE PLANTING AND HARDSCAPE MATERIALS AND INSTALLATION.

ALL PAVEMENT MARKINGS AND SIGNAGE TO CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

VIEW #3 – SEE SHEET C-1c FOR SITE PLAN
SEE SHEET C-2c FOR GRADING AND DRAINAGE PLAN
SEE SHEET C-3 FOR EROSION CONTROL PLAN

General Notes

Erosion Control Notes

(REFER TO SHEET CN-1 FOR EROSION CONTROL NOTES)
(REFER TO SHEET C-3 & C-3a FOR EROSION CONTROL DETAILS

Legend

SYMBOLS

- HANDICAP PARKING SPACE
- TRAFFIC FLOW ARROW
- EXISTING SIGN
- PROPOSED STOP SIGN
- EXISTING UTILITY MANHOLE
- EXISTING STORM SYSTEM MANHOLE
- EXISTING STORM SYSTEM INLET STRUCTURE
- (JB) PROPOSED STORM SYSTEM MANHOLE
- PROPOSED STORM SYSTEM DROP INLET (CURB TYPE)
- PROPOSED STORM SYSTEM DROP INLET
- EXISTING SANITARY SEWER MANHOLE
- (SS) PROPOSED SANITARY SEWER MANHOLE
- EXISTING LIGHT POLE
- PROPOSED FIRE HYDRANT
- EXISTING SPOT ELEVATION
- 100.00 PROPOSED SPOT ELEVATION
- T.C. 100.00 / B.C. 100.00 PROPOSED CURB ELEVATION (T.C. TOP OF CURB, B.C. BOTTOM OF CURB)
- S PROPOSED SLOPE ARROW

LINE TYPES

- EXISTING STORM LINE
- PROPOSED STORM LINE
- EXISTING SANITARY SEWER LINE
- SS PROPOSED SANITARY SEWER LINE
- PROPOSED CONCRETE SIDEWALKS
- EXISTING EDGE OF PAVEMENT
- PROPOSED CURB AND GUTTER
- EXISTING BULKHEAD
- PROPOSED BULKHEAD
- PROPOSED RETAINING WALL
- LIMITS OF CONSTRUCTION

ABBREVIATIONS

T.W.	TOP OF WALL
B.W.	BOTTOM OF WALL
T.C.	TOP OF CURB
BC	BOTTOM OF CURB
BK.C	BACK OF CURB
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(TYP.)	TYPICAL
C. PT	CENTER POINT
R	RADIUS
E.P.	EDGE OF PAVEMENT
M.H.	MANHOLE
D.I.	DROP INLET
L.P.	LIGHT POLE
E.O.P.	EDGE OF PAVEMENT
E.O.B.	EDGE OF BUILDING

MAGNETIC NORTH

0 10' 20' 40' 60' 80'

SCALE: 1" = 20'

ADDENDUM #1 11/20/96

REVISION DATE	NO.	ISSUE
11/19/96	1	ADDENDUM NO. 1

JAMES R. HAMILTON LICENSED 13595 KANSAS PROFESSIONAL ENGINEER

SCE
SOUTHERN CIVIL ENGINEERS, INC.
1708 PEACHTREE STREET – SUITE 405
ATLANTA, GEORGIA – 30309
(404) 874-7890

PROJECT DESCRIPTION
EAST BANK / WATER WALK DEVELOPMENT
WICHITA KANSAS

DESIGNED: FVP
DRAWN: RT
CHECKED: JRH
DATE: 10/30/1996
PROJ. NO. 95075
SHEET TITLE
SITE PLAN (VIEW #3)

DRAWING NO.
C-1c
(VIEW 3 OF 4)

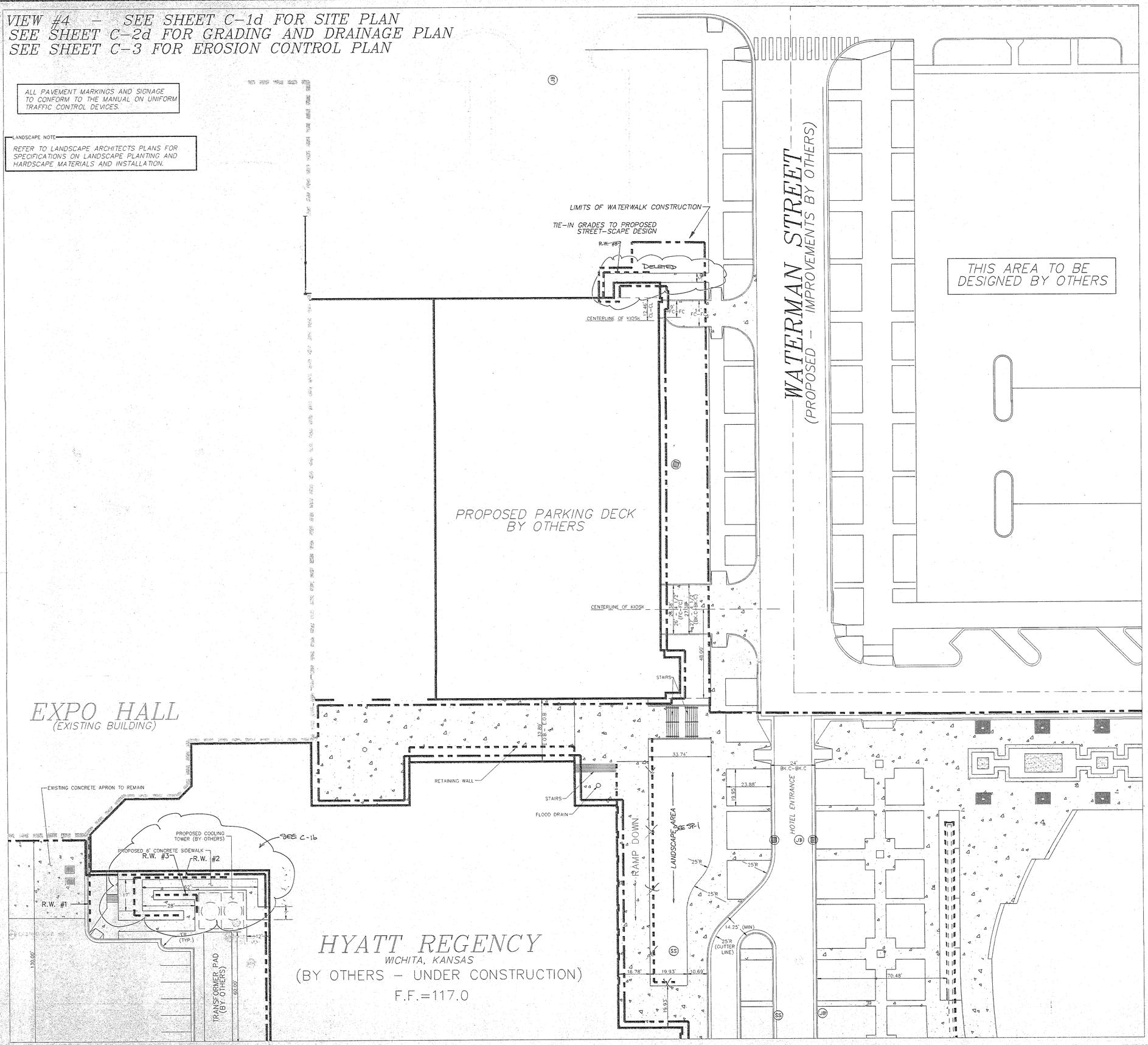
ALL CONSTRUCTION ACTIVITY SHALL CONFORM TO THE MINIMUM REQUIRMENTS AS PER PROMULGATED BY CURRENT O.S.H.A. STANDARDS.

THIS DRAWING IS THE PROPERTY OF THE ENGINEER AND MAY NOT BE REPRODUCED WITHOUT WRITTEN PERMISSION. BY SOUTHERN CIVIL ENGINEERS, INC.

VIEW #4 – SEE SHEET C-1d FOR SITE PLAN
SEE SHEET C-2d FOR GRADING AND DRAINAGE PLAN
SEE SHEET C-3 FOR EROSION CONTROL PLAN

ALL PAVEMENT MARKINGS AND SIGNAGE TO CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

LANDSCAPE NOTE
REFER TO LANDSCAPE ARCHITECTS PLANS FOR SPECIFICATIONS ON LANDSCAPE PLANTING AND HARDSCAPE MATERIALS AND INSTALLATION.



General Notes

Erosion Control Notes

(REFER TO SHEET CN-1 FOR EROSION CONTROL NOTES)
(REFER TO SHEET C-3 & C-3a FOR EROSION CONTROL DETAILS

Legend

SYMBOLS

- HANDICAP PARKING SPACE
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- EXISTING SIGN
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- EXISTING UTILITY MANHOLE
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- PROPOSED SPOT ELEVATION
- PROPOSED CURB ELEVATION — T.C. 100.00 / B.C. 100.00 — TOP OF CURB / BOTTOM OF CURB
- PROPOSED SLOPE ARROW

LINE TYPES

- EXISTING STORM LINE
- PROPOSED STORM LINE
- EXISTING SANITARY SEWER LINE
- PROPOSED SANITARY SEWER LINE
- PROPOSED CONCRETE SIDEWALKS
- EXISTING EDGE OF PAVEMENT
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- EXISTING BULKHEAD
- PROPOSED BULKHEAD
- PROPOSED RETAINING WALL
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ABBREVIATIONS

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B.W.	BOTTOM OF WALL
T.C.	TOP OF CURB
BC	BOTTOM OF CURB
BK.C	BACK OF CURB
FC	FACE OF CURB
(TYP.)	TYPICAL
C. PT	CENTER POINT
R	RADIUS
E.P.	EDGE OF PAVEMENT
M.H.	MANHOLE
D.I.	DROP INLET
L.P.	LIGHT POLE
E.O.P.	EDGE OF PAVEMENT
E.O.B.	EDGE OF BUILDING
R.W. #1	RETAINING WALL #1 (SEE DRAWING C-18 FOR PROFILES OF RETAINING WALLS)

MAGNETIC NORTH

0 10' 20' 40' 60' 80'

SCALE: 1" = 20'

ADDENDUM #1 11/19/96

ALL CONSTRUCTION ACTIVITY SHALL CONFORM TO THE MINIMUM REQUIRMENTS AS PER PROMULGATED BY CURRENT O.S.H.A. STANDARDS.

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REVISION DATE	NO.	ISSUE
11/19/96	1	ADDENDUM NO. 1

JAMES R. HALL LICENSED 13595 KANSAS PROFESSIONAL ENGINEER

SCE
SOUTHERN CIVIL ENGINEERS, INC.
1708 PEACHTREE STREET - SUITE 405
ATLANTA, GEORGIA - 30309
(404) 874-7690

PROJECT DESCRIPTION
EAST BANK / WATER WALK DEVELOPMENT
WICHITA, KANSAS

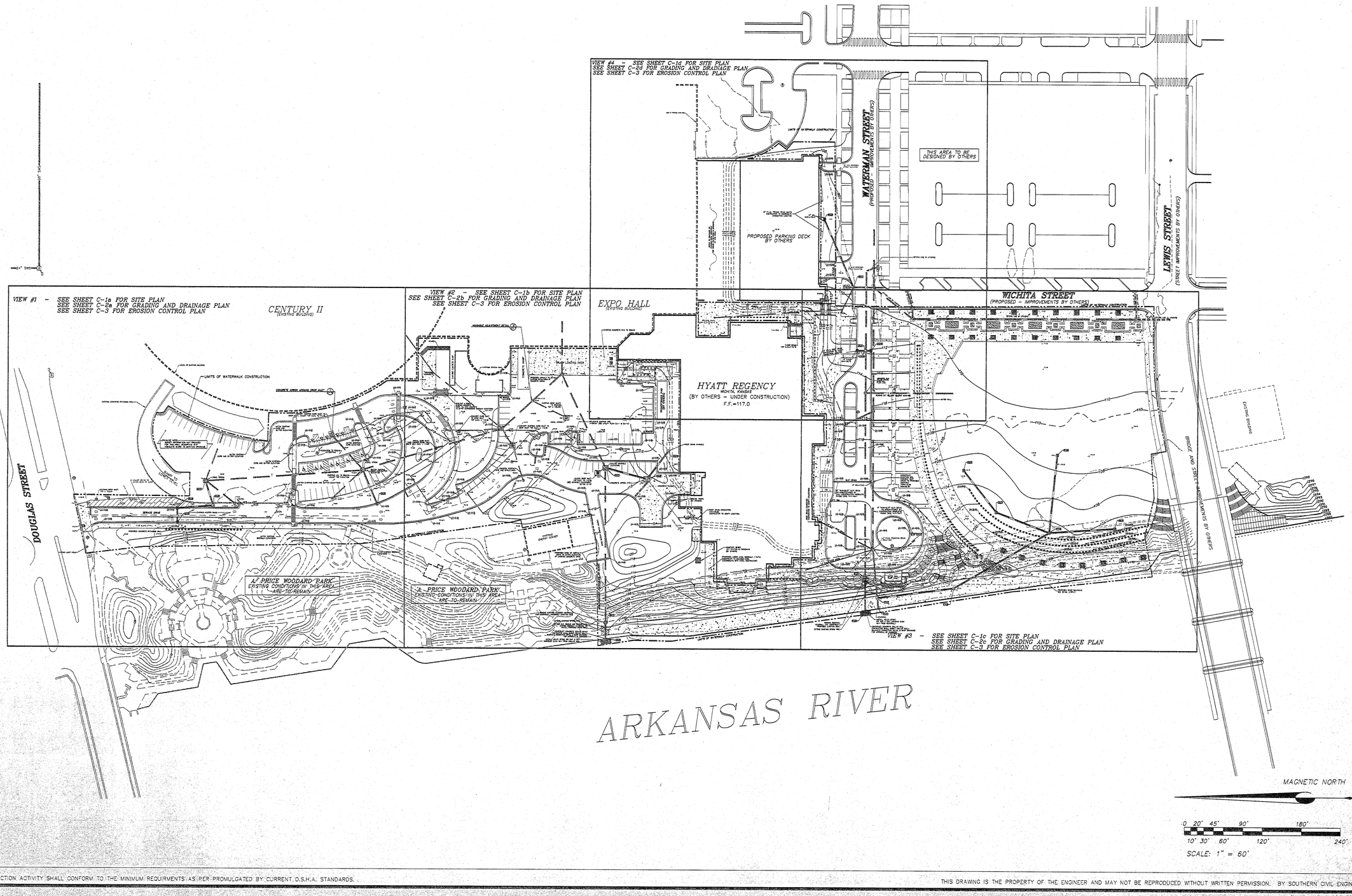
DESIGNED: FVP
DRAWN: RT
CHECKED: JRH
DATE: 10/30/1996
PROJ. NO: 95075
SHEET TITLE
SITE PLAN (VIEW #2)
DRAWING NO.
C-1d
(VIEW 2 OF 4)

General Notes

(REFER TO SHEET CN-1 FOR GENERAL NOTES)

Erosion Control Notes

(REFER TO SHEET CN-1 FOR MORE EROSION CONTROL NOTES)
(REFER TO SHEET C-3 AND C-3a FOR EROSION CONTROL DETAILS)



REVISION	DATE	NO.	ISSUE

SCE
SOUTHERN CIVIL ENGINEERS, INC.
1708 PEACHTREE STREET - SUITE 405
ATLANTA, GEORGIA 30309
(404) 874-7890

PROJECT DESCRIPTION
EAST BANK / WATER WALK
DEVELOPMENT
WICHITA, KANSAS

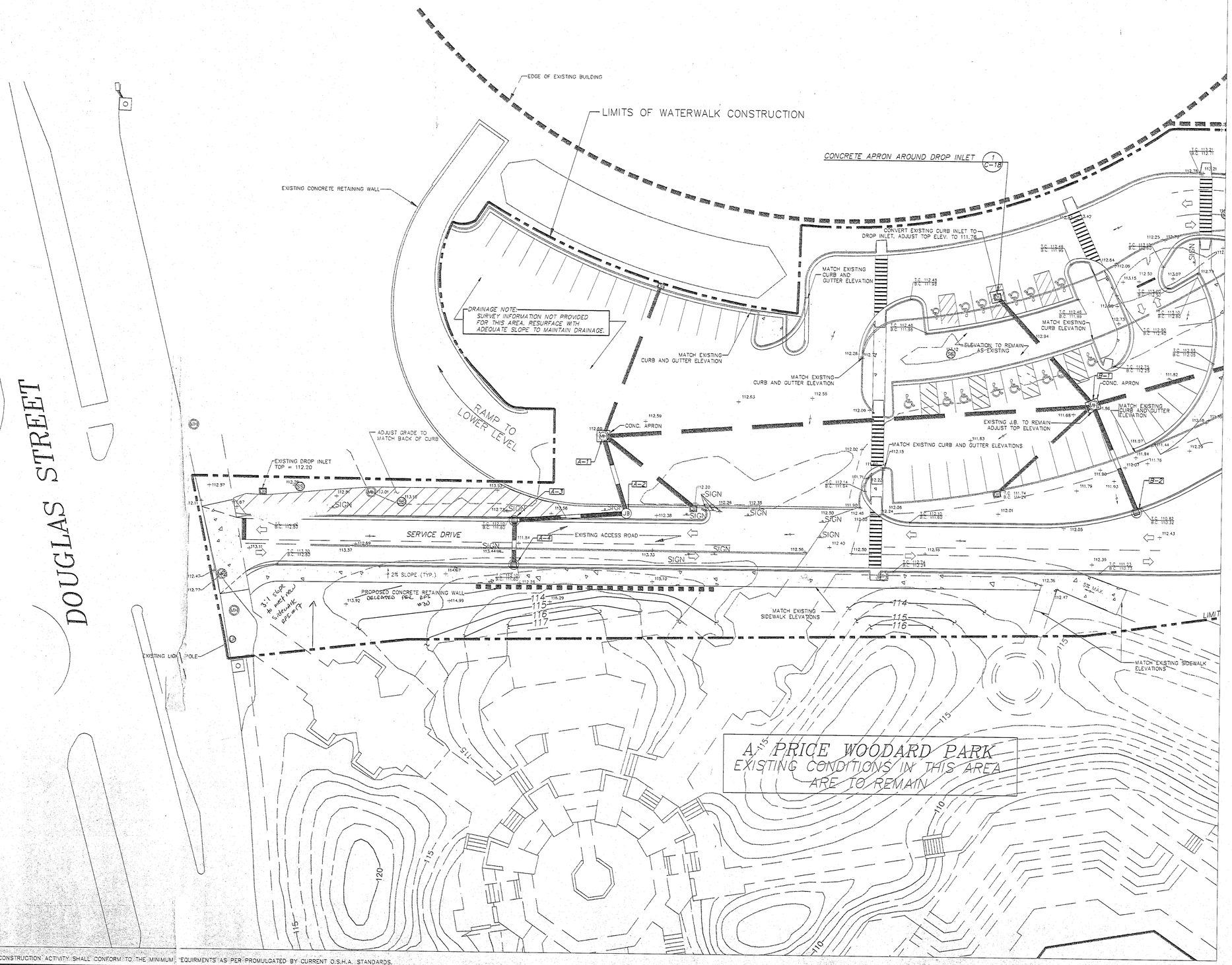
DESIGNED:	JRH
DRAWN:	RT
CHECKED:	FVP
DATE:	10/30/1996
PROJ. NO.	95075
SHEET TITLE:	GRADING & DRAINAGE PLAN
DRAWING NO.	C-2

ALL CONSTRUCTION ACTIVITY SHALL CONFORM TO THE MINIMUM REQUIRMENTS AS PER PROMULGATED BY CURRENT O.S.H.A. STANDARDS.

THIS DRAWING IS THE PROPERTY OF THE ENGINEER AND MAY NOT BE REPRODUCED WITHOUT WRITTEN PERMISSION. BY SOUTHERN CIVIL ENGINEERS, INC.

VIEW #1 – SEE SHEET C-1a FOR SITE PLAN
SEE SHEET C-2a FOR GRADING AND DRAINAGE PLAN
SEE SHEET C-3 FOR EROSION CONTROL PLAN

CENTURY II
(EXISTING BUILDING)



General Notes

CONTRACTOR SHALL ADJUST EXISTING MANHOLE TOP ELEVATIONS TO FINAL GRADE.
(REFER TO SHEET CN-1 FOR GENERAL NOTES)

Erosion Control Notes

(REFER TO SHEET CN-1 FOR EROSION CONTROL NOTES)

Legend

SYMBOLS

- HANDICAP PARKING SPACE
- TRAFFIC FLOW ARROW
- EXISTING SIGN
- PROPOSED STOP SIGN
- EXISTING UTILITY MANHOLE
- EXISTING STORM SYSTEM MANHOLE
- EXISTING STORM SYSTEM INLET STRUCTURE
- PROPOSED STORM SYSTEM MANHOLE
- PROPOSED STORM SYSTEM DROP INLET (CURB TYPE)
- PROPOSED STORM SYSTEM DROP INLET
- EXISTING SANITARY SEWER MANHOLE
- PROPOSED SANITARY SEWER MANHOLE
- EXISTING LIGHT POLE
- PROPOSED FIRE HYDRANT
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- PROPOSED CURB ELEVATION (T.C. 100.00 / B.C. 100.00) — TOP OF CURB / BOTTOM OF CURB
- PROPOSED SLOPE ARROW

LINE TYPES

- EXISTING STORM LINE
- PROPOSED STORM LINE
- EXISTING SANITARY SEWER LINE
- PROPOSED SANITARY SEWER LINE
- PROPOSED CONCRETE SIDEWALKS
- EXISTING EDGE OF PAVEMENT
- PROPOSED CURB AND GUTTER
- EXISTING BULKHEAD
- PROPOSED BULKHEAD
- PROPOSED RETAINING WALL
- LIMITS OF CONSTRUCTION

ABBREVIATIONS

T.W.	TOP OF WALL
B.W.	BOTTOM OF WALL
T.C.	TOP OF CURB
BC	BOTTOM OF CURB
BK.C	BACK OF CURB
FC	FACE OF CURB
(TYP.)	TYPICAL
C. PT	CENTER POINT
R	RADIUS
E.P.	EDGE OF PAVEMENT
M.H.	MANHOLE
D.I.	DROP INLET
L.P.	LIGHT POLE
E.O.P.	EDGE OF PAVEMENT
E.O.B.	EDGE OF BUILDING

MAGNETIC NORTH

0 10' 20' 40' 60' 80'

SCALE: 1" = 20'

REVISION DATE	NO.	ISSUE

SCE
SOUTHERN CIVIL ENGINEERS, INC.
1706 PEACHTREE STREET - SUITE 105
ATLANTA, GEORGIA - 30309
(404) 874-7890

PROJECT DESCRIPTION
EAST BANK / WATER WALK DEVELOPMENT
WICHITA, KANSAS

DESIGNED:	FVP
DRAWN:	RT
CHECKED:	JRH
DATE:	10/30/1996
PROJ NO.	95075
SHEET TITLE	GRADING & DRAINAGE (VIEW #1)
DRAWING NO.	C-2a

ALL CONSTRUCTION ACTIVITY SHALL CONFORM TO THE MINIMUM REQUIRMENTS AS PER PROMULGATED BY CURRENT O.S.H.A. STANDARDS.

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VIEW #1 – SEE SHEET C-1a FOR SITE PLAN
SEE SHEET C-2a FOR GRADING AND DRAINAGE PLAN
SEE SHEET C-3 FOR EROSION CONTROL PLAN

CENTURY II
(EXISTING BUILDING)

EDGE OF EXISTING BUILDING

DOUGLAS STREET

EXISTING LIGHT POLE

LEGEND:

112.84TC / 112.84FL — PROPOSED SPOT ELEVATION @ TOP OF CURB / PROPOSED SPOT ELEVATION @ FLOW LINE OF CURB

112.88P / 112.88E — PROPOSED SPOT ELEVATION / EXISTING SPOT ELEVATION

N

0' 10' 20' 1"=20'-0"

RAMP TO LOWER LEVEL

CONVERT TO DROP INLET STORM SEWER MANHOLE T. E. = 114.86

TRANSITION TO 6" TALL CURB IN 6'

MATCH EXIST. ELEVATION

EDGE OF EXISTING PAVEMENT TO BE OVERLAYED.

CURB INLET

MATCH EXISTING ELEVATIONS

70' TRANSITION FROM NEW EDGE OF ROAD TO EXISTING TAKING FOR NEW ROAD ALIGNMENT

C. OF EXIST. MH

SIGN

LIMIT

EXISTING SIDEWALK

RECEIVED
FEB 2 5 1997
Wichita City Planning Dept.

ALL CONSTRUCTION ACTIVITY SHALL CONFORM TO THE MINIMUM R...

...WORK AND MAY NOT BE REPRODUCED WITHOUT WRITTEN PERMISSION. BY SOUTHERN CIVIL ENGINEERS, INC.

General Notes

CONTRACTOR SHALL ADJUST EXISTING MANHOLE TOP ELEVATIONS TO FINAL GRADE.
(REFER TO SHEET CN-1 FOR GENERAL NOTES)

Erosion Control Notes

(REFER TO SHEET CN-1 FOR EROSION CONTROL NOTES)

Legend

SYMBOLS

	HANDICAP PARKING SPACE
	TRAFFIC FLOW ARROW
	EXISTING SIGN
	PROPOSED STOP SIGN
MH K.G.E.	EXISTING UTILITY MANHOLE
MH	EXISTING STORM SYSTEM MANHOLE
NI	EXISTING STORM SYSTEM INLET STRUCTURE
JB	PROPOSED STORM SYSTEM MANHOLE
	PROPOSED STORM SYSTEM DROP INLET (CURB TYPE)
	PROPOSED STORM SYSTEM DROP INLET
SS	EXISTING SANITARY SEWER MANHOLE
SS	PROPOSED SANITARY SEWER MANHOLE
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T.C. 100.00 / B.C. 100.00	PROPOSED CURB ELEVATION — TOP OF CURB / BOTTOM OF CURB
	PROPOSED SLOPE ARROW

LINE TYPES

	EXISTING STORM LINE
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SS	PROPOSED SANITARY SEWER LINE
	PROPOSED CONCRETE SIDEWALKS
	EXISTING EDGE OF PAVEMENT
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	PROPOSED BULKHEAD
	PROPOSED RETAINING WALL
	LIMITS OF CONSTRUCTION

ABBREVIATIONS

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B.W.	BOTTOM OF WALL
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C. PT	CENTER POINT
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D.I.	DROP INLET
L.P.	LIGHT POLE
E.O.P.	EDGE OF PAVEMENT
E.O.B.	EDGE OF BUILDING

MAGNETIC NORTH

0 10' 20' 40' 60' 80'

SCALE: 1" = 20'

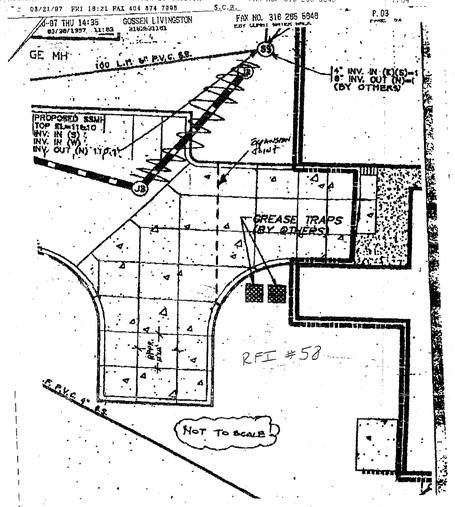
REVISION	DATE	NO.	ISSUE

SCE
SOUTHERN CIVIL ENGINEERS, INC.
1708 PEACHTREE STREET - SUITE 405
ATLANTA, GEORGIA - 30309
(404) 874-7880

PROJECT DESCRIPTION
EAST BANK / WATER WALK
DEVELOPMENT
WICHITA, KANSAS

DESIGNED:	FVP
DRAWN:	RT
CHECKED:	JRH
DATE:	10/30/1996
PROJ NO.	95075
SHEET TITLE	GRADING & DRAINAGE (VIEW #1)
DRAWING NO.	C-2a

RFI # 58
EXPANSION EVERY 100' JOINT REQUIRED



Information, Clarification, Interpretation is requested:

Please see the attached jointing plan for concrete paving at the dock and trash enclosure pad area. In addition, we propose to place the curb monolithically w/ the paving. Is this acceptable?

Requested By Jason M. Gibbs, Project Engineer JG Date 3-20

Response Needed 3-21 asap.

Response to Information Requested:

The attached jointing plan has been reviewed and is acceptable with ~~some~~ the following revisions. As indicated in Detail 1, Drawing C-18, Concrete Paving Detail, "expansion joints shall be located at a minimum of every 100 feet." The distance from corner to corner of the slab is greater than 100 feet, therefore, install an expansion joint in the location shown on the attached plan. In addition, pouring a monolithic slab is acceptable if control joints are continued through the curb.

Response By [signature] Date 3/24/97

Copy To

VIEW #2 – SEE SHEET C-1b FOR SITE PLAN
SEE SHEET C-2b FOR GRADING AND DRAINAGE PLAN
SEE SHEET C-3 FOR EROSION CONTROL PLAN

EXPO HALL
(EXISTING BUILDING)

MANHOLE ADJUSTMENT DETAIL 9/C-7

DISTRIBUTE: ED BILL JASON ERIC MATT SR&B RITCHIE PEARSON

EXISTING CONCRETE PAD TO REMAIN

STAIRS

PROPOSED CONCRETE

SAW-CUT & REMOVE EXISTING CONCRETE RAMP. FILL WITH CONCRETE TO MATCH SURROUNDING SIDEWALK ELEVATIONS.

CONVERT CURB INLET TO DROP INLET TOP ELEV. = 112.30

INSTALL CURB INLET OVER EXISTING STORM LINE GRATE INLET ELEV. = 111.60

ABANDON EXISTING PIPE AND STRUCTURES

SEE C-1b

R.W. #3 R.W. #2

SPK

P.I.V.

C.O.

KGE-UGE-DEAD LINE

KGE MH

1 GRE-UGE

12" AC WATER

Revised Island Location. Existing Hydrant to Remain at Present Location

EXISTING 12" WATER MAIN

TRANSFORMER PAD (BY OTHERS)

10 SPACES

8 SPACES

4"KGE-UGG

4"APK-A

SAN

S.S.M.H. (SEE DRAWING C-1b)

RFI

T.O.M.

15" PVC SAN (@1.00%)

JB

CONCRETE APRON (TYP.)

HEAVY DUTY PAVING

CONCRETE PAVING

GREASE TRAPS (BY OTHERS)

ROOF DRAIN CONNECTOR CONTRACTOR TO VERIFY LOCATION. (MIN) INV. ELEV. = 114.0 (BY OTHERS)

188 L.F. 10" PVC SANITARY ROOF DRAIN (BY OTHERS)

25 L.F.

EMERG. CENTER ACCESS ROAD

PROPOSED EDGE OF ASPHALT DRIVE TO MATCH ELEVATION OF EXISTING CONCRETE DRIVE

A. PRICE WOODARD PARK
EXISTING CONDITIONS IN THIS AREA ARE TO REMAIN

LIMITS OF WATERWALK CONSTRUCTION

SANITARY SEWER LIFT STATION & FORCEMAIN (BY OTHERS)

PROPOSED LOWER LEVEL SIDEWALK / PATIO CONSTRUCT TO BUILDING EDGE (COORDINATE WITH HOTEL CONTRACTOR)

ROOF DRAIN CONNECTOR CONTRACTOR TO VERIFY CONNECTION MIN. INV. ELEV.=109.3 (BY OTHERS)

R.W. #4 R.W. #7 R.W. #5 R.W. #6

FLOOR DRAIN TOP ELEV.=116.35
6" FLOOR DRAIN
T.W.=120.5
T.O.F. ELEV. 115.25
RAMP 4.2% SLOPE
195 L.F. 18" RCP
24" P.V.C.
FLOOR DRAIN TOP ELEV.=116.75

E.O.B. EDGE OF B
R.W. #1 RETAINING (SEE DRAW

Existing 12" Retaining Wall
RW#6 to Remain
RW #7 to Remain
DELETE APPROXIMATELY 16' OF RW #6.
DELETE Retaining Wall #5
RW #6
Existing 12" RCP
Pour RW#6 up Against Existing 12" RCP

SCALE: 1" = 20'

THIS DRAWING IS THE PROPERTY OF THE ENGINEER AND MAY NOT BE REPRODUCED WITHOUT WRITTEN PERMISS

General Notes

CONTRACTOR SHALL ADJUST EXISTING MANHOLE TOP ELEVATIONS TO FINAL GRADE.

Erosion Control Notes

(REFER TO SHEET CN-1 FOR EROSION CONTROL NOTES)

Legend

SYMBOLS

- HANDICAP PARKING SPACE
- TRAFFIC FLOW ARROW
- EXISTING SIGN
- PROPOSED STOP SIGN
- EXISTING UTILITY MANHOLE
- STORM SYSTEM MANHOLE
- STORM SYSTEM INLET STRUCTURE
- D STORM SYSTEM MANHOLE
- D STORM SYSTEM DROP INLET (CURB TYPE)
- D STORM SYSTEM DROP INLET
- SANITARY SEWER MANHOLE
- D SANITARY SEWER MANHOLE
- LIGHT POLE
- D FIRE HYDRANT
- SPOT ELEVATION
- D SPOT ELEVATION
- D CURB ELEVATION — TOP OF CURB / BOTTOM OF CURB
- D SLOPE ARROW
- STORM LINE
- D STORM LINE
- SANITARY SEWER LINE
- D SANITARY SEWER LINE
- D CONCRETE SIDEWALKS
- EDGE OF PAVEMENT
- D CURB AND GUTTER
- BULKHEAD
- D BULKHEAD
- PROPOSED RETAINING WALL
- LIMITS OF CONSTRUCTION

ABBREVIATIONS

T.W.	TOP OF WALL
B.W.	BOTTOM OF WALL
T.C.	TOP OF CURB
BC	BOTTOM OF CURB
BK.C	BACK OF CURB
FC	FACE OF CURB
(TYP.)	TYPICAL
C. PT	CENTER POINT
R	RADIUS
E.P.	EDGE OF PAVEMENT
M.H.	MANHOLE
D.I.	DROP INLET
L.P.	LIGHT POLE
E.O.P.	EDGE OF PAVEMENT
E.O.B.	EDGE OF BUILDING
R.W. #1	RETAINING WALL #1 (SEE DRAWING C-18 FOR PROFILES OF RETAINING WALLS)

MAGNETIC NORTH

0 10' 20' 40' 80'

SCALE: 1" = 20'

ADDENDUM #1 11/19/96

THIS DRAWING IS THE PROPERTY OF THE ENGINEER AND MAY NOT BE REPRODUCED WITHOUT WRITTEN PERMISSION. BY SOUTHERN CIVIL ENGINEERS, INC.

ALL CONSTRUCTION ACTIVITY SHALL CONFORM TO THE MINIMUM REQUIRMENTS AS PER PROMULGATED BY CURRENT, O.S.H.A. STANDARDS.

REVISION DATE	NO.	ISSUE
11/19/96	1	ADDENDUM NO. 1

JAMES R. HAMILTON LICENSED 13595 KANSAS PROFESSIONAL ENGINEER

SCE
SOUTHERN CIVIL ENGINEERS, INC.
1700 PEACHTREE STREET - SUITE 465
ATLANTA, GEORGIA - 30309
(404) 874-7890

PROJECT DESCRIPTION
EAST BANK / WATER WALK DEVELOPMENT
WICHITA, KANSAS

DESIGNED: FVP
DRAWN: RT
CHECKED: JRH
DATE: 10/30/1996
PROJ NO: 95075
SHEET TITLE:
GRADING & DRAINAGE PLAN

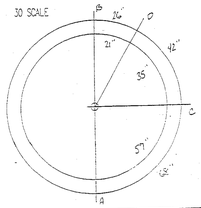
DRAWING NO.
C-2b
(VIEW 2 OF 4)

CUSTOMER EBY CONSTR.
WATER WALK

CITY WICHITA
WICHITA

MH # EWW-15-S.
2nd in series / in EMH sys.
72" MANHOLE

30 SCALE



TOP ELEV. 115.65
FLOW LINE 96.59
INVERT 92 - 33
DIFF. 26.91
26' - 00"

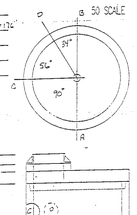
FLAT TOP 10"
ADJ. RING 12"
C.I. RING 8"
DIFF. 1'-06"

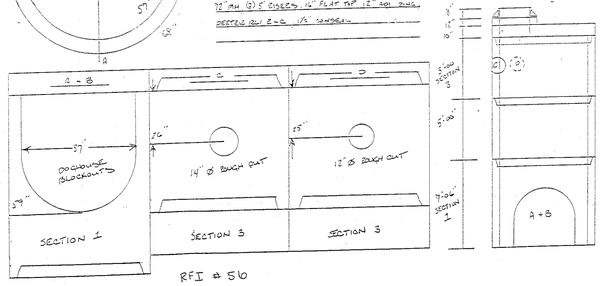
DROP F.L. a) RECEIVE 96.59 x 30"
b) 8" SAN DRAIN 98.00 x 176'
c) 6" 100.00 x 175'

7'6" RISER 7'-06"
4' RISER
5' RISER 12'-00"
VAR:

72" MH (2) 5' RISERS, 16" FLAT TOP, 12" ADJ. RING,
PEEPER (2), E-2, 1½" CAMLOCK

30 SCALE



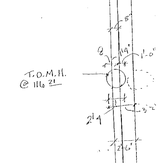


RFI # 56

MARTIN K. EBY CONSTRUCTION CO., INC.

JOB NO. 22100
PROJECT: Water Walk
BY ENR CKD
LOCATION: Wichita, KS
DATE 7-1-97 SHEET NO. ___ OF ___

RFI # 100.



175 LF +2" @ 0.40% = 176.35

HYATT EAST ENTRANCE

NOTE: Top of manhole is @ the design elevation for top of curb.

JS (12-90)

RFI # 56

72" Ø I.D. PRECAST M.H.

7"

GROUT FILL INVERT & ANNULAR SPACE BETWEEN PIPE & BLOCK-OUT

EMBED MH RING IN ZACK

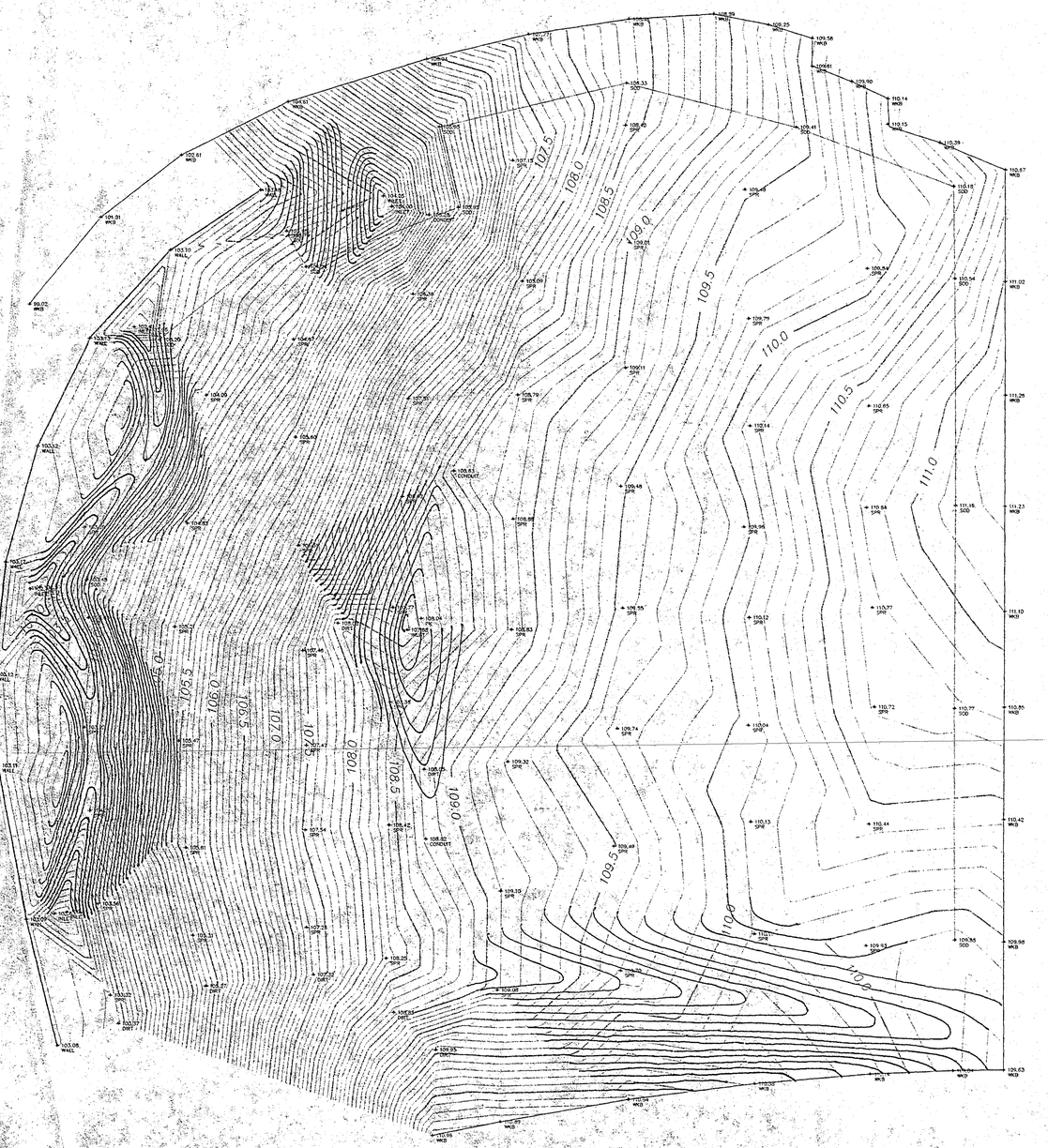
9'-0"

(5") 8'x8' CONC. BASE

#4 @ 3'-3" O.C. EACHWAY

MARTIN K. EBY CONSTRUCTION CO., INC.

PROJECT:
LOCATION:
JOB NO.
BY
CKD.
DATE
SHEET NO. OF



SCALE 1" = 20'
CONTOUR INTERVAL @ .1'
WICHITA WATER WALK
9/4/97

72,945

MARTIN K. EBY CONST CO, INC
SEP 5
RECEIVED

ICHITA STRE

(PI OSED – IMPROVEMENTS

(STORM LINE BY OTHERS)

MARTIN K. EBY CONSTRUCTION CO., INC.

PROJECT: WICHITA MATERIAL K

LOCATION: SEWER LINE 'C'

JOB NO. 72100

BY M.H. CKD.

DATE 4/24/97 SHEET NO. OF

NOT TO SCALE

RFI #71

G-3

G-2

SEWER LINE

30" DUCTILE IRON RETURN LINE

J-5 (3/96)

General Notes

CONTRACTOR SHALL ADJUST EXISTING MANHOLE TOP ELEVATIONS TO FINAL GRADE.
(REFER TO SHEET CN-1 FOR GENERAL NOTES)

Erosion Control Notes

(REFER TO SHEET CN-1 FOR EROSION CONTROL NOTES)

Legend

SYMBOLS

- HANDICAP PARKING SPACE
- TRAFFIC FLOW ARROW
- EXISTING SIGN
- PROPOSED STOP SIGN
- EXISTING UTILITY MANHOLE
- EXISTING STORM SYSTEM MANHOLE
- EXISTING STORM SYSTEM INLET STRUCTURE
- JB — PROPOSED STORM SYSTEM MANHOLE
- PROPOSED STORM SYSTEM DROP INLET (CURB TYPE)
- PROPOSED STORM SYSTEM DROP INLET
- EXISTING SANITARY SEWER MANHOLE
- SS — PROPOSED SANITARY SEWER MANHOLE
- EXISTING LIGHT POLE
- PROPOSED FIRE HYDRANT
- EXISTING SPOT ELEVATION
- 100.00 — PROPOSED SPOT ELEVATION
- T.C. 100.00 / B.C. 100.00 — PROPOSED CURB ELEVATION (TOP OF CURB / BOTTOM OF CURB)
- PROPOSED SLOPE ARROW

LINE TYPES

- EXISTING STORM LINE
- PROPOSED STORM LINE
- EXISTING SANITARY SEWER LINE
- SS — PROPOSED SANITARY SEWER LINE
- PROPOSED CONCRETE SIDEWALKS
- EXISTING EDGE OF PAVEMENT
- PROPOSED CURB AND GUTTER
- EXISTING BULKHEAD
- PROPOSED BULKHEAD
- PROPOSED RETAINING WALL
- LIMITS OF CONSTRUCTION

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B.W.	BOTTOM OF WALL
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E.P.	EDGE OF PAVEMENT
M.H.	MANHOLE
D.I.	DROP INLET
L.P.	LIGHT POLE
E.O.P.	EDGE OF PAVEMENT
E.O.B.	EDGE OF BUILDING

STAIRS

10" P.V.C. INV=108.70

88 L.F. 10" P.V.C. ROOF DRAIN (BY OTHERS)

ABANDON M.H. BELOW GRADE MAINTAIN FLOW LINE

RFI #9

REMOVE 24" SW PIPE BEYOND MANHOLE

8"SS ACTUAL LOCATION

WATER WALL

EXIST. MH COVER = 114.40

85 L.F. 6" P.V.C. ROOF DRAIN (BY OTHERS)

SLOT DRAIN

8" INV.=110.0

8" "DURASLOT" SLOT DRAIN AS MANUFACTURED BY HALL CONSTRUCTION PRODUCTS PHONE (518) 747-7047

CONSTRUCT JUNCTION BOX CONNECT SLOT DRAIN TO PROPOSED MANHOLE TOP=115.65 INV=96.39

ROOF DRAIN CONNECTOR CONTRACTOR TO VERIFY CONNECTION MIN. INV. ELEV.=109.10

55 L.F. 8" P.V.C. ROOF DRAIN (BY OTHERS)

8" INV.=108.0

8" P.V.C. ROOF DRAIN (BY OTHERS)

12" INV.=108.0

105 L.F.

FOUNTAIN DRAIN (SEE DRAWING C-2)

4" P.V.C. FOUNTAIN DRAIN INV.=110.0

8" P.V.C. DRAIN PIPE

WATER WALL PUMP VAULT TOP ELEV.=116.00

PUMP VAULT DRAIN (SEE DRAWING C-3)

8" P.V.C. PUMP VAULT DRAIN

REMOVE EXISTING HEADWALL AND CONSTRUCT PROPOSED JUNCTION BOX EXTEND EXISTING STORM PIPE

INSTALL HEAVY STONE RIP RAP 8 FEET (MINIMUM EACH WAY FROM HEADWALL)

CONSTRUCT CONCRETE COLLAR WALL (SEE DRAWING C-18 FOR COLLAR WALL DETAIL)

8" PIPE PENETRATION THROUGH BULKHEAD INV. OUT ELEV.=93.5

RFI #9
TOP OF HAUNCH BRACKET NORTH & SOUTH ELEV. = 97'0"

PROPOSED RIVER BULKHEAD SEE DETAIL 3/SP-3

INSTALL HEAVY STONE RIP RAP 8 FEET (MINIMUM EACH WAY FROM HEADWALL)

CONSTRUCT CONCRETE COLLAR WALL (SEE DRAWING C-18 FOR COLLAR WALL DETAIL)

PROPOSED RIVER BULKHEAD. INSTALLATION SHALL BE AT EXISTING EDGE OF RIVER. CONTRACTOR SHALL VERIFY LOCATION PRIOR TO INSTALLATION.

SEAT WALL (SP-6 FOR DIMENSIONS & DETAIL)

BRIDGE AND STREET

MAGNETIC NORTH

0 10' 20' 40' 60' 80'

SCALE: 1" = 20'

VIEW #3 – SEE SHEET C-1c FOR SITE PLAN
SEE SHEET C-2c FOR GRADING AND DRAINAGE PLAN
SEE SHEET C-3 FOR EROSION CONTROL PLAN

ADDENDUM #1 11/20/96

REVISION DATE	NO.	ISSUE
11/19/96	1	ADDENDUM NO. 1

JAMES R. HAMILTON LICENSED 13595 KANSAS PROFESSIONAL ENGINEER

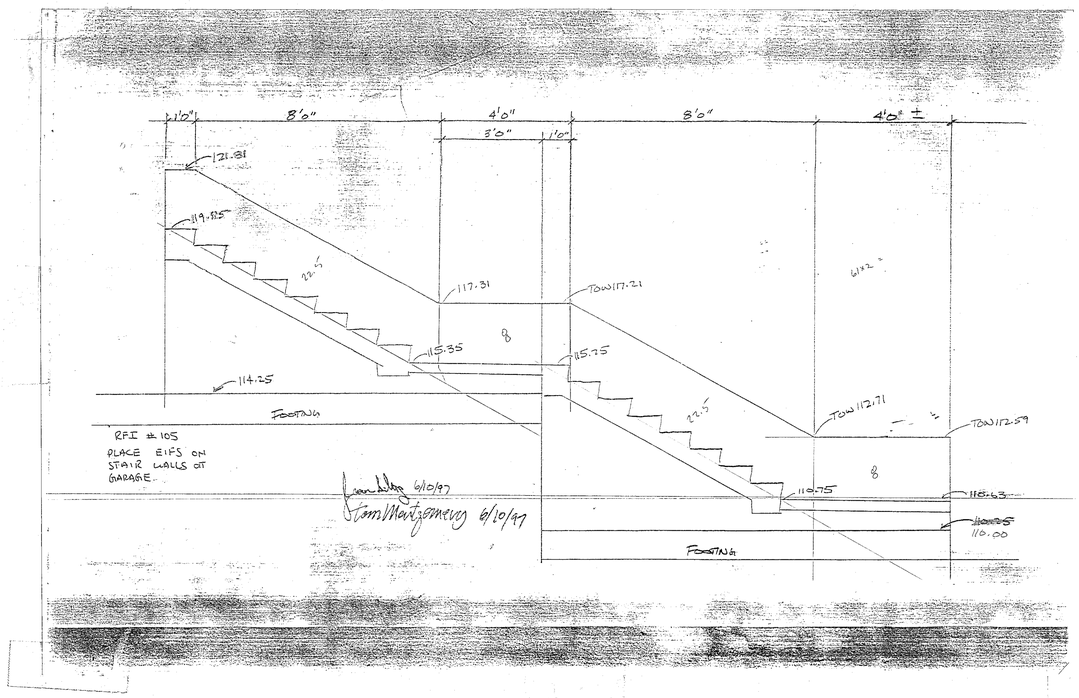
SCE
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(404) 874-7090

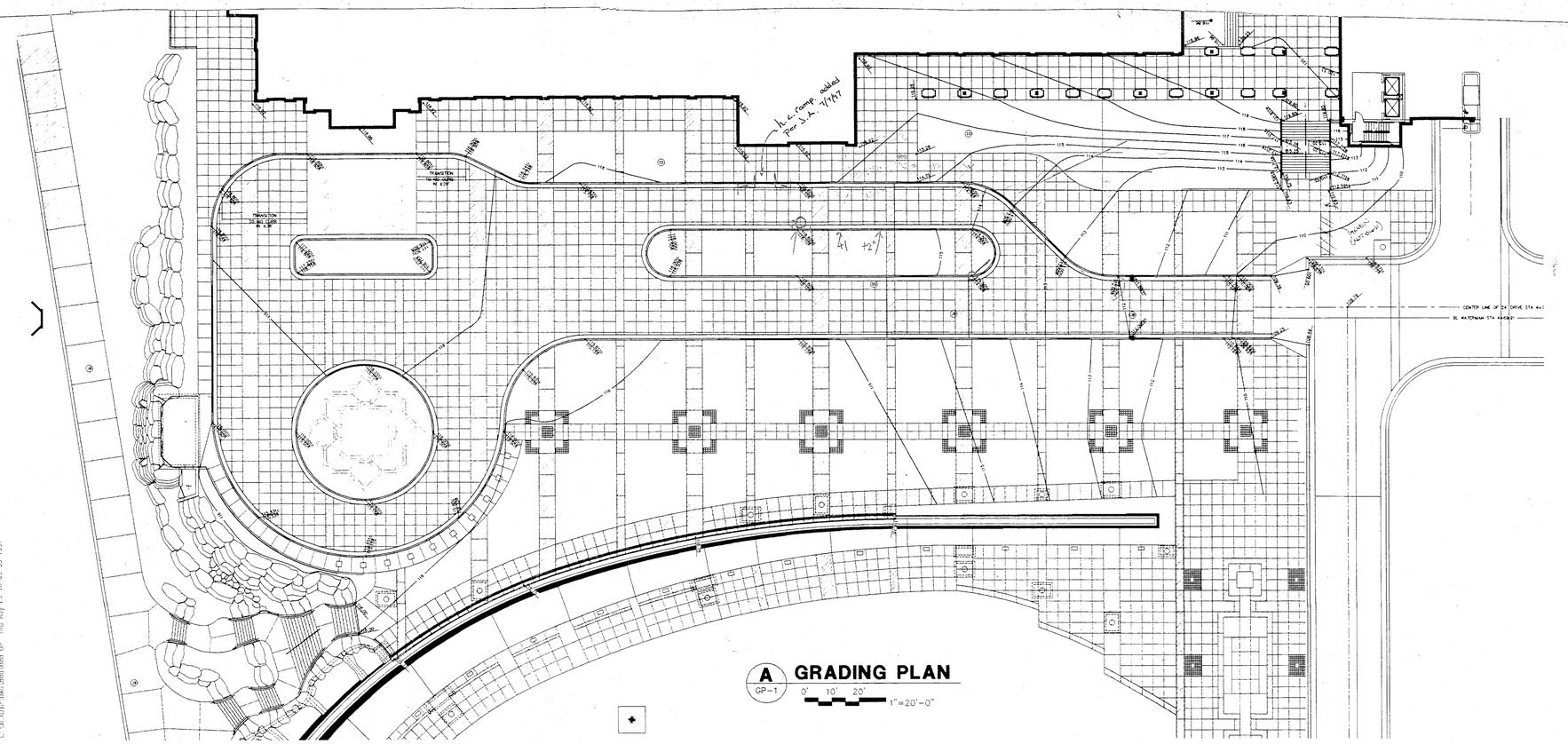
PROJECT DESCRIPTION
EAST BANK / WATER WALK DEVELOPMENT
WICHITA, KANSAS

DESIGNED: FVP
DRAWN: RT
CHECKED: JRH
DATE: 10/30/1996
PROJ. NO. 95075
SHEET TITLE
GRADING & DRAINAGE PLAN (VIEW #3)
DRAWING NO.
C-2c
(VIEW 3 OF 4)

ALL CONSTRUCTION ACTIVITY SHALL CONFORM TO THE MINIMUM REQUIRMENTS AS PER PROMULGATED BY CURRENT O.S.H.A. STANDARDS.

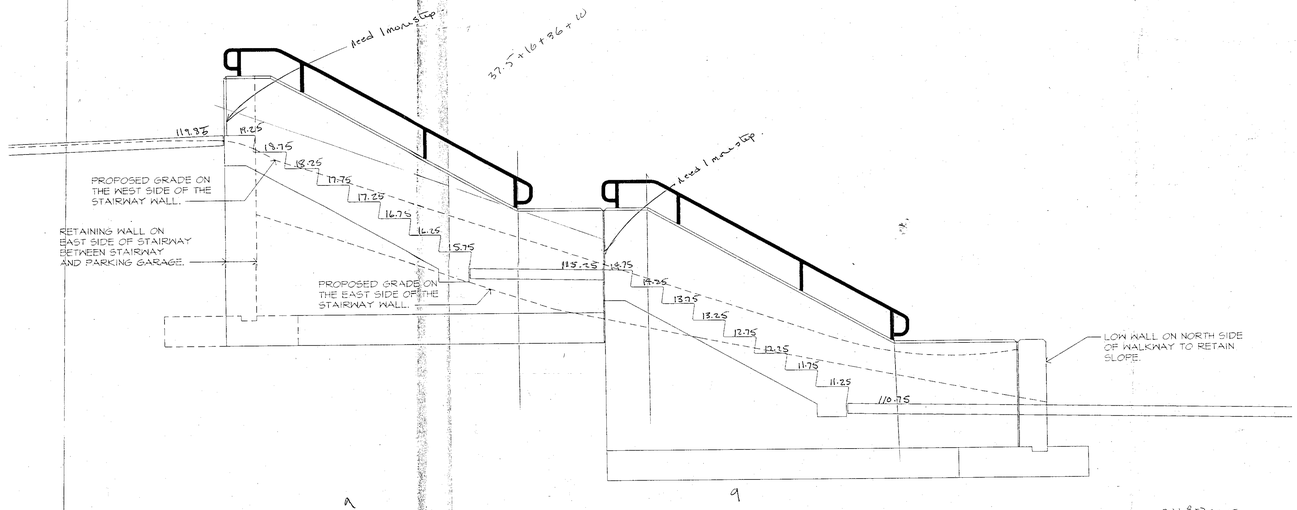
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1'0"
8'0"
4'0"
3'0"
1'0"
8'0"
4'0" ±
121.81
119.875
117.31
TOW 117.21
115.35
115.75
114.25
FOOTING
TOW 112.71
TOW 112.59
110.75
110.63
110.00
FOOTING
RFI # 105
PLACE EIFS ON
STAIR WALLS OF
GARAGE.
6/10/97
6/10/97



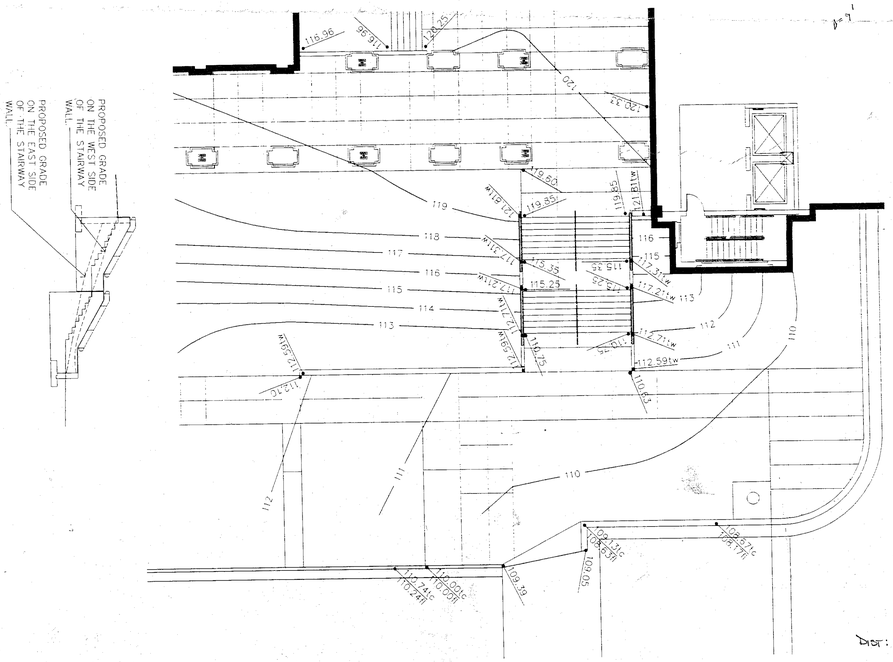
A GP-1 **GRADING PLAN**

0' 10' 20' 1"=20'-0"



A **SECTION THRU STAIRWAY**

0' 1' 2' 3' 1/2"=1'-0"



B GP-1 **GRADING PLAN OF STAIRWAY AREA**

0' 5' 10' 1"=10'-0"

DIST: CHELLEY LOPEZ PEARSON SRB FILES. 5 BILL ASSOCIATES CARLE MATT

RECEIVED
MAY 30 1997

C:\ACAD12\DWG\BBB\BBB GP Thu May 29 15:15:15 1997

HYATT REGENCY
WICHITA, KANSAS
(BY OTHERS – UNDER CONSTRUCTION)
F.F.=117.0

N3109.82
E-307.71

N3204.08
E-379.01

N3141.29
E-379.01

N3140.43
E-466.38

N3179.35
E-524.95

N2763.74
E-163.72

N2700.07
E-163.72

N2636.07
E-163.72

N2572.07
E-163.72

N2508.07
E-163.72

N2444.05
E-163.72

N2380.07
E-163.72

N2636.07
E-191.72

N2572.07
E-191.72

N2508.07
E-191.72

N2444.05
E-191.72

N2380.07
E-191.72

N2620.07
E-226.72

N2428.07
E-226.72

N2801.08
E-205.18

N2801.08
E-276.51

N2801.08
E-310.41

N2801.08
E-356.26

N2801.08
E-384.43

LAWN BOXES
TYPICAL FOUR
LOCATIONS.

N2620.07
E-379.75

N2428.07
E-379.75

RFI #34
LAWN BOX COORDINATES

2552.16
N2447.80
E-543.18
- 532.89

N2433.09
E-547.14

N2495.39
E-548.21

N2371.08
E-539.83

N3183.36
E-643.15

N3123.36
E-643.69

N3063.36
E-640.79

N3003.36
E-630.88

N2943.36
E-621.53

N2883.36
E-612.18

N2823.42
E-603.04

N2763.42
E-593.49

N2703.42
E-584.14

RFI #85
LIGHT POLE BASE COORDINATES

DISTR.: FILE: 2.5
BILL
JASON
ERIC
MATT
SHELBY
REB

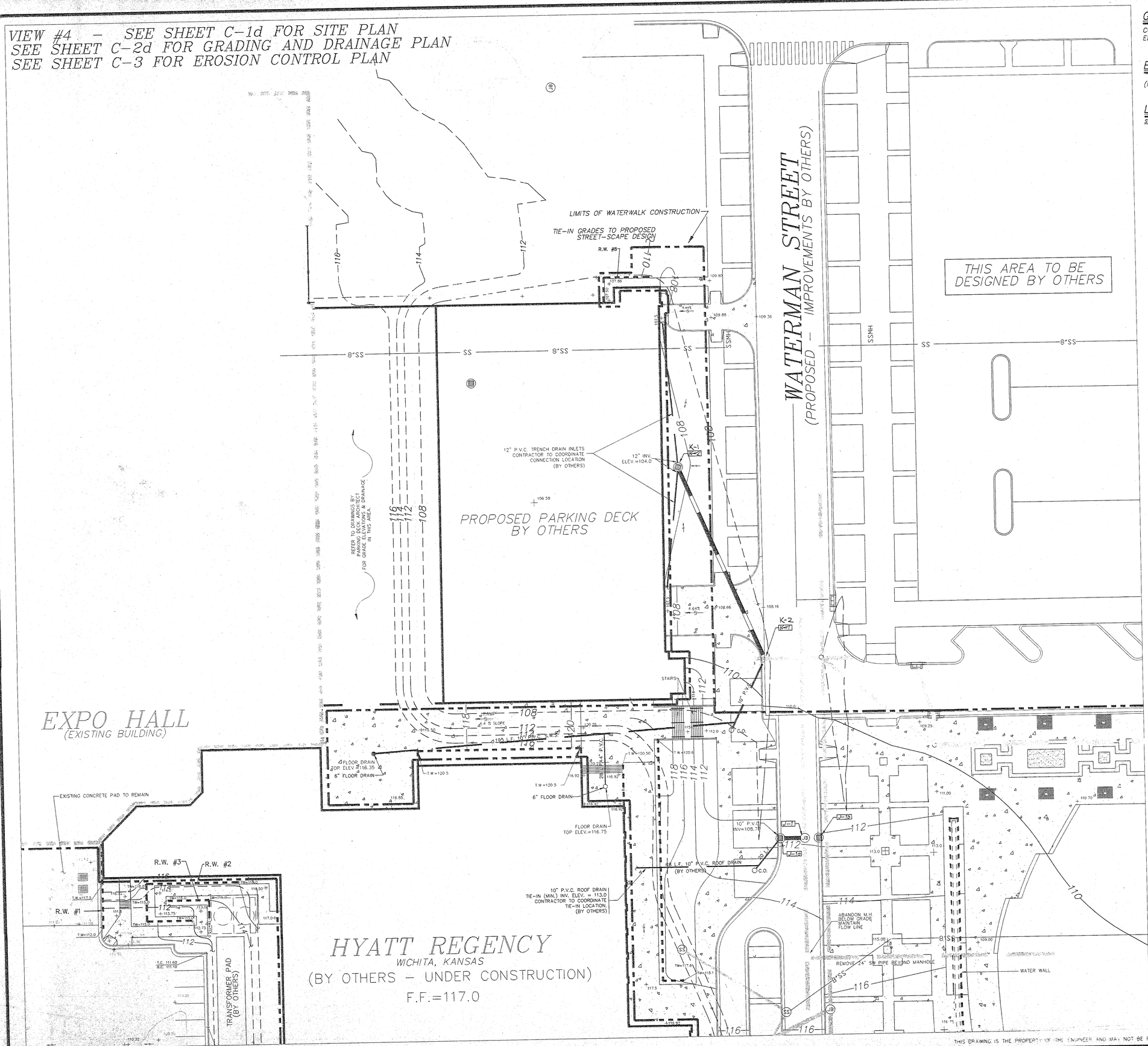
RECEIVED
NOV 3 0 1997

A LIGHT POLE BASE AND LAWN BOX COORDINATE LOCATIONS

0' 30' 1"=30'-0"

N

VIEW #4 – SEE SHEET C-1d FOR SITE PLAN
SEE SHEET C-2d FOR GRADING AND DRAINAGE PLAN
SEE SHEET C-3 FOR EROSION CONTROL PLAN



General Notes

CONTRACTOR SHALL ADJUST EXISTING MANHOLE TOP ELEVATIONS TO FINAL GRADE.

Erosion Control Notes

(REFER TO SHEET CN-1 FOR EROSION CONTROL NOTES)

Legend

SYMBOLS

- HANDICAP PARKING SPACE
- TRAFFIC FLOW ARROW
- EXISTING SIGN
- PROPOSED STOP SIGN
- EXISTING UTILITY MANHOLE
- EXISTING STORM SYSTEM MANHOLE
- EXISTING STORM SYSTEM INLET STRUCTURE
- (JB) PROPOSED STORM SYSTEM MANHOLE
- PROPOSED STORM SYSTEM DROP INLET (CURB TYPE)
- PROPOSED STORM SYSTEM DROP INLET
- EXISTING SANITARY SEWER MANHOLE
- (SS) PROPOSED SANITARY SEWER MANHOLE
- EXISTING LIGHT POLE
- PROPOSED FIRE HYDRANT
- EXISTING SPOT ELEVATION
- 100.00 PROPOSED SPOT ELEVATION
- T.C. 100.00 / B.C. 100.00 PROPOSED CURB ELEVATION (TOP OF CURB / BOTTOM OF CURB)
- S PROPOSED SLOPE ARROW

LINE TYPES

- EXISTING STORM LINE
- PROPOSED STORM LINE
- EXISTING SANITARY SEWER LINE
- SS PROPOSED SANITARY SEWER LINE
- PROPOSED CONCRETE SIDEWALKS
- EXISTING EDGE OF PAVEMENT
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- EXISTING BULKHEAD
- PROPOSED BULKHEAD
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- LIMITS OF CONSTRUCTION

ABBREVIATIONS

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D.I.	DROP INLET
L.P.	LIGHT POLE
E.O.P.	EDGE OF PAVEMENT
E.O.B.	EDGE OF BUILDING
R.W. #1	RETAINING WALL #1 (SEE DRAWING C-18 FOR PROFILES OF RETAINING WALLS)

MAGNETIC NORTH

0 10' 20' 40' 60' 80'

SCALE: 1" = 20'

ADDENDUM #1 11/20/96

NO.	REVISION DATE	ISSUE
1	11/19/96	ADDENDUM NO. 1

SCE
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PROJECT DESCRIPTION
EAST BANK / WATER WALK DEVELOPMENT
WICHITA, KANSAS

DESIGNED:	FVP
DRAWN:	RT
CHECKED:	JRH
DATE:	10/30/1996
PROJ. NO.	95075
SHEET TITLE:	GRADING & DRAINAGE PLAN
DRAWING NO.	C-2d (VIEW 2 OF 4)

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ALL CONSTRUCTION ACTIVITY SHALL CONFORM TO THE MINIMUM REQUIRMENTS AS PER PROMULGATED BY CURRENT O.S.H.A. STANDARDS

General Notes

(REFER TO SHEET CN-1 FOR GENERAL NOTES)

Erosion Control Notes

(REFER TO SHEET CN-1 FOR MORE EROSION CONTROL NOTES)
(REFER TO SHEET C-3 AND C-3a FOR EROSION CONTROL DETAILS)

EROSION CONTROL ACTIVITIES

Co	Construction Exit	Co	Rd	Rock Filter Dam	Rd
Re	Retaining Wall	Re	Sd1	Sediment Barriers (Temporary Silt Fence)	Sd1
Sr	Temporary Stream Crossing	Sr	Sd2 TYPE "1"	Temporary Inlet Sediment Trap	Sd2 TYPE "1"
Ds1	Disturbed Area Stabilization with Mulching Only	Ds1	Sd2 TYPE "2"	Temporary Inlet Sediment Trap	Sd2 TYPE "2"
Ds2	Disturbed Area Stabilization with Temporary Seeding	Ds2	Sd3	Temporary Sediment Basin	Sd3
Ds3	Disturbed Area Stabilization with Permanent Vegetation	Ds3	St	Storm Drain Outlet Protection	St
Dn1	Temporary Slope Drain	Dn1	Rt	Retrofitting	Rt
Di	Diversion Dike	Di	Cd	Log Check Dam	Cd
TF	Tree Protection Fence	TF	Su	Surface Roughening	Su

VIEW #1 – SEE SHEET C-1a FOR SITE PLAN
SEE SHEET C-2a FOR GRADING AND DRAINAGE PLAN
SEE SHEET C-3 FOR EROSION CONTROL PLAN

VIEW #2 – SEE SHEET C-1b FOR SITE PLAN
SEE SHEET C-2b FOR GRADING AND DRAINAGE PLAN
SEE SHEET C-3 FOR EROSION CONTROL PLAN

VIEW #3 – SEE SHEET C-1c FOR SITE PLAN
SEE SHEET C-2c FOR GRADING AND DRAINAGE PLAN
SEE SHEET C-3 FOR EROSION CONTROL PLAN

VIEW #4 – SEE SHEET C-1d FOR SITE PLAN
SEE SHEET C-2d FOR GRADING AND DRAINAGE PLAN
SEE SHEET C-3 FOR EROSION CONTROL PLAN

CENTURY II (EXISTING BUILDING)

EXPO HALL (EXISTING BUILDING)

HYATT REGENCY
WICHITA, KANSAS
(BY OTHERS – UNDER CONSTRUCTION)
F.F.=117.0

DOUGLAS STREET

WATERMAN STREET (PROPOSED – IMPROVEMENTS BY OTHERS)

LEWIS STREET (STREET IMPROVEMENTS BY OTHERS)

WICHITA STREET (PROPOSED – IMPROVEMENTS BY OTHERS)

THIS AREA TO BE DESIGNED BY OTHERS

PROPOSED PARKING DECK BY OTHERS

LIMITS OF WATERWALK CONSTRUCTION

TEMPORARY SEDIMENT TRAP DETAIL (TYPE I) 1/C-3a

GRASSING SCHEDULE 9/C-3a

TEMPORARY TREE PROTECTION FENCE AND PROTECTION TAPE 11/C-3a 12/C-3a

A. PRICE WOODARD PARK
EXISTING CONDITIONS IN THIS AREA ARE TO REMAIN

A. PRICE WOODARD PARK
EXISTING CONDITIONS IN THIS AREA ARE TO REMAIN

SILT FENCE IN THIS AREA TO BE MAINTAINED DURING GRADING. MOVED DURING HARDSCAPE INSTALLATION.

BRIDGE AND STREET IMPROVEMENTS BY OTHERS

EXISTING BUILDING

ARKANSAS RIVER

MAGNETIC NORTH

0 20' 45' 90' 180'
10' 30' 60' 120' 240'
SCALE: 1" = 60'

ALL CONSTRUCTION ACTIVITY SHALL CONFORM TO THE MINIMUM REQUIRMENTS AS PER PROMULGATED BY CURRENT O.S.H.A. STANDARDS.

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REVISION DATE	NO.	ISSUE
10/2/1996		90 % REVIEW

SCE
SOUTHERN CIVIL ENGINEERS, INC.
1708 PEACHTREE STREET – SUITE 406
ATLANTA, GEORGIA 30309
(404) 874-7890

PROJECT DESCRIPTION
EAST BANK / WATER WALK DEVELOPMENT
WICHITA, KANSAS

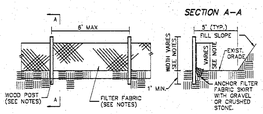
DESIGNED: JRH
DRAWN: RT
CHECKED: FVP
DATE: 10/30/1996
PROJ. NO. 95075
SHEET TITLE
EROSION CONTROL PLAN
DRAWING NO.
C-3

EROSION CONTROL ACTIVITIES

Co	Construction Exit	Co
Re	Retaining Wall	Re
Sr	Temporary Stream Crossing	Sr
Ds1	Disturbed Area Stabilization with Mulching Only	Ds1
Ds2	Disturbed Area Stabilization with Temporary Seeding	Ds2
Ds3	Disturbed Area Stabilization with Permanent Vegetation	Ds3
Dn1	Temporary Slope Drain	Dn1
Di	Diversion Dike	Di
TF	Tree Protection Fence	TF

Rd	Rock Filter Dam	Rd
Sd1	Sediment Barriers (Temporary Silt Fence)	Sd1
Sd2 TYPE "1"	Temporary Inlet Sediment Trap	Sd2 TYPE "1"
Sd2 TYPE "2"	Temporary Inlet Sediment Trap	Sd2 TYPE "2"
Sd3	Temporary Sediment Basin	Sd3
St	Storm Drain Outlet Protection	St
Rt	Retrofitting	Rt
Cd	Log Check Dam	Cd
Su	Surface Roughening	Su

1 C-3a — EROSION CONTROL ACTIVITIES CHART



TEMPORARY SILT FENCE

I. TYPE A.

DESCRIPTION: WATER PERMEABLE FILTER FABRIC MATERIAL COMPOSED OF STRONG ROT PROOF SYNTHETIC FIBERS FORMED INTO A MATRIX OF WOVEN OR NONWOVEN FABRIC. EITHER TYPE OF FABRIC SHALL BE FREE OF ANY TREATMENT OR COATING WHICH MIGHT SIGNIFICANTLY ALTER IT'S PHYSICAL PROPERTIES AFTER INSTALLATION. THE FABRIC SHALL CONTAIN STABILIZER AND/OR INHIBITORS TO MAKE THE FILAMENTS RESISTANT TO DETERIORATION RESULTING FROM EXPOSURE TO SUNLIGHT OR HEAT. THE FABRIC SHALL BE A PERVIOUS SHEET OF SYNTHETIC FIBERS ORIENTED INTO A STABLE NETWORK SO THAT THE FIBERS RETAIN THEIR RELATIVE POSITION WITH RESPECT TO EACH OTHER.

EDGES OF THE FABRIC SHALL BE FINISHED TO PREVENT THE OUTER YARN FROM PULLING AWAY FROM THE MATERIAL. THE FABRIC SHALL BE FREE OF DEFECTS OR FLAWS WHICH SIGNIFICANTLY AFFECT THE PHYSICAL AND/OR FILTERING PROPERTIES. THE FABRIC SHALL HAVE A MINIMUM WIDTH OF THIRTY-SIX (36) INCHES. SHEETS OF FABRIC MAY BE SEWN OR BONDED TOGETHER. NO DEVIATION FROM ANY PHYSICAL STANDARD WILL BE PERMITTED DUE TO THE PRESENCE OF THE SEAM.

THE FABRIC MAY BE MANUFACTURED WITH POCKETS FOR POSTS, HEMS WITH CORD OR WITH POSTS PREATTACHED USING STAPLES OR BUTTON HEAD NAILS.

II. TYPE B.

DESCRIPTION: TYPE B FILTER FABRIC SHALL MEET THE SAME STANDARDS AS TYPE A. FILTER FABRIC SHALL BE A MINIMUM OF TWENTY-TWO (22) INCHES WIDE.

III. MATERIALS.

A. POSTS.
1. HARDWOOD: 1.5" x 1.5" x 48" MINIMUM FOR TYPE A FABRIC. FOR TYPE B FABRIC, 1" x 1" x 36" MINIMUM.
2. SOFTWOOD: 3" DIAMETER MINIMUM OR NOM. 2" x 4" AND STRAIGHT ENOUGH TO PROVIDE A FENCE WITHOUT NOTICEABLE MISALIGNMENT FOR TYPE A FABRIC. FOR TYPE B FABRIC, AT LEAST 2" DIAMETER OR NOM. 2" x 2".
3. STEEL: POSTS SHALL BE ROUND, U-T, OR C SHAPED WITH A MINIMUM WEIGHT OF 1.3 POUNDS PER FOOT, AND HAVE PROJECTIONS FOR FASTENING THE WIRE TO THE FENCE FOR TYPE A FABRIC. FOR TYPE B FABRIC, POSTS SHALL HAVE A MINIMUM WEIGHT OF 0.75 POUNDS PER FOOT AND ROUND POSTS SHALL BE A MINIMUM OF 1" (IN) DIAMETER.

B. SPACING: 8 FOOT CENTERS MAXIMUM.
C. FABRIC: FILTER FABRIC
D. FASTENERS: WIRE STAPLES WILL BE NO. 17 GAGE MINIMUM AND SHALL HAVE A CROWN AT LEAST 3/4 INCH WIDE AND LEGS AT LEAST 1/2 INCH LONG. STAPLES SHALL BE EVENLY SPACED WITH AT LEAST 5 PER POST. NAILS SHALL BE 14 GAGE MINIMUM, 1 INCH LONG WITH 3/4 INCH BUTTON HEADS. NAILS SHALL BE EVENLY SPACED WITH AT LEAST 4 PER POST.

IV. MAINTENANCE: THE DEVELOPER/CONTRACTOR SHALL MAINTAIN THE SILT FENCE UNTIL THE LDA IS COMPLETE AND FINAL STABILIZATION IS ACHIEVED. FILTER FABRIC SHALL BE REMOVED AND REPLACED WHENEVER IT HAS DETERIORATED OR BEEN OTHERWISE DAMAGED TO SUCH EXTENT THAT IT REDUCES THE EFFECTIVENESS OF THE SILT FENCE.

INSTALLATION OF FABRIC FENCE MATERIAL IN AREAS OF CONCENTRATED FLOW IS NOT RECOMMENDED UNLESS PROPER PROVISIONS ARE MADE TO SUPPLEMENT OR OTHERWISE STRENGTHEN THE FENCE TO WITHSTAND INCREASED DRAINAGE WATER VELOCITIES.

5 C-3a — SILT BARRIER DETAIL — Sd1

Ds2 TEMPORARY GRASSING SCHEDULE

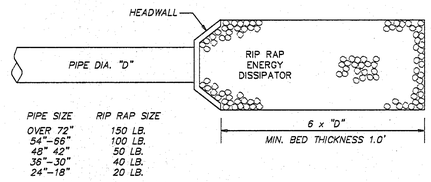
SPECIES	RATE PER 1,000 SQ. FT.	RATE PER ACRE[1]	PLANTING DATES[2] MTS-L'STONE	PIEDMONT	COASTAL
RYE	3 POUNDS	2-3 BU.	8/1-12/1 3/1-5/1	9/1-1/1 3/1-4/1	10/1-3/1
RYEGRASS	1 POUND	40-50 LBS.	8/1-12/1	8/15-1/1	8/15-3/1
RYE AND ANNUAL LESPEDEZA	1 1/2 POUNDS 1/2 POUND	1-1/2 BU. 20-25 LBS.	3/1-4/1 3/1-4/1	3/1-4/1 3/1-4/1	2/1-3/1 2/1-3/1
WEEPING LOVEGRASS	0.2 POUNDS	4-6 LBS.	3/15-8/1	3/1-8/15	2/15-8/15
SUDANGRASS	1 POUND	35-45 LBS.	4/1-8/1	4/1-7/15	4/1-7/15
BROWNTOP MILLET	1 POUND	30-40 LBS.	4/1-7/1	4/1-7/15	4/1-7/15
WHEAT	3 POUNDS	2-3 BU.	10/1-12/1	10/15-1/1	11/1-1/15

[1] UNUSUAL SITE CONDITIONS MAY REQUIRE HEAVIER SEEDING RATES.
[2] SEEDING DATES MAY NEED TO BE ALTERED TO FIT TEMPERATURE VARIATIONS AND LOCAL CONDITIONS.

Ds3 PERMANENT GRASSING SCHEDULE

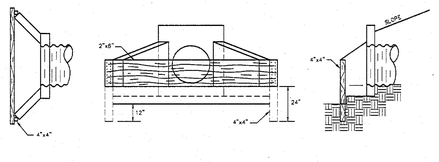
SPECIES	RATES/SPACING 1000 SQ.FT.	ACRES	PLANTING DATES MTS-L'STONE				YEARS TO APPLY FERTILIZER	FERTILIZER RATES - POUNDS PER ACRE N	P_2O_5	K_2O	N TOP DRESSING
WEEPING LOVEGRASS AND VIRGATA OR SERICEA LESPEDEZA	0.2 lb. 1.2 lb.	4-6 lb. 40-60 lb.	4/10-8/15				FIRST SECOND	60-90 0	120-180 70-100	120-180 70-100	50 –
BERGEA LESPEDEZA SEEDBEARN MAY WITH OVERSEEDED WEEPING LOVEGRASS	140 lb. 0.2 lb.	3 tons 4-6 lb.	10/1-3/15 3/15-5/1				IN SPRING AFTER SOD-DING STARTS	60-90	120-180	120-180	50
							SECOND	0	70-100	70-100	–
HULLED COMMON BERMUDAGRASS AND SERICEA LESPEDEZA	0.2 lb. 1.27 lb.	5-6 lb 40-50 lb.	4/10-8/15				FIRST SECOND	60-90 0	120-180 70-100	120-180 70-100	50 –
UNHULLED COMMON BERMUDAGRASS AND VIRGATA OR SERICEA LESPEDEZA SEED MIX	0.25 lb. 140 lb.	6-10 lb. 3 tons	10/1-3/15				FIRST SECOND	60-90 0	120-180 70-100	120-180 70-100	50 –
TALL FESCUEGRASS AND CLEAN COMBINE RUN VIRGATA OR SERICEA LESPEDEZA	1 lb. 1.5 lb.	30-40 lb. 60-75 lb.	8/1-10/15				FIRST SECOND	60-90 0	120-180 70-100	120-180 70-100	0-50 IN SPRING –
HULLED COMMON BERMUDAGRASS	0.25 lb.	8-10 lb.	4/10-8-15				FIRST SECOND	60-90 45	120-180 90	120-180 90	50-100 50-100
TALL FESCUEGRASS (USE ON BETTER SITES)	1 lb.	30-50 lb.	8/1-10/15				FIRST SECOND	60-90 60	120-180 120	120-180 120	IN SPRING 50-100 –

9 C-3a — GRASSING SCHEDULE



PIPE SIZE	RIP RAP SIZE
OVER 72"	150 LB.
54"-66"	100 LB.
48" 42"	50 LB.
36"-30"	40 LB.
24"-18"	20 LB.

2 C-3a — STORM OUTLET PROTECTION AT HEADWALL — St



6 C-3a — TEMPORARY SILT GATE DETAIL — Sd1

DISTURBED AREA STABILIZATION WITH MULCHING ONLY

APPLING AND ANCHORING MULCH

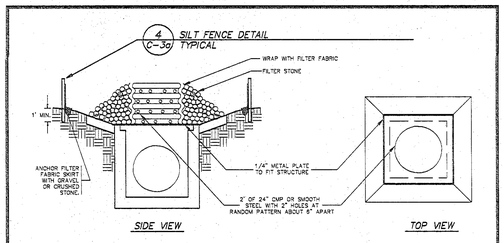
1. APPLY STRAW OR HAY MULCH UNIFORMLY BY HAND OR MECHANICALLY. ANCHOR AS APPROPRIATE AND FEASIBLE. IT MAY BE PRESSED INTO THE SOIL WITH A DISK HARROW WITH THE DISK SET STRAIGHT OR WITH A SPECIAL "PACKER DISK." THE DISK MAY BE SMOOTH OR SERRATED AND SHOULD BE 20 INCHES OR MORE IN DIAMETER AND 8 TO 12 INCHES APART. THE EDGES OF THE DISK SHOULD BE DULL ENOUGH NOT TO CUT THE MULCH BUT PRESS IT INTO THE SOIL LEAVING MULCH IN AN ERECT POSITION.

MULCHING MATERIALS

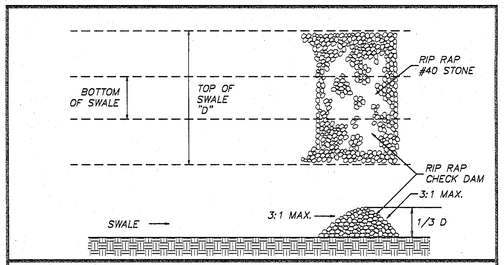
1. DRY STRAW OR HAY - SPREAD AT A RATE OF 2 1/2 TONS PER ACRE.

MATERIAL	DEPTH
1. GRAIN STRAW OR GRASS HAY	6" TO 10"
2. PINE NEEDLES	4" TO 6"

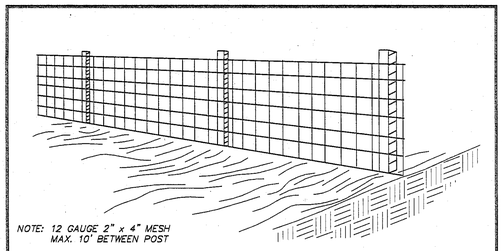
10 C-3a — TEMPORARY MULCHING NOTES — Ds1



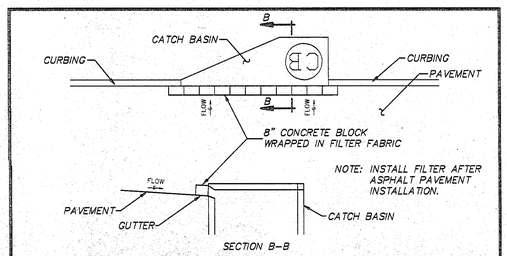
3 C-3a (TYPE "1") — TEMPORARY SEDIMENT TRAP DETAIL — Sd2



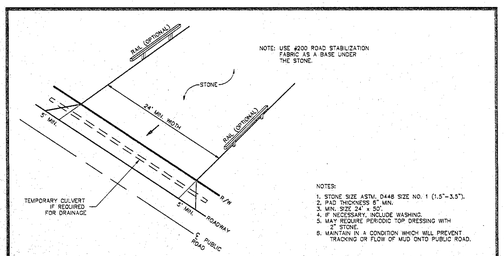
7 C-3a — RIP RAP CHECK DAM DETAIL — Rd



11 C-3a — TEMPORARY TREE PROTECTION FENCE



4 C-3a (TYPE "2") — TEMPORARY SEDIMENT TRAP DETAIL — Sd2



NOTES:
1. STONE SIZE ASTM, D448 SIZE NO. 1 (1.5"-3.5").
2. LENGTH - AS REQUIRED, 50' MIN.
3. THICKNESS - 6" MIN.
4. IF NECESSARY, INCLUDE WASHING.
5. MAY REQUIRE PERIODIC TOP DRESSING WITH 2" STONE.
6. MAINTAIN IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC ROAD.

8 C-3a — CONSTRUCTION EXIT DETAIL — Co

MINIMUM 4", HEAVY MILL, PLASTIC.
DARK LETTERING ON BRIGHT BACKGROUND.

TREE PROTECTION AREA
CAUTION DO NOT ENTER

CONTINUOUS

12 C-3a — TREE PROTECTION TAPE

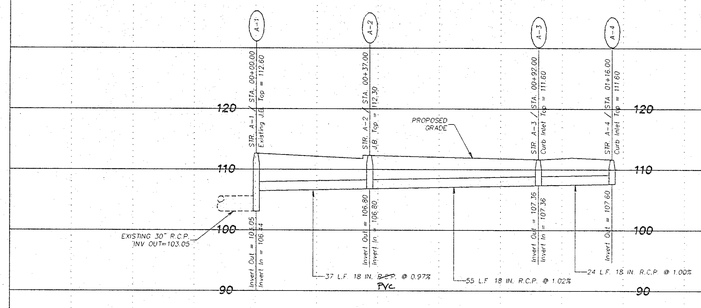
REVISION DATE	NO.	ISSUE
10/2/1996		90 % REVIEW

SCE
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ATLANTA, GEORGIA - 30309
(404) 874-7890

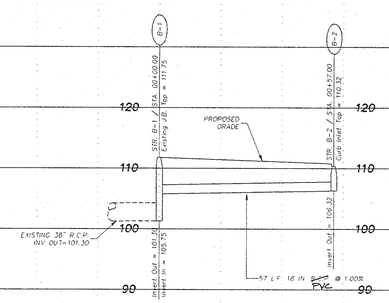
PROJECT DESCRIPTION
EAST BANK / WATER WALK DEVELOPMENT
WICHITA, KANSAS

DESIGNED: JRH
DRAWN: RT
CHECKED: JRH
DATE: 10/30/1996
PROJ. NO. 95075
SHEET TITLE
EROSION CONTROL DETAILS
DRAWING NO.
C-3a

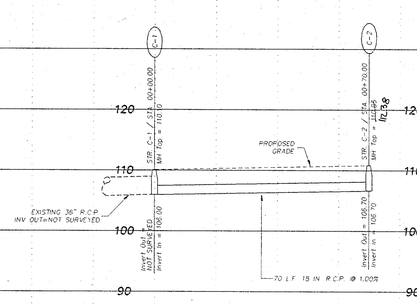
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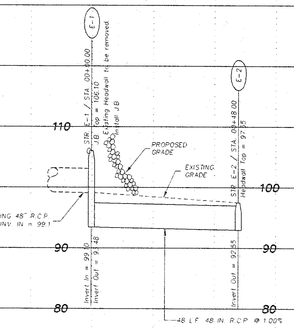
STORM "A"



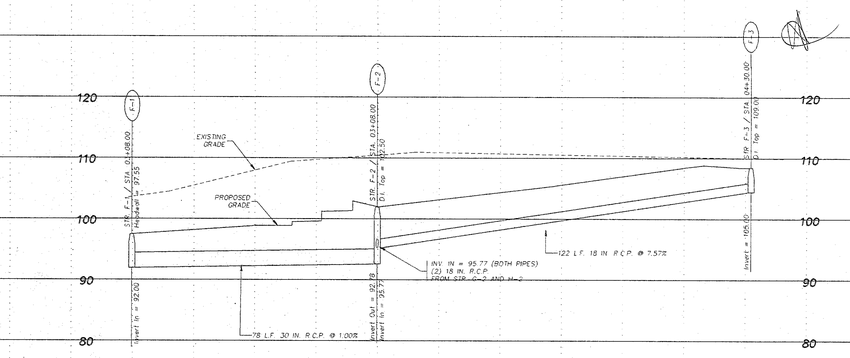
STORM "B"



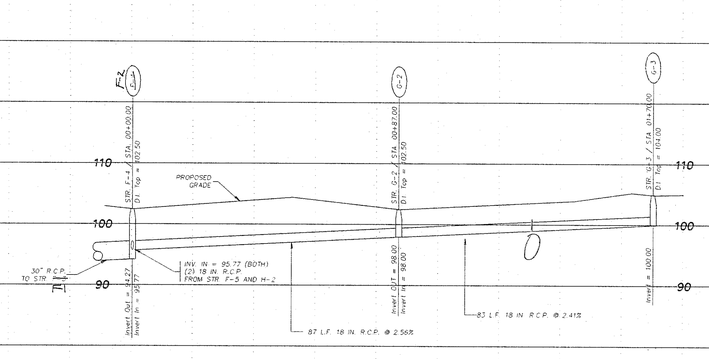
STORM "C"



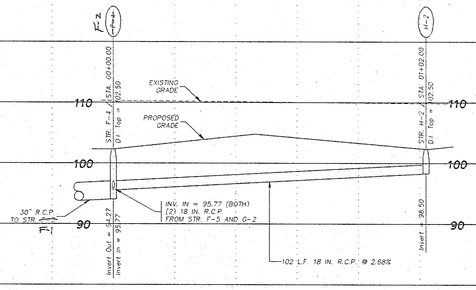
STORM "E"



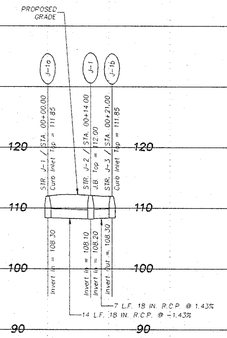
STORM "F"



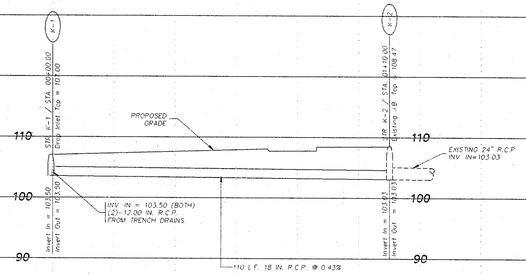
STORM "G"



STORM "H"



STORM "J"



STORM "K"

HORT. SCALE: 1"=20'
VERT. SCALE: 1"=10'

ADDENDUM #1
11/20/96

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NO.	ISSUE	REVISION DATE
1	ADDENDUM NO. 1	11/19/96

JAMES R. HAMILTON
LICENSED
13595
KANSAS
PROFESSIONAL ENGINEER

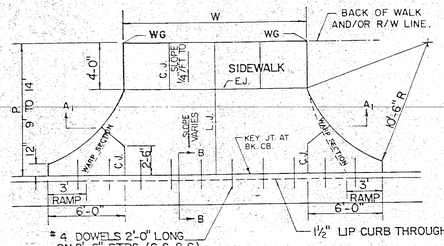
SCE
SOUTHERN CIVIL ENGINEERS, INC.
1700 PEACHTREE STREET - SUITE 405
ATLANTA, GEORGIA - 30309
(404) 874-7990

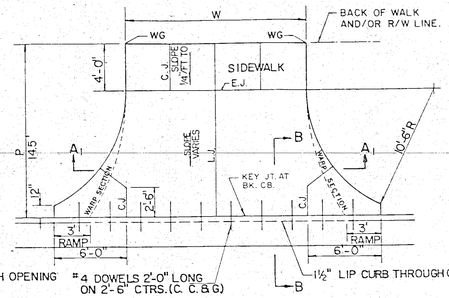
PROJECT DESCRIPTION
EAST BANK / WATER WALK DEVELOPMENT
WICHITA - KANSAS

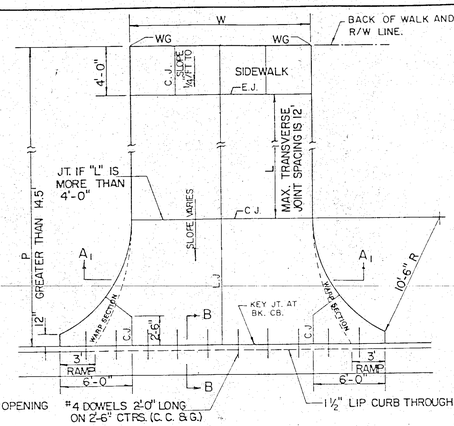
DESIGNED: FVP
DRAWN: HBMcD
CHECKED: JRH
DATE: 10/23/96
PROJ. NO. 95075
SHEET TITLE
STORM SEWER PROFILES
DRAWING NO.
C-4

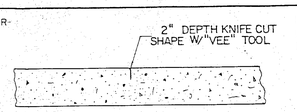


ALT. LONGITUDINAL CONSTRUCTION JOINT



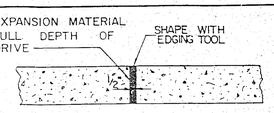




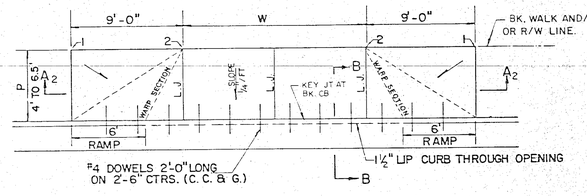


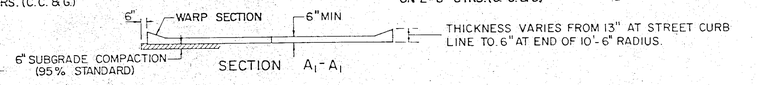
CONTRACTION JOINT (C.J.)
OR LONGITUDINAL JOINT (L.J.)

NO SAWN JOINTS WILL BE ALLOWED.

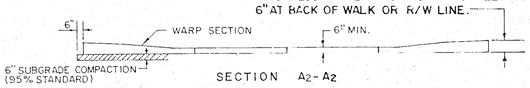


EXPANSION JOINT (E.J.)





SECTION A_1-A_1



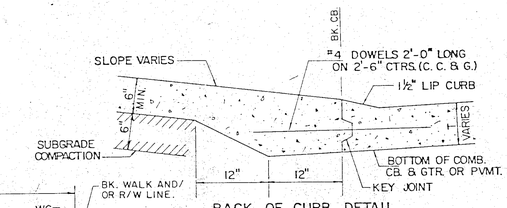
SECTION A_2-A_2

PARKING WIDTH "P"	9'	10'	11'	12'	13'	14.5'	20'	25'	30'	35'	40'	45'	50'
ABSOLUTE MAX. DIST. OF PT. "WG" ABOVE OR BELOW TOP OF FULL CURB	0.27'	0.27'	0.32'	0.37'	0.52'	0.80'	1.35'	1.85'	2.35'	2.85'	3.35'	3.85	4.35'
OPTIMUM MAX. DIST. OF PT. "WG" ABOVE OR BELOW TOP OF FULL CURB	0.27'	0.27'	0.32'	0.37'	0.52'	0.62'	0.96'	1.22'	1.48'	1.74'	2.00	2.26	2.52'
OPTIMUM MIN. DIST. OF PT. "WG" ABOVE OR BELOW TOP OF FULL CURB	0.19'	0.21'	0.23'	0.25'	0.27'	0.30'	0.42'	0.52'	0.62'	0.72'	0.82'	0.92'	1.02'
ABSOLUTE MIN. DIST. OF PT. "WG" ABOVE OR BELOW TOP OF FULL CURB	-.19'	-.16'	-.13'	-.10'	-.06'	0.00	0.00	0.15'	0.25	0.35'	0.45	0.55'	0.65'

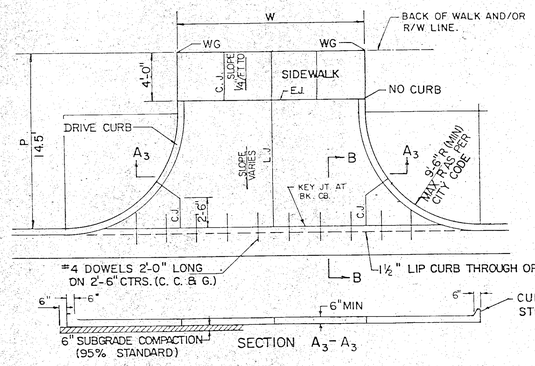
RADIUS RAMP DRIVES (P = 9.0' & GREATER)

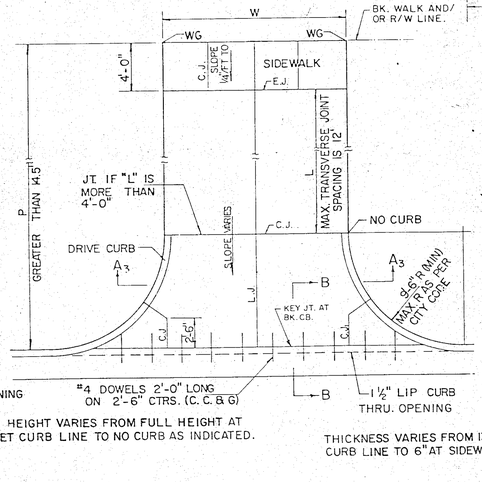
PARKING WIDTH "P"	4'	4.5'	5'	5.5'	6'	6.5'
DIST. OF PT. "1" ABOVE OF TOP OF FULL CB.	0.08'	0.09'	0.10'	0.12'	0.13'	0.14'
DIST. OF PT. "2" BELOW TOP OF FULL CB.	-.34'	-.32'	-.30'	-.28	-.26	-.22'

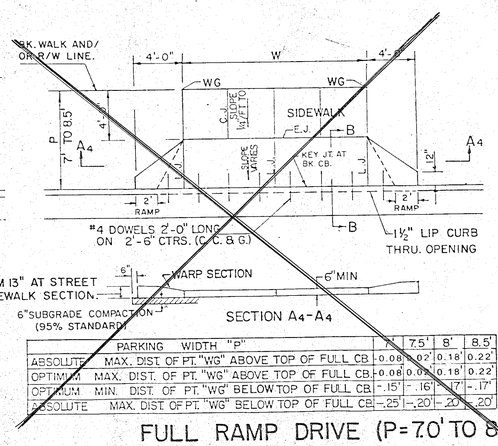
FULL RAMP DRIVE (P=4.0' TO 6.5')



BACK OF CURB DETAIL
SECTION B - B (no scale)







SECTION A_3-A_3

PARKING WIDTH "P"	14.5'	20'	25'	30'	35'	40'	45'	50'
ABSOLUTE MAX. DIST. OF PT. "WG" ABOVE TOP OF FULL CB.	0.72'	1.27'	1.77'	2.27'	2.77'	3.27'	3.77'	4.27'
OPTIMUM MAX. DIST. OF PT. "WG" ABOVE TOP OF FULL CB.	0.70'	1.04'	1.30'	1.56'	1.82'	2.08'	2.34'	2.60'
OPTIMUM MIN. DIST. OF PT. "WG" ABOVE TOP OF FULL CB.	0.30	0.42'	0.52'	0.62'	0.72'	0.82'	0.92'	1.02'
ABSOLUTE MIN. DIST. OF PT. "WG" ABOVE TOP OF FULL CB.	0.00	0.00'	0.15'	0.25'	0.35'	0.45	0.55	0.65

FULL RADIUS DRIVES (P=14.5' & GREATER)

PARKING WIDTH "P"	7'	7.5'	8'	8.5'
ABSOLUTE MAX. DIST. OF PT. "WG" ABOVE TOP OF FULL CB.	0.08	0.2'	0.18'	0.22'
OPTIMUM MAX. DIST. OF PT. "WG" ABOVE TOP OF FULL CB.	0.08	0.08	0.18'	0.22'
OPTIMUM MIN. DIST. OF PT. "WG" BELOW TOP OF FULL CB.	-.15'	-.16'	-.17'	-.17'
ABSOLUTE MAX. DIST OF PT. "WG" BELOW TOP OF FULL CB.	-.25'	-.20'	-.20'	-.20'

FULL RAMP DRIVE (P=7.0' TO 8.5')

THICKNESS VARIES FROM 13" AT STREET CURB LINE TO 6" AT SIDEWALK SECTION.

GENERAL NOTES

1. DRIVEWAY CONSTRUCTION DETAILED ON THIS SHEET IS FOR USE WITH FULL HEIGHT STREET CURBS AND IN AREAS WITHOUT FULL WALK CONSTRUCTION IN THE PARKING. SEE OTHER DETAIL SHEETS FOR DRIVEWAY CONSTRUCTION WITH ROLL CURB AND/OR FULL WALK.
2. ONE LONGITUDINAL JOINT SHALL BE CONSTRUCTED ALONG THE CENTERLINE OF DRIVES HAVING A "W" DIMENSION OF 24' OR LESS. TWO LONGITUDINAL JOINTS SHALL BE CONSTRUCTED WITH EQUAL SPACINGS NOT TO EXCEED 10' FOR DRIVES WITH A "W" DIMENSION GREATER THAN 24'.
3. DRIVEWAY WIDTH DENOTED AS "W" ON THE DETAIL DRAWINGS SHALL BE A MINIMUM OF 10' AND A MAXIMUM OF 30'. THE MAXIMUM OPENING FOR RADIUS TYPE DRIVES WITH CURBS THROUGH THE RADIUS SHALL NOT EXCEED 52' AT THE STREET CURB LINE.
4. CONTRACTION JOINT SPACING IN THE DRIVEWAY WALK SECTION SHALL BE A MINIMUM OF 3' AND A MAXIMUM OF 6' AND ARE TO BE EQUALLY SPACED WITHIN THIS RANGE. WALK SECTION SHALL BE CONSTRUCTED TO THE SAME THICKNESS AS THE DRIVEWAY.
5. DOWEL BARS SHALL BE OMITTED FROM THE KEYED CONSTRUCTION JOINT ALONG THE BACK OF THE STREET CURB LINE WHEN DRIVEWAYS ARE CONSTRUCTED IN CONJUNCTION WITH NEW CONCRETE PAVEMENT CONSTRUCTION.
6. ADDITIONAL THICKNESS OF DRIVE AS INDICATED IN THE DRAWINGS WILL NOT BE PAID FOR DIRECTLY AND THIS COST SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE DRIVEWAY CONSTRUCTION.
7. ONE HALF INCH EXPANSION JOINTS SHALL BE INSTALLED WHEREVER DRIVE CONSTRUCTION ABUTS SIDEWALK. ONE HALF INCH EXPANSION JOINTS SHALL ALSO BE INSTALLED ALONG THE PROPERTY LINE AND/OR BACK OF WALK LINE WHEN DRIVE CONSTRUCTION ALONG THIS LINE ABUTS CONCRETE PARKING LOTS OR CONCRETE DRIVE EXTENSION.
8. ALL DRIVEWAYS SHALL BE A MINIMUM OF 6" IN THICKNESS AND SHALL BE WITHOUT REINFORCEMENT. DRIVEWAYS MAY BE CONSTRUCTED THICKER THAN 6" AND THEY MAY BE REINFORCED WITH 6"x12" W4-W4 WELDED WIRE FABRIC WHEN PROPERLY AUTHORIZED BY THE PROPERTY OWNER WITH THE ENGINEER'S CONCURRENCE.
9. OPTIMUM DRIVEWAY ELEVATIONS SHOWN IN THE TABLES ARE TO BE USED WHEREVER POSSIBLE. ABSOLUTE MAXIMUM AND MINIMUM ELEVATIONS ARE TO BE USED ONLY WHEN THESE VALUES WILL PERMIT NEW CONSTRUCTION TO MATCH EXISTING DRIVES OR PARKING LOTS. VALUES SHOWN IN THE TABLES ARE BASED ON A FULL CURB HEIGHT ELEVATION OF 0.55' ABOVE THE GUTTER FLOW LINE AND MUST BE ADJUSTED ACCORDINGLY FOR OTHER CURB HEIGHTS. VALUES SHOWN IN THE TABLES WITH MINUS SIGNS INDICATE ELEVATIONS BELOW TOP OF FULL HEIGHT CURB.

REVISED APRIL 1994 (JKB)

SCALE: 1"= 5'

STANDARD DRIVE ENTRANCES
FULL HEIGHT CURB
CITY OF WICHITA, KANSAS

PROJECT NUMBER

SCE
SOUTHERN CIVIL ENGINEERS, INC.
1708 PEACHTREE STREET SUITE 405
ATLANTA, GEORGIA 30309
(404) 874-7890

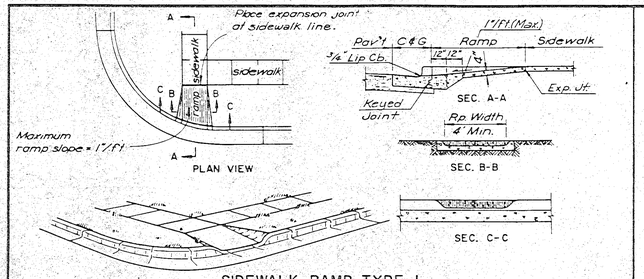
PROJECT DESCRIPTION
EAST BANK / WATER WALK DEVELOPMENT
WICHITA, KANSAS

REVISION DATE	NO.	ISSUE

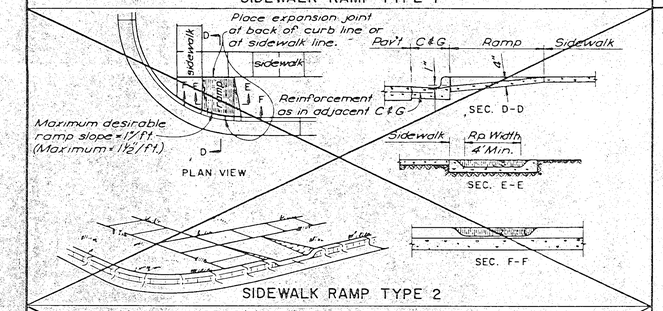
DESIGNED: FVP
DRAWN: H.B.McD
CHECKED: JRH
DATE: 10/30/1996
PROJ. NO. 95075
SHEET TITLE: STANDARD DRIVE ENTRANCE DETAIL
DRAWING NO. C-5

ALL CONSTRUCTION ACTIVITY SHALL CONFORM TO THE MINIMUM REQUIRMENTS AS PER PROMULGATED BY CURRENT O.S.H.A. STANDARDS.

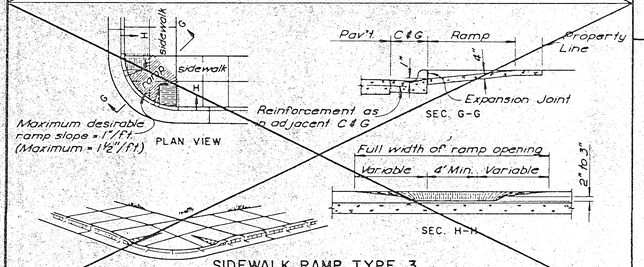
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SIDEWALK RAMP TYPE 1



SIDEWALK RAMP TYPE 2



SIDEWALK RAMP TYPE 3

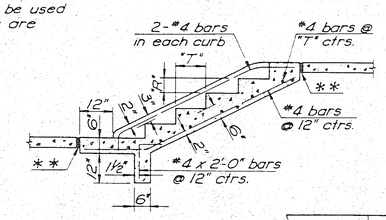
To be used where sidewalk occupies entire area between curb and property line

Note:
Reinforcing bars shown are to be used only when more than four steps are necessary.

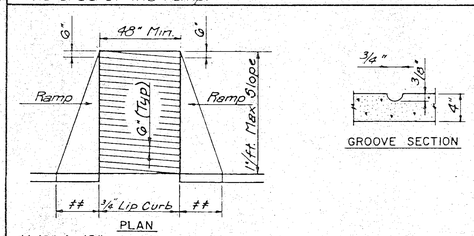
Step formula:
"R" x "T" = not less than 70 or not more than 75

The maximum "R" = 7 3/4"
The minimum "T" = 9"

Where field conditions permit, the steps should not be constructed too steep.



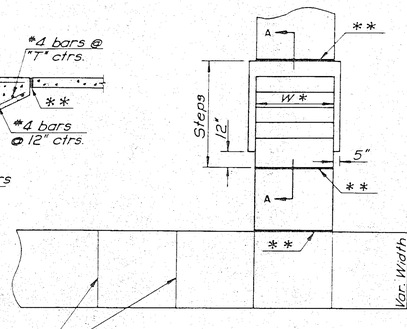
NOTES:
Details shown on this plan apply to all construction or reconstruction of streets, curbs or sidewalks.
Curb cut ramps are to be located as shown on the plans or as directed by the Engineer.
Ramps shall be provided at all corners of street intersections where there is existing or proposed sidewalk and curb. Ramps shall also be provided at walk locations in mid-block in the vicinities of hospitals, medical centers and athletic stadiums.
Sidewalk ramps shall be grooved in accordance with details below.
Sidewalks shall be ramped where the driveway curb is extended across the walk.
Care shall be taken to assure a uniform grade on the ramp, free of sags and short grade changes.
If possible, drainage structures should not be placed in line with ramps. Except where existing drainage structures are being utilized in the new construction, location of the ramp should take precedence over location of drainage structure.
Use of sidewalk ramp Type 2 shall be restricted to locations where it is not feasible to use Types 1 or 3.
The normal gutter line profile shall be maintained through the area of the ramp.



SIDEWALK RAMP DETAILS

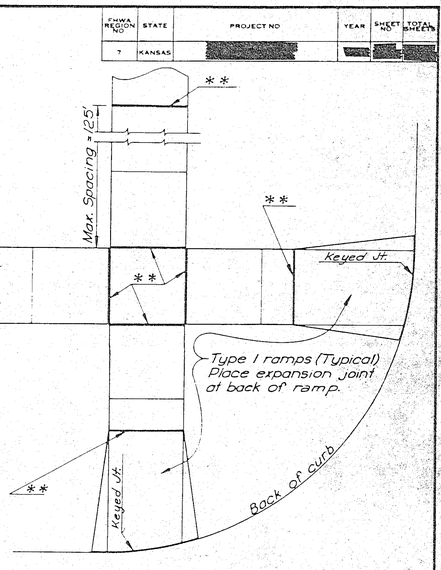
LEGEND

- Sidewalk Ramp Type 1
- Sidewalk Ramp Type 2
- Sidewalk Ramp Type 3
- Preferred location of drainage inlet (Typical)
- Alternate location of drainage inlet (Typical)
- Sidewalk

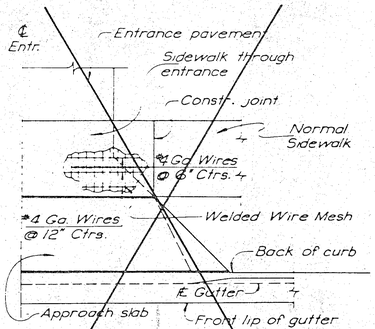


* "W" to be the same width as approach walk (4'-0" Min.)

** Expansion joint (3/4" redwood board)



TYPICAL PLAN

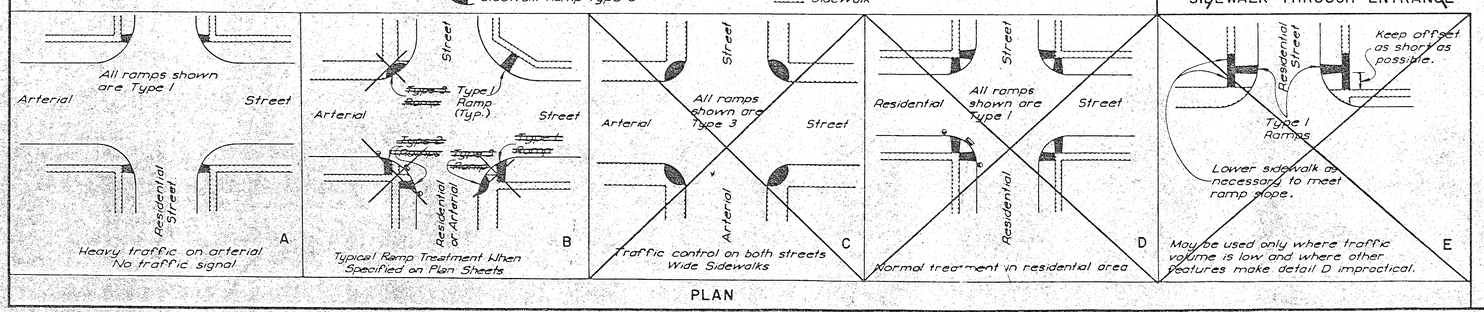


See Std. No. 726.1 for details of Alley & Entrance Pavement.

REINFORCEMENT DIAGRAM SIDEWALK THROUGH ENTRANCE

NOTES:
Expansion joints shall be placed in sidewalks as follows:
In long runs, expansion joints shall be 3/4" redwood boards flush with the surface, at a maximum spacing of 25'. This same joint should be used at sidewalk junctions as shown in Typical Plan.
Where the end of the sidewalk abuts a curb, a 3/4" redwood board flush with the surface shall be used.
Where the sidewalk is parallel and adjacent to a rigid structure, a 1/2" premoulded joint filler (Nonextruding, Type B) shall be used.
Sidewalk shall slope toward the street at the rate of 1/4" per foot, and where necessary, may be depressed or sloped to fit alleys and entrances as shown on the plans or as directed by the Engineer.
~~Where sidewalk is shown to be constructed back of an entrance, it shall be 6" thick with welded wire mesh reinforcement of the same gauge and spacing of wires as in entrance pavement, as shown in the diagram at left. Bid item will be "Sidewalk Construction (6")" either with or without air entrainment.~~

Where the plans do not require air entrainment for sidewalk, at the Contractor's option Class A Concrete (AE) may be used throughout, but payment will be made as square yards of Sidewalk Construction.
At the Contractor's option Class A Concrete (AE) may be used throughout for construction of steps, but payment will be made as Class A Concrete.
At the Contractor's option Class A Concrete (AE) may be used throughout for construction of sidewalk ramps, but payment will be made as square yards of Sidewalk Construction.



PLAN

NO	DATE	REVISIONS	BY	APP'D
1				
2	2-8-78	Median Ramp Crossing	W.L.H.	L.R.P.
3	7-14-75	Remove "Reinforcement" from Bid Item	W.L.H.	L.R.P.

KANSAS DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAILS

~~STD. NO. 725~~ July 22, 1974

SHEET NO. OF	SCALE None	APP'D K. H. Kavanaugh	
DESIGNED	DETAILED Lipster	QUANTITIES	TRACED Lipster
DESIGN CK	DETAIL CK. Hecht	QUAN. CK	TRACE CK Hecht

FHWA REGION NO.	STATE	PROJECT NO	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	[redacted]			

[redacted]

25

ALL CONSTRUCTION ACTIVITY SHALL CONFORM TO THE MINIMUM REQUIRMENTS AS PER PROMULGATED BY CURRENT O.S.H.A. STANDARDS.

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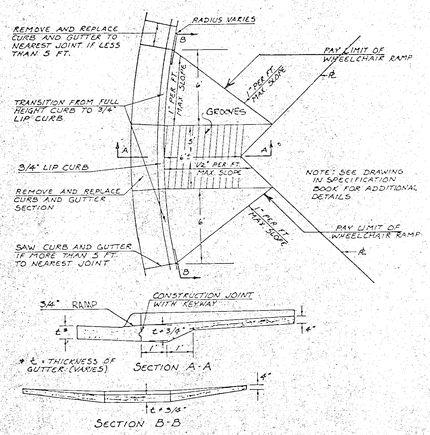
NO.	ISSUE	REVISION DATE

SCE
SOUTHERN CIVIL ENGINEERS, INC.
1700 PEACHTREE STREET - SUITE 405
ATLANTA, GEORGIA - 30309
(404) 874-7800

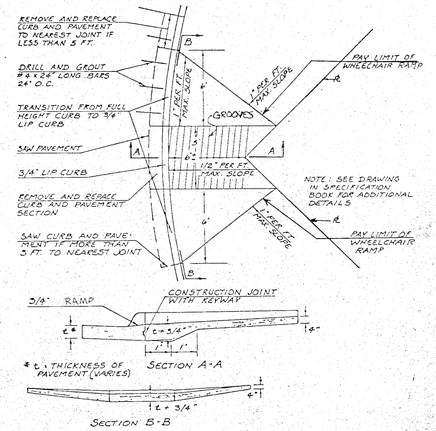
PROJECT DESCRIPTION
EAST BANK / WATER WALK DEVELOPMENT
WICHITA, KANSAS

DESIGNED	R.V.P.
DRAWN	H.B.McD.
CHECKED	J.R.H.
DATE	10/30/1996
PROJ. NO.	95075
SHEET TITLE	STANDARD SIDEWALK DETAIL
DRAWING NO.	C-6

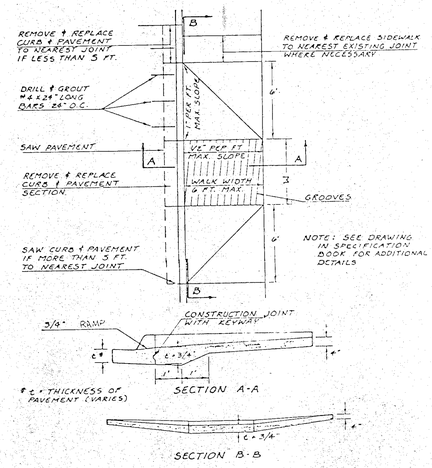
STANDARD WHEELCHAIR RAMP CONSTRUCTION DETAIL FOR STREET WITH COMBINED CURB AND GUTTER ON RADIUS WITH 6'± FROM BACK OF CURB TO PROPERTY CORNER



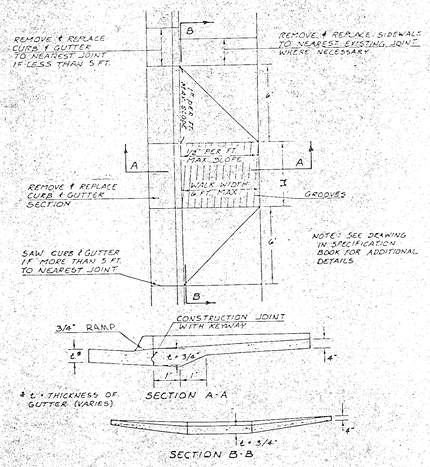
STANDARD WHEELCHAIR RAMP CONSTRUCTION DETAIL FOR CONCRETE STREETS WITH MONOLITHIC CURB ON RADIUS WITH 6'± FROM BACK OF CURB TO PROPERTY CORNER



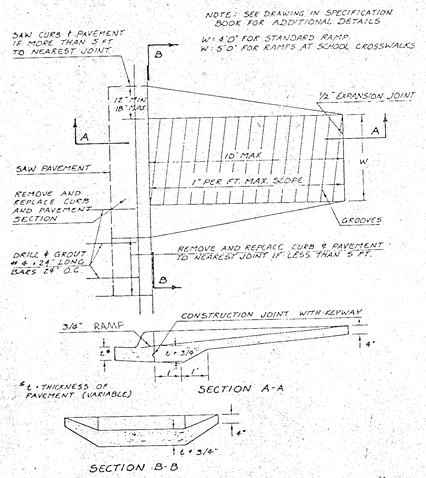
STANDARD WHEELCHAIR RAMP CONSTRUCTION DETAIL FOR CONCRETE STREETS WITH MONOLITHIC CURB AND FULL WALK



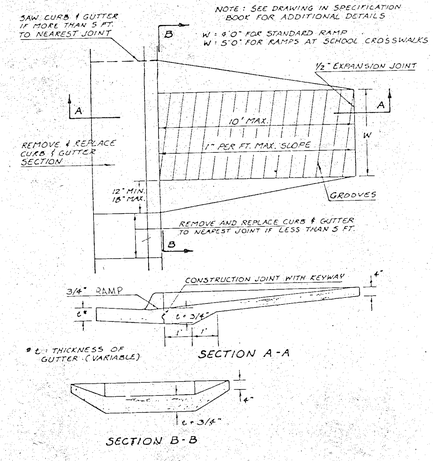
STANDARD WHEELCHAIR RAMP CONSTRUCTION DETAIL FOR STREETS WITH COMBINED CURB & GUTTER AND FULL WALK



STANDARD WHEELCHAIR RAMP CONSTRUCTION DETAIL FOR CONCRETE STREETS WITH MONOLITHIC CURB



STANDARD WHEELCHAIR RAMP CONSTRUCTION DETAIL FOR STREETS WITH COMBINED CURB & GUTTER



REVISED 11-30-92 JKB

WHEELCHAIR RAMP DETAILS

PROJECT NO.

INDEX NO.

REVISION DATE	NO.	ISSUE

SCE
SOUTHERN CIVIL ENGINEERS, INC.
1708 PEACHTREE STREET - SUITE 405
ATLANTA, GEORGIA - 30309
(404) 874-7880

PROJECT DESCRIPTION

EAST BANK / WATER WALK DEVELOPMENT
WICHITA, KANSAS

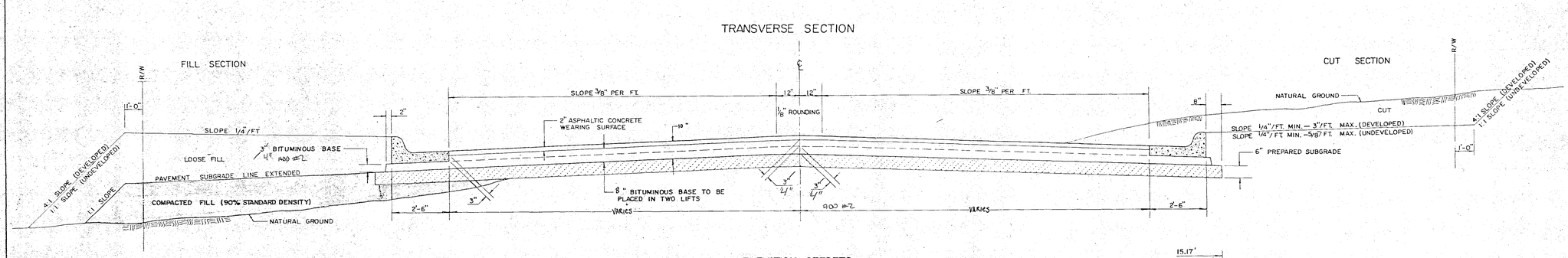
DESIGNED	FVP
DRAWN	HB/MCD
CHECKED	JRH
DATE	10/30/1995
PROJ. NO.	95075
SHEET TITLE	STANDARD WHEELCHAIR RAMP DETAIL
DRAWING NO.	C-7

ALL CONSTRUCTION ACTIVITY SHALL CONFORM TO THE MINIMUM REQUIRMENTS AS PER PROMULGATED BY CURRENT O.S.H.A. STANDARDS.

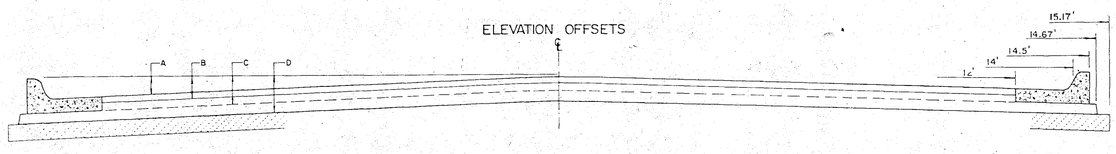
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TYPICAL PAVEMENT DETAILS

TRANSVERSE SECTION

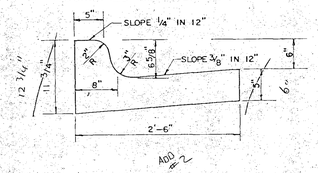


ELEVATION OFFSETS

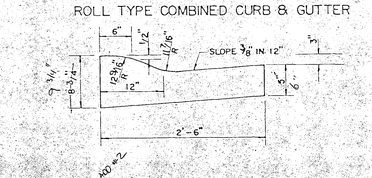


	DISTANCE FROM CENTERLINE (LT. & RT.)											
	0'	2'	4'	6'	7'	8'	10'	12'	14'	14.50'	14.67'	15.17'
A: TOP OF CURBS TO TOP OF SURFACE LIFT	.13	.18	.24	.30	.33	.36	.43	.49	—	—	—	—
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	.30	.34	.40	.47	.50	.53	.59	.65	—	—	—	—
C: TOP OF CURBS TO TOP OF LOWER BASE LIFT	.55	.59	.65	.72	.75	.78	.84	.90	.97	.98	.99	—
D: TOP OF CURBS TO TOP OF SUBGRADE	.80	.84	.90	.97	1.00'	1.03'	1.09'	1.15'	1.22'	1.23'	1.24'	1.26'

COMBINED CURB & GUTTER



ROLL TYPE COMBINED CURB & GUTTER



GENERAL NOTES

1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 8" ASPHALTIC CONCRETE (6" BITUMINOUS BASE).
2) THE BITUMINOUS BASE UNDER AND BEHIND THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 3" BITUMINOUS BASE.
3) A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.
4) BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.
5) CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF ONE (1) FOOT FROM JOINTS IN PRECEDING LIFTS AND PLACED SO THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE TOP LIFT.
6) CONTRACTOR TO BID ONLY ONE SUBGRADE TREATMENT ALTERNATE WHEN ALTERNATES ARE PROVIDED IN THE PROPOSAL AND CONTRACT. THE ALTERNATE CHOSEN BY THE SUCCESSFUL BIDDER SHALL BE USED IN CONSTRUCTING THIS PROJECT.

TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE DETAIL. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS OF 8" ASPHALTIC CONCRETE (6" BITUMINOUS BASE).

MODIFIED

8 INCH ~~RESIDENTIAL~~ ASPHALTIC CONCRETE PAVEMENT WITH 6 INCH BITUMINOUS BASE

CITY OF WICHITA, KANSAS

PROJECT NUMBER

ALL CONSTRUCTION ACTIVITY SHALL CONFORM TO THE MINIMUM REQUIRMENTS AS PER PROMULGATED BY CURRENT O.S.H.A. STANDARDS.

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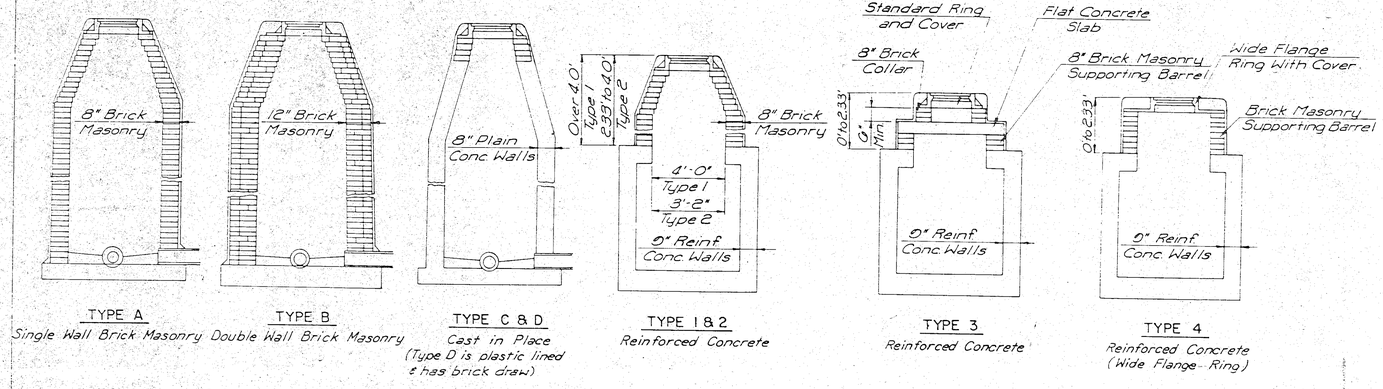
REVISION DATE	NO.	ISSUE

SCE
SOUTHERN CIVIL ENGINEERS, INC.
1708 PEACHTREE STREET - SUITE 405
ATLANTA, GEORGIA - 30309
(404) 874-7100

PROJECT DESCRIPTION

EAST BANK / WATER WALK DEVELOPMENT
WICHITA, KANSAS

DESIGNED FVP
DRAWN HBMCD
CHECKED JRH
DATE 10/30/1996
PROJ NO 95075
SHEET TITLE STANDARD ROADWAY PAVEMENT DETAILS
DRAWING NO C-8



TYPE A
Single Wall Brick Masonry

TYPE B
Double Wall Brick Masonry

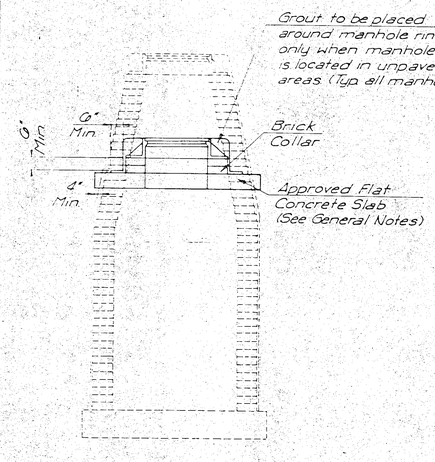
TYPE C & D
Cast in Place
(Type D is plastic lined & has brick draw)

TYPE 1 & 2
Reinforced Concrete

TYPE 3
Reinforced Concrete

TYPE 4
Reinforced Concrete
(Wide Flange Ring)

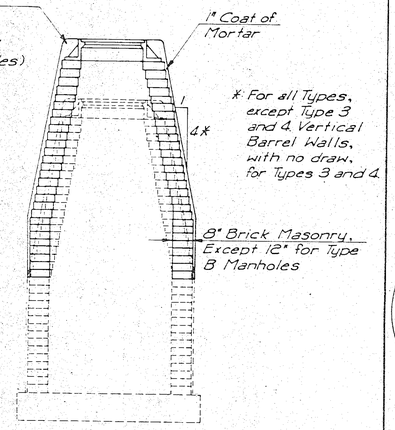
DEFINITION SKETCHES - CITY OF WICHITA STANDARD MANHOLES



DOWNWARD ADJUSTMENT
(GREATER THAN 12")
All Types

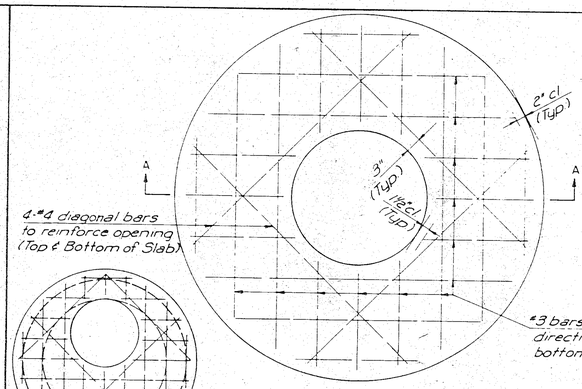
THE APPROPRIATE PORTIONS OF THE DRAW AND BARREL OF TYPE A, B, C, D, 1 AND 2 MANHOLES SHALL BE REMOVED. A FLAT CONCRETE SLAB SHALL BE PLACED AND THE RING AND COVER RESET. ALL WORK AND MATERIALS SHALL CONFORM TO THE DETAILS SHOWN AND THE GENERAL NOTES.

COURSES OF BRICK BARREL SUPPORTING THE WIDE FLANGE RING FOR TYPE 4 MANHOLES AND FLAT CONCRETE SLAB FOR TYPE 3 MANHOLES SHALL BE REMOVED AS NECESSARY PRIOR TO RESETTING THE WIDE FLANGE RING OR FLAT CONCRETE SLAB AND RING. ALL WORK AND MATERIALS SHALL CONFORM TO THE DETAILS SHOWN AND THE GENERAL NOTES.

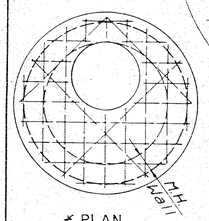


UPWARD ADJUSTMENT
(GREATER THAN 12")
All Types

THE ENTIRE DRAW OF TYPES A, B, C, D, 1 AND 2 MANHOLES SHALL BE REMOVED. THE MANHOLE BARREL RAISED THE APPROPRIATE AMOUNT, A NEW DRAW CONSTRUCTED, AND THE RING AND COVER RESET. THE UPPER PORTION OF TYPE 3 MANHOLES SHALL BE REMOVED TO THE BOTTOM OF THE FLAT CONCRETE SLAB, THE BRICK MASONRY BARREL SUPPORTING THE SLAB SHALL BE RAISED THE APPROPRIATE AMOUNT, AND THE SLAB AND RING AND COVER RESET. THE WIDE FLANGE RING AND COVER OF TYPE 4 MANHOLES SHALL BE REMOVED, THE BRICK MASONRY BARREL SUPPORTING THE RING SHALL BE RAISED THE APPROPRIATE AMOUNT AND THE RING AND COVER RESET. ALL WORK REQUIRED FOR A GREATER THAN TWELVE INCH (12") UPWARD ADJUSTMENT OF ANY MANHOLE SHALL BE ACCOMPLISHED WITH BRICK MASONRY IN ACCORDANCE WITH THE DETAILS SHOWN AND THE GENERAL NOTES.



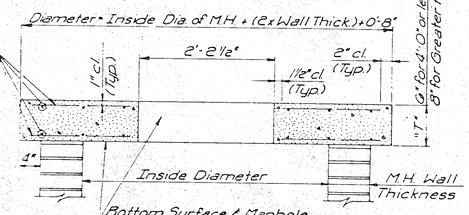
PLAN



* PLAN
ALTERNATE OPENING LOCATION

#3 bars @ 8" ctrs both directions in top & bottom of slab.

* To be used only if necessary to keep ring and cover from conflicting with curb or combined curb and gutter. Flat concrete slab shall be rotated on existing manhole to position ring and cover in pavement or behind curb.



SECTION A-A

FLAT CONCRETE SLAB DETAILS

MANHOLE ADJUSTMENT DETAILS

CITY OF WICHITA, KANSAS
M. E. LINDEBAK – CITY ENGINEER

Designed by		Checked by	
Drawn by		Date	JOB No.

[redacted]

REVISION | DATE | NO. | ISSUE

SCE
SOUTHERN CIVIL ENGINEERS, INC.
1700 PEACHTREE STREET – SUITE 405
ATLANTA, GEORGIA – 30309
(404) 874-7000

PROJECT DESCRIPTION
EAST BANK / WATER WALK DEVELOPMENT
WICHITA, KANSAS

DESIGNED:	FVP
DRAWN:	H.B.McD
CHECKED:	JRH
DATE:	10/30/1996
PROJ. NO.	95075
SHEET TITLE	MANHOLE ADJUSTMENT DETAILS
DRAWING NO.	C-9

ALL CONSTRUCTION ACTIVITY SHALL CONFORM TO THE MINIMUM REQUIRMENTS AS PER PROMULGATED BY CURRENT O.S.H.A. STANDARDS.

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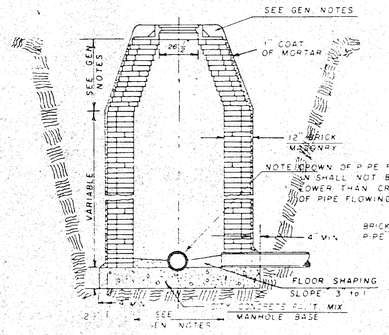
SEWER APPURTENANCES DETAILS

REVISED MAY 95
REVISED JAN. 1982

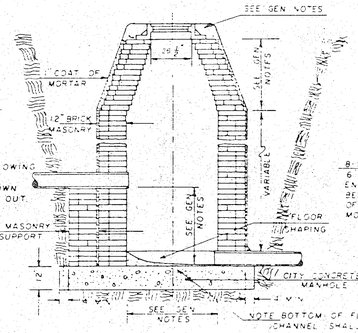
ADOPTED AS STANDARD DESIGN BY

City of Wichita, Kansas

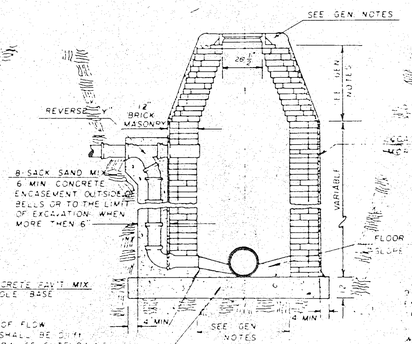
TYPE "B" MANHOLE



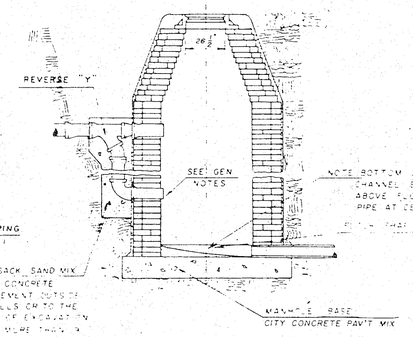
TYPE "B" INSIDE DROP MANHOLE



TYPE "B" OUTSIDE DROP MANHOLE



DETAIL OF OUTSIDE DROP CONSTRUCTED ON EXISTING MANHOLE



GENERAL NOTES

1. MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 5 SACKS OF CEMENT PER CUBIC YARD. CONCRETE USED IN MANHOLE BASES SHALL CONFORM TO THE REQUIREMENTS OF CONCRETE FOR CONCRETE PAVEMENT CONSTRUCTION AS SPECIFIED IN THE CITY STANDARD PAVING SPECIFICATIONS USING CITY CONCRETE PAVEMENT MIX WITHOUT AIR ENTRAINING ADMIXTURE. MORTAR SHALL BE PLACED AROUND THE MANHOLE RING AS SHOWN ON THE DRAWINGS WHEN MANHOLES ARE CONSTRUCTED IN UNPAVED AREAS. TYPE "B" MANHOLES CAN BE USED ON SEWERS HAVING DEPTHS GREATER THAN 16' OR WHEN THE MANHOLE IS LOCATED IN PUBLIC STREET PAVEMENT. MANHOLES CONSTRUCTED WHERE PIPE SIZES ARE SMALLER THAN 24" SHALL HAVE AN INSIDE DIAMETER OF 4'. MANHOLES CONSTRUCTED WHERE PIPE SIZES ARE 24" OR LARGER SHALL HAVE AN INSIDE DIAMETER OF 5'. THE HEIGHT OF THE CORBELS ON 4' DIAMETER MANHOLES SHALL BE 4'. MANHOLES HAVING A DIAMETER OF 5' SHALL HAVE CORBELS 6' IN HEIGHT. COMPLETED MANHOLE SHALL BE WITHOUT LEAKS AND WATER TIGHT.

2. REINFORCING STEEL SHALL BE INSTALLED IN THE MANHOLE BASES AND SHALL CONSIST OF NO. 4 BARS PLACED ON 9" CENTERS IN BOTH DIRECTIONS. THE MANHOLE BASE REINFORCEMENT SHALL BE PLACED 9" ABOVE THE BOTTOM OF THE MANHOLE BASE. ALL COSTS FOR FURNISHING AND INSTALLING REINFORCING STEEL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE MANHOLE.

3. OPENINGS SHALL BE CUT INTO THE MANHOLE WALL WHEN OUTSIDE DROPS ARE CONSTRUCTED ON EXISTING MANHOLES. SUCH OPENINGS CUT INTO EXISTING MANHOLES SHALL BE AS SMALL AS PRACTICAL TO FACILITATE INSTALLING AND GROUTING THE NEW PIPE IN PLACE. WATERSTOP GASKETS SHALL BE USED WITH P.V.C. AND A.B.S. COMPOSITE PIPE. THE NEW PIPE SHALL BE GROUTED INTO THE OPENING USING AN APPROVED NONSHRINK GROUT FOR THE FULL MANHOLE WALL THICKNESS. THE EXTERIOR OF THE COMPLETED CONNECTION SHALL BE SEALED WITH AN APPROVED BITUMINOUS COATING SUCH THAT THE CONNECTION WILL BE WATER TIGHT. FLOOR OF MANHOLE SHALL BE MODIFIED TO FORM NEW FLOW CHANNEL FOR THE NEW CONNECTION AS INDICATED BY THE DRAWING. THE VERTICAL DROP FROM THE LOWER PIPE ON SUCH OUTSIDE DROP CONNECTIONS SHALL NOT EXCEED 4' FOR INFLOWING PIPES SIZED 12" OR SMALLER AND 2' FOR INFLOWING PIPES SIZED LARGER THAN 12", EXCEPT THE CROWN OF THE LOWER PIPE SHALL NEVER BE SET BELOW THE CROWN OF ANY LARGER OUTFLOWING PIPE. THIS WORK, INCLUDING MODIFICATION OF MANHOLE FLOOR, SHALL BE PAID FOR AT THE UNIT PRICE BID FOR OUTSIDE DROP STACK CONSTRUCTED ON EXISTING MANHOLE.

4. THE FLOORS OF ALL MANHOLES SHALL BE SHAPED WITH FLOW CHANNELS SUCH THAT THE MANHOLES WILL BE SELF CLEANING AND FREE OF AREAS WHERE SOLIDS COULD BE DEPOSITED AS SEWAGE FLOWS THROUGH THE MANHOLE FROM ALL INLET PIPES TO THE OUTLET PIPE. FLOW CHANNELS SHALL BE FORMED TO MATCH THE BOTTOM HALVES OF THE INFLOWING PIPES AND THE OUTFLOWING PIPE AS SHOWN BY THE DRAWINGS EXCEPT FOR INSIDE DROP MANHOLES. FLOW CHANNELS FOR INSIDE DROP MANHOLES SHALL BE CONSTRUCTED AS INDICATED BY THE DRAWING. MANHOLE FLOORS SHALL HAVE SLOPES OF 3 INCHES PER FOOT IN THE AREAS OUTSIDE OF THE FLOW CHANNELS SLOPED TOWARD THE FLOW CHANNELS. PIPES LAID THROUGH MANHOLES SHALL HAVE THE TOP HALF REMOVED TO MEET LINES FOR THE FULL INSIDE DIAMETER OF THE MANHOLE. MANHOLE FLOORS SHALL THEN BE SHAPED AROUND THE BOTTOM HALF OF THE PIPE WHICH FORMS THE FLOW CHANNEL.

5. PIPES INSTALLED WITHIN THE EXCAVATION MADE FOR THE MANHOLE SHALL BE CRADLED WITH CONCRETE TO THE LIMITS OF THE MANHOLE EXCAVATION. WHEN CLAY PIPE IS USED, THE CRADLE SHALL EXTEND TO THE FIRST JOINT OUTSIDE THE MANHOLE. THE CRADLE SHALL BE TERMINATED AT THE CLAY PIPE JOINT IN A MANNER WHICH WILL MAINTAIN THE FLEXIBILITY OF THE JOINT. COST OF CRADLE WITHIN MANHOLE EXCAVATION OR TO CLAY PIPE JOINTS ADJACENT TO MANHOLE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE MANHOLE.

6. MANHOLE COVER CASTINGS AND MANHOLE FRAME CASTINGS SHALL CONFORM TO THE REQUIREMENTS AS INDICATED IN THE STANDARD SPECIFICATIONS AND AS SHOWN IN THE STANDARD DETAIL DRAWINGS.

7. **THE VERTICAL FREE FALL DROP INSIDE MANHOLES SHALL NOT EXCEED 2'.**

   THE CROWN OF INFLOWING PIPES SHALL NEVER BE SET LOWER THAN THE CROWN OF THE OUTFLOWING PIPE.

8. STANDARD MANHOLES TYPE "B" AND STANDARD INSIDE DROP MANHOLES TYPE "B" SHALL BE BID AS STANDARD MANHOLES FOR THE TYPE AND DIAMETER INDICATED. OUTSIDE DROP MANHOLES TYPE "B" SHALL BE BID AS STANDARD OUTSIDE DROP MANHOLES FOR THE TYPE AND DIAMETER INDICATED. ALL MANHOLE DIAMETERS WILL BE 4' UNLESS INDICATED OTHERWISE.

NOTE NO. 7 REVISED JAN 1991

ALL CONSTRUCTION ACTIVITY SHALL CONFORM TO THE MINIMUM REQUIRMENTS AS PER PROMULGATED BY CURRENT O.S.H.A. STANDARDS.

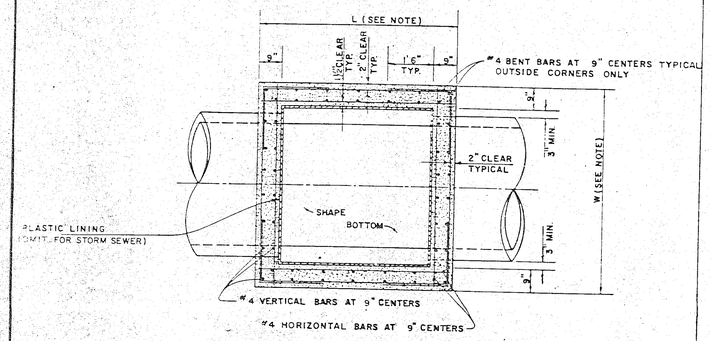
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REVISION DATE	NO.	ISSUE

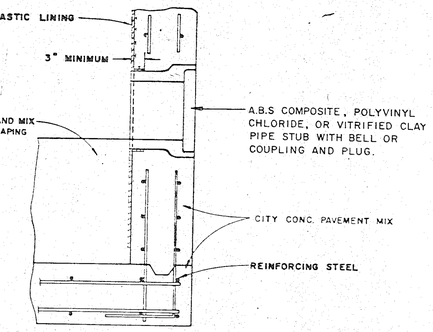
SCE
SOUTHERN CIVIL ENGINEERS, INC.
1700 PEACHTREE STREET SUITE 405
ATLANTA, GEORGIA 30309
(404) 874-7690

PROJECT DESCRIPTION
EAST BANK / WATER WALK DEVELOPMENT
WICHITA, KANSAS

DESIGNED	FVP
DRAWN	H.B.McD
CHECKED	JPH
DATE	10/30/1995
PROJ NO.	95075
SHEET TITLE	SEWER APPURTENANCES DETAILS
DRAWING NO.	C-10

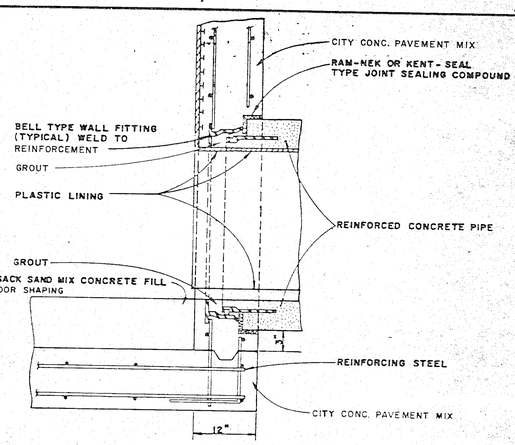


TOP VIEW

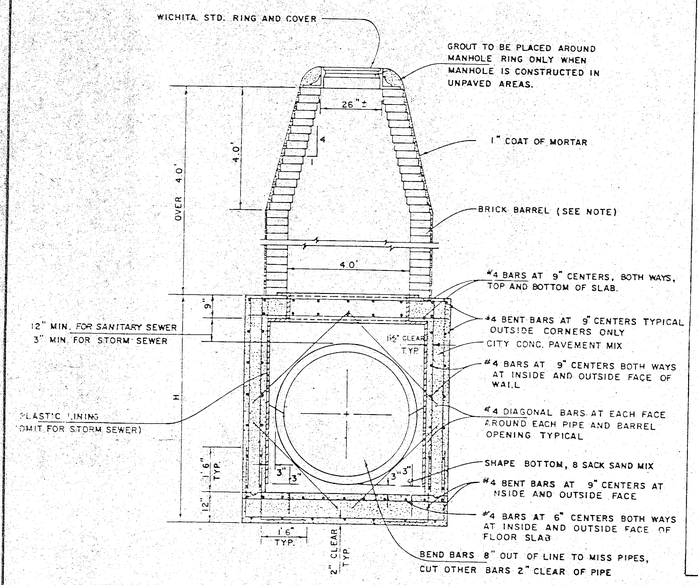


NOTE: WATERSTOP GASKETS MUST BE USED WITH A.B.S COMPOSITE OR P.V.C. PIPE.

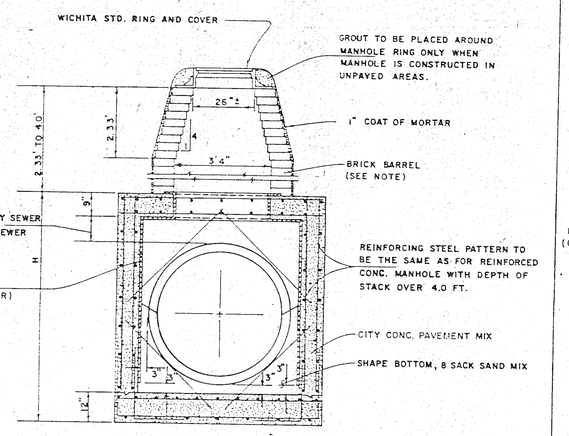
PIPE STUB DETAIL
SANITARY SEWER ONLY



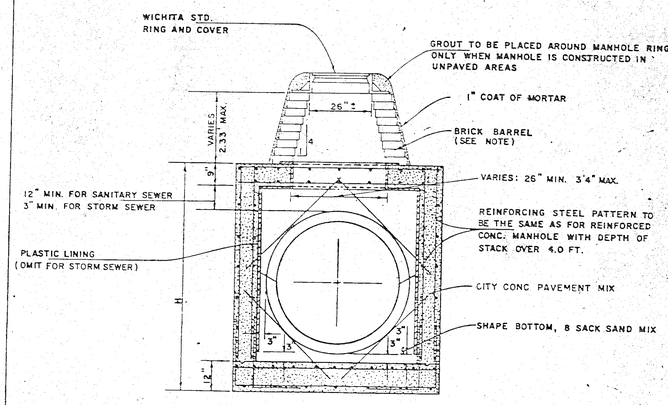
R.C.P. CONNECTION DETAIL
SANITARY SEWER ONLY



REINFORCED CONCRETE MANHOLE
DEPTH OF STACK: OVER 4.0'
SCALE 1" = 2'



REINFORCED CONCRETE MANHOLE
DEPTH OF STACK: 2.33' TO 4.0'
SCALE 1" = 2'



REINFORCED CONCRETE MANHOLE
DEPTH OF STACK: 0' TO 2.33'
SCALE 1" = 2'

NOTE:

BRICK BARRELS LESS THEN 16' DEEP SHALL HAVE 8" WALLS EXCEPT WHEN LOCATED WITHIN PUBLIC STREET OR ALLEY PAVEMENT THEN THE WALL SHALL BE 12". BRICK BARRELS MORE THEN 16' DEEP SHALL HAVE 12" WALLS. THE "L" AND "W" DIMENSIONS SHALL BE A MINIMUM OF 5'6" FOR BRICK BARRELS WITH 8" WALLS AND 6'2" FOR BRICK BARRELS WITH 12" WALLS WHEN THE BRICK BARRELS ARE OVER 4 FT. IN HEIGHT. COMLETED MANHOLE SHALL BE WITHOUT LEAKS AND WATERTIGHT.

REVISIED 1-7-85

STANDARD DETAILS
REINFORCED CONCRETE MANHOLES
CITY OF WICHITA

FEBRUARY 1984

REVISION DATE | NO | ISSUE

SCE
SOUTHERN CIVIL ENGINEERS, INC.
700 PEACHTREE STREET, SUITE 405
ATLANTA, GEORGIA 30308
(404) 874-7800

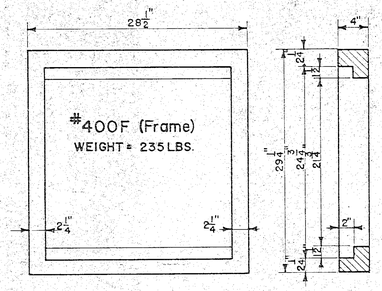
PROJECT DESCRIPTION
EAST BANK / WATER WALK DEVELOPMENT
WICHITA, KANSAS

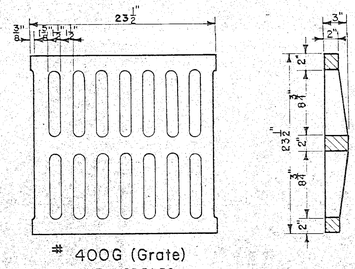
DESIGNED: FVP
DRAWN: H.B.M.D
CHECKED: JRH
DATE: 10/30/1995
PROJ NO. 95075
SHEET TITLE: STANDARD REINF. CONC. MANHOLE DETAIL
DRAWING NO.
C-11

ALL CONSTRUCTION ACTIVITY SHALL CONFORM TO THE MINIMUM REQUIRMENTS AS PER PROMULGATED BY CURRENT O.S.H.A. STANDARDS.

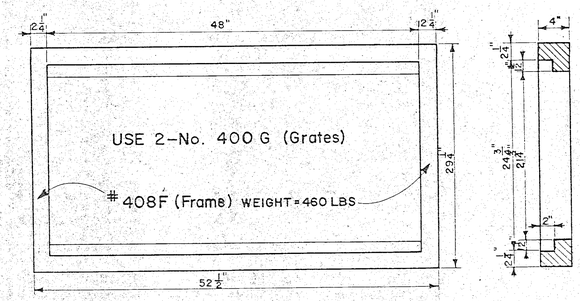
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NOTE: Grates shall be imprinted on the top surface with "CITY OF WICHITA" using letters at least 1" in height. Other marking methods may be used only if approved by the engineer.

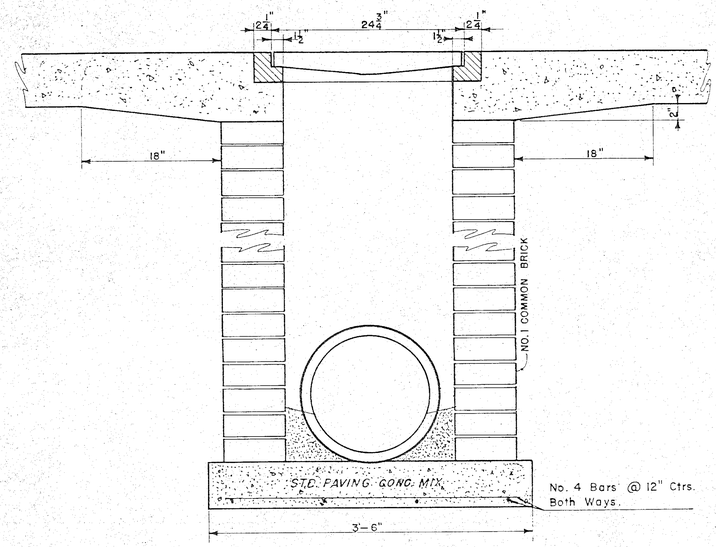


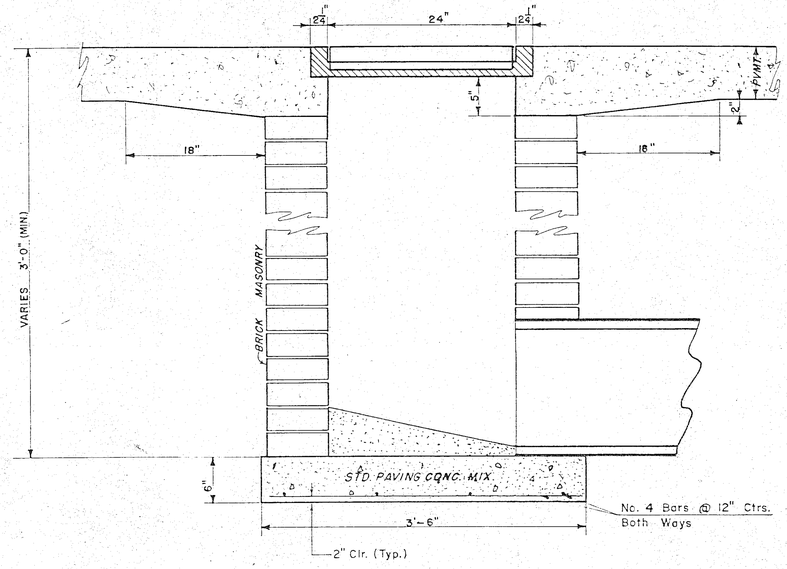


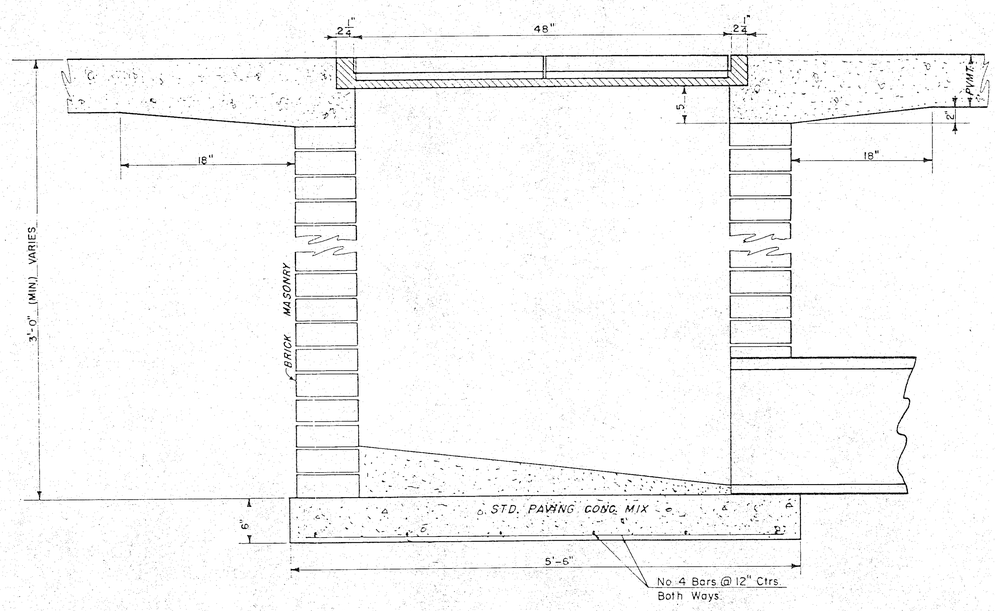
24"x24" Frame & Grate Detail



Double 24"x24" Frame Detail







DROP INLET DETAILS

M.E. Lindebak, City Engineer
City of Wichita, Kansas
Project
Project No.
Date:
Scale: 1-1/2" = 1'-0"

ALL CONSTRUCTION ACTIVITY SHALL CONFORM TO THE MINIMUM REQUIRMENTS AS PER PROMULGATED BY CURRENT O.S.H.A. STANDARDS.

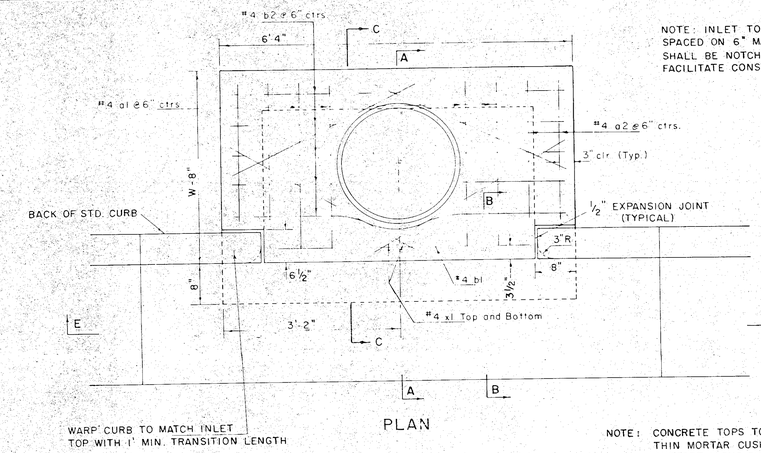
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REVISION | DATE | NO. | ISSUE

SCE
SOUTHERN CIVIL ENGINEERS, INC.
1700 PEACHTREE STREET - SUITE 405
ATLANTA, GEORGIA - 30309
(404) 874-7890

PROJECT DESCRIPTION
EAST BANK / WATER WALK DEVELOPMENT
WICHITA, KANSAS

DESIGNED: FVP
DRAWN: H.B.McC
CHECKED: JRH
DATE: 10/30/1996
PROJ. NO. 95075
SHEET TITLE: STANDARD DROP INLET DETAILS
DRAWING NO.
C-13

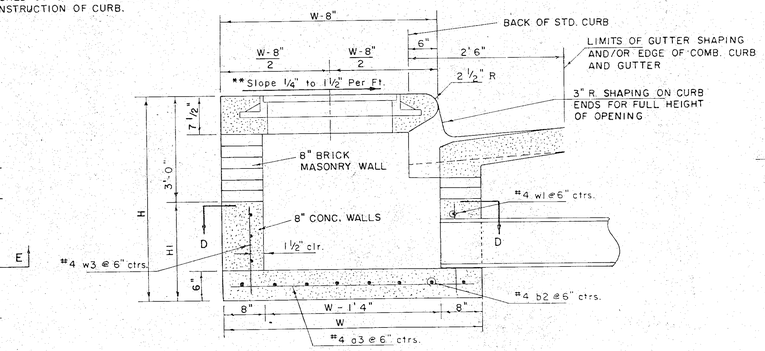


PLAN

WARP CURB TO MATCH INLET TOP WITH 1' MIN. TRANSITION LENGTH

NOTE: INLET TOP REINFORCING SHALL BE SPACED ON 6" MAX. CENTERS. INLET LIDS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB.

NOTE: CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST. CONCRETE USED FOR INLET CONSTRUCTION SHALL BE CONCRETE PAVEMENT MIX.



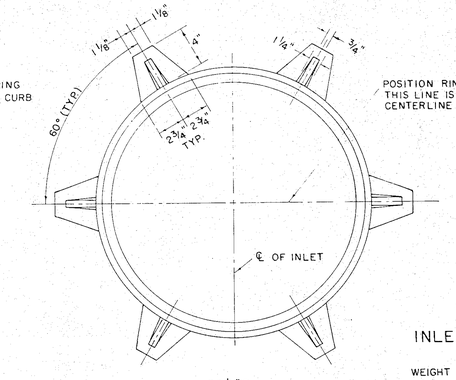
SECTION A-A

** NOTE: Slope of Inlet Tops to match Sidewalk or Parking Slopes within Limits Indicated.

NOTE CONTRACTOR SHALL HAVE THE OPTION OF CONSTRUCTING 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP ON THIS INLET WHEN W = 6'4" AND H = 7'0" OR LESS.

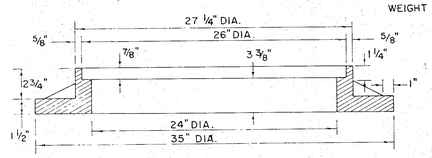
INLET INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.

THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.



INLET FRAME

WEIGHT = 180 LBS.



SEE CITY OF WICHITA STANDARD MANHOLE FRAME AND COVER DETAIL SHEET FOR COVER DETAILS TO BE USED WITH INLET FRAME.

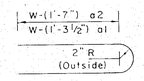
PRECAST SLAB AND FLOOR REINFORCING												
		W = 4'-4"		W = 5'-4"		W = 6'-4"		W = 7'-4"		W = 8'-4"	
Mark	Size	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length
fa1	#4	6	6'-7"	6	8'-7"	6	10'-7"	6	12'-7"	6	14'-7"
a2	#4	4	6'-0"	4	8'-0"	4	10'-0"	4	12'-0"	4	14'-0"
a3	#4	13	4'-1"	13	5'-1"	13	6'-1"	13	7'-1"	13	8'-1"
b1	#4	1	4'-9"	1	4'-9"	1	4'-9"	1	4'-9"	1	4'-9"
fb2	#4	23	6'-1"	29	6'-1"	35	6'-1"	41	6'-1"	47	6'-1"
x1	#4	8	3'-10"	8	4'-2"	8	4'-6"	8	4'-10"	8	5'-2"
WALL REINFORCING											
		W = 4'-4"		W = 5'-4"		W = 6'-4"		W = 7'-4"		W = 8'-4"	
Mark	Size	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length
w1	#4	①	6'-1"	①	6'-1"	①	6'-1"	①	6'-1"	①	6'-1"
w2	#4	①	4'-1"	①	5'-1"	①	6'-1"	①	7'-1"	①	8'-1"
w3	#4	32	②	36	②	40	②	44	②	48	②

Field bend or cut Reinforcing as required for clearance.

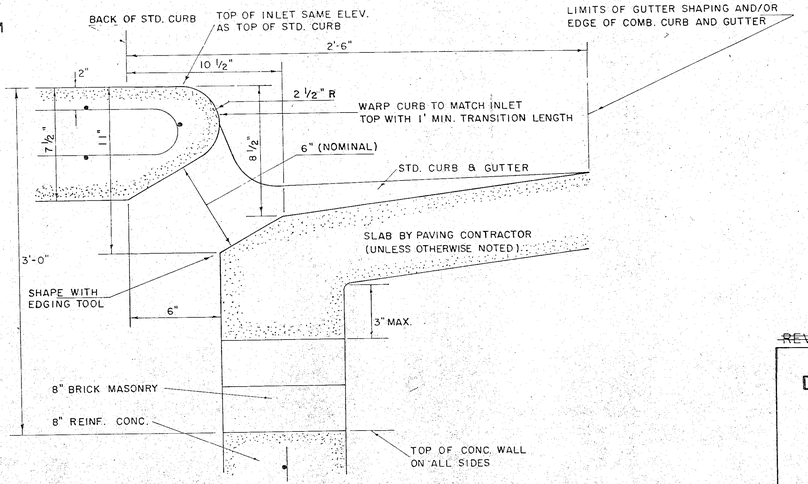
① 4(H1-12"); (H1-12") Round down to nearest 0.5'

② H1-3"

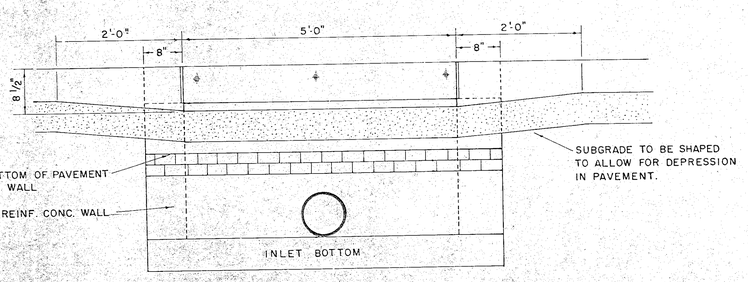
STANDARD CURB INLET PRECAST TOPS				
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4' 4"	3'8" 6'4" 7 1/2"	21" & SMALLER	0.38 ±
5' 4"	4'8" 6'4" 7 1/2"	24" & 30"	0.51 ±
6' 4"	5'8" 6'4" 7 1/2"	36" & 42"	0.64 ±
7' 4"	6'8" 6'4" 7 1/2"	48" & 54"	0.77 ±
8' 4"	7'8" 6'4" 7 1/2"	60" & 66"	0.90 ±



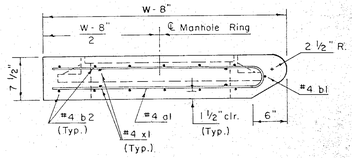
BENDING DIAGRAM



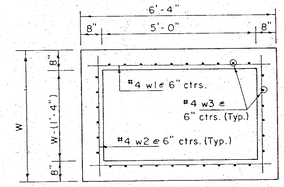
SECTION B-B



SECTION E-E



SECTION C-C



SECTION D-D

~~REVISED 12-21-1984~~ REVISED 2-15-1989

DETAIL STANDARD TYPE I CURB INLET

CITY OF WICHITA, KANSAS

INLET OPENING = 6" × 5'0"

JUNE 1984

[redacted]

REVISION DATE NO. ISSUE

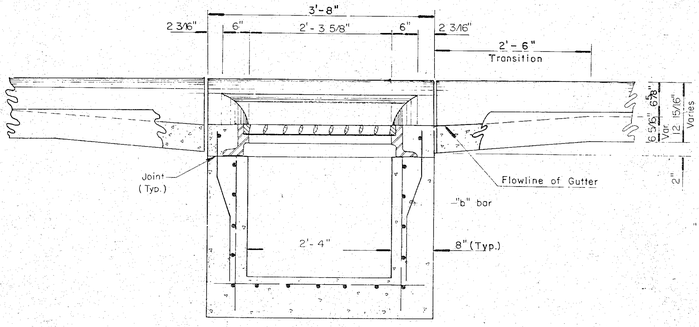
SCE
SOUTHERN CIVIL ENGINEERS, INC.
1708 PEACHTREE STREET - SUITE 405
ATLANTA, GEORGIA - 30309
(404) 874-7690

PROJECT DESCRIPTION
EAST BANK / WATER WALK DEVELOPMENT
WICHITA, KANSAS

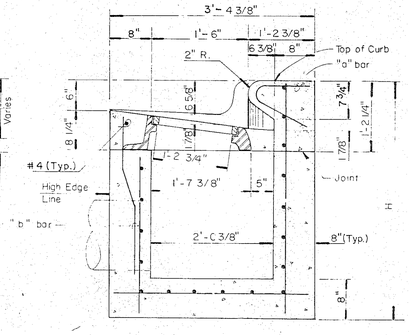
DESIGNED: FVP
DRAWN: HB McD
CHECKED: JPH
DATE: 10/30/1995
PROJ. NO. 95075
SHEET TITLE: STANDARD TYPE I CURB INLET DETAILS
DRAWING NO. C-14

THIS DRAWING IS THE PROPERTY OF THE ENGINEER AND MAY NOT BE REPRODUCED WITHOUT WRITTEN PERMISSION. BY SOUTHERN CIVIL ENGINEERS, INC.

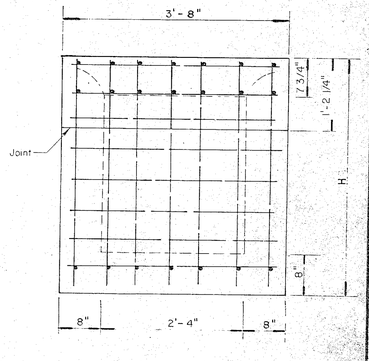
ALL CONSTRUCTION ACTIVITY SHALL CONFORM TO THE MINIMUM REQUIRMENTS AS PER PROMULGATED BY CURRENT O.S.H.A. STANDARDS.



SECTION C-C

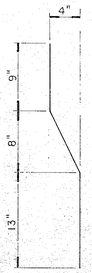


SECTION A-A

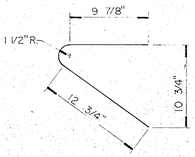


REAR WALL

SECTION D-D

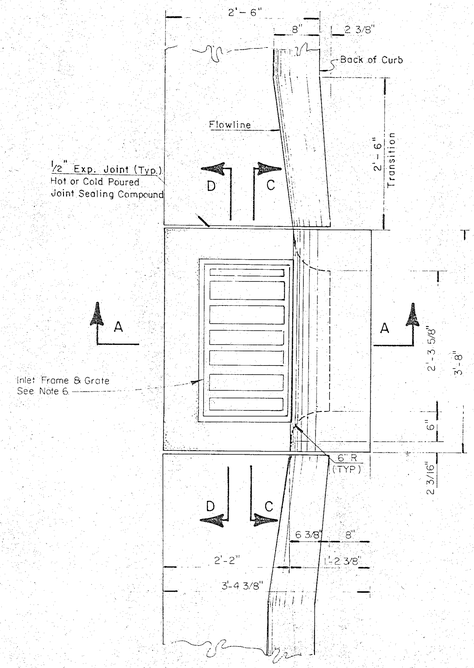


"b" bar



"a" bar

BENDING DIAGRAM



GENERAL NOTES:

1. Use the concrete mix specified for the City of Wichita concrete pavement throughout. All exposed edges shall be finished with an edging tool. Reinforcing bars shall be bent around pipe.
2. Inlet invert shall be shaped with 8 sack mix concrete to create flow channels and to increase hydraulic efficiency such that the inlet will be self cleaning between all inlet and/or outlet pipes.
3. All bars are #4 with 6" spacing and shall have a minimum clearance of 1½ inches unless otherwise noted on the plans.
4. When directed by the Engineer, a small opening may be required in the back of the inlet in order to drain a low area. Reinforcing bars will extend through the openings. No deductions in concrete quantities will be made for these openings.
5. No deductions will be made in pay length of curb, gutter, or curb and gutter through the inlet area.
6. Use Neenah R-3289 HV Single Inlet Frame and Grate or approved equal. Inlet frame to be proof load tested to 40,000 lbs on unsupported side.
7. Reinforcing bars shall be cut or bent around pipes. No deduction in concrete quantities shall be made for pipe openings.
8. The vanes of the grate shall be oriented with respect to the flow arrows shown on the plans.
9. **DEETER FOUNDRY, Inc. casting No. 2441 with style H grate is an approved equal to NEENAH castings specified. Inlet drawing is based on NEENAH castings and concrete walls and supports will require some field modification to accomodate DEETER castings.**

DETAIL STANDARD TYPE II CURB INLET

CITY OF WICHITA, KANSAS

INLET OPENING = 6"x2'-3 5/8"

JANUARY, 1987

REVISION	DATE	NO.	ISSUE

SCE
SOUTHERN CIVIL ENGINEERS, INC.
1708 PEACHTREE STREET - SUITE 405
ATLANTA, GEORGIA - 30309
(404) 874-7000

PROJECT DESCRIPTION

EAST BANK / WATER WALK DEVELOPMENT

WICHITA, KANSAS

DESIGNED:	FVP
DRAWN:	H.B.McD
CHECKED:	JRH
DATE:	10/30/1986
PROJ. NO.	85075
SHEET TITLE:	STANDARD TYPE II CURB INLET DETAILS
DRAWING NO.	C-15

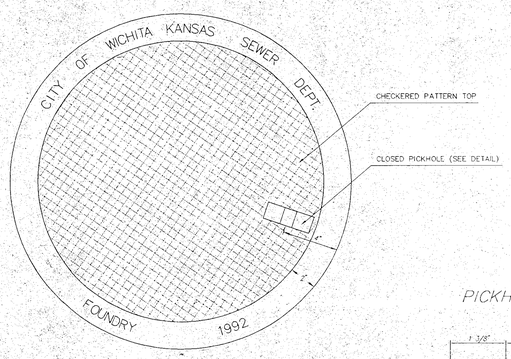
ALL CONSTRUCTION ACTIVITY SHALL CONFORM TO THE MINIMUM REQUIRMENTS AS PER PROMULGATED BY CURRENT O.S.H.A. STANDARDS.

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MANHOLE FRAME AND COVER DETAIL
(WIDE FLANGED FRAME)

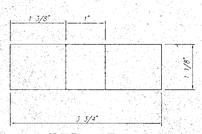
ADOPTED AS STANDARD DESIGN BY
CITY OF WICHITA, KANSAS

MANHOLE COVER
Weight = 180 Lbs.

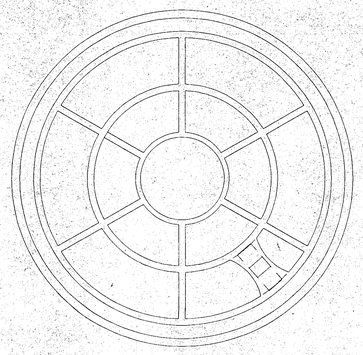


TOP VIEW

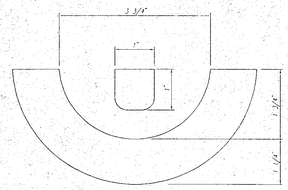
PICKHOLE DETAIL



TOP VIEW

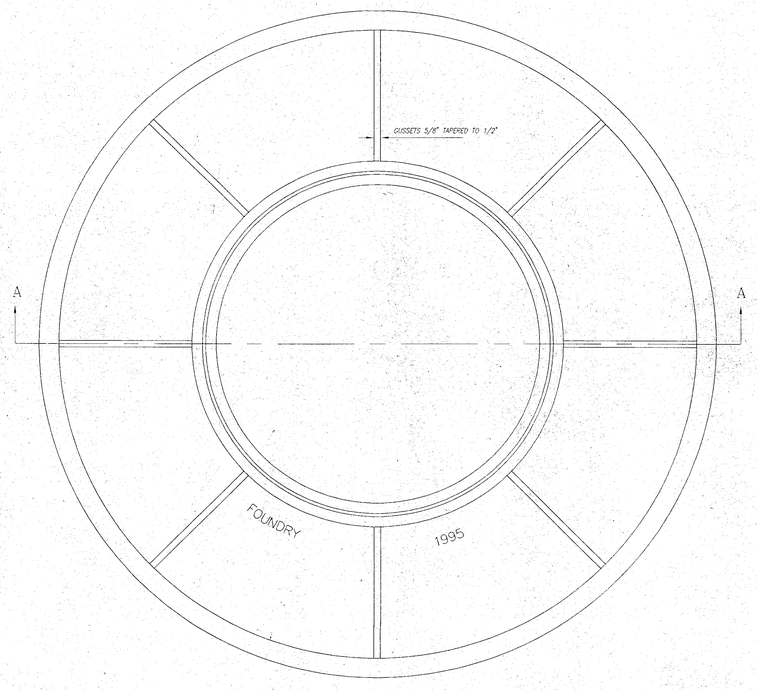


BOTTOM VIEW

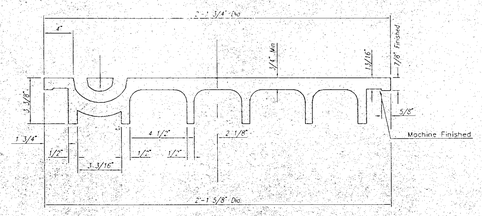


SECTION VIEW

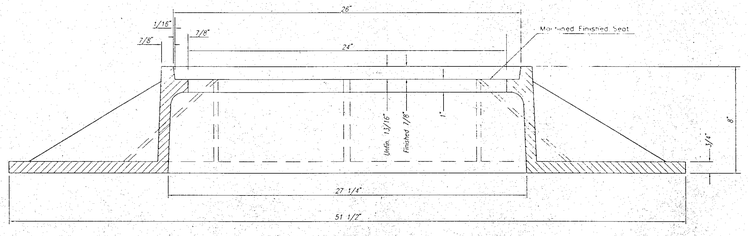
MANHOLE FRAME
Weight = 525 Lbs.



TOP VIEW



SECTION VIEW



SECTION A–A

GENERAL NOTES

MANHOLE CASTINGS SHALL BE MANUFACTURED USING GOOD QUALITY GRAY IRON CONFORMING TO CLASS 30 OF A.S.T.M. DESIGNATION A-48. DIMENSIONS AND WEIGHTS SHOWN ON THE DETAILED DRAWINGS SHALL BE CONSIDERED AS MINIMUM REQUIREMENTS AND ANY DEVIATIONS FROM THE DIMENSIONS SHOWN MUST BE SPECIFICALLY APPROVED. THE FINISHED CASTINGS SHALL BE OF UNIFORM QUALITY, FREE FROM BLOWHOLES, POROSITY, HARD SPOTS, SHRINKAGE DISTORTIONS OR OTHER DEFECTS.

MANHOLE CASTINGS SHALL BE MANUFACTURED SUCH THAT A COVER MANUFACTURED BY ANY ONE FOUNDARY WILL FIT INTERCHANGEABLY INTO A FRAME MANUFACTURED BY ANOTHER FOUNDRY AND STILL MEET ALLOWABLE CLEARANCES AND NON-ROCKING REQUIREMENTS. THIS WILL REQUIRE MANUFACTURING OF THE MATCHING FACES ON THE COVER AND THE FRAME TO CLOSE TOLERANCES.

THE OUTSIDE CIRCUMFERENCE OF THE VERTICAL FACE OF THE COVER AND THE INSIDE CIRCUMFERENCE OF THE VERTICAL FACE IN THE FRAME RECESS SHALL BE MANUFACTURED TO TOLERANCES SUCH THAT THE CLEARANCE BETWEEN THE COVER AND FRAME WILL NOT EXCEED 1/8" AT ANY POINT AROUND THE CIRCUMFERENCE OF THE COVER. THE SEATING SURFACES BETWEEN THE COVER AND FRAME SHALL BE MACHINED SUCH AS THESE SURFACES SHALL MAKE FULL CONTACT FOR THEIR FULL CIRCUMFERENCE TO PRECLUDE THE COVER FROM ROCKING IN THE FRAME.

THE MANHOLE FRAME AND COVER SHALL BE MARKED WITH LETTERING INDICATING THE NAME OF THE MANUFACTURER AND THE YEAR WHEN THE COVER OR FRAME WAS CAST. THE COVER SHALL BE FURTHER IDENTIFIED WITH REGARDS TO OWNERSHIP USING LETTERS AT LEAST 1 INCH IN HEIGHT. THIS IDENTIFICATION SHALL BE "CITY OF WICHITA SEWER DEPARTMENT". THE WORD DEPARTMENT MAY BE ABBREVIATED. THE TEXTURE OF THE TOP SURFACE OF THE COVER SHALL BE MANUFACTURED IN A CHECKERED PATTERN DESIGN AS INDICATED ON THE DRAWINGS. SMOOTH BLOCKOUTS SHALL BE UTILIZED TO HIGHLIGHT THE LETTERING ON THE COVER SURFACE. THE TOTAL AREA OF SMOOTH SURFACE BLOCKOUT SHALL NOT EXCEED THE AREA AS INDICATED ON THE DRAWING. POSITIONING OF SMOOTH BLOCKOUTS AND LETTERING MAY VARY FROM THAT SHOWN ON THE DETAILED DRAWING.

MANHOLE CASTINGS SHALL WEIGH A MINIMUM OF 180 POUNDS ON THE SOLID COVER AND 240 POUNDS ON THE MANHOLE RING. THIS IS A TOTAL OF 420 POUNDS ON A RING AND COVER SET. CASTINGS WEIGHING LESS THAN THE MINIMUM SPECIFICATIONS WILL NOT BE ACCEPTED.

TO INSURE CONFORMANCE TO TENSILE STRENGTH REQUIREMENTS ALL CASTINGS SHALL BE JULIAN HEAT DATED WITH THE FOLLOWING REQUIREMENTS:

TWO TEST BAR SPECIMENS MUST BE POURED WHEN PRODUCING CITY OF WICHITA CASTINGS. ONE OF THE TEST BAR SPECIMENS SHALL BE SENT TO AN INDEPENDENT LABORATORY FOR TENSILE STRENGTH VERIFICATION TESTING. A TEST REPORT SHALL ACCOMPANY EACH SHIPMENT OF CASTINGS. THE HEAT DATE(S) ON THE CASTINGS SHALL RESPOND TO THE TENSILE STRENGTH REPORT(S). THE TEST REPORT WILL BE PAID FOR BY THE SUPPLIER. THE REMAINING TEST BAR SPECIMEN WILL BE SHIPPED TO SEWER MAINTENANCE AT 715 W. HARRY, WICHITA, KANSAS 67213.

MANHOLE FRAME AND COVER DETAIL
(WIDE FLANGED FRAME)

CITY OF WICHITA, KANSAS
M. E. LINDEBAK – CITY ENGINEER

REVISED 6/27/95

PROJ. NO. 468-76-245- -000-000-001

SHEET OF

10-1-1-35

ALL CONSTRUCTION ACTIVITY SHALL CONFORM TO THE MINIMUM REQUIRMENTS AS PER PROMULGATED BY CURRENT O.S.H.A. STANDARDS.

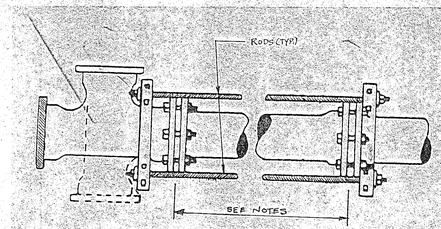
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REVISION	DATE	NO.	ISSUE

SCE
SOUTHERN CIVIL ENGINEERS, INC.
1700 PEACHTREE STREET - SUITE 405
ATLANTA, GEORGIA 30309
(404) 874-7880

PROJECT DESCRIPTION
EAST BANK / WATER WALK DEVELOPMENT
WICHITA, KANSAS

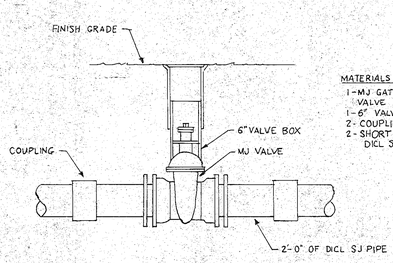
DESIGNED: FVP
DRAWN: H.B.McD
CHECKED: JRH
DATE: 10/30/1995
PROJ NO. 95075
SHEET TITLE: MANHOLE FRAME AND COVER DETAIL WIDE FLANGED FRAME
DRAWING NO. C-16



RESTRAINING JOINT DETAIL

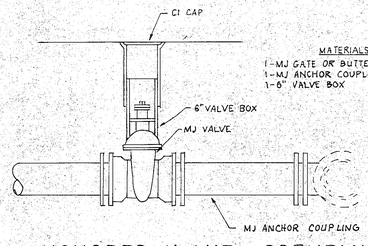
NOTES:

1. IN THE ASSEMBLIES OF RODS AND CLAMPS SHOWN, RODS RUN FROM A LUG ON THE FITTING (OR A CLAMP BEHIND THE HUB OF A BELL) TO A CLAMP AGAINST THE FACE OF A BELL. NOTE THAT THIS ARRANGEMENT ANCHORS ONLY ONE JOINT. THE STABILITY OF THE JOINT WHERE THE CLAMP IS AGAINST THE FACE OF THE BELL DEPENDS ON HAVING SOIL ABOVE A RELATIVELY LONG PIECE OF PIPE ON BOTH SIDES OF THE JOINT. CONSEQUENTLY, IF THE DISTANCE BETWEEN THE FIRST AND SECOND JOINT IS LESS THAN 12 FEET, THE SECOND JOINT SHOWN SHALL BE ANCHORED BY A CLAMP BEHIND THE HUB OF THE BELL AND RODS TO A CLAMP AT THE FACE OF THE NEXT BELL.
2. IN THE ASSEMBLIES SHOWN FOR RODS TO FLANGED FITTINGS, NOTE THAT THE FLANGED FITTING IS NOT TO BE BURIED IN SOIL.
3. AFTER INSTALLATION TIE RODS AND CLAMP ASSEMBLY SHALL BE THOROUGHLY COVERED WITH ROYSTON LABORATORIES INC. ROSKOTE MASTIC NO 1099 OR KOPPERS CO. INC. BITUMASTIC SUPERSERVICE BLACK OR APPROVED EQUIVALENT.
4. RODS TO BE HIGH TENSILE, HOT ROLLED STEEL WITH TENSILE STRENGTH OF 150,000 P.S.I. AND A MINIMUM FIELD STRENGTH OF 130,000 P.S.I.



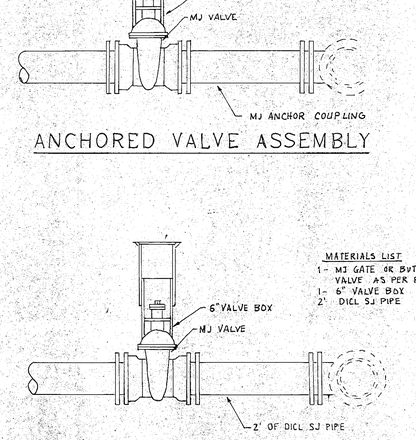
MATERIALS LIST
1-MJ GATE OR BUTTERFLY VALVE AS PER PLAN
1-6" VALVE BOX
2-COUPLINGS
2-SHORT PCS DICL SJ PIPE

LINE VALVE ASSEMBLY



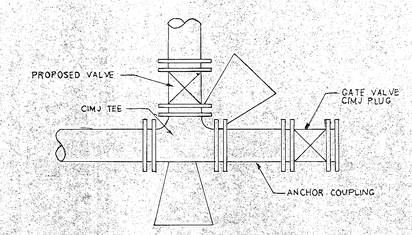
MATERIALS LIST
1-MJ GATE OR BUTTERFLY VALVE (AS PER PLAN)
1-MJ ANCHOR COUPLING (12" OR SMALLER)
1-6" VALVE BOX

ANCHORED VALVE ASSEMBLY

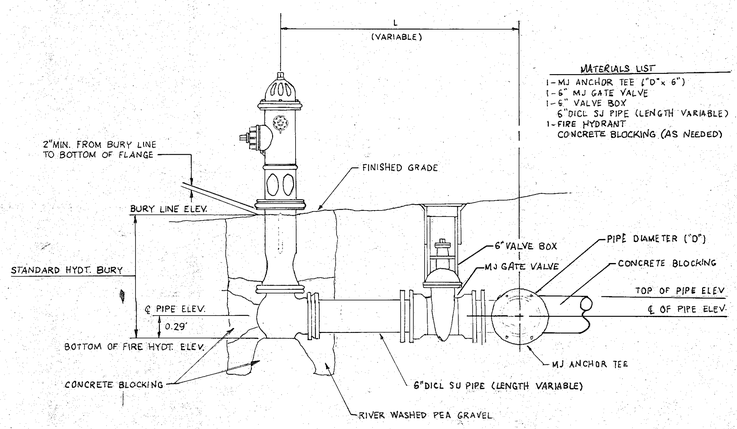


MATERIALS LIST
1- MJ GATE OR BUTTERFLY VALVE AS PER PLAN
1- 6" VALVE BOX
2' DICL SJ PIPE

VALVE ASSEMBLY



KEY BLOCK DETAIL



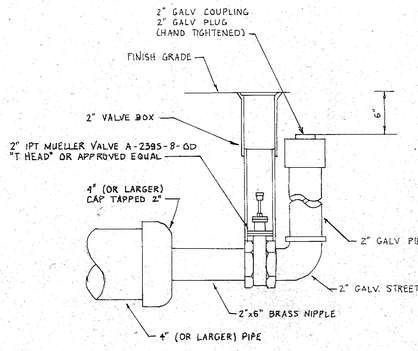
MATERIALS LIST
1-MJ ANCHOR TEE ("D"x 6")
1-6" MJ GATE VALVE
1-6" VALVE BOX
6"DICL SJ PIPE (LENGTH VARIABLE)
1-FIRE HYDRANT
CONCRETE BLOCKING (AS NEEDED)

FIRE HYDRANT ASSEMBLY

PER CITY OF WITCHITA SPECIFICATIONS

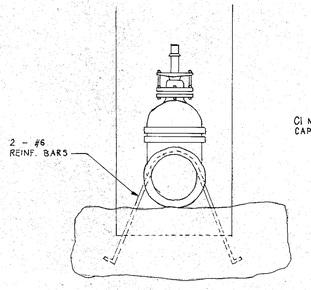
FIRE HYDRANTS REQUIRED			
STATION	BURY LINE ELEVATION	TOP OF PIPE ELEVATION	FIRE HYDRANT BURY REQUIRED
Repeat in CM-1			

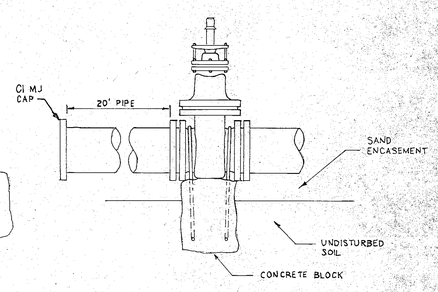
IF HYDRANT BURY IS IN EXCESS OF 5', CONTRACTOR SHALL USE STANDARD 5' HYDRANT BURY AND HYDRANT BARREL EXTENSIONS AS NECESSARY.



MATERIALS LIST
1-2" VALVE BOX
1-CIMJ CAP
1-2"x6" BRASS NIPPLE
1-2" IPT MUELLER VALVE A-2395-8-O. "T HEAD" OR APPROVED EQUAL
1-GALV STREET EL
2" GALV. PIPE (AS REQUIRED)
1-2" GALV. COUPLING
1-2" GALV. PLUG (HAND TIGHTENED)

2" BLOWOFF ASSEMBLY



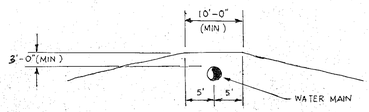


Notes

1. Concrete Block at valve to have sufficient bearing in undisturbed soil to prevent thrust movement as shown in table at right. Field Engineer to determine thrust loading of undisturbed soil and final size of thrust block.
2. Provide clearance around flanges to M.J. accessories.
3. Valve block to be included in bid item of Concrete for thrust blocks.
4. All valves at dead ends and at other locations as called out on the plans shall be blocked as shown here.

THRUST AT VALVES	
VALVE	THRUST AT 150 #/in²
4"	1809 lbs.
6"	4243 lbs.
8"	7540 lbs.
12"	16965 lbs.

ANCHORED VALVE ASSEMBLY, SPECIAL



PROTECTIVE FILL DETAIL

MINIMUM PROTECTIVE FILL SHALL BE PROVIDED IN ALL INSTANCES WHERE COVER OVER THE PROP WATER LINE IS LESS THAN (2) FEET. (COST SUBSIDIARY TO PIPE INSTALLATION)

STANDARD WATER ASSEMBLY DETAILS

CITY OF WICHITA

February 1996

REVISION DATE NO. ISSUE

SCE SOUTHERN CIVIL ENGINEERS, INC. 1706 PEACHTREE STREET SUITE 405 ATLANTA, GEORGIA 30309 (404) 874-7090

PROJECT DESCRIPTION
EAST BANK / WATER WALK DEVELOPMENT
WICHITA, KANSAS

DESIGNED: F.V.P.
DRAWN: H.B.McD.
CHECKED: R.H.
DATE: 10/30/1996
PROJ NO: 95075
SHEET TITLE: STANDARD WATER ASSEMBLY DETAILS
DRAWING NO: C-17

ALL CONSTRUCTION ACTIVITY SHALL CONFORM TO THE MINIMUM REQUIRMENTS AS PER PROMULGATED BY CURRENT O.S.H.A. STANDARDS.

THIS DRAWING IS THE PROPERTY OF THE ENGINEER AND MAY NOT BE REPRODUCED WITHOUT WRITTEN PERMISSION. BY SOUTHERN CIVIL ENGINEERS, INC.

RFI # 53

MARTIN K. EBY CONSTRUCTION CO., INC.

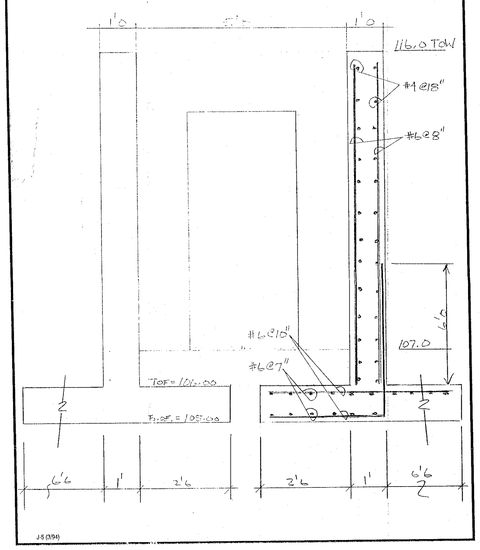
PROJECT: Victoria Village, LP

LOCATION: Wing Walls & Storm Water

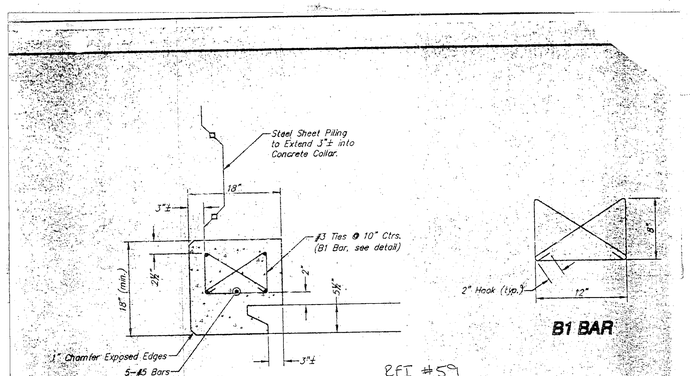
JOB NO. 2.1-00

BY: AL CKD.

DATE: 2-[illegible] SHEET NO. OF

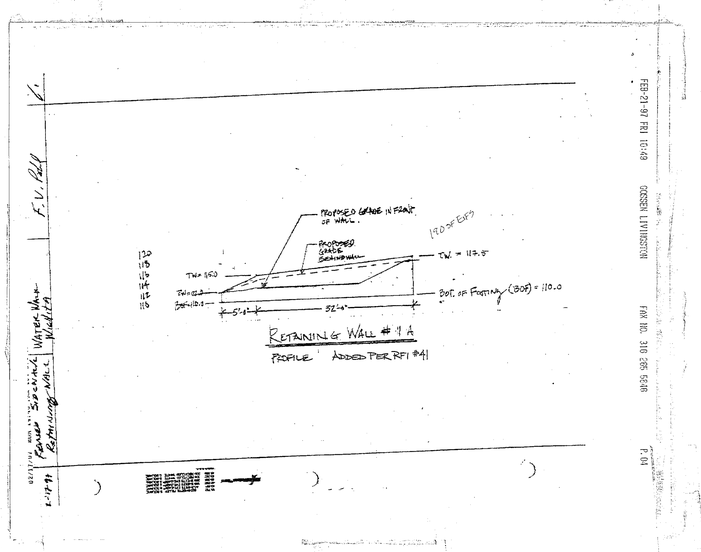


RFI # 53
WITH WALL REINFORCING

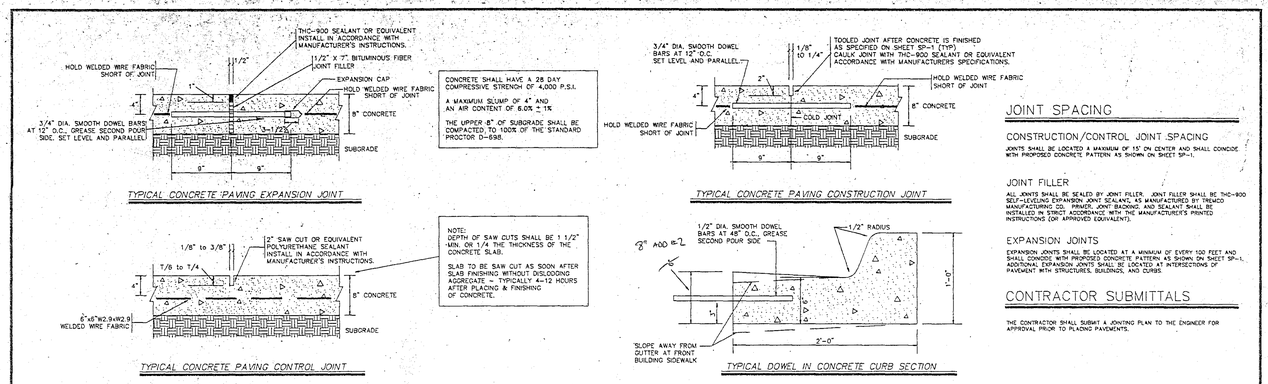


RFI #59

SECTION A



FEB-21-97 FRI 10:48 OGDEN LIVINGSTON FAX NO. 310 295 5406 P.04



JOINT SPACING

CONSTRUCTION/CONTROL JOINT SPACING

JOINTS SHALL BE LOCATED A MAXIMUM OF 15' ON CENTER AND SHALL COINCIDE WITH PROPOSED CONCRETE PATTERN AS SHOWN ON SHEET SP-1.

JOINT FILLER

ALL JOINTS SHALL BE SEALED BY JOINT FILLER. JOINT FILLER SHALL BE THC-900 SELF-LEVELING EXPANSION JOINT SEALANT, AS MANUFACTURED BY TREMCO MANUFACTURING CO. PRIMER, JOINT BACKING, AND SEALANT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS (OR APPROVED EQUIVALENT).

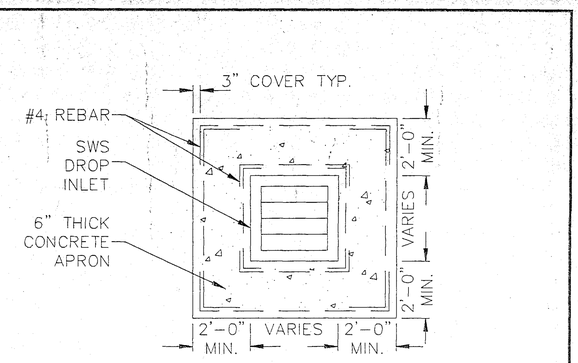
EXPANSION JOINTS

EXPANSION JOINTS SHALL BE LOCATED AT A MINIMUM OF EVERY 100 FEET AND SHALL COINCIDE WITH PROPOSED CONCRETE PATTERN AS SHOWN ON SHEET SP-1. ADDITIONAL EXPANSION JOINTS SHALL BE LOCATED AT INTERSECTIONS OF PAVEMENT WITH STRUCTURES, BUILDINGS, AND CURBS.

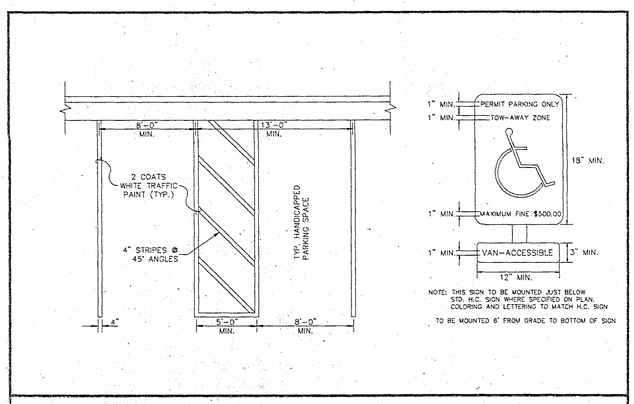
CONTRACTOR SUBMITTALS

THE CONTRACTOR SHALL SUBMIT A JOINTING PLAN TO THE ENGINEER FOR APPROVAL PRIOR TO PLACING PAVEMENTS.

1 / C-18 CONCRETE PAVEMENT DETAIL



3 / C-18 CONCRETE APRON DETAIL



2 / C-18 HANDICAP PARKING DETAIL

General Notes:

DESIGN, MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE FOLLOWING STANDARDS UNLESS OTHERWISE MODIFIED ON THE DRAWINGS OR IN THE SPECIFICATIONS:
STANDARD BUILDING CODE 1972 EDITION

ACI 318 – BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE

ACI 315 – MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES

ALL CONCRETE SHALL HAVE A 28 DAY STRENGTH OF 3000 PSI.

REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A 615-GRADE 60.

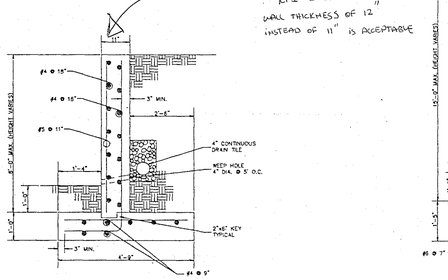
MINIMUM COVER SHALL BE PROVIDED AS SPECIFIED IN ACI 318 UNLESS SHOWN OTHERWISE.

PROVIDE A MINIMUM LAP FOR ALL SPLICES OF 30 BAR DIAMETERS BUT NOT LESS THAN 18 INCHES UNLESS SHOWN OTHERWISE.

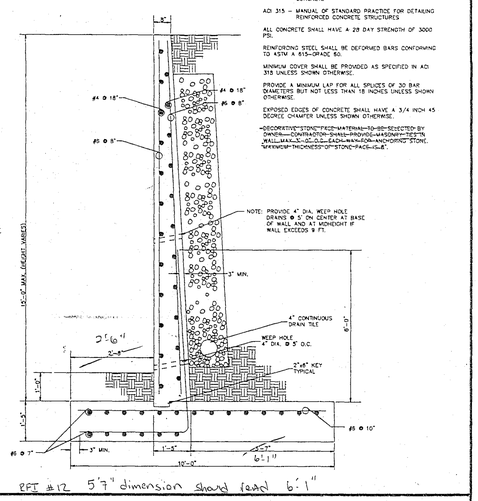
EXPOSED EDGES OF CONCRETE SHALL HAVE A 3/4 INCH 45 DEGREE CHAMFER UNLESS SHOWN OTHERWISE.

DECORATIVE STONE FACE MATERIAL TO BE SELECTED BY OWNER. CONTRACTOR SHALL PROVIDE MASONRY TIES IN WALL MAX 3'-0" O.C. EACH WAY FOR ANCHORING STONE. MAXIMUM THICKNESS OF STONE FACE IS 8".

RFI # 20
WALL THICKNESS OF 12" INSTEAD OF 11" IS ACCEPTABLE



RFI # 12 DIMENSION SHOULD READ 6'-1"



RFI #12 5'9" dimension should read 6'-1"

4 / C-18 RETAINING WALL

General Notes:

DESIGN, MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE FOLLOWING STANDARDS UNLESS OTHERWISE MODIFIED ON THE DRAWINGS OR IN THE SPECIFICATIONS:
STANDARD BUILDING CODE 1972 EDITION

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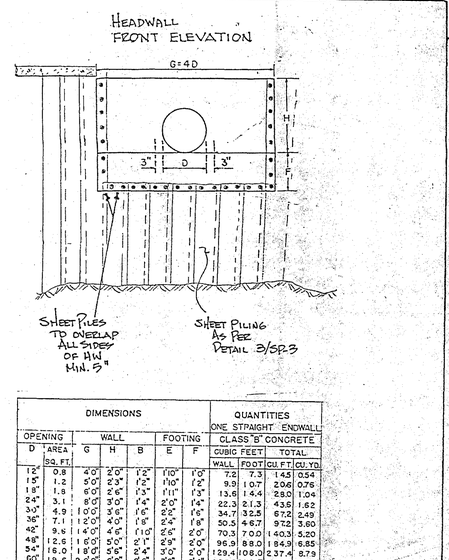
REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A 615-GRADE 60.

MINIMUM COVER SHALL BE PROVIDED AS SPECIFIED IN ACI 318 UNLESS SHOWN OTHERWISE.

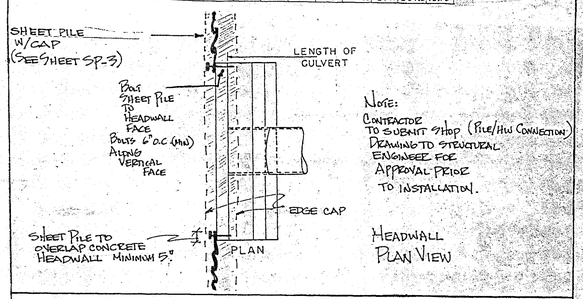
PROVIDE A MINIMUM LAP FOR ALL SPLICES OF 30 BAR DIAMETERS BUT NOT LESS THAN 18 INCHES UNLESS SHOWN OTHERWISE.

EXPOSED EDGES OF CONCRETE SHALL HAVE A 3/4 INCH 45 DEGREE CHAMFER UNLESS SHOWN OTHERWISE.

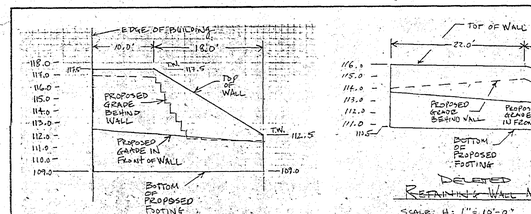
DECORATIVE STONE FACE MATERIAL TO BE SELECTED BY OWNER. CONTRACTOR SHALL PROVIDE MASONRY TIES IN WALL MAX 3'-0" O.C. EACH WAY FOR ANCHORING STONE. MAXIMUM THICKNESS OF STONE FACE IS 8".



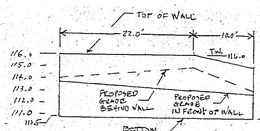
DIMENSIONS							QUANTITIES ONE STRAIGHT ENDWALL	
OPENING		WALL		FOOTING			CLASS "B" CONCRETE	
D	AREA SQ. FT.	G	H	B	E	F	CUBIC FEET WALL	TOTAL FOOT	CU. FT.	CU. YD.
12"	0.8	4'0"	2'0"	1'2"	1'0"	1'0"	7.2	7.3	14.5	0.54
15"	1.2	5'0"	2'3"	1'2"	1'0"	1'2"	9.9	10.7	20.6	0.76
18"	1.8	6'0"	2'6"	1'3"	1'1"	1'3"	13.5	14.4	28.0	1.04
24"	3.1	8'0"	3'0"	1'4"	2'0"	1'4"	22.3	21.3	43.6	1.62
30"	4.9	10'0"	3'6"	1'6"	2'2"	1'6"	34.7	32.5	67.2	2.49
36"	7.1	12'0"	4'0"	1'8"	2'4"	1'8"	50.5	46.7	97.2	3.60
42"	9.6	14'0"	4'6"	1'10"	2'6"	2'0"	70.3	70.0	140.3	5.20
48"	12.5	16'0"	5'0"	2'1"	2'9"	2'0"	96.9	88.0	184.9	6.85
54"	16.0	18'0"	5'6"	2'4"	3'0"	2'0"	129.4	108.0	237.4	8.79
60"	19.6	20'0"	6'0"	2'6"	3'2"	2'0"	164.6	126.7	291.3	10.79



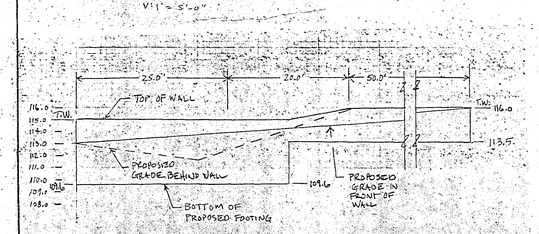
HEADWALL (COLLARWALL) DETAIL. SEE DETAILS ATTACHED



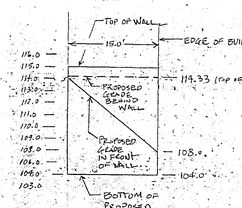
DELETED
RETAINING WALL No. 1
SCALE: H: 1"=10'-0" V: 1"=5'-0"



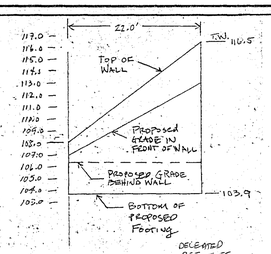
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RETAINING WALL No. 3
SCALE: H: 1"=10'-0" V: 1"=5'-0"



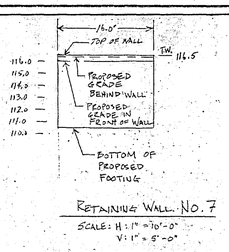
DELETED
RETAINING WALL No. 2
SCALE: H: 1"=10'-0" V: 1"=5'-0"



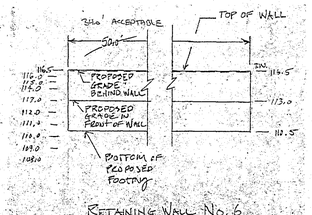
RETAINING WALL No. 4
SCALE: H: 1"=10'-0" V: 1"=5'-0"



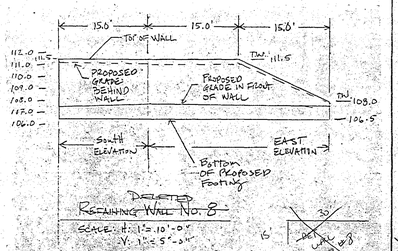
DELETED RFI #55
RETAINING WALL No. 5
SCALE: H: 1"=10'-0" V: 1"=5'-0"



RETAINING WALL No. 7
SCALE: H: 1"=10'-0" V: 1"=5'-0"



RETAINING WALL No. 6
SCALE: H: 1"=10'-0" V: 1"=5'-0"



DELETED
RETAINING WALL No. 8
SCALE: H: 1"=10'-0" V: 1"=5'-0"

RETAINING WALL PROFILES

The 10-inch asphalt pavement shall have 4 inches of asphalt under the 6-inch curb. The 8-inch concrete "pavement" shall have no asphalt under the 8-inch curb. Where the two types of pavements meet, the full depth of asphalt shall be maintained, and the concrete pavement shall be thickened as needed.
ADDEN. #2

DRAWINGS, SHEET C-18, DETAIL 4/C-18: This detail includes a note that states, "Decorative stone face material to be selected by Owner. Contractor shall provide masonry ties in wall max 3'-0" O.C. each way for anchoring stone. Maximum thickness of stone face is 8"." This note should be modified to read, "All exposed surfaces of retaining walls shall be finished to match the exterior insulation and finish system (EIFS) material of the hotel exterior. Contact Kevin Russell at Midwest Drywall, phone (316) 772-9559, for material and application information."
ADDEN. #2

ADDENDUM #1
1/20/96

ALL CONSTRUCTION ACTIVITY SHALL CONFORM TO THE MINIMUM REQUIREMENTS AS PER PROMULGATED BY CURRENT O.S.H.A. STANDARDS.

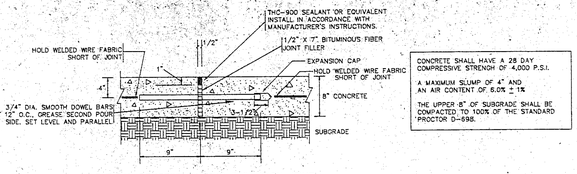
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REVISION DATES	NO.	ISSUE
1/19/96	1	ADDENDUM NO. 1

SCE
SOUTHERN CIVIL ENGINEERS, INC.
1700 PEACHTREE STREET - SUITE 465
ATLANTA, GEORGIA 30309
(404) 874-7890

PROJECT DESCRIPTION
EAST BANK / WATER WALK DEVELOPMENT
WICHITA, KANSAS

DESIGNED:	FVP
DRAWN:	H.E.McD
CHECKED:	JRH
DATE:	10/30/1995
PROJ. NO.	95075
SHEET TITLE	MISCELLANEOUS DETAILS
DRAWING NO.	C-18

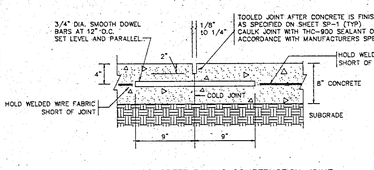


TYPICAL CONCRETE PAVING EXPANSION JOINT

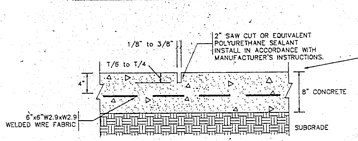
CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGH OF 4,000 P.S.I.

A MAXIMUM SLUMP OF 4" AND AN AIR CONTENT OF 6.0% ± 1%

THE UPPER 8" OF SUBGRADE SHALL BE COMPACTED TO 100% OF THE STANDARD PROCTOR D-698.



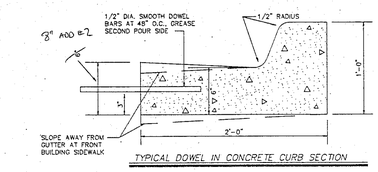
TYPICAL CONCRETE PAVING CONSTRUCTION JOINT



TYPICAL CONCRETE PAVING CONTROL JOINT

NOTE:
DEPTH OF SAW CUTS SHALL BE 1 1/2" MIN. OR 1/4 THE THICKNESS OF THE CONCRETE SLAB.

SLAB TO BE SAW CUT AS SOON AFTER SLAB FINISHING WITHOUT DISLODGING AGGREGATE — TYPICALLY 4-12 HOURS AFTER PLACING & FINISHING OF CONCRETE.



TYPICAL DOWEL IN CONCRETE CURB SECTION

JOINT SPACING

CONSTRUCTION/CONTROL JOINT SPACING

JOINTS SHALL BE LOCATED A MAXIMUM OF 15' ON CENTER AND SHALL COINCIDE WITH PROPOSED CONCRETE PATTERN AS SHOWN ON SHEET SP-1.

JOINT FILLER

ALL JOINTS SHALL BE SEALED BY JOINT FILLER. JOINT FILLER SHALL BE THC-900 SELF-LEVELING EXPANSION JOINT SEALANT, AS MANUFACTURED BY TREMCO MANUFACTURING CO. PRIMER, JOINT BACKING, AND SEALANT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS (OR APPROVED EQUIVALENT).

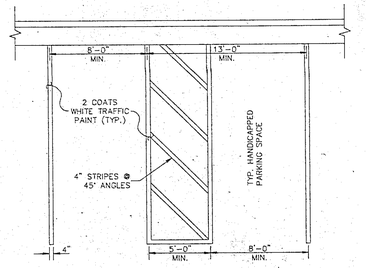
EXPANSION JOINTS

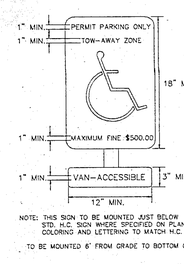
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CONTRACTOR SUBMITTALS

THE CONTRACTOR SHALL SUBMIT A JOINTING PLAN TO THE ENGINEER FOR APPROVAL PRIOR TO PLACING PAVEMENTS.

1 C-18 CONCRETE PAVEMENT DETAIL





NOTE: THIS SIGN TO BE MOUNTED JUST BELOW STD. H.C. SIGN WHERE SPECIFIED ON PLAN. COLORING AND LETTERING TO MATCH H.C. SIGN

TO BE MOUNTED 6' FROM GRADE TO BOTTOM OF SIGN

2 C-18 HANDICAP PARKING DETAIL

General Notes:

DESIGN, MATERIAL, AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE FOLLOWING STANDARDS UNLESS OTHERWISE MODIFIED ON THE DRAWINGS OR IN THE SPECIFICATIONS:
STANDARD BUILDING CODE 1972 EDITION

ACI 318 – BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE

ACI 315 – MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES

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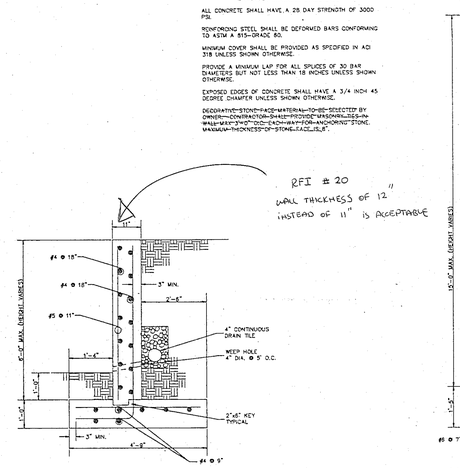
MINIMUM COVER SHALL BE PROVIDED AS SPECIFIED IN ACI 318 UNLESS SHOWN OTHERWISE.

PROVIDE A MINIMUM LAP FOR ALL SPLICES OF 30 BAR DIAMETERS BUT NOT LESS THAN 18 INCHES UNLESS SHOWN OTHERWISE.

EXPOSED EDGES OF CONCRETE SHALL HAVE A 3/4 INCH 45 DEGREE CHAMFER UNLESS SHOWN OTHERWISE.

DECORATIVE STONE FACE MATERIAL TO BE SELECTED BY OWNER — CONTRACTOR SHALL PROVIDE MASONRY TIES IN WALL EVERY 3'-0" O/C EACH WAY FOR ANCHORING STONE. MAXIMUM THICKNESS OF STONE FACE IS 8".

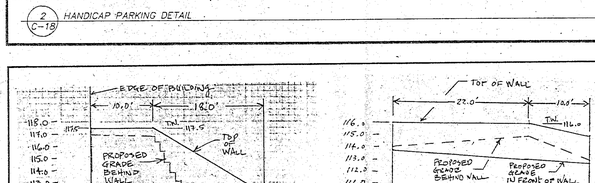
RFI # 12 DIMENSION SHOULD READ 6'-1"



RFI # 20
WALL THICKNESS OF 12" INSTEAD OF 11" IS ACCEPTABLE

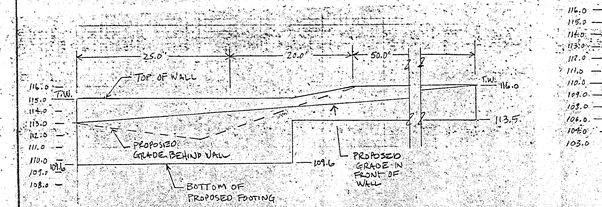
RFI # 12 5'7" dimension

4 C-18 RETAINING WALL

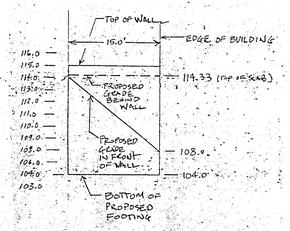


DELETED
RETAINING WALL No. 1
SCALE: H: 1" = 10'-0"
V: 1" = 5'-0"

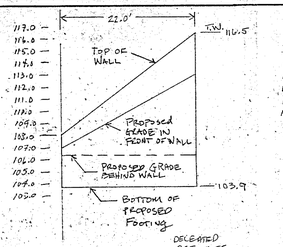
DELETED
RETAINING WALL No. 3
SCALE: H: 1" = 10'-0"
V: 1" = 5'-0"



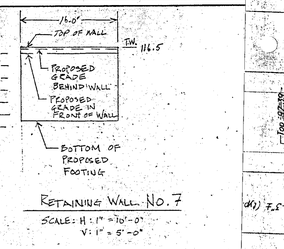
DELETED
RETAINING WALL No. 2
SCALE: H: 1"=10'-0"
V: 1" = 5'-0"



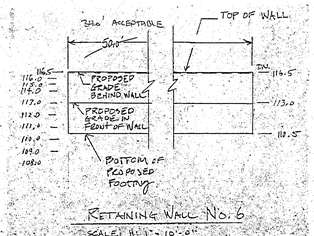
RETAINING WALL No. 4
SCALE: H: 1"=10'-0"
V: 1" = 5'-0"



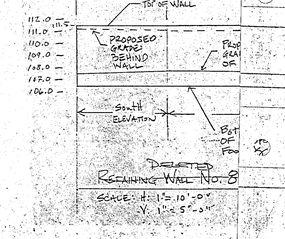
DELETED RFI #15
RETAINING WALL No. 5
SCALE: H: 1" = 10'-0"
V: 1" = 5'-0"



RETAINING WALL No. 7
SCALE: H: 1" = 10'-0"
V: 1" = 5'-0"



RETAINING WALL No. 6
SCALE: H: 1"=10'-0"
V: 1" = 5'-0"

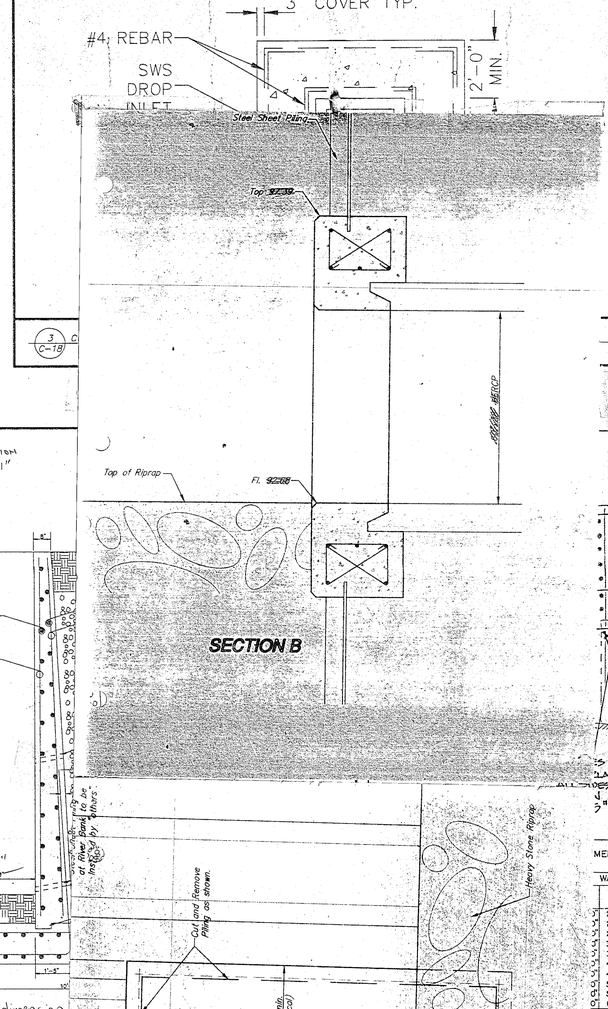


DELETED
RETAINING WALL No. 8
SCALE: H: 1"=10'-0"
V: 1" = 5'-0"

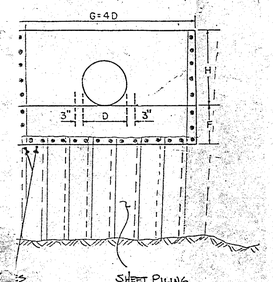
Retaining Wall Profiles

The 10-inch asphalt pavement shall have 4 inches of asphalt under the 6-inch curb. The 8-inch concrete "pavement" shall have no asphalt under the 8-inch curb. Where the two types of pavements meet, the full depth of asphalt shall be maintained, and the concrete pavement shall be thickened as needed.

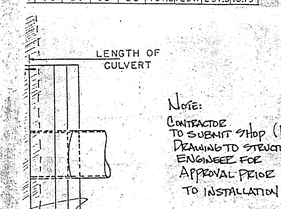
ADDEN. #2



3 C-18



DIMENSIONS				QUANTITIES ONE STRAIGHT ENDWALL			
WALL		FOOTING		CLASS "B" CONCRETE			
H	B	E	F	CUBIC FEET - TOTAL			
				WALL	FOOT	CU. FT	CU. YD.
2'0"	1'0"	1'0"	1'0"	7.2	7.3	14.5	0.54
2'6"	1'0"	1'0"	1'0"	9.9	10.7	20.6	0.76
3'0"	1'0"	1'0"	1'0"	13.6	14.4	28.0	1.04
3'6"	1'0"	1'0"	1'0"	17.4	18.0	35.4	1.31
4'0"	1'0"	1'0"	1'0"	22.3	21.3	43.6	1.62
4'6"	1'0"	1'0"	1'0"	27.6	24.6	52.2	1.93
5'0"	1'0"	1'0"	1'0"	34.7	32.5	67.2	2.49
4'0"	1'8"	2'6"	1'8"	50.5	46.7	97.2	3.60
4'6"	1'10"	2'6"	2'0"	70.3	70.0	140.3	5.20
5'0"	2'1"	2'9"	2'0"	96.9	88.0	184.9	6.85
5'6"	2'4"	3'0"	2'0"	129.4	108.0	237.4	8.79
6'0"	2'6"	3'2"	2'0"	164.6	126.7	291.3	10.79



Note:
Contractor to submit shop (Pile/HW Connection) Drawing to Structural Engineer for Approval Prior to Installation.

HEADWALL PLAN VIEW

1 (COLLARWALL) DETAIL SEE DETAILS ATTACHED

C-18: This detail includes a note that states, d by Owner. Contractor shall provide masonry horing stone. Maximum thickness of stone face d, "All exposed surfaces of retaining walls shall n and finish system (EIFS) material of the hotel st Drywall, phone (316) 772-9559, for material

ADDEN. #2

ADDENDUM #1 11/20/96

ALL CONSTRUCTION ACTIVITY SHALL CONFORM TO THE MINIMUM REQUIREMENTS AS PER PROMULGATED BY CURRENT O.S.H.A. STANDARDS.

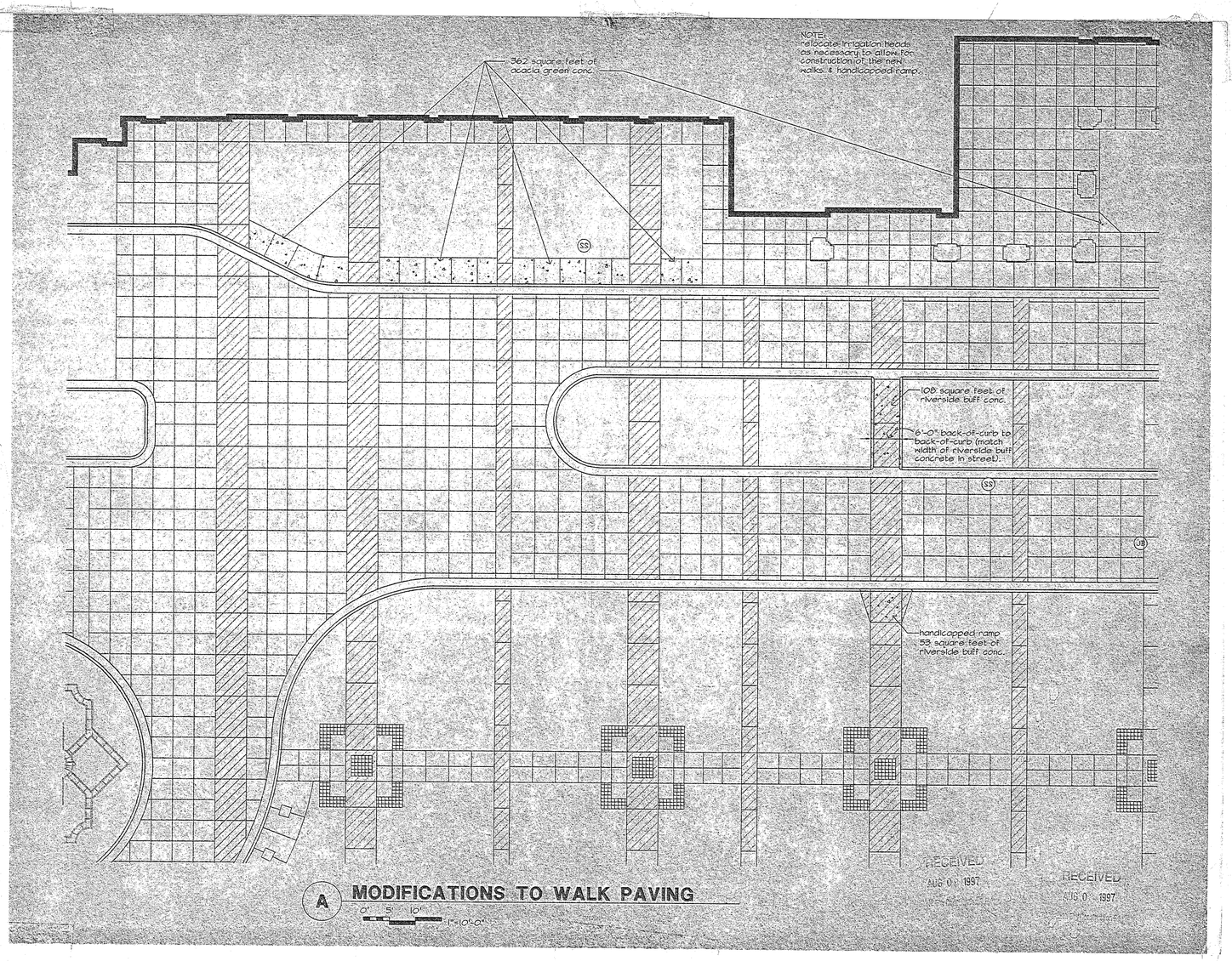
THIS DRAWING IS THE PROPERTY OF ... ODUCED WITHOUT WRITTEN PERMISSION BY SOUTHERN CIVIL ENGINEERS, INC.

REVISION DATE	NO.	ISSUE
11/19/96	1	ADDENDUM NO. 1

SCE
SOUTHERN CIVIL ENGINEERS, INC.
1708 PEACHTREE STREET - SUITE 405
ATLANTA, GEORGIA - 30309
(404) 874-7890

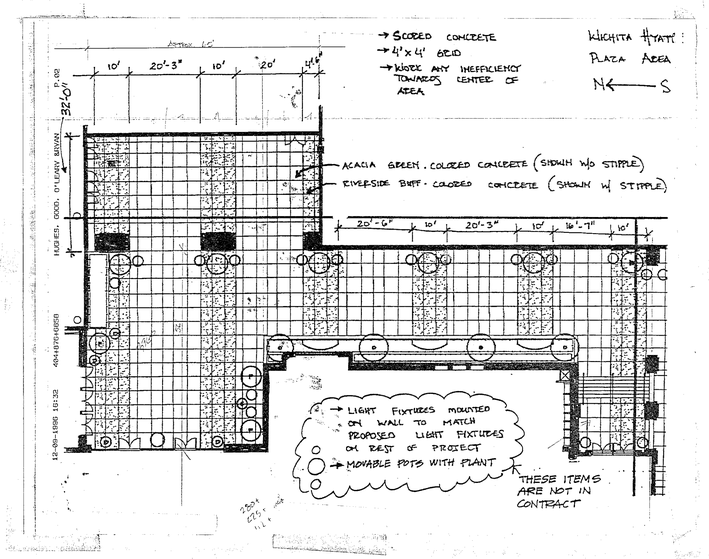
PROJECT DESCRIPTION
EAST BANK / WATER WALK DEVELOPMENT
WICHITA, KANSAS

DESIGNED:	FVP
DRAWN:	H.B.McD
CHECKED:	JRH
DATE:	10/30/1996
PROJ. NO.:	95075
SHEET TITLE:	MISCELLANEOUS DETAILS
DRAWING NO.	C-18



A MODIFICATIONS TO WALK PAVING

0' 5' 10' 1"=10'-0"



WICHITA STREET

HYATT REGENCY
WICHITA, KANSAS
(BY OTHERS – UNDER CONSTRUCTION)
F.F.=117.0

CONC. WALK SEE DETAIL 1/SP-2

STREET PROJECT

WICHITA WATER WALK PROJECT

RFI #94
PLACEMENT OF EXPANSION JOINT

WICHITA STREET PLAZA A/SP-5

PEDESTRIAN PROMENADE A/SP-2

CONC. WALK SEE DETAIL 1/SP-2

CONC. PAVEMENT SEE DETAIL 1/SP-1B

ENLARGED HOTEL FOUNTAIN PLAN & DETAILS A/SP-7

ENLARGED PAVING PLAN & DETAILS A/SP-8

MOVED

DELEATED

RIVER'S EDGE NORTH A/SP-3

GEOGRID PLAN & DETAILS A/SP-3a

ENLARGED STAIRWAY PLAN A/SP-4

RIVER'S EDGE SOUTH A/SP-6

THIS LINE REPRESENTS THE LIMITS OF THIS PROJECT

CONC. WALK SEE DETAIL 1/SP-2

12'

ACACIA GREEN

5. CONCRETE FINISH ON SIDEWALKS AND HOTEL DRIVE PAVEMENT: All portions of the concrete walk and the hotel drive that are colored concrete (color "Acacia Green" only) shall receive a troweled and sandblasted finish. All colored concrete walk and hotel drive concrete that is color "Riverside Buff" or concrete walk/drive that is regular concrete shall receive a broom finish.

6. CURB AND GUTTER SOUTH OF THE HOTEL: The curb and gutter south of the hotel and in all other locations is regular concrete and not colored concrete.

7. CONSTRUCTION BOUNDARY: The construction boundary along the new Wichita Street edge of this Project is delineated differently on Sheets SP-1 and C-1c. The curb and gutter, the handicapped ramps, and the drive approach to the hotel drive are a part of the street project and not part of the "Wichita Water Walk" Project.

ADDEN. #2

LEGEND

COLORED CONCRETE PAVEMENT COLOR "RIVERSIDE BUFF"

COLORED CONCRETE PAVEMENT COLOR "ACACIA GREEN"

A SP-1 SOUTH SITE PLAN
0' 10' 20' 1"=20'-0"

N

GossenLivingston
Architecture
420 South Emporia
Wichita, KS 67202
Tel (316) 265-9387
Fax (316) 265-5646

COOPER, CARRY & ASSOC
3520 PEDMONT ROAD
SUITE 200
ATLANTA, GA. 30305
(404) 237-2000

HUGHES GOOD O'LEARY & RYAN
INCORPORATED
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PLANNING
URBAN DESIGN
ENVIRONMENTAL ASSESSMENT
1708 PEACHTREE ST., SUITE 444 ATLANTA, GA 30309
TELEPHONE (404) 876-7726

SCE
SOUTHERN CIVIL ENGINEERS, INC.
1708 PEACHTREE STREET – SUITE 420
ATLANTA, GEORGIA – 30309
(404) 876-7726

BARRETT, WOODYARD & ASSOCIATES, INC.
1380 CENTER DRIVE
ATLANTA, GEORGIA – 30338
(770) 396-1818

WICHITA WATER WALK

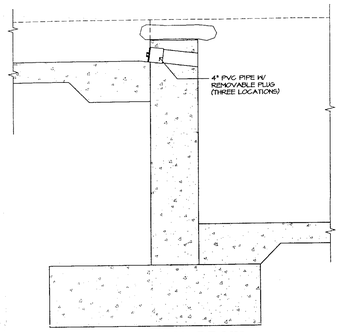
WICHITA, KANSAS
FOR THE
CITY OF WICHITA

LANDSCAPE ARCHITECT Thomas Montgomery

SOUTH SITE PLAN

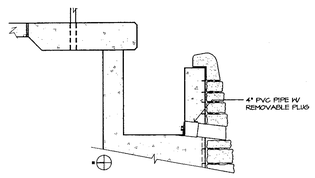
JOB NO. 888.000
DATE 10/30/96
DRAWN TDM
CHECKED TDM

SP-1
OF
64



RECEIVED
MAR 2 6 1997
MARTIN K. EBY CONSTR. CO. INC.
WICHITA, KANSAS

WATERFALL POOL DRAIN



TROUGH DRAIN

MARTIN K. EBY CONSTRUCTION CO., INC.

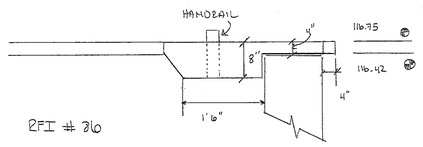
PROJECT:

LOCATION:

JOB NO.

BY CKD

DATE SHEET NO. OF



RFI # 26

Sidewalk w/ Handrail

JS (12-00)

ADD ALTERNATE #2
HOTEL WATER FOUNTAIN
SEE DETAIL 1/SP-1

ADD ALTERNATE #3
LIMESTONE BENCH/ CONC. PAVERS SEE DETAIL 7/SP-2

CONC. PAVERS SEE DETAIL 4/SP-2

STEEL GUARDRAIL SEE DETAIL 3/SP-2

EAST SUPPLY WELL SEE SHT. FM1 & S3

DRAIN BOX SEE SHT. FM1 & S3

VALVE BOX SEE SHT. FM1 & S3

EXPANSION JOINT

CONC. SIDEWALK SEE DETAIL 1/SP-8

SAW JOINT TYP.

ADD ALTERNATE #4
SEAT WALL TYP. SEE DETAIL 5/SP-2

WEIR STONE SEE DETAIL 2/SP-2

PROMENADE SUPPLY WELL SEE SHT. FM1 & S3

KIM LIGHT WITH CONC. LIGHT HOUSING BOX SEE DETAIL 2/SP-6

RFI #20

A PEDESTRIAN PROMENADE
SP-2 — 0 5' 10' — 1"=10'-0"

NOTE: MAKE WEIR STONES MIN. 2'-0" LONG.

LEGEND
- COLORED CONCRETE PAVEMENT COLOR "RIVERSIDE BUFF"
- COLORED CONCRETE PAVEMENT COLOR "ACACIA GREEN"

2 WEIR STONE
2/SP-2 — 0 3" 6" 3"=1'-0"

R.F.I #1
3/4" mortar bed is acceptable

SWEEP MORTAR SAND INTO JOINTS BETWEEN PAVERS AFTER PAVERS ARE SET IN PLACE.
ALLOW FOR PAVERS AND 90lb ROOFING FELT
CONC. PAVERS (COLOR TO BE SELECTED BY ARCHITECT)
90lb ROOFING FELT W/ GRANULAR SIDE DOWN
6"X6", 10/10 WWM
1"MAX. SAND LEVELING COURSE UNDER CONC.
2" DIA. GRAVEL FILLED DRAIN HOLES 5' O.C.
COMPACTED FILL OR UNDISTURBED SOIL

4 DETAIL OF CONC. PAVERS ON CONC. BASE
4/SP-2 — NOT TO SCALE

4" THICK COLORED CONCRETE WALK
LOWER WATER WALL POOL SEE STRUCTURAL DRAWINGS
SEE GRADING PLAN

6 SECTION THROUGH WALK @ LOWER POOL EDGE
6/SP-2 — 0 6" 1' — 1"=1'-0"

SMOOTH FINISH
ROUGH CUT FACE
8"X8" CONCRETE PAVERS ON CRUSHED ROCK BASE.
PLASTIC EDGE RESTRAINT
4" CONCRETE WALK ON 4" MAX. SAND LEVELING COURSE.
6" DEEP CRUSHED ROCK BASE.

ELEVATION/SECTION 'A'

STEEL GUARDRAIL SEE DETAIL 3/SP-2
WEIR STONE SEE DETAIL 2/SP-2
4" THICK THICKENED EDGE COLORED CONCRETE WALK
WATER WALL TROUGH SEE STRUCTURAL DRAWINGS

1 SECTION THROUGH WALK @ UPPER EDGE
1/SP-2 — 0 6" 1' — 1"=1'-0"

PAINT
NOTE: THREE PANEL B's OCCUR BETWEEN THE PANEL A's.
1 1/2" DIA., SCH 40, STEEL PIPE FOR TOP RAIL.
1/2" SQUARE STEEL TUBING
3/4" SQUARE STEEL TUBING
1 1/2" DIA., SCH 40, STEEL PIPE FOR VERTICAL SUPPORTS
PROVIDE SLEEVES IN WALK FOR GUARDRAIL VERT. SUPPORTS. MAY BE CORE DRILLED
(TYP. PANEL "A")
(TYP. PANEL "B")

3 STEEL GUARDRAIL DETAIL
3/SP-2 — 0 6" 1' — 1"=1'-0"

NOTE: CONTRACTOR'S OPTION— TRENCHED FOOTING CAN BE GRAY CONCRETE
SMOOTH FINISH ABOVE JOINT
RUSTICATION JOINT DETAIL
COLORED CONCRETE SEAT WALL (COLOR "RIVERSIDE BUFF")
1/2" EXP. JT.
4" THICK COLORED CONCRETE WALK
SANDBLASTED FINISH BELOW JOINT.
UNDISTURBED SOIL OR COMPACTED FILL
2-#4 REBAR AT 12" O.C. VERTICAL
8-#4 REBAR CONTINUOUS AT 12" O.C. HORIZONTAL

5 ADD ALTERNATE #4 SEAT WALL (BY WATER WALL) - SECTION
5/SP-2 — 0 6" 1' — 1"=1'-0"

4" CONCRETE WALK. SEE DETAIL 1/SP-8
SMOOTH FINISH
ROUGH CUT FACE
8"X8" CONC. PAVERS
PLASTIC EDGE RESTRAINT
4" CONCRETE WALK.

PLAN VIEW

7 ADD ALTERNATE #3 LIMESTONE BENCH DETAILS
7/SP-2 — 0" 6" 1' — 1"=1'-0"

ADDENDUM #1 11/20/96

GossenLivingston
Architecture
420 Sixth Avenue
Wichita, KS 67202
Tel (316) 265-8357
Fax (316) 265-4566

COOPER CARRY & ASSOC.
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ATLANTA, GA. 30305
(404) 237-2000

HUGHES GOOD O'LEARY & RYAN
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LANDSCAPE ARCHITECTURE
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ENVIRONMENTAL ASSESSMENT
3340 PEACHTREE RD. NORTH 444 ATLANTA, GA 30326
TELEPHONE (404) 876-1776

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1706 PEACHTREE STREET SUITE 405
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(770) 395-1810

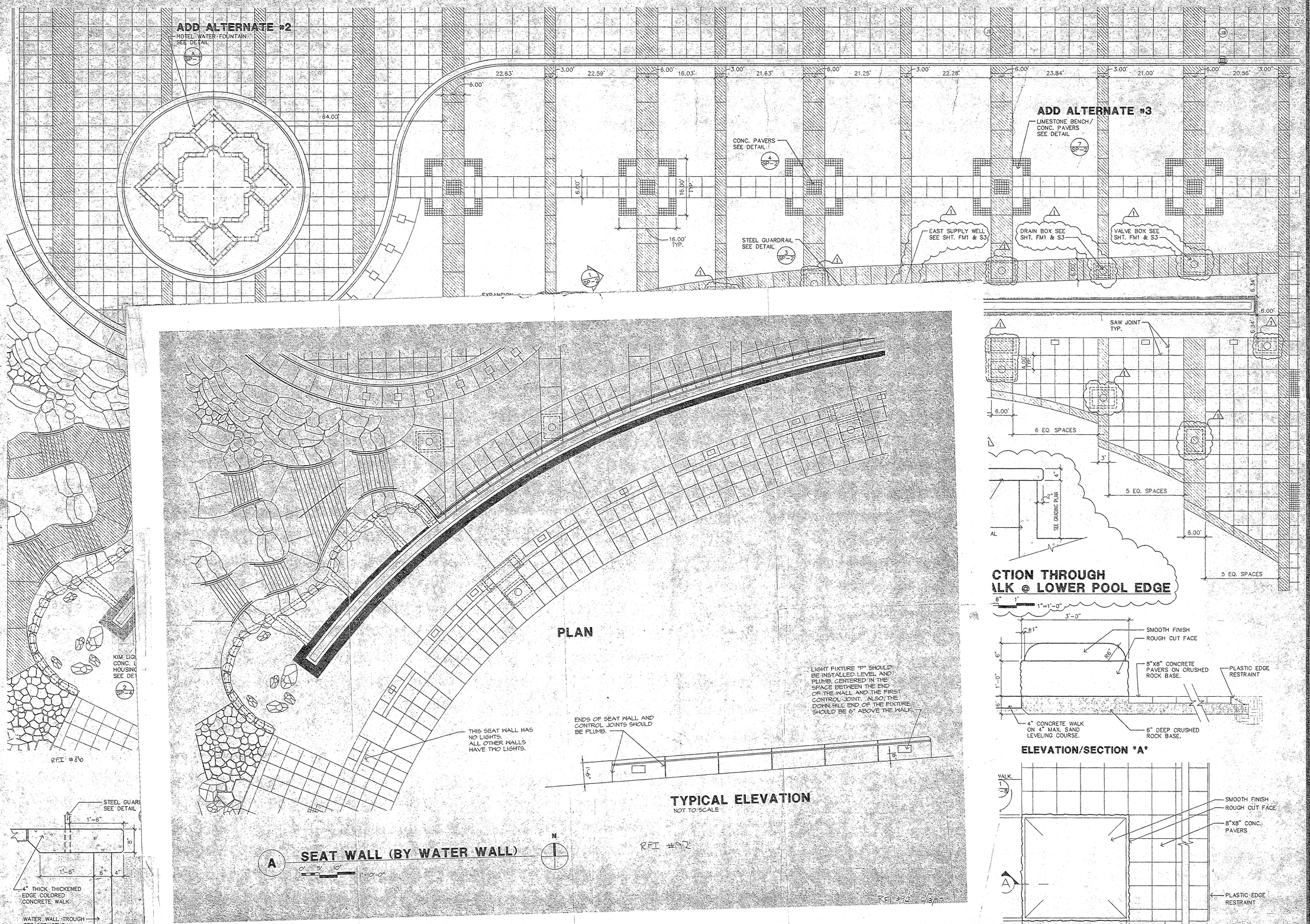
WICHITA WATER WALK
WICHITA, KANSAS
FOR THE
CITY OF WICHITA

Thomas Montgomery

PEDESTRIAN PROMENADE

JOB NO.	888.000
DATE	10/30/96
DRAWN	JRS
CHECKED	TDM
SHEET	SP-2 OF 64

ADDENDUM #1 - 11/19/96 - VALVE BOXES, DRAIN BOXES AND SUPPLY WELLS



A SEAT WALL (BY WATER WALL)
0' 5' 10' 1"=10'-0"

1 SP-2 SECTION THROUGH WALK @ UPPER EDGE
0" 6" 1' 1"=1'-0"

3 SP-2 STEEL GUARDRAIL DETAIL
0" 6" 1' 1"=1'-0"

5 SP-2 ADD ALTERNATE #4 SEAT WALL (BY WATER WALL) - SECTION
0" 6" 1' 1"=1'-0"

7 SP-2 ADD ALTERNATE #3 LIMESTONE BENCH DETAILS
0' 6" 1' 1"=1'-0"

ADDENDUM #1 11/20/96

GossenLivingston
Architecture
120 South Emporia
Wichita, KS 67202
Tel (316) 262-3337
Fax (316) 262-3648

COOPER CARRY & ASSOC.
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SUITE 200
ATLANTA, GA. 30305
(404) 237-2000

HUGHES GOOD O'LEARY & RYAN
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PLANNING
URBAN DESIGN
ENVIRONMENTAL ASSESSMENT
3100 PEACHTREE ST. NORTH 600 ATLANTA, GA 30305
TELEPHONE (404) 816-7700

SCE
SOUTHERN CIVIL ENGINEERS, INC.
1708 PEACHTREE STREET - SUITE 600
ATLANTA, GEORGIA - 30309
(404) 876-7706

BARRETT, WOODYARD & ASSOCIATES, INC.
1300 CENTER DRIVE
ATLANTA, GEORGIA - 30338
(770) 396-1818

WICHITA WATER WALK

WICHITA, KANSAS
FOR THE
CITY OF WICHITA

Thomas Montgomery Landscape Architecture

PEDESTRIAN PROMENADE

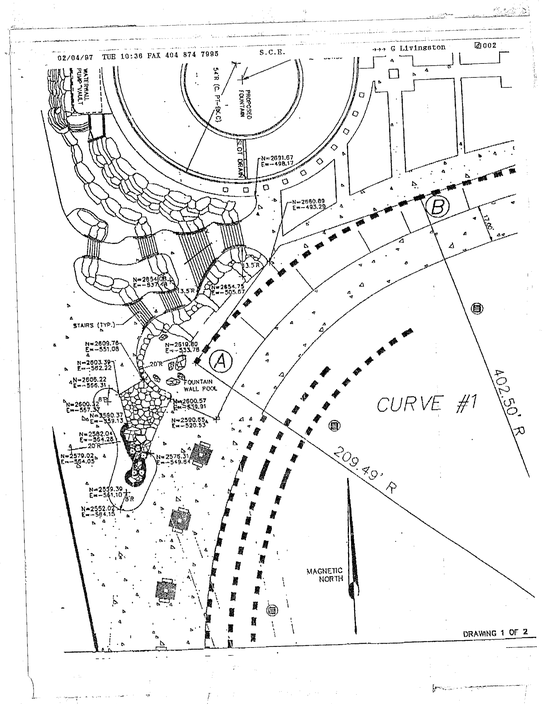
JOB NO.	588.000
DATE	10/30/96
DRAWN	JRS
CHECKED	TOM

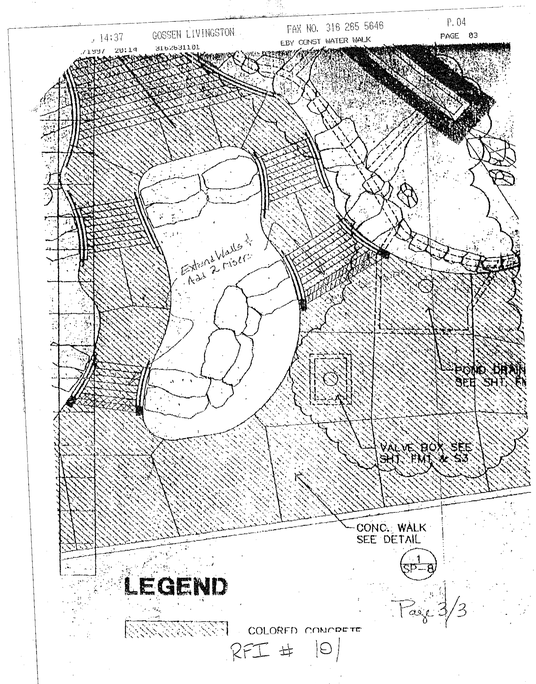
SP-2
OF
64

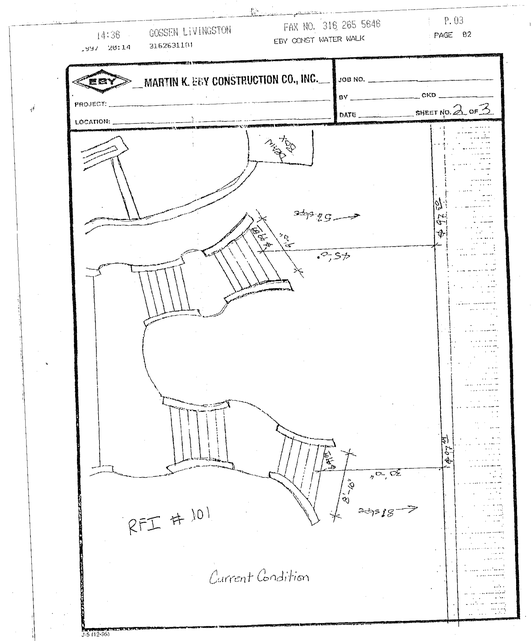
1 ADDENDUM #1 11/19/96 VALVE BOXES, DRAIN BOXES AND SUPPLY WELLS

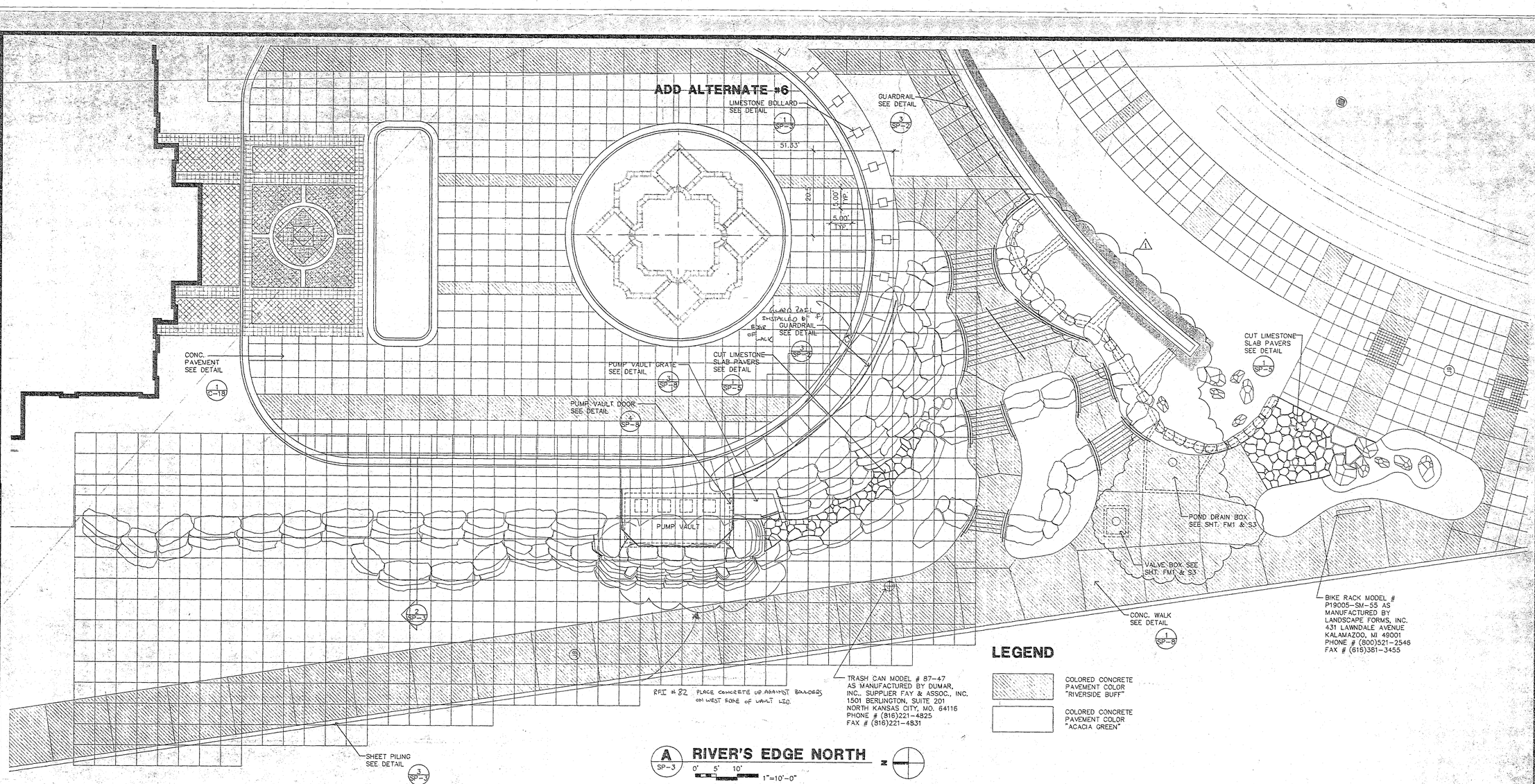
97.5

96


02/04/97 TUE 10:36 FAX 404 874 7095 S.C.H. G Livingston 002
PROPOSED FOUNTAIN
EXIST. GRADE
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N=2660.93 E=483.78
N=2654.78 E=501.61
N=2654.78 E=501.61
STAIRS (TYP.)
N=2600.76 E=551.08
N=2603.35 E=569.22
N=2605.22 E=555.31
N=2600.57 E=533.91
N=2580.37 E=533.15
N=2582.04 E=564.05
N=2579.02 E=564.05
N=2579.31 E=549.54
N=2559.30 E=561.10
N=2552.72 E=564.15
FOUNTAIN WALL POOL
CURVE #1
402.50' R
209.49' R
MAGNETIC NORTH
DRAWING 1 OF 2


14:37 GOSSEN LIVINGSTON FAX NO. 316 265 5648 P.04
EBY CONST WATER WALK PAGE 03
Existing Walls & Rail 2 Floor
POND DRAIN SEE SHT. F
VALVE BOX SEE SHT. FM1 & S3
CONC. WALK SEE DETAIL
1 CD-8
LEGEND
COLORED CONCRETE
Page 3/3
RFI # 101

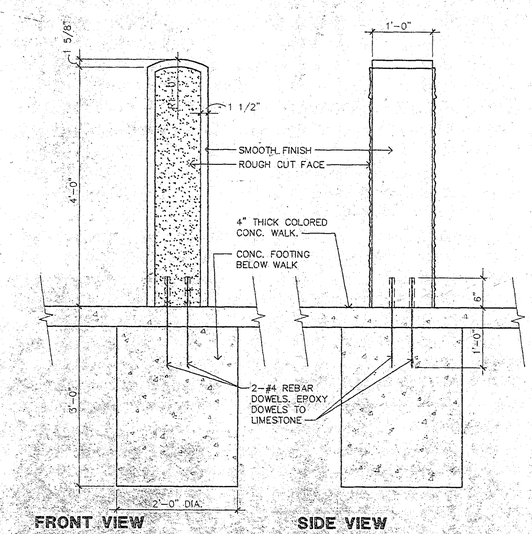

14:36 GOSSEN LIVINGSTON FAX NO. 316 265 5648 P.03
EBY CONST WATER WALK PAGE 02
EBY MARTIN K. EBY CONSTRUCTION CO., INC.
PROJECT:
LOCATION:
JOB NO.
BY CKD
DATE SHEET NO. 2 OF 3
JOSE PUMP
slope 2%
slope 18
RFI # 101
Current Condition



A/SP-3 RIVER'S EDGE NORTH

0' 5' 10'

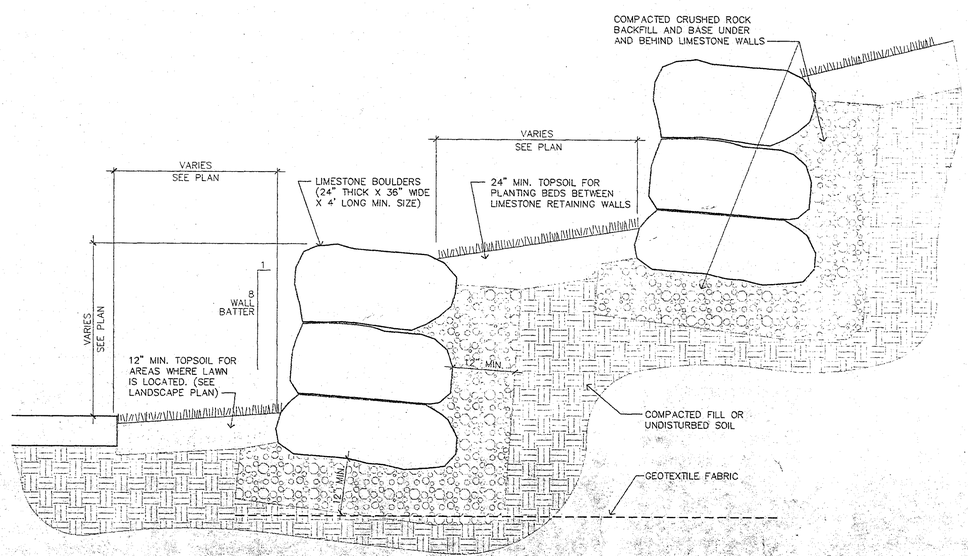
1"=10'-0"



1/SP-3 ADD ALTERNATE #6 LIMESTONE BOLLARD DETAILS

0' 6" 1'

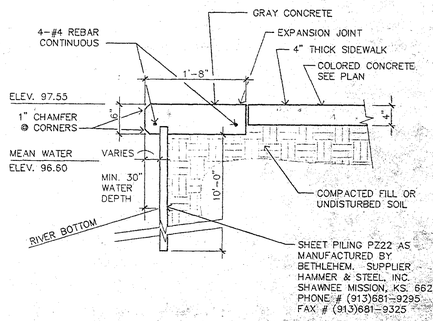
1"=1'-0"



2/SP-3 LIMESTONE RETAINING WALL DETAILS

0' 6" 1'

1"=1'-0"



3/SP-3 SHEET PILING CAP DETAIL

0' 6" 1'

1"=1'-0"

ADDENDUM #1 11/20/96

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(770) 392-1515

WICHITA WATER WALK

WICHITA, KANSAS
FOR THE
CITY OF WICHITA

Landscape Architecture Planning Urban Design Environmental Assessment Hughes Good O'Leary & Ryan Incorporated

RIVER'S EDGE NORTH

JOB NO.	888.000	SP-3
DATE	10/30/96	
DRAWN	JRS/TDM	OF
CHECKED	MRM	64

ADDENDUM #1 11/19/96 VALVE BOXES & DRAIN BOXES

EBY — MARTIN K. EBY CONSTRUCTION CO., INC.

PROJECT: WICHITA WATER WALK

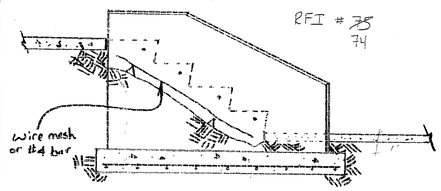
LOCATION: STAIR WALL FTGS.

JOB NO. 22100

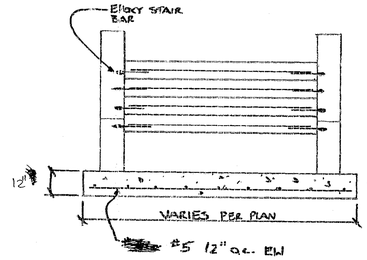
BY BB CKD

DATE 4-30-99 SHEET NO. 2 OF 2

RFI # 35
74

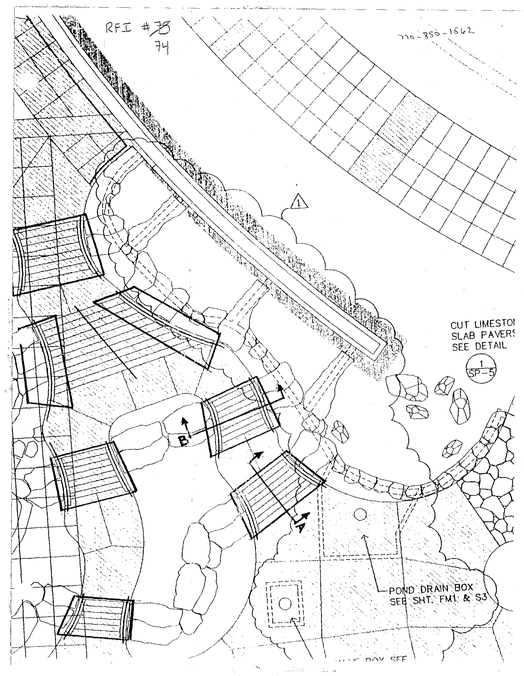


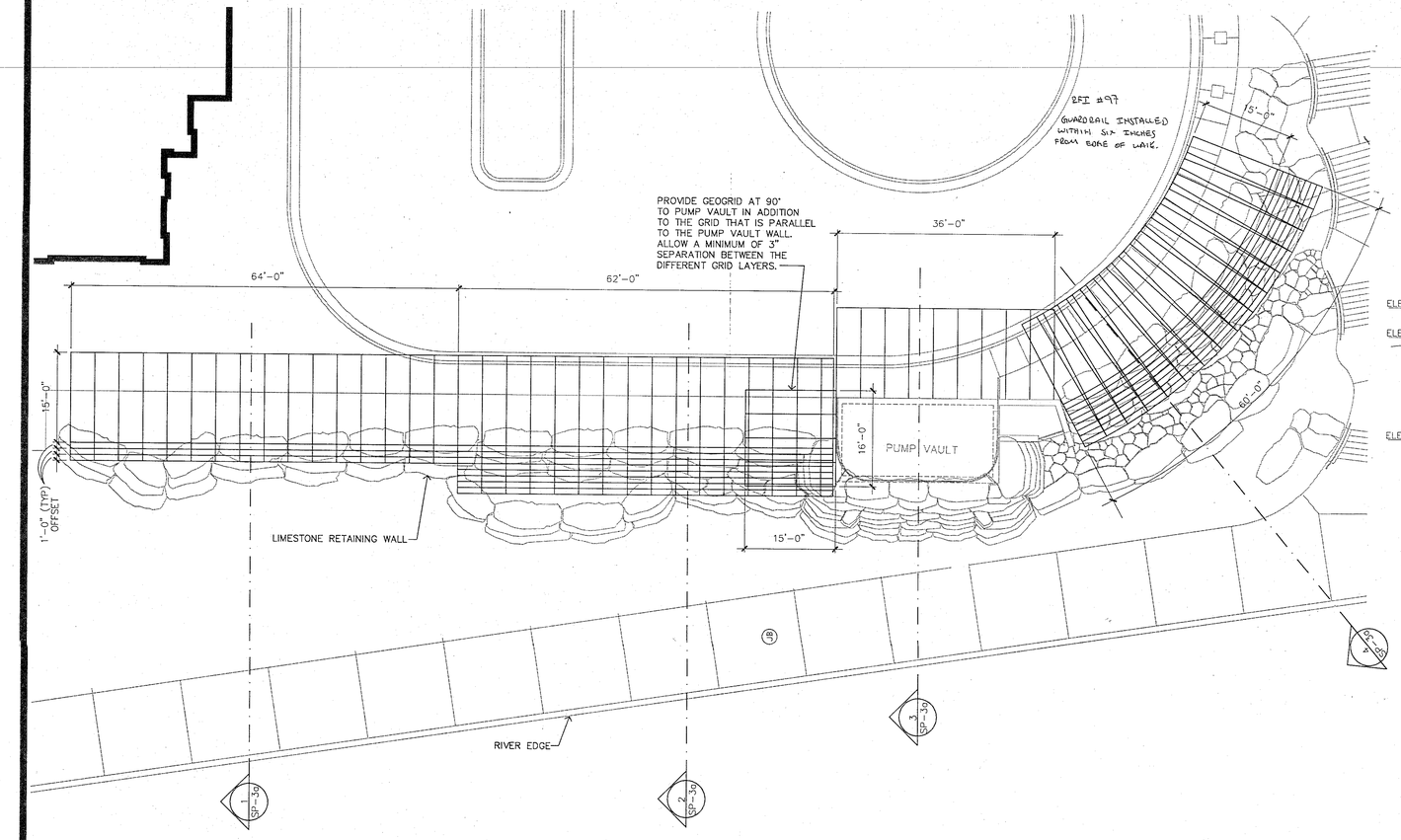
SECTION A (TYP)



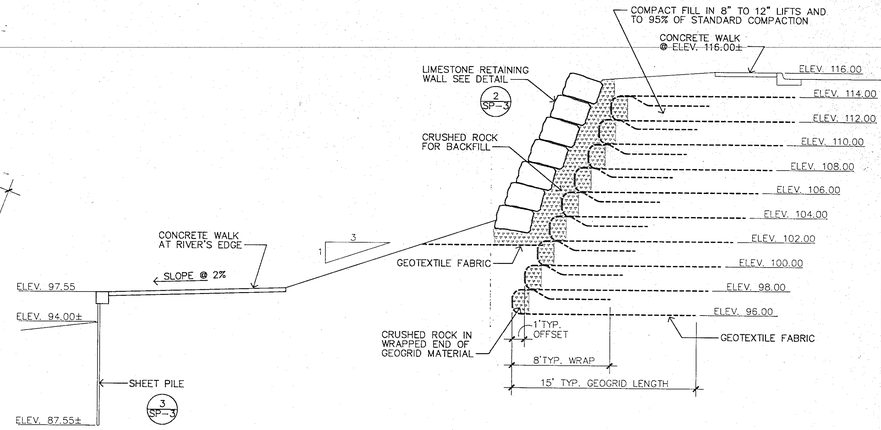
SECTION B (TYP)

JS(11/98)

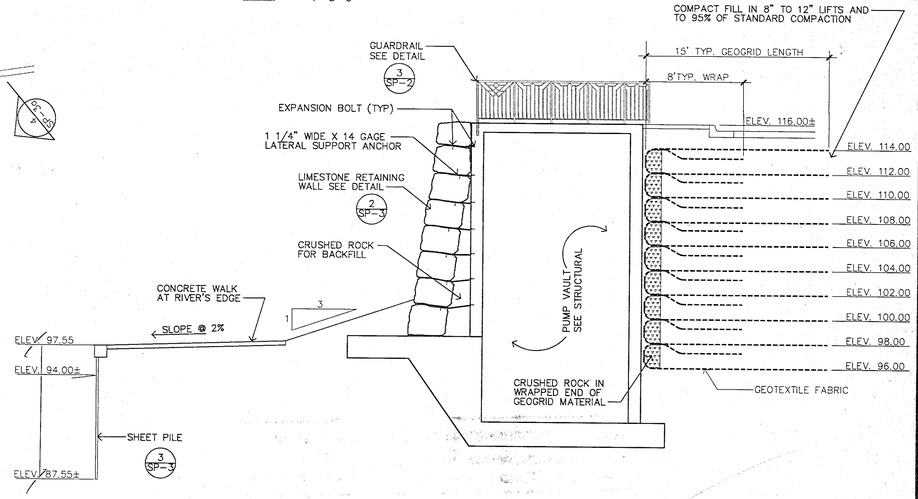




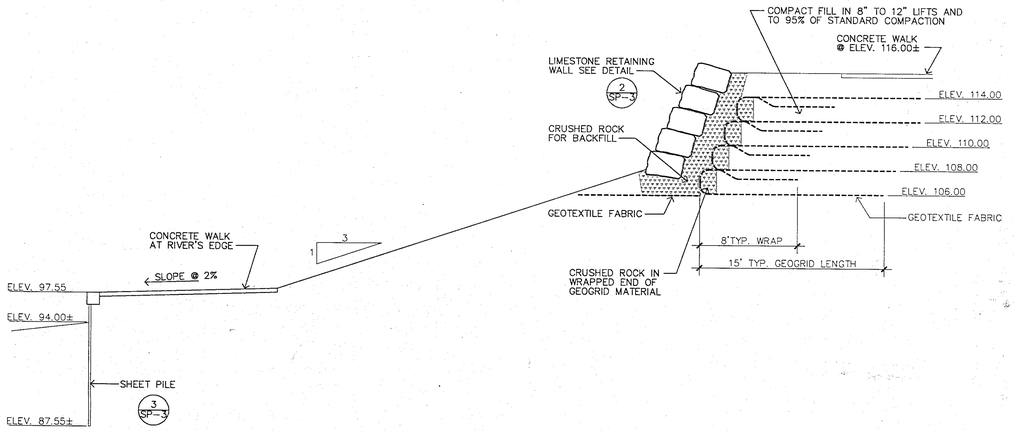
A SP-3a GEOGRID REINFORCED SLOPE
0' 5' 10' 1"=10'-0"



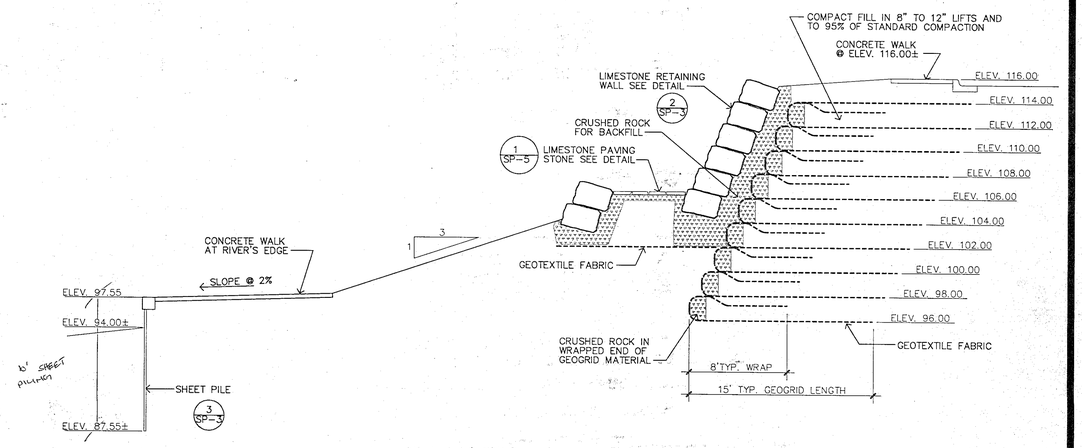
2 SP-3a SECTION "B"
0' 2.5' 5' 1"=5'-0"



3 SP-3a SECTION "B"
0' 2.5' 5' 1"=5'-0"



1 SP-3a SECTION "A"
0' 2.5' 5' 1"=5'-0"



4 SP-3a SECTION "B"
0' 2.5' 5' 1"=5'-0"

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WICHITA WATER WALK

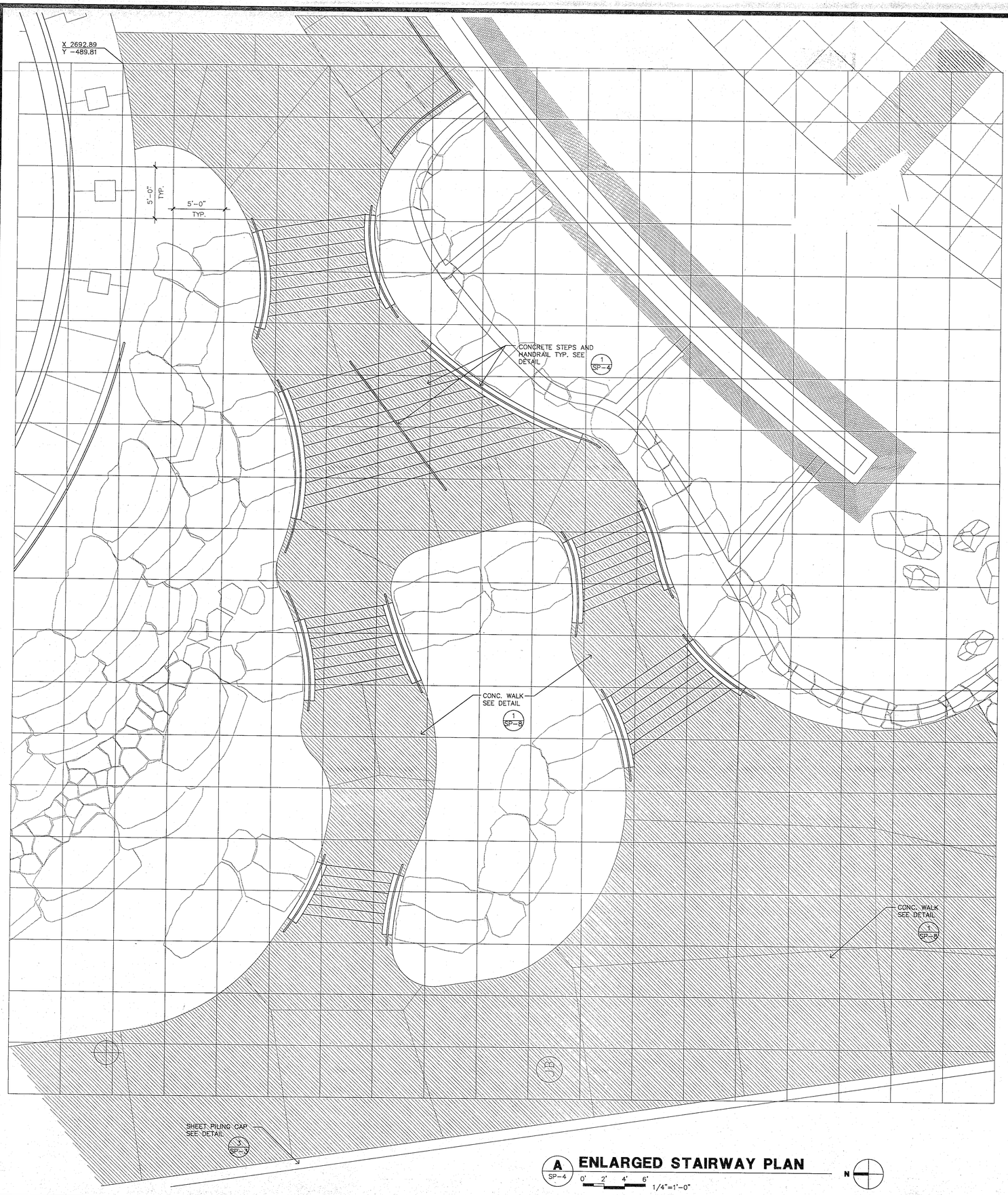
WICHITA, KANSAS
FOR THE
CITY OF WICHITA

REGISTERED LANDSCAPE ARCHITECT Thomas Montgomery

GEOGRID PLAN & DETAILS

JOB NO.	888.000
DATE	10/30/96
DRAWN	JRS/TDM
CHECKED	TDM

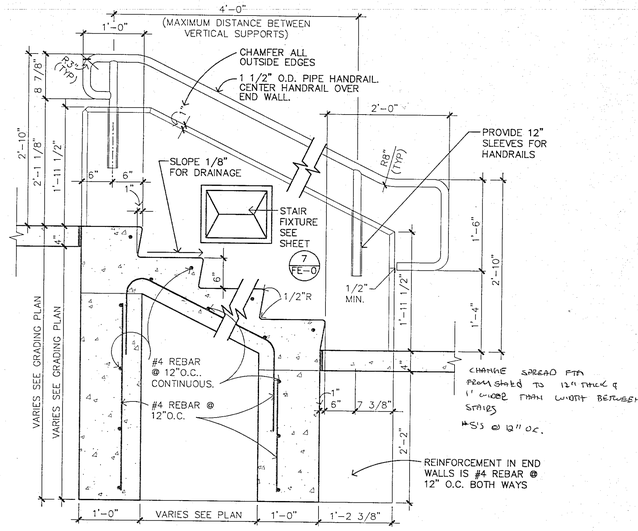
SP-3a
OF



A SP-4 ENLARGED STAIRWAY PLAN

0' 2' 4' 6' 1/4"=1'-0"

N

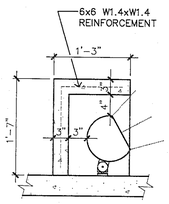


1 SP-4 CONCRETE STAIRWAY AND HANDRAIL

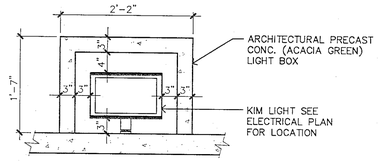
0' 6" 1' 1"=1'-0"

RFI # 60 CORE DRILL HANDRAIL INSTEAD OF SLEEVES.

RFI # 77 CONCRETE STAIRWALLS ARE GREY



SIDE VIEW



FRONT VIEW

2 SP-4 CONC. LIGHT HOUSING BOX DETAIL

0' 6" 1' 1"=1'-0"

LEGEND

- COLORED CONCRETE PAVEMENT COLOR "RIVERSIDE BUFF"
- COLORED CONCRETE PAVEMENT COLOR "ACACIA GREEN"

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WICHITA WATER WALK

WICHITA, KANSAS
FOR THE
CITY OF WICHITA

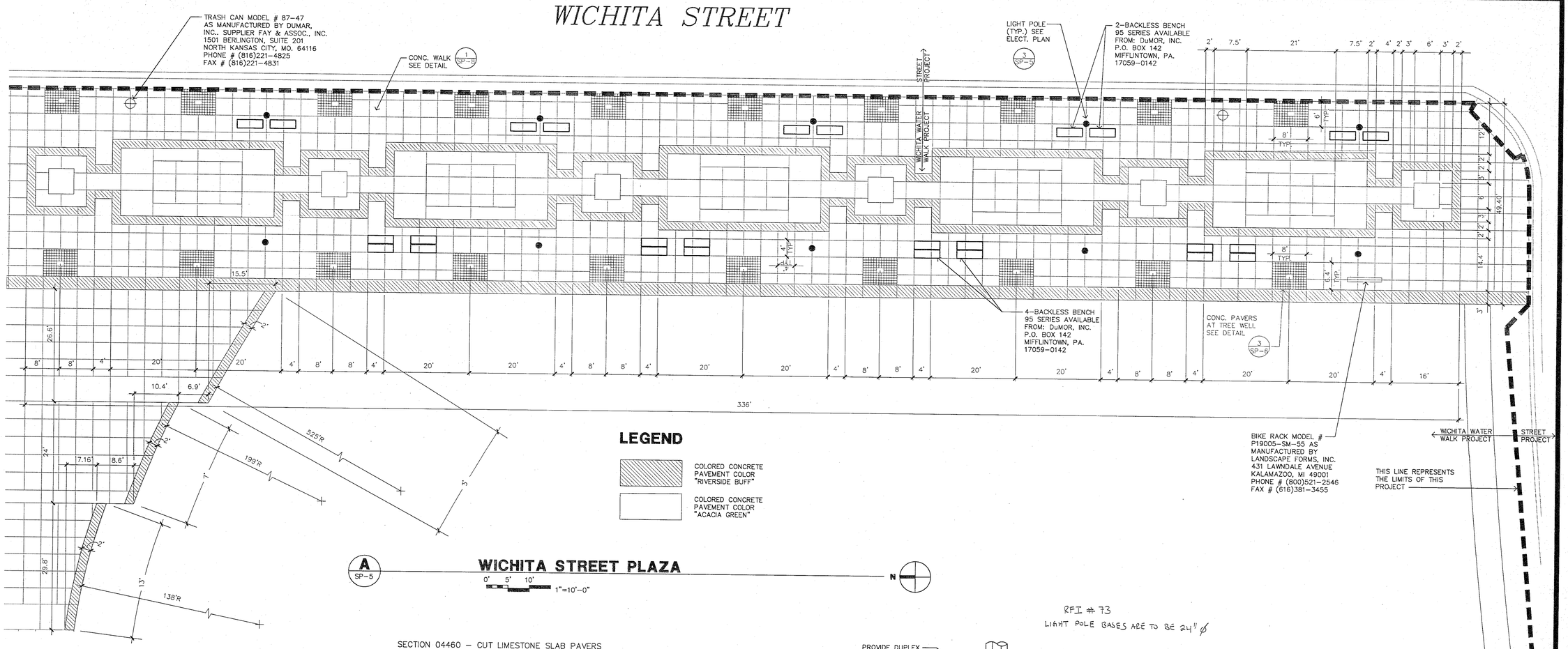
Howard Montgomery LANDSCAPE ARCHITECTURE KANSAS

ENLARGED STAIRWAY PLAN

JOB NO.	888.000
DATE	10/30/96
DRAWN	JRS
CHECKED	TDM

SP-4 OF

WICHITA STREET



LEGEND

COLORED CONCRETE PAVEMENT COLOR "RIVERSIDE BUFF"

COLORED CONCRETE PAVEMENT COLOR "ACACIA GREEN"

A SP-5 WICHITA STREET PLAZA

0' 5' 10' 1"=10'-0"

N

SECTION 04460 – CUT LIMESTONE SLAB PAVERS

PART 1 – GENERAL

RELATED DOCUMENTS:

Drawings and general provision of Contract, including General and Supplementary Conditions and Division 1 Specification sections, apply to Work of this Section.

DESCRIPTION OF WORK:

This specification covers the quality, size, and other requirements of limestone for the limestone pavers identified on the plans. The final acceptance of the selected limestone shall be by the owner's representative.

PART 2 – PRODUCTS

LIMESTONE FOR PAVERS:

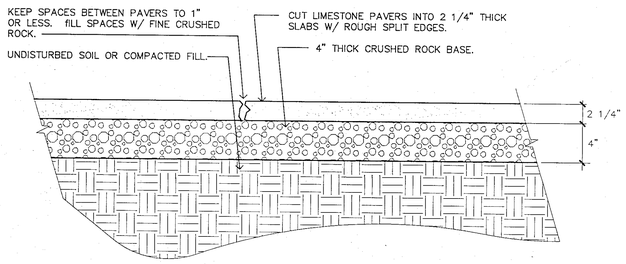
Limestone shall have a specific Gravity (sat. & surf. Dry), minimum (by KT-6, Proc. I) of 2.30. Limestone shall have a soundness, minimum of .80.

Limestone shall be free from earth, soapstone, shale, shalelike or other easily disintegrated material that will tend to decrease the durability of the material after placement.

The limestone shall be cut into 2 1/4" thick slabs and then split into pavers that will be irregular in shape.

PART 3 – EXECUTION

Limestone for pavers shall be installed in accordance with the plans and details. Limestone pavers shall be set on a 4" thick compacted bed of crushed rock and shall be laid 1" above the existing elevations on the site where the pavers are to be located. The stones shall be dry laid and shall be trimmed as necessary to fit together with no more than one inch of gap between pavers.

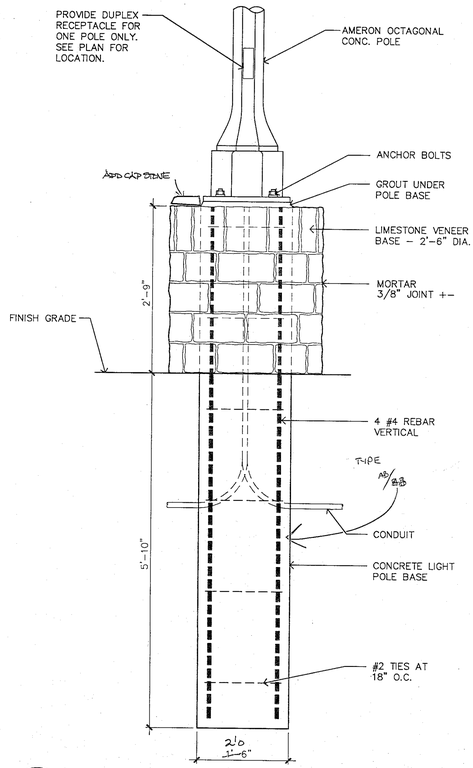


1 SP-5 CUT LIMESTONE SLAB PAVING DETAIL

NOT TO SCALE

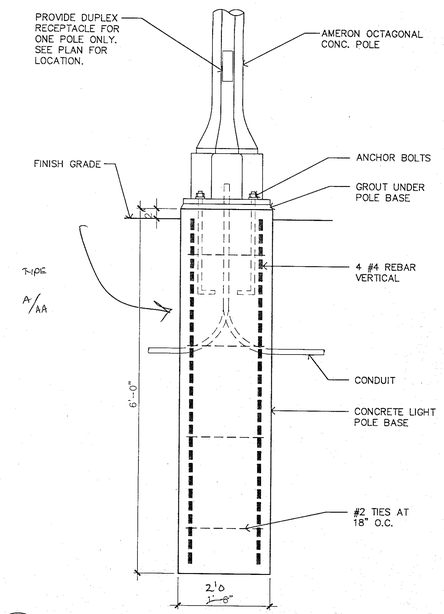
RFI # 73

LIGHT POLE BASES ARE TO BE 24" ø



2 SP-5 LIGHT POLE BASE DETAIL

0' 6" 1' 1"=1'-0"



3 SP-5 LIGHT POLE BASE DETAIL

0' 6" 1' 1"=1'-0"

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(770) 396-1818

WICHITA WATER WALK

WICHITA, KANSAS

FOR THE

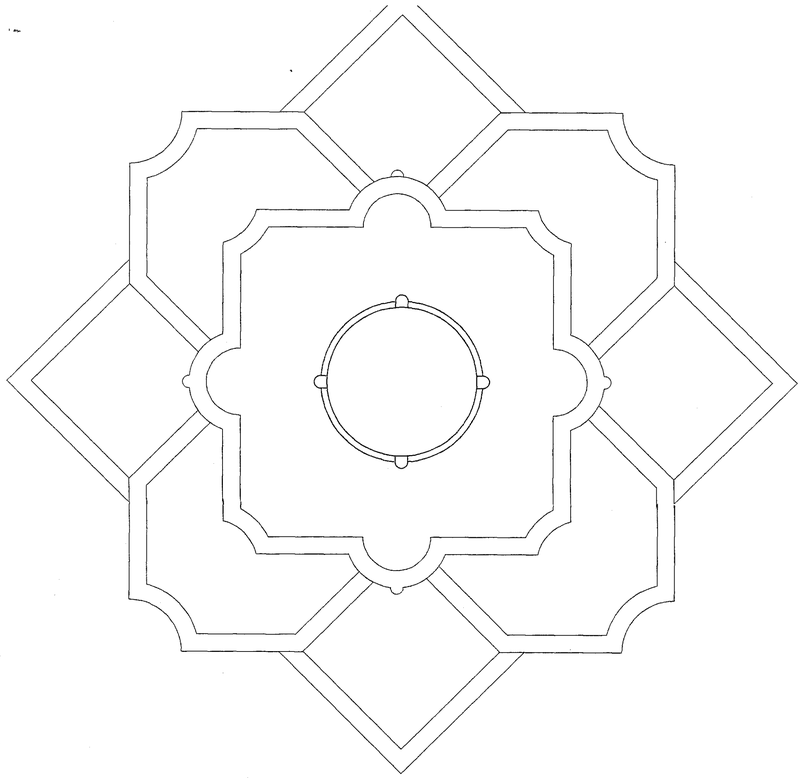
CITY OF WICHITA

REGISTERED LANDSCAPE ARCHITECT Norman Montgomery

WICHITA STREET PLAZA

JOB NO.	888.000
DATE	10/30/96
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CHECKED	TDM

SP-5 OF



1 ???

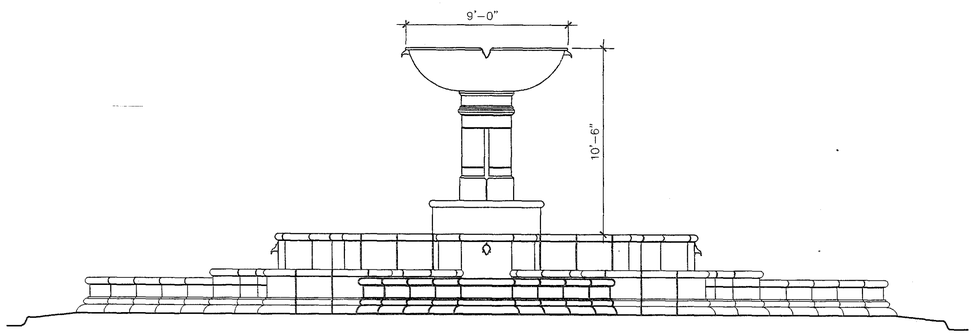
HOTEL WATER FOUNTAIN - PLAN

0' 2' 4' 6'

1/4"=1'-0"

RFI # 104

PRE-CAST SET WITH #4 PINS & EPOXY & SHIMS, and FINISHED JOINTS WITH A LIMESTONE CAULK.

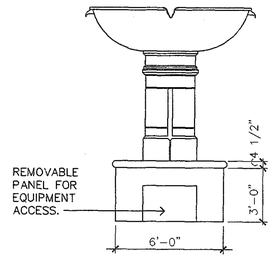


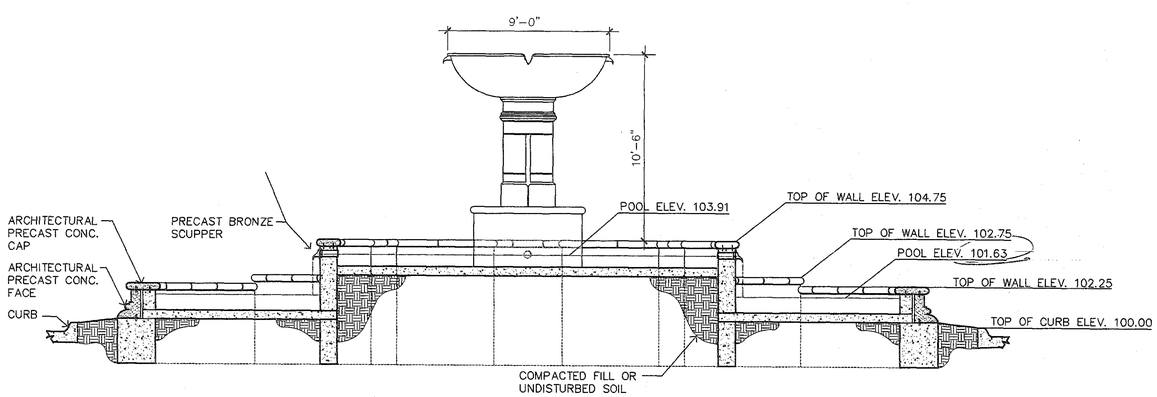
1 ???

HOTEL WATER FOUNTAIN - ELEVATION

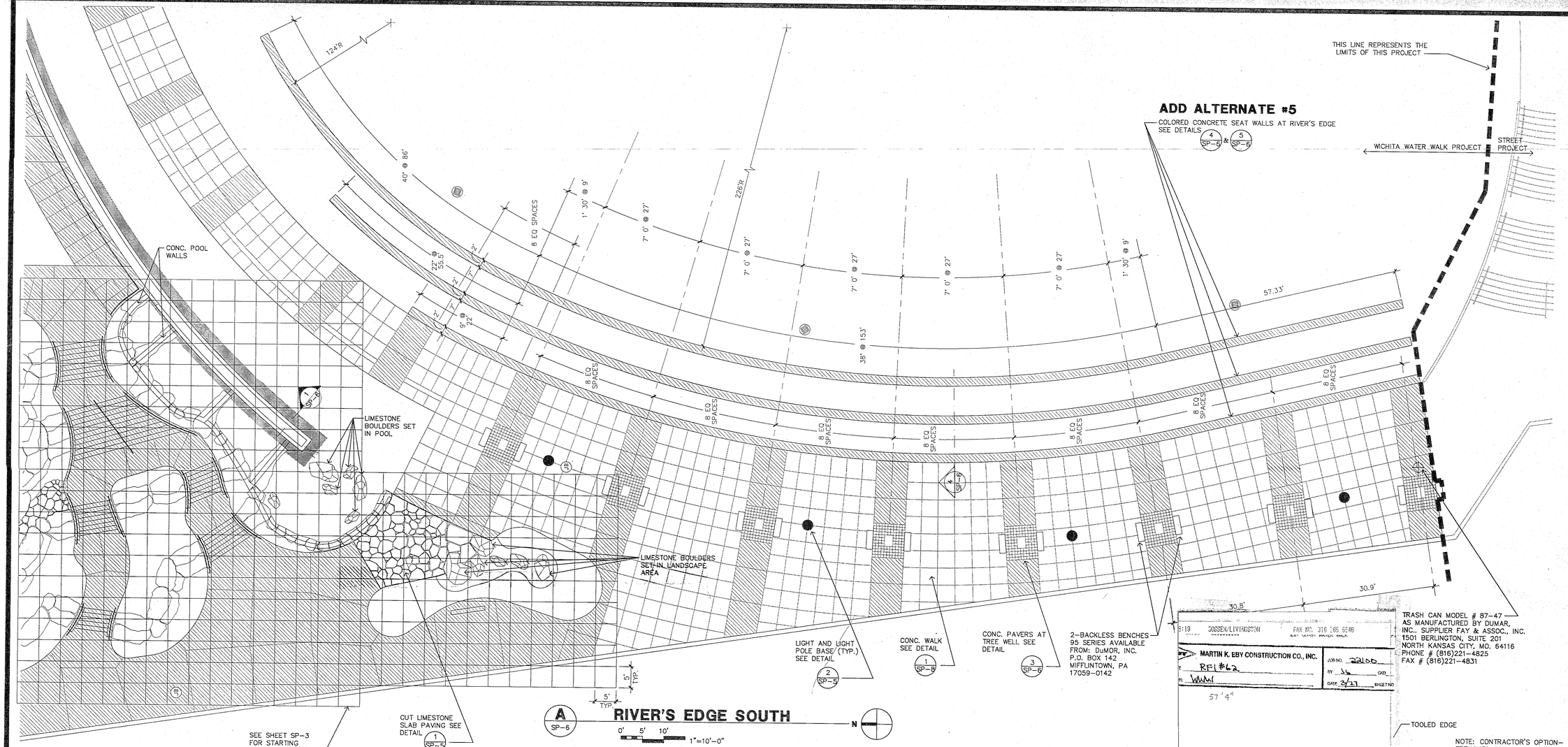
0' 2' 4' 6'

1/4"=1'-0"





F:\ARB\F-ELEV Tue Mar 25 17:07:42 1997

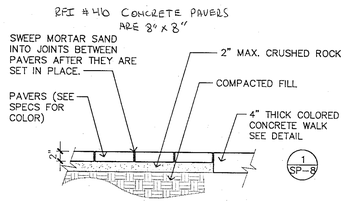


LEGEND

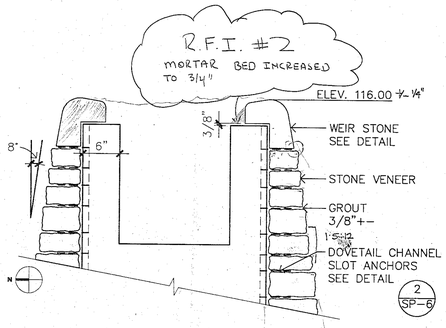
COLORED CONCRETE PAVEMENT COLOR "RIVERSIDE BUFF"

COLORED CONCRETE PAVEMENT COLOR "ACACIA GREEN"

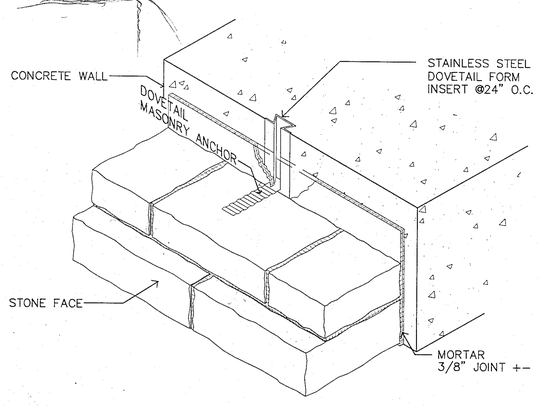
RFI #40 CONCRETE PAVERS ARE 8" x 8"



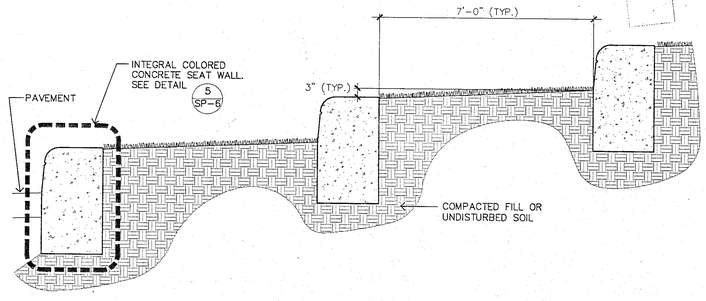
3/SP-6 CONC. PAVERS @ TREE WELL
0' 6" 1' 1"=1'-0"



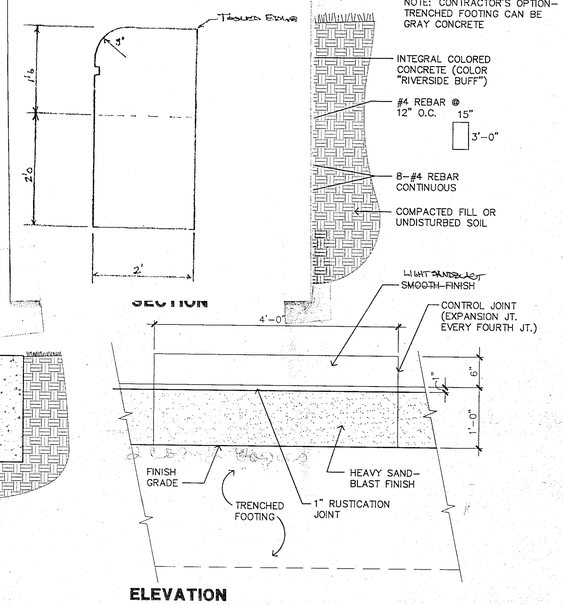
1/SP-6 SECTION THROUGH WATER WALL @ UPPER EDGE
0' 6" 1' 1"=1'-0"



2/SP-6 TYPICAL DOVETAIL DETAIL
NOTE TO SCALE



4/SP-6 ADD ALTERNATE #5 SECTION THROUGH SEAT WALLS
0' 1' 2' 3' 1/2"=1'-0"



5/SP-6 ADD ALTERNATE #5 SEAT WALL DETAILS
0' 6" 1' 1"=1'-0"

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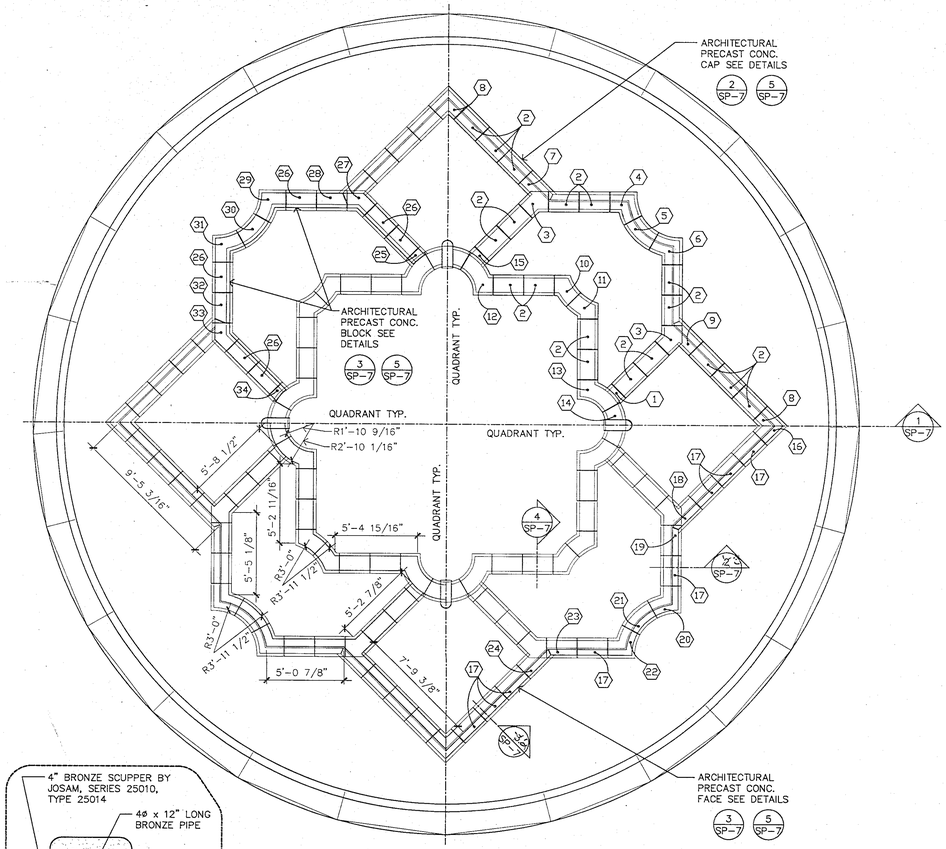
WICHITA WATER WALK

WICHITA, KANSAS
FOR THE
CITY OF WICHITA

RIVER'S EDGE SOUTH

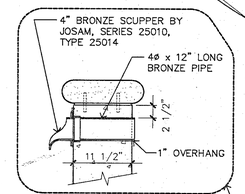
JOB NO.	888.000
DATE	10/30/96
DRAWN	JRS/TDM
CHECKED	TDM

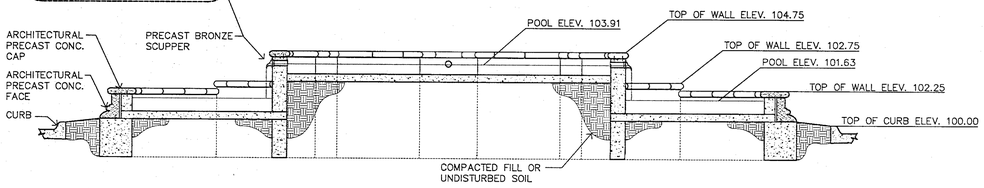
SP-6
OF



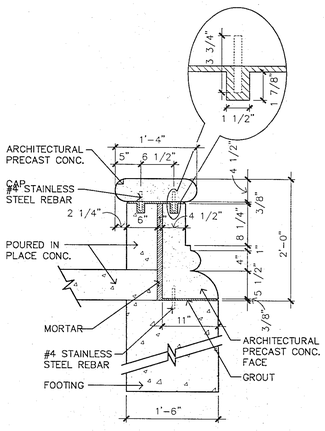
ADD ALTERNATE #2
HOTEL WATER FOUNTAIN - ENLARGED PLAN

A SP-7 — 0' 2' 4' 6' — 1/4"=1'-0"

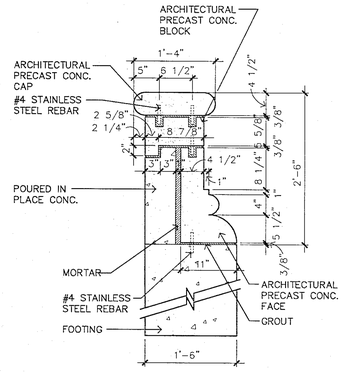




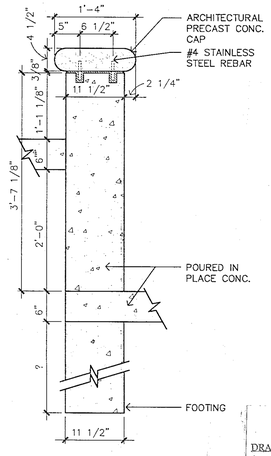
1 HOTEL WATER FOUNTAIN - SECTION
SP-7 — 0' 2' 4' 6' — 1/4"=1'-0"



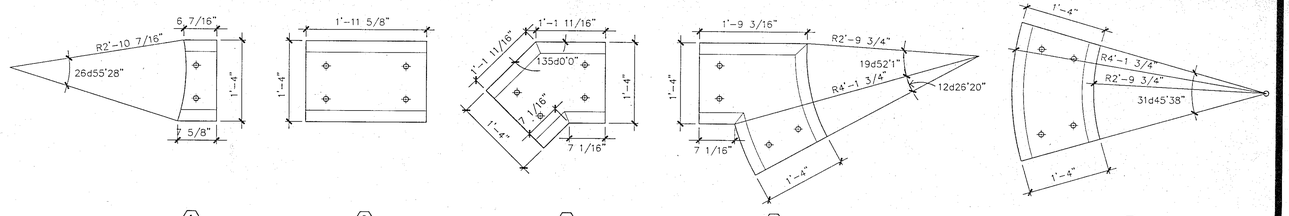
2 FOUNTAIN WALL SECTION
SP-7 — 0' 6" 1' — 1"=1'-0"

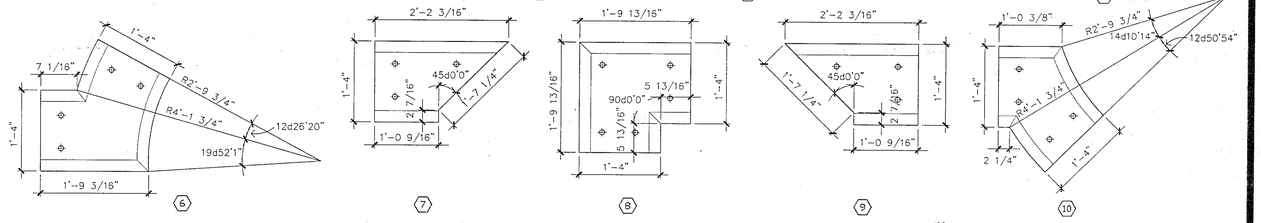


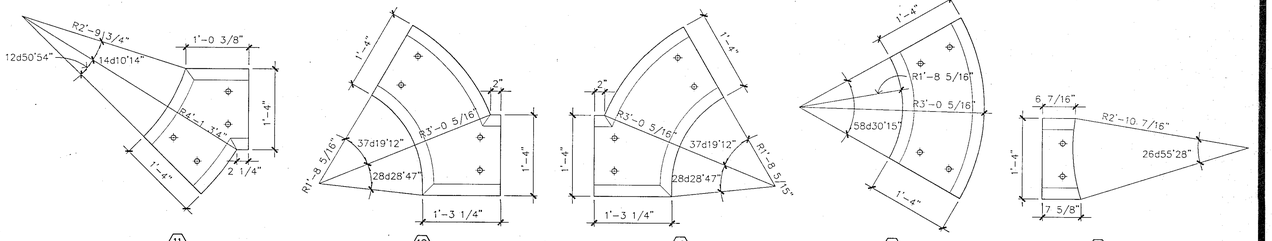
3 PLANTING WALL SECTION
SP-7 — 0' 6" 1' — 1"=1'-0"

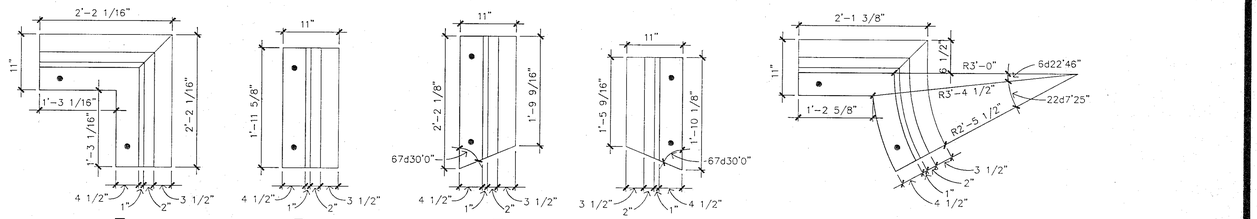


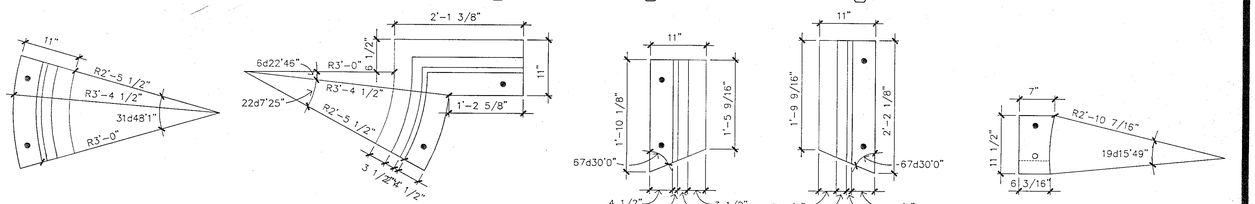
4 FOUNTAIN WALL SECTION
SP-7 — 0' 6" 1' — 1"=1'-0"

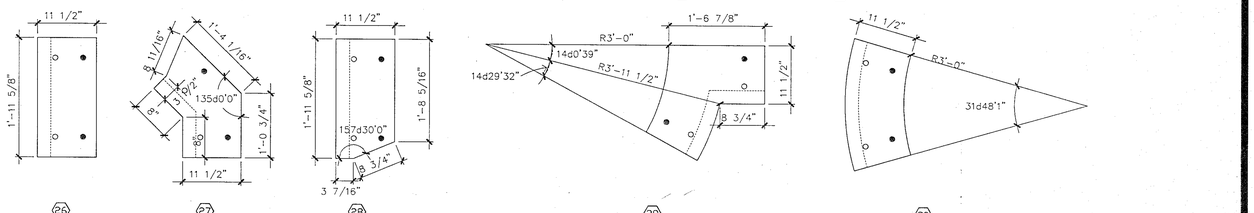


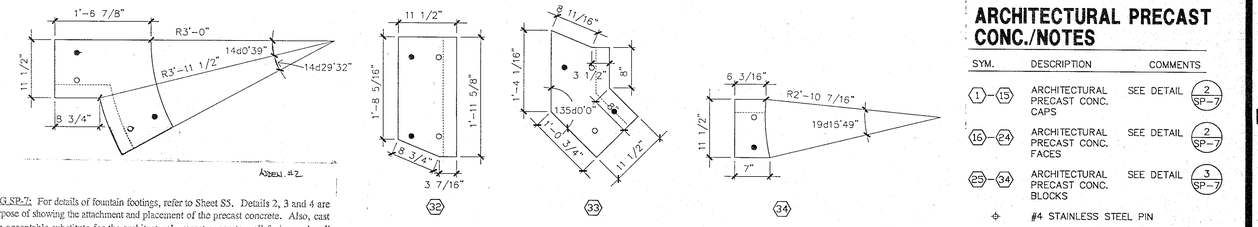












DRAWING SP-7: For details of fountain footings, refer to Sheet S5. Details 2, 3 and 4 are for the purpose of showing the attachment and placement of the precast concrete. Also, cast stone is an acceptable substitute for the architectural precast concrete wall facing and wall caps detailed on this sheet and specified in SECTION 03450 - ARCHITECTURAL PRECAST CONCRETE.

5 ENLARGED DETAILS OF PRECAST CONC.
SP-7 — 0' 6" 1' — 1"=1'-0"

ARCHITECTURAL PRECAST CONC./NOTES

SYM.	DESCRIPTION	COMMENTS
1 – 15	ARCHITECTURAL PRECAST CONC. CAPS	SEE DETAIL 2/SP-7
16 – 24	ARCHITECTURAL PRECAST CONC. FACES	SEE DETAIL 2/SP-7
25 – 34	ARCHITECTURAL PRECAST CONC. BLOCKS	SEE DETAIL 3/SP-7
⌖	#4 STAINLESS STEEL PIN	
o	PREDRILLED HOLE	
•	#4 STAINLESS STEEL PIN PREDRILLED HOLE	

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WICHITA WATER WALK
WICHITA, KANSAS
FOR THE
CITY OF WICHITA

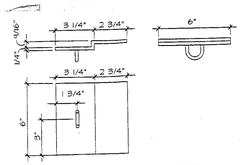
Hammond Montgomery

ENLARGED HOTEL FOUNTAIN PLAN

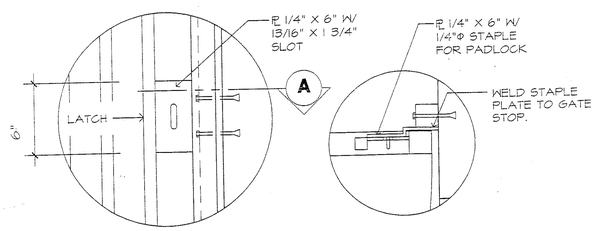
JOB NO.	888.000
DATE	10/30/96
DRAWN	JRS
CHECKED	TDM

SP-7 OF

RECEIVED
FEB 12 1997
Martin K. Eby Construction Co.



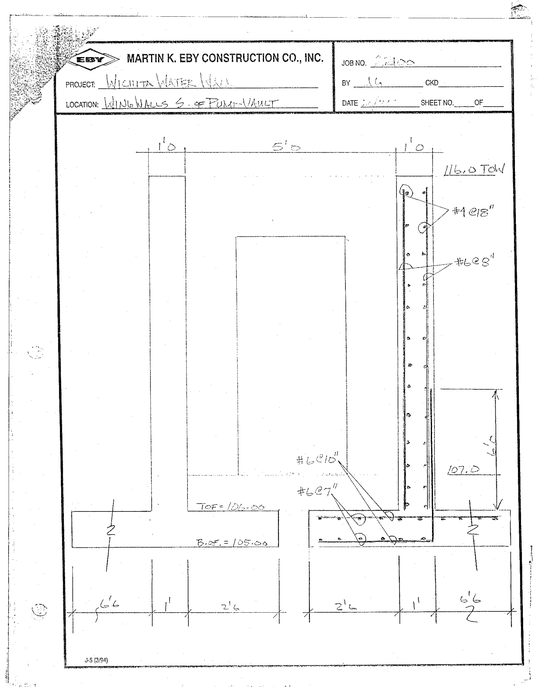
STAPLE PLATE



ELEVATION

SECTION A

GATE LATCH DETAILS

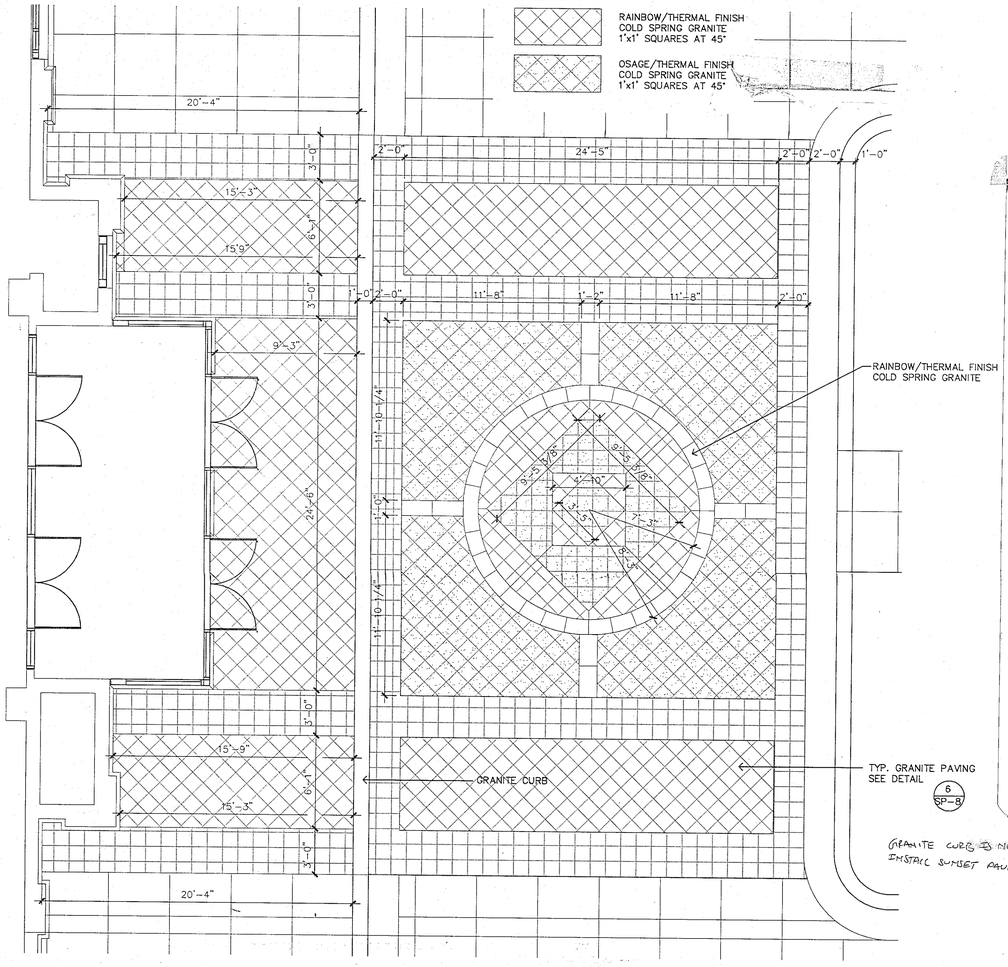


LEGEND

RAINBOW/THERMAL FINISH COLD SPRING GRANITE 1"x1" SQUARES AT 90°

RAINBOW/THERMAL FINISH COLD SPRING GRANITE 1"x1" SQUARES AT 45°

OSAGE/THERMAL FINISH COLD SPRING GRANITE 1"x1" SQUARES AT 45°



GRANITE CURB IS NOT REQUIRED. INSTALL SUNSET PAVERS

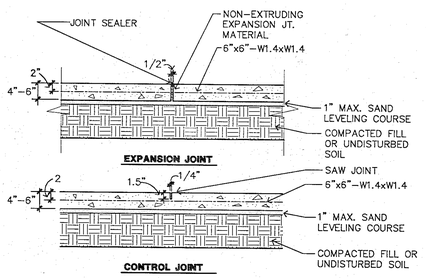
A SP-8 HOTEL ENTRY PAVEMENT - ENLARGED PLAN

0' 2' 4' 6' 1/4"=1'-0"

N

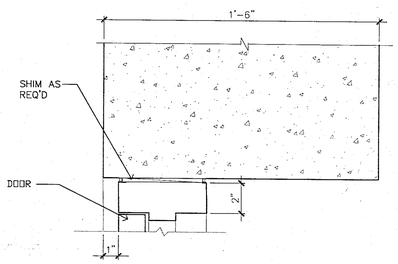
CONCRETE WALK JOINT SPACING

CONTRACTION JOINTS		EXPANSION JOINTS
WIDTH	TRANSVERSE	
4'	4'±	40' MAX
6'	6'	42' MAX
8'	4'	40' MAX
10'	5'	40' MAX
12'	6'	42' MAX



1 SP-8 4" CONC. SIDEWALK AND 6" CONC. PAVEMENT DETAILS

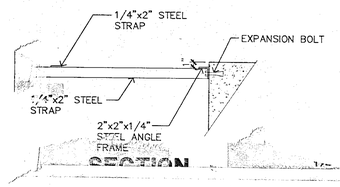
NOT TO SCALE



2 SP-8 H.M. DOOR HEAD/JAMB @ CONCRETE WALL

0' 3" 6" 3"=1'-0"

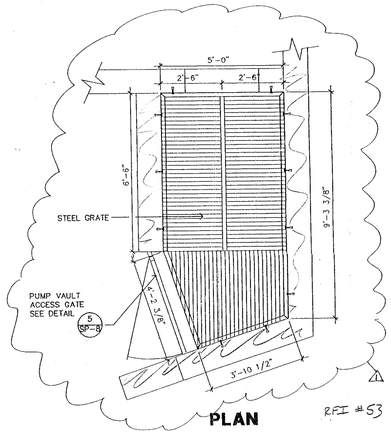
NOTE: GALVANIZE GRATE AFTER FABRICATION



SECTION

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DISTRIBUTE: ED BILL JASON ERIC MATT



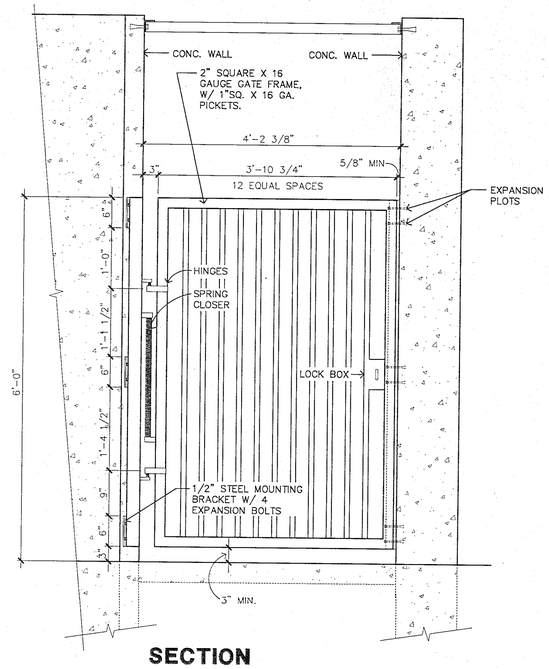
PLAN

RFI #53

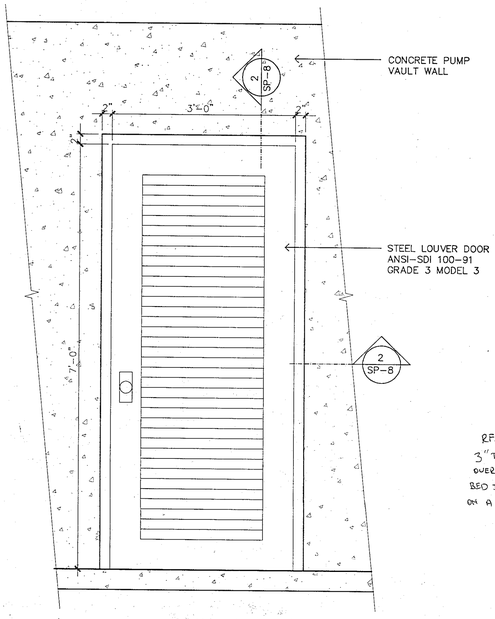
3 SP-8 PUMP VAULT GRATE DETAIL

0' 1' 2' 3' 3/8"=1'0 1/2"=1'-0"

⚠ DIMENSION CORRECTIONS January 23, 1997

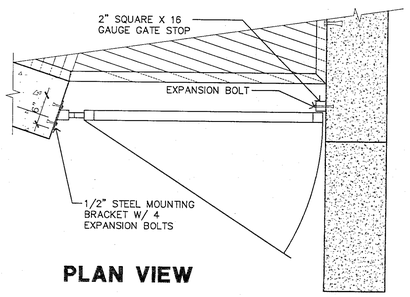


SECTION



4 SP-8 PUMP VAULT ACCESS DOOR

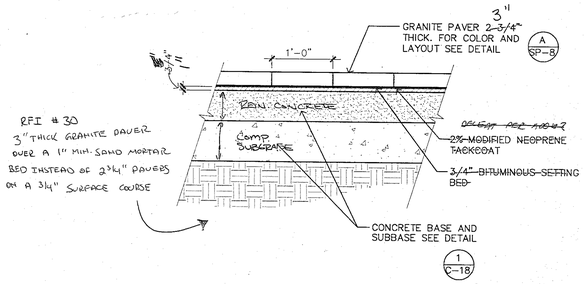
0' 6" 1' 1"=1'-0"



PLAN VIEW

5 SP-8 PUMP VAULT GATE DETAIL

0' 6" 1' 1"=1'-0"



RFI #30
3" THICK GRANITE PAVER OVER A 1" MIN. SAND MORTAR BED INSTEAD OF 2 3/4" PAVERS ON A 3/4" SURFACE COURSE

6 SP-8 GRANITE PAVERS @ HOTEL ENTRY

0' 6" 1' 1"=1'-0"

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WICHITA WATER WALK

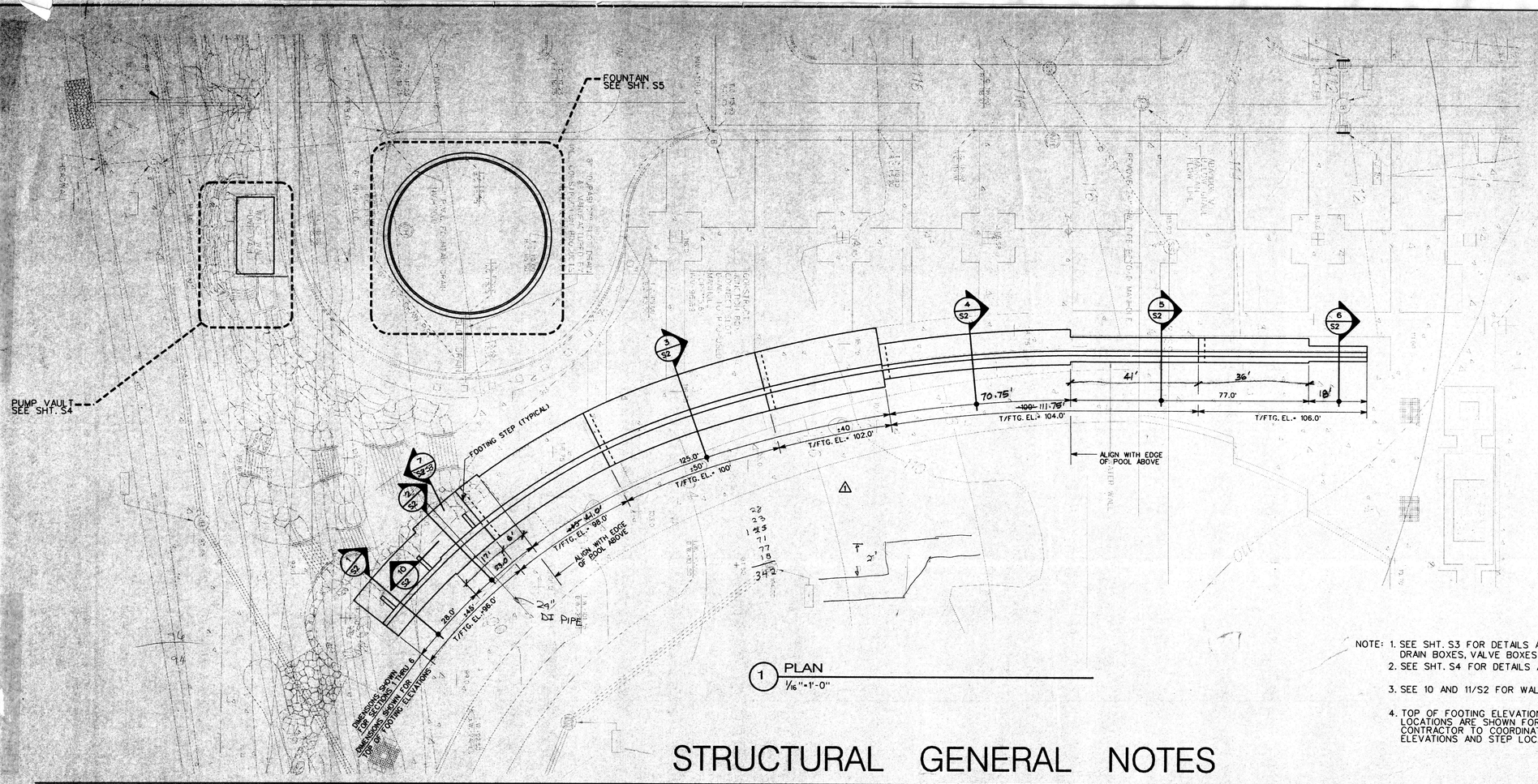
WICHITA, KANSAS
FOR THE
CITY OF WICHITA

DETAILS

JOB NO.	888.000
DATE	10/30/96
DRAWN	JRS
CHECKED	TDM

SP-8 OF

Thu Jan 23 15:48:13 1997 H:\ACAD12\WW\888SP8.DWG



1 PLAN
1/16"=1'-0"

NOTE: 1. SEE SHT. S3 FOR DETAILS AND SECTIONS FOR DRAIN BOXES, VALVE BOXES, AND POND DRAIN.
2. SEE SHT. S4 FOR DETAILS AND SECTIONS
3. SEE 10 AND 11/S2 FOR WALL CONDITIONS AT
4. TOP OF FOOTING ELEVATIONS AND FOOTING STEP LOCATIONS ARE SHOWN FOR BIDDING PURPOSES ONLY CONTRACTOR TO COORDINATE ACTUAL FOOTING ELEVATIONS AND STEP LOCATIONS WITH FINAL GRADES.

STRUCTURAL GENERAL NOTES

1. NO PROVISION OF ANY REFERENCED STANDARD SPECIFICATION, MANUAL OR CODE (WHETHER OR NOT SPECIFICALLY INCORPORATED BY REFERENCE IN THE CONTRACT DOCUMENTS) SHALL BE EFFECTIVE TO CHANGE THE DUTIES AND RESPONSIBILITIES OF OWNER, CONTRACTOR, ENGINEER OR SUPPLIER OR ANY OF THEIR CONSULTANTS, AGENTS OR EMPLOYEES FROM THOSE SET FORTH IN THE CONTRACT DOCUMENTS, NOR SHALL IT BE EFFECTIVE TO ASSIGN TO THE STRUCTURAL ENGINEER OF RECORD OR ANY OF THE STRUCTURAL ENGINEER OF RECORD'S CONSULTANTS, AGENTS, OR EMPLOYEES ANY DUTY OR AUTHORITY TO SUPERVISE OR DIRECT THE FURNISHING OR PERFORMANCE OF THE WORK OR ANY DUTY OR AUTHORITY TO UNDERTAKE RESPONSIBILITIES CONTRARY TO THE PROVISIONS OF THE CONTRACT DOCUMENTS.
2. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCY.
3. ALL MATERIAL, WORKMANSHIP, AND DESIGN SHALL CONFORM TO THE IUNIFORM BUILDING CODE, 1994 EDITION WITH WICHITA CITY AMENDMENTS.
4. THE DESIGN, ADEQUACY, AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC., IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBILE FOR COMPLYING WITH ALL OSHA SAFETY REGULATIONS ON THE PROJECT SITE.
5. THE CONTRACTOR SHALL COORDINATE THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL WORKS WITH THE STRUCTURAL PORTION OF THE CONTRACT DOCUMENTS. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR OMISSIONS.
6. THE CONTRACTOR SHALL VERIFY WALL AND ROOF OPENING SIZES AND LOCATIONS WITH ARCHITECTURAL AND MECHANICAL PORTIONS OF THE DRAWINGS.
7. THE CONTRACTOR SHALL NOTIFY IN WRITING THE STRUCTURAL ENGINEER OF RECORD OF CONDITIONS ENCOUNTERED IN THE FIELD CONTRADICTORY TO THOSE SHOWN ON THE STRUCTURAL PORTION OF THE CONTRACT DOCUMENTS.
8. REFERENCE TO STANDARD SPECIFICATIONS OF ANY TECHNICAL SOCIETY, ORGANIZATION OR ASSOCIATION OR TO CODES OF LOCAL OR STATE AUTHORITIES, SHALL MEAN THE LATEST STANDARD, CODE, SPECIFICATION OR TENTATIVE SPECIFICATION ADOPTED AND PUBLISHED AT THE DATE OF TAKING BIDS, UNLESS SPECIFICALLY STATED OTHERWISE.

FOUNDATION

1. THE FOUNDATION IS DESIGNED UTILIZING THE RECOMMENDATIONS OF TERRACON CONSULTANTS, INC. IN THEIR REPORT NUMBER 01965218 DATED 13 SEPTEMBER 1996 AND SUBSEQUENT LETTERS DATED 24 SEPTEMBER, 26 SEPTEMBER, AND 04 OCTOBER 1996. THE STRUCTURAL ENGINEER OF RECORD IS NOT RESPONSIBLE FOR SUBSURFACE CONDITIONS ENCOUNTERED IN THE FIELD CONTRARY TO THOSE ASSUMED FOR DESIGN.
2. FOUNDATION SHALL INCLUDE OF SPREAD FOOTINGS DESIGNED TO BEAR ON SOIL CAPABLE OF SUPPORTING 4000 PSF, UNLESS NOTED OTHERWISE IN THE STRUCTURAL PORTION OF THE CONTRACT DOCUMENTS.
3. AN INDEPENDENT TESTING LABORATORY SHALL CERTIFY THE BEARING MEDIUM.
4. ALL GRADE SUPPORTED SLABS SHALL BE PLACED ON A MINIMUM OF 2'-6" GRANULAR FILL AND VAPOR BARRIER.

CONCRETE

1. CONCRETE WORK SHALL CONFORM TO THE ACI 318 AND CRSI STANDARDS.
2. CONCRETE SHALL HAVE A MINIMUM SPECIFIED 28 DAY COMPRESSIVE STRENGTH OF 5000 PSI UTILIZING TYPE I CEMENT.
3. PIPES OR DUCTS EXCEEDING ONE-THIRD THE SLAB (INCLUDING CROSSINGS) OR WALL THICKNESS SHALL NOT BE PLACED WITHIN THE THICKNESS OF THE SLAB OR WALL UNLESS SPECIFICALLY DETAILED IN THE STRUCTURAL PORTION OF THE CONTRACT DOCUMENTS. SEE MECHANICAL, PLUMBING, AND/OR ELECTRICAL DRAWINGS FOR SIZE OF DUCTS, ACCESSORIES, ETC. ALL PIPES AND DUCTS SHALL BE LOCATED BETWEEN THE LAYERS OF REINFORCEMENT.
4. REFER TO ARCHITECTURAL DRAWINGS FOR MOLDS, GROOVES, ORNAMENTS, CLIPS OR GROUNDS, REQUIRED TO BE ENCASED IN CONCRETE.

REINFORCING STEEL

1. REINFORCING STEEL SHALL CONFORM TO ASTM A615 - GRADE 60.
2. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 AND HAVE A MINIMUM SIDE LAP OF 8".
3. REINFORCEMENT SHALL BE SPLICED ONLY AS SHOWN OR NOTED IN THE STRUCTURAL CONTRACT DOCUMENTS. SPLICES AT OTHER LOCATIONS SHALL BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER.
4. PROVIDE DOWELS IN FOOTINGS THE SAME SIZE AND NUMBER AS VERTICAL WALL REINFORCING. DOWELS SHALL HAVE A MINIMUM LAP SPLICE AS INDICATED ON THE DRAWINGS.
5. UNLESS NOTED OTHERWISE PROVIDE THE FOLLOWING PROTECTIVE COVERING OF REINFORCING BARS:

BELOW GRADE (UNFORMED)	3" CLEAR
BELOW GRADE (FORMED)	2" CLEAR
EXPOSED TO WEATHER	2" CLEAR

6. REINFORCING BARS MARKED CONTINUOUS TO BE SPLICED WITH CLASS "B" TENSION LAP SPLICE.
7. ALL TENSION SPLICES SHALL BE CLASS "B" LAP SPLICES UNLESS NOTED OTHERWISE.
8. CONTRACTOR SHALL PROVIDE REINFORCING SHOP DRAWINGS WHICH ADEQUATELY DEPICT THE REINFORCING BAR SIZES AND PLACEMENT. WRITTEN DESCRIPTION OF REINFORCEMENT WITHOUT ADEQUATE SECTIONS, ELEVATIONS, AND DETAILS IS NOT ACCEPTABLE.

STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 UNLESS OTHERWISE NOTED.
2. STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED ACCORDING TO THE AISC "MANUAL OF STEEL CONSTRUCTION LOAD AND RESISTANCE FACTOR DESIGN" LATEST EDITION. CONTRACT DOCUMENTS SHALL GOVERN IN THE EVENT OF CONFLICT WITH THE AISC "MANUAL OF STEEL CONSTRUCTION LOAD AND RESISTANCE FACTOR DESIGN."
3. FABRICATOR SHALL PREPARE SHOP DRAWINGS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. CONNECTIONS SHALL BE DETAILED BASED ON THE DESIGN INFORMATION PROVIDED IN THE CONTRACT DOCUMENTS. DEVIATION FROM THE CONNECTION DETAILS DEPICTED IN THE CONTRACT DOCUMENTS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE STRUCTURAL ENGINEER OF RECORD. STRUCTURAL ENGINEER OF RECORD SHALL BE COMPENSATED BY THE FABRICATOR FOR THE COST INVOLVED IN THE REDESIGN OF CONNECTIONS FOR THE CONVENIENCE OF THE FABRICATOR.
4. BOLTED CONNECTIONS SHALL BE SLIP CRITICAL (friction type) WITH MINIMUM 3/4" DIAMETER A-325 DIRECT TENSION INDICATOR BOLTS.
5. USE PREQUALIFIED WELDED JOINTS PER AISC AND THE STRUCTURAL WELDING CODE OF THE AMERICAN WELDING SOCIETY. "NON-PREQUALIFIED JOINTS" SHALL BE QUALIFIED BY THE FABRICATOR PRIOR TO FABRICATION.
6. PUMP VAULT LADDER SHALL BE FABRICATED FROM GALVANIZED STRUCTURAL STEEL PLATE AND ROD. SHALL BE FILLET WELDED, AND SHALL MEET ALL APPLICABLE OSHA REQUIREMENTS. GALVANIZATION SHALL MATCH REQUIREMENTS FOR GRATING.

SUBMITTALS

1. FURNISH ONE SEPIA AND TWO PRINTS OF ALL SHOP DRAWINGS. FURNISH THREE COPIES OF ALL OTHER STRUCTURAL SUBMITTALS.
2. SEE INDIVIDUAL SECTIONS FOR DESIGN RESPONSIBILITIES AND THE STRUCTURAL ENGINEER OF RECORD'S REVIEW RESPONSIBILITIES WITH REGARD TO SUBMITTAL REVIEW.
3. SEE STRUCTURAL SPECIFICATIONS FOR ADDITIONAL SUBMITTAL REQUIREMENTS AND PROCEDURES.
4. REPRODUCTION OF CONTRACT DOCUMENTS FOR SHOP DRAWINGS WILL NOT BE PERMITTED.
5. REVIEW OF SUBMITTALS AND/OR SHOP DRAWINGS BY THE STRUCTURAL ENGINEER OF RECORD DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS BEFORE SUBMITTAL TO THE STRUCTURAL ENGINEER OF RECORD. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS. CONTRACTOR ALSO SHALL BE RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION. SEE SPECIFIC PROVISIONS IN THE CONTRACT DOCUMENTS DEALING WITH THE APPROPRIATE DESIGN RESPONSIBILITIES OF CONTRACTORS, SUBCONTRACTORS, AND SUPPLIERS.

DESIGN LOADS

1. LIVE LOADS
   - 200 PSF PLAZA AREA
   - 150 PSF PUMP ROOM FLOOR
2. WIND LOADS BASED ON 80 MPH BASIC WIND VELOCITY
3. SEISMIC LOADS BASED ON SEISMIC ZONE 1

PREENGINEERED SYSTEMS

1. THE DESIGN OF PREENGINEERED SYSTEMS SPECIFIED IN THE CONTRACT DOCUMENTS WHICH ARE DESIGNED/ENGINEERED BY OTHERS IS THE SOLE RESPONSIBILITY OF THE SUPPLIER AND ITS DESIGN ENGINEER, LICENSED IN THE STATE OF KANSAS. SUBMITTALS OF SUCH SYSTEMS TO THE STRUCTURAL ENGINEER OF RECORD SHALL BE REVIEWED FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS WITH REGARD TO THE ARRANGEMENT AND OR SIZES OF MEMBERS, SHOWN ON THE STRUCTURAL CONTRACT DOCUMENTS, AND THE SUPPLIERS INTERPRETATION OF THE DESIGN INFORMATION INCLUDED IN THE CONTRACT DOCUMENTS. SUCH REVIEW BY THE STRUCTURAL ENGINEER OF RECORD SHALL NOT IMPLY ANY RESPONSIBILITY FOR THE ACTUAL DESIGN OF SUCH SYSTEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DIMENSIONAL ACCURACY AND CONFORMANCE WITH THE INFORMATION CONTAINED IN THE CONTRACT DOCUMENTS.
2. SEE SPECIFIC SECTIONS OF GENERAL NOTES ABOVE AND SPECIFICATIONS FOR THE APPROPRIATE DESIGN RESPONSIBILITIES OF THE SUPPLIER AND ITS LICENSED ENGINEER.
3. THE CONTRACT DOCUMENTS (DRAWINGS, GENERAL NOTES, AND SPECIFICATIONS) SHALL GOVERN IN THE EVENT OF A CONFLICT WITH THE SPECIFICATIONS AND OR CODE OF PRACTICE FOR AISC, PCI, SJI OR OTHER STANDARDS.

WATERPROOFING

1. WATERPROOFING OF CONCRETE IS REQUIRED AT EXTERIOR OF PUMP VAULT AND ALL PLUMBING INLETS, DRAINS, AND OUTLETS. SEE SPECIFICATIONS FOR WATERPROOFING REQUIREMENTS.

REVISIONS	
NO.	REMARKS
1	ADDENDUM NO. 1
2	CHANGE ORDER NO. 2

PRINTED	
DATE	REMARKS
30 OCT 96	ISSUED FOR CONSTR.
19 NOV 96	ADDENDUM NO. 1
2 JAN 97	CHANGE ORDER NO2

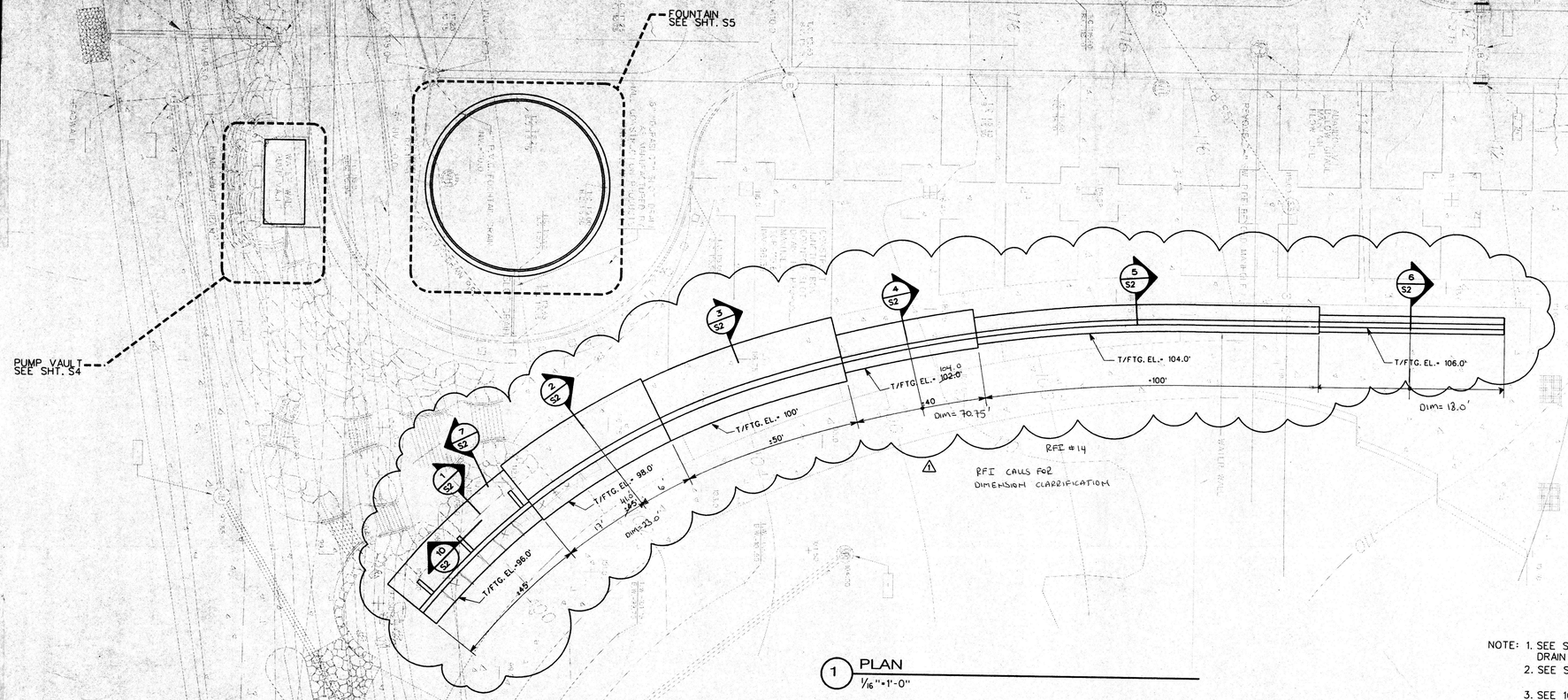
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Suite 1700
Atlanta, Georgia 30339-5688
Telephone 770-850-1567
Fax 770-850-1562

STANLEY D. LINDSEY LICENSED 1533 KANSAS PROFESSIONAL ENGINEER

WICHITA WATER WALK
WICHITA, KANSAS
CITY OF WICHITA

DATE 2 JANUARY 1997
DRAWN SSD
CHECKED AOS
JOB NO. 96301
SHEET S1
OF #

DGN: E_WICHITA WATER WALK
DB: 96301



1 PLAN
1/16"=1'-0"

NOTE: 1. SEE SHT. S3 FOR DETAILS AND SECTIONS FOR DRAIN BOXES, VALVE BOXES, AND POND DRAIN.
2. SEE SHT. S4 FOR DETAILS AND SECTIONS
3. SEE 10 AND 11/S2 FOR WALL CONDITIONS AT
4. TOP OF FOOTING ELEVATIONS AND FOOTING STEP LOCATIONS ARE SHOWN FOR BIDDING PURPOSES ONLY CONTRACTOR TO COORDINATE ACTUAL FOOTING ELEVATIONS AND STEP LOCATIONS WITH FINAL GRADES. ⚠

STRUCTURAL GENERAL NOTES

1. NO PROVISION OF ANY REFERENCED STANDARD SPECIFICATION, MANUAL OR CODE (WHETHER OR NOT SPECIFICALLY INCORPORATED BY REFERENCE IN THE CONTRACT DOCUMENTS) SHALL BE EFFECTIVE TO CHANGE THE DUTIES AND RESPONSIBILITIES OF OWNER, CONTRACTOR, ENGINEER OR SUPPLIER OR ANY OF THEIR CONSULTANTS, AGENTS OR EMPLOYEES FROM THOSE SET FORTH IN THE CONTRACT DOCUMENTS, NOR SHALL IT BE EFFECTIVE TO ASSIGN TO THE STRUCTURAL ENGINEER OF RECORD OR ANY OF THE STRUCTURAL ENGINEER OF RECORD'S CONSULTANTS, AGENTS, OR EMPLOYEES ANY DUTY OR AUTHORITY TO SUPERVISE OR DIRECT THE FURNISHING OR PERFORMANCE OF THE WORK OR ANY DUTY OR AUTHORITY TO UNDERTAKE RESPONSIBILITIES CONTRARY TO THE PROVISIONS OF THE CONTRACT DOCUMENTS.
2. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCY.
3. ALL MATERIAL, WORKMANSHIP, AND DESIGN SHALL CONFORM TO THE 1UNIFORM BUILDING CODE, 1994 EDITION WITH WICHITA CITY AMENDMENTS.
4. THE DESIGN, ADEQUACY, AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBILE FOR COMPLYING WITH ALL OSHA SAFETY REGULATIONS ON THE PROJECT SITE.
5. THE CONTRACTOR SHALL COORDINATE THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL WORKS WITH THE STRUCTURAL PORTION OF THE CONTRACT DOCUMENTS. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR OMISSIONS.
6. THE CONTRACTOR SHALL VERIFY WALL AND ROOF OPENING SIZES AND LOCATIONS WITH ARCHITECTURAL AND MECHANICAL PORTIONS OF THE DRAWINGS.
7. THE CONTRACTOR SHALL NOTIFY IN WRITING THE STRUCTURAL ENGINEER OF RECORD OF CONDITIONS ENCOUNTERED IN THE FIELD CONTRADICTORY TO THOSE SHOWN ON THE STRUCTURAL PORTION OF THE CONTRACT DOCUMENTS.
8. REFERENCE TO STANDARD SPECIFICATIONS OF ANY TECHNICAL SOCIETY, ORGANIZATION OR ASSOCIATION OR TO CODES OF LOCAL OR STATE AUTHORITIES, SHALL MEAN THE LATEST STANDARD, CODE, SPECIFICATION OR TENTATIVE SPECIFICATION ADOPTED AND PUBLISHED AT THE DATE OF TAKING BIDS, UNLESS SPECIFICALLY STATED OTHERWISE.

FOUNDATION

1. THE FOUNDATION IS DESIGNED UTILIZING THE RECOMMENDATIONS OF TERRACON CONSULTANTS, INC. IN THEIR REPORT NUMBER 01965218 DATED 13 SEPTEMBER 1996 AND SUBSEQUENT LETTERS DATED 24 SEPTEMBER, 26 SEPTEMBER, AND 04 OCTOBER 1996. THE STRUCTURAL ENGINEER OF RECORD IS NOT RESPONSIBLE FOR SUBSURFACE CONDITIONS ENCOUNTERED IN THE FIELD CONTRARY TO THOSE ASSUMED FOR DESIGN.
2. FOUNDATION SHALL INCLUDE OF SPREAD FOOTINGS DESIGNED TO BEAR ON SOIL CAPABLE OF SUPPORTING 4000 PSF, UNLESS NOTED OTHERWISE IN THE STRUCTURAL PORTION OF THE CONTRACT DOCUMENTS.
3. AN INDEPENDENT TESTING LABORATORY SHALL CERTIFY THE BEARING MEDIUM.
4. ALL GRADE SUPPORTED SLABS SHALL BE PLACED ON A MINIMUM OF 2'-6" GRANULAR FILL AND VAPOR BARRIER. ⚠

CONCRETE

1. CONCRETE WORK SHALL CONFORM TO THE ACI 318 AND CRSI STANDARDS.
2. CONCRETE SHALL HAVE A MINIMUM SPECIFIED 28 DAY COMPRESSIVE STRENGTH OF 5000 PSI UTILIZING TYPE I CEMENT.
3. PIPES OR DUCTS EXCEEDING ONE-THIRD THE SLAB (INCLUDING CROSSINGS) OR WALL THICKNESS SHALL NOT BE PLACED WITHIN THE THICKNESS OF THE SLAB OR WALL UNLESS SPECIFICALLY DETAILED IN THE STRUCTURAL PORTION OF THE CONTRACT DOCUMENTS. SEE MECHANICAL, PLUMBING, AND/OR ELECTRICAL DRAWINGS FOR LOCATION OF SLEEVES, ACCESSORIES, ETC. ALL PIPES AND DUCTS SHALL BE LOCATED BETWEEN THE LAYERS OF REINFORCEMENT.
4. REFER TO ARCHITECTURAL DRAWINGS FOR MOLDS, GROOVES, ORNAMENTS, CLIPS OR GROUNDS, REQUIRED TO BE ENCASED IN CONCRETE.

REINFORCING STEEL

1. REINFORCING STEEL SHALL CONFORM TO ASTM A615 - GRADE 60.
2. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 AND HAVE A MINIMUM SIDE LAP OF 8".
3. REINFORCEMENT SHALL BE SPLICED ONLY AS SHOWN OR NOTED IN THE STRUCTURAL CONTRACT DOCUMENTS. SPLICES AT OTHER LOCATIONS SHALL BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER.
4. PROVIDE DOWELS IN FOOTINGS THE SAME SIZE AND NUMBER AS VERTICAL WALL REINFORCING. DOWELS SHALL HAVE A MINIMUM LAP SPLICE AS INDICATED ON THE DRAWINGS.
5. UNLESS NOTED OTHERWISE PROVIDE THE FOLLOWING PROTECTIVE COVERING OF REINFORCING BARS:

BELOW GRADE (UNFORMED)	3" CLEAR
BELOW GRADE (FORMED)	2" CLEAR
EXPOSED TO WEATHER	2" CLEAR

6. REINFORCING BARS MARKED CONTINUOUS TO BE SPLICED WITH CLASS "B" TENSION LAP SPLICE.
7. ALL TENSION SPLICES SHALL BE CLASS "B" LAP SPLICES UNLESS NOTED OTHERWISE.
8. CONTRACTOR SHALL PROVIDE REINFORCING SHOP DRAWINGS WHICH ADEQUATELY DEPICT THE REINFORCING BAR SIZES AND PLACEMENT. WRITTEN DESCRIPTION OF REINFORCEMENT WITHOUT ADEQUATE SECTIONS, ELEVATIONS, AND DETAILS IS NOT ACCEPTABLE.

STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 UNLESS OTHERWISE NOTED.
2. STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED ACCORDING TO THE AISC "MANUAL OF STEEL CONSTRUCTION LOAD AND RESISTANCE FACTOR DESIGN" LATEST EDITION. CONTRACT DOCUMENTS SHALL GOVERN IN THE EVENT OF CONFLICT WITH THE AISC "MANUAL OF STEEL CONSTRUCTION LOAD AND RESISTANCE FACTOR DESIGN."
3. FABRICATOR SHALL PREPARE SHOP DRAWINGS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. CONNECTIONS SHALL BE DETAILED BASED ON THE DESIGN INFORMATION PROVIDED IN THE CONTRACT DOCUMENTS. DEVIATION FROM THE CONNECTION DETAILS DEPICTED IN THE CONTRACT DOCUMENTS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE STRUCTURAL ENGINEER OF RECORD. STRUCTURAL ENGINEER OF RECORD SHALL BE COMPENSATED BY THE FABRICATOR FOR THE COST INVOLVED IN THE REDESIGN OF CONNECTIONS FOR THE CONVENIENCE OF THE FABRICATOR.
4. BOLTED CONNECTIONS SHALL BE SLIP CRITICAL (friction type) WITH MINIMUM 3/4" DIAMETER A-325 DIRECT TENSION INDICATOR BOLTS.
5. USE PREQUALIFIED WELDED JOINTS PER AISC AND THE STRUCTURAL WELDING CODE OF THE AMERICAN WELDING SOCIETY. "NON-PREQUALIFIED JOINTS" SHALL BE QUALIFIED BY THE FABRICATOR PRIOR TO FABRICATION.

SUBMITTALS

1. FURNISH ONE SEPIA AND TWO PRINTS OF ALL SHOP DRAWINGS. FURNISH THREE COPIES OF ALL OTHER STRUCTURAL SUBMITTALS.
2. SEE INDIVIDUAL SECTIONS FOR DESIGN RESPONSIBILITIES AND THE STRUCTURAL ENGINEER OF RECORD'S REVIEW RESPONSIBILITIES WITH REGARD TO SUBMITTAL REVIEW.
3. SEE STRUCTURAL SPECIFICATIONS FOR ADDITIONAL SUBMITTAL REQUIREMENTS AND PROCEDURES.
4. REPRODUCTION OF CONTRACT DOCUMENTS FOR SHOP DRAWINGS WILL NOT BE PERMITTED.
5. REVIEW OF SUBMITTALS AND/OR SHOP DRAWINGS BY THE STRUCTURAL ENGINEER OF RECORD DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS BEFORE SUBMITTAL TO THE STRUCTURAL ENGINEER OF RECORD. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS. CONTRACTOR ALSO SHALL BE RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION. SEE SPECIFIC PROVISIONS IN THE CONTRACT DOCUMENTS DEALING WITH THE APPROPRIATE DESIGN RESPONSIBILITIES OF CONTRACTORS, SUBCONTRACTORS, AND SUPPLIERS.

DESIGN LOADS

1. LIVE LOADS

200 PSF	PLAZA AREA
150 PSF	PUMP ROOM FLOOR

2. WIND LOADS BASD ON 80 MPH BASIC WIND VELOCITY
3. SEISMIC LOADS BASED ON SEISMIC ZONE 1

PREENGINEERED SYSTEMS

1. THE DESIGN OF PREENGINEERED SYSTEMS SPECIFIED IN THE CONTRACT DOCUMENTS WHICH ARE DESIGNED/ENGINEERED BY OTHERS IS THE SOLE RESPONSIBILITY OF THE SUPPLIER AND ITS DESIGN ENGINEER, LICENSED IN THE STATE OF KANSAS. SUBMITTALS OF SUCH SYSTEMS TO THE STRUCTURAL ENGINEER OF RECORD SHALL BE REVIEWED FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS WITH REGARD TO THE ARRANGEMENT AND OR SIZES OF MEMBERS, SHOWN ON THE STRUCTURAL CONTRACT DOCUMENTS, AND THE SUPPLIERS INTERPRETATION OF THE DESIGN INFORMATION INCLUDED IN THE CONTRACT DOCUMENTS. SUCH REVIEW BY THE STRUCTURAL ENGINEER OF RECORD SHALL NOT IMPLY ANY RESPONSIBILITY FOR THE ACTUAL DESIGN OF SUCH SYSTEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DIMENSIONAL ACCURACY AND CONFORMANCE WITH THE INFORMATION CONTAINED IN THE CONTRACT DOCUMENTS.
2. SEE SPECIFIC SECTIONS OF GENERAL NOTES ABOVE AND SPECIFICATIONS FOR THE APPROPRIATE DESIGN RESPONSIBILITIES OF THE SUPPLIER AND ITS LICENSED ENGINEER.
3. THE CONTRACT DOCUMENTS (DRAWINGS, GENERAL NOTES, AND SPECIFICATIONS) SHALL GOVERN IN THE EVENT OF A CONFLICT WITH THE SPECIFICATIONS AND OR CODE OF PRACTICE FOR AISC, PCI, SJI OR OTHER STANDARDS.

ADDENDUM #1
11/20/96

REVISIONS	
NO.	REMARKS
⚠	ADDENDUM NO. 1

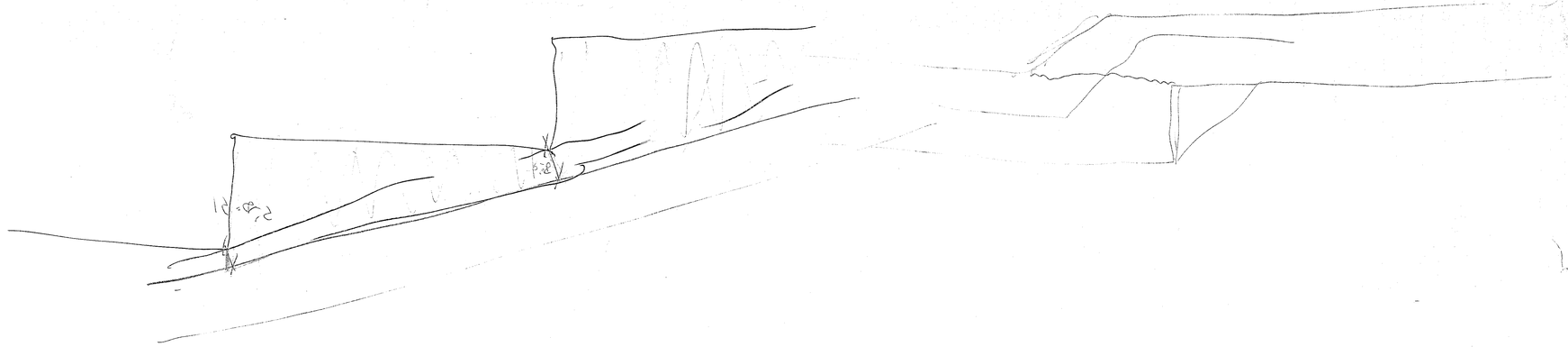
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DATE	REMARKS
30 OCT 96	ISSUED FOR CONSTR.
19 NOV 96	ADDENDUM NO. 1

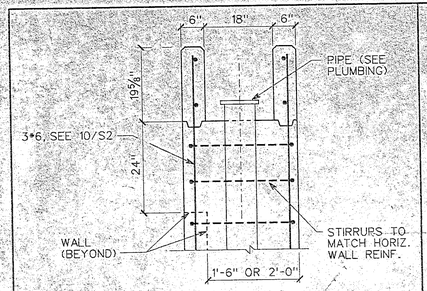
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Atlanta, Georgia 30339-5868
Telephone 770-850-1267
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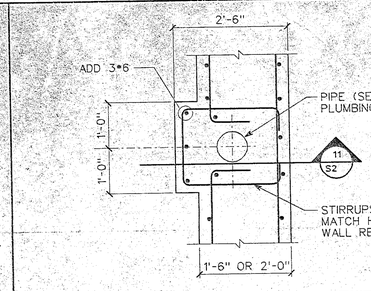
WICHITA WATER WALK
WICHITA, KANSAS
CITY OF WICHITA

DATE 30 SEPTEMBER 96
DRAWN CSD
CHECKED KDS
JOB NO. 96311
SHEET S1

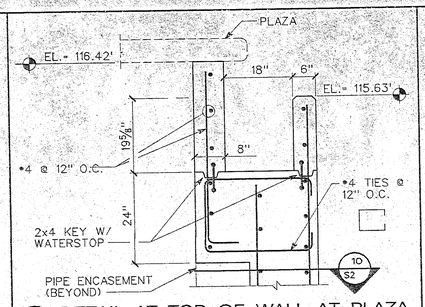




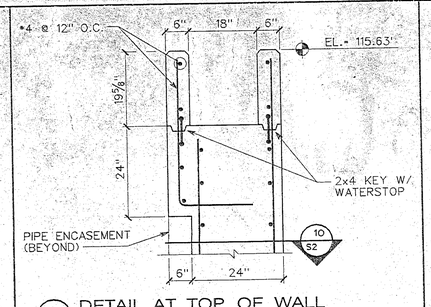
11 SECTION AT PIPE ENCASEMENT
¾"=1'-0"



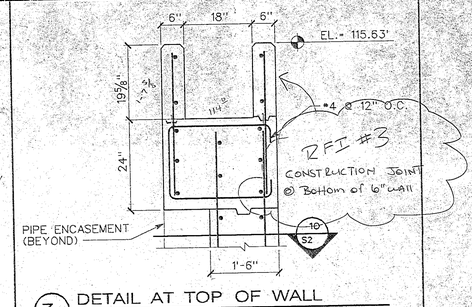
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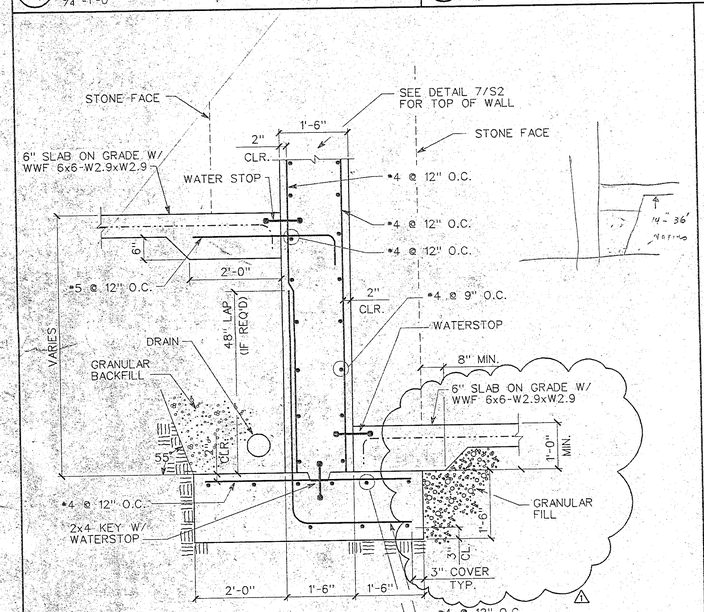
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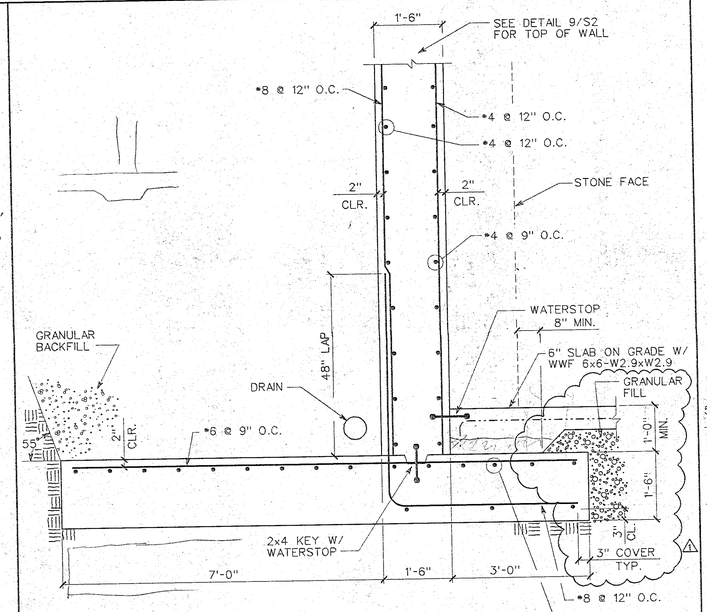
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¾"=1'-0"



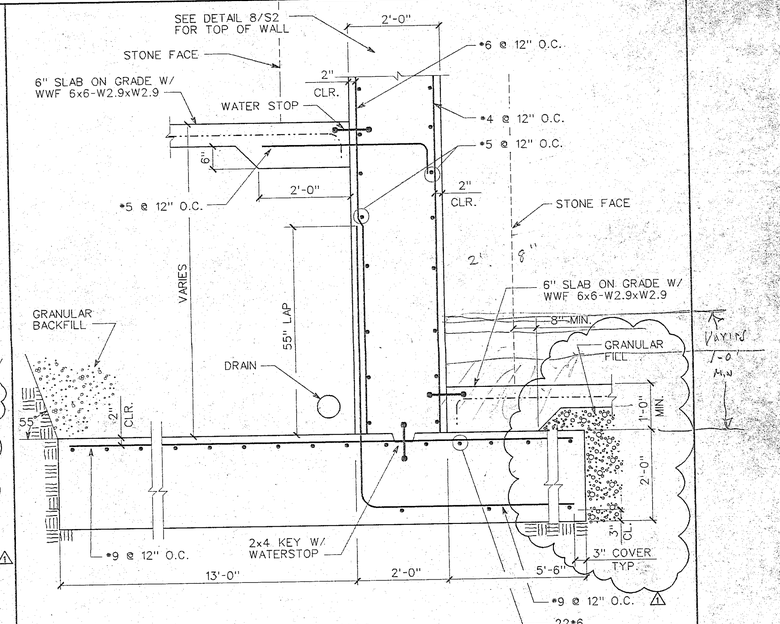
7 DETAIL AT TOP OF WALL
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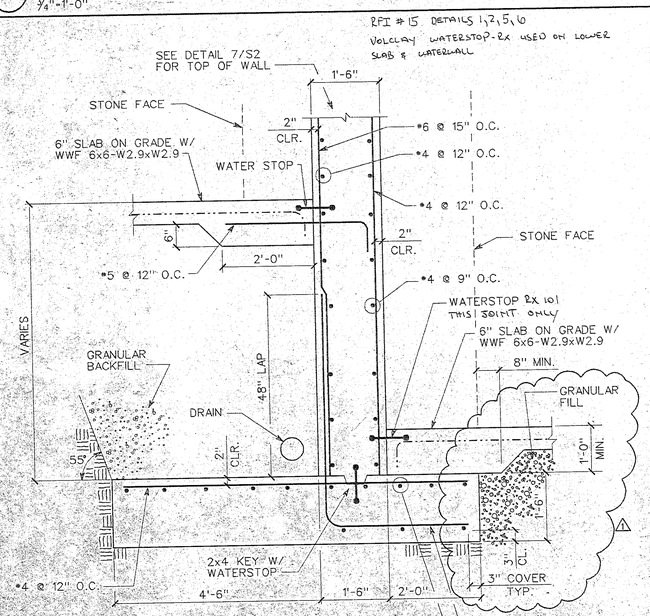
6 SECTION AT RETAINING WALL
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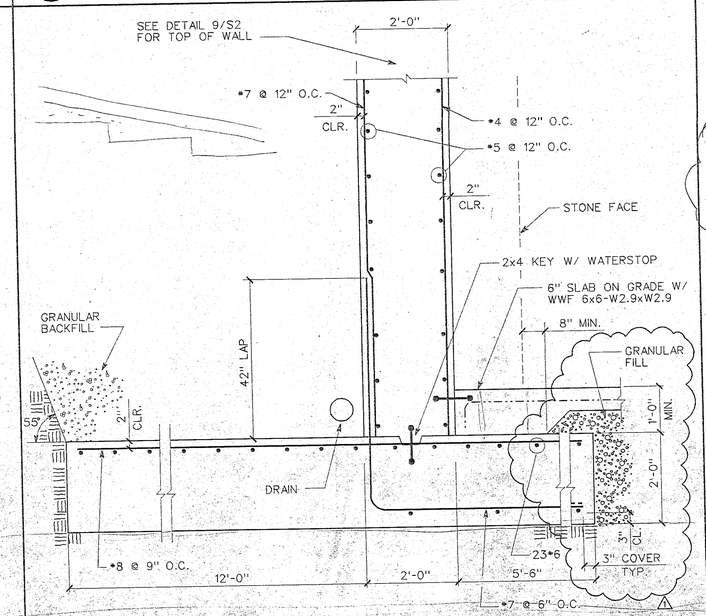
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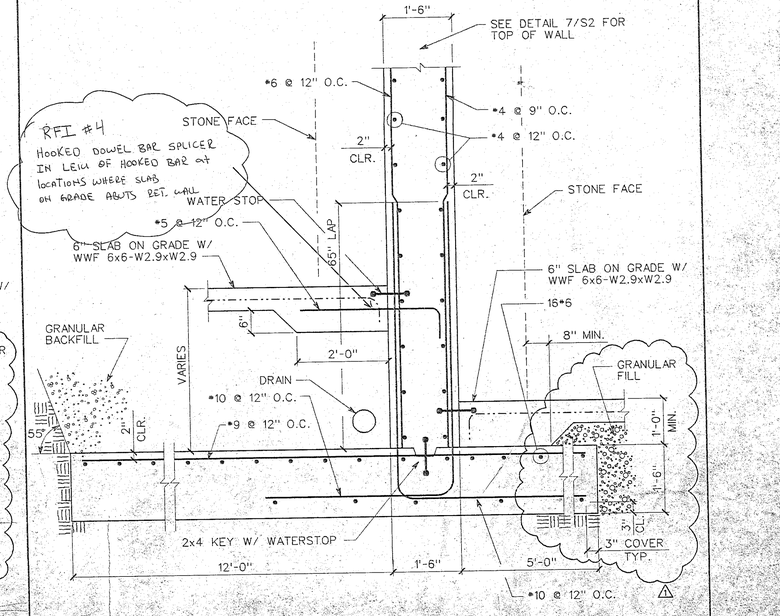
2 SECTION AT RETAINING WALL
¾"=1'-0"



5 SECTION AT RETAINING WALL
¾"=1'-0"



3 SECTION AT RETAINING WALL
¾"=1'-0"



1 SECTION AT RETAINING WALL
¾"=1'-0"

ADDENDUM #1 11/20/96

PRINTED

DATE	REMARKS
30 OCT '96	ISSUED FOR CONSTR.
19 NOV. '96	ADDENDUM NO. 1

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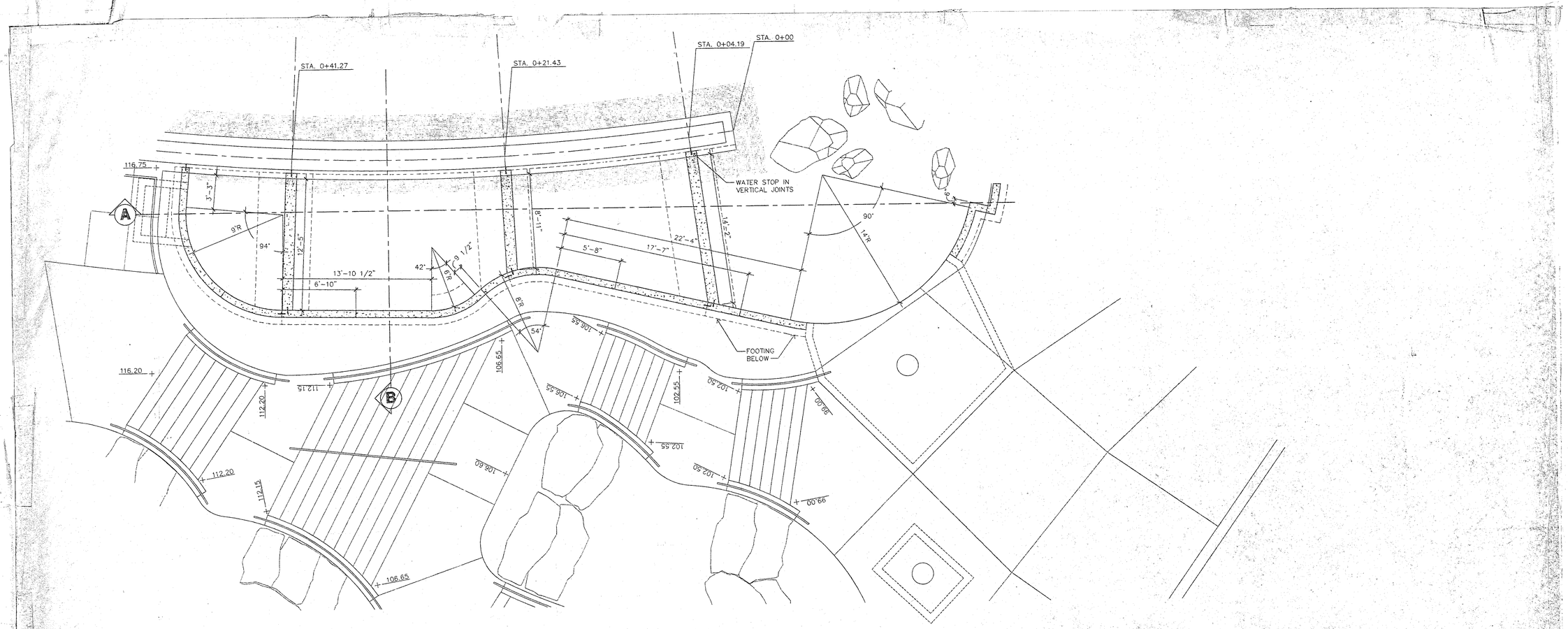
STANLEY D. LINDSEY 7799 KANSAS REGISTERED STRUCTURAL ENGINEER

WICHITA WATER WALK
WICHITA, KANSAS
CITY OF WICHITA

DATE	SCALE	JOB NO.
30 SEPTEMBER 96	3/4"=1'-0"	9601
SHEET	DRAWN BY	CHECKED BY
S2	DSL	DSL
		6

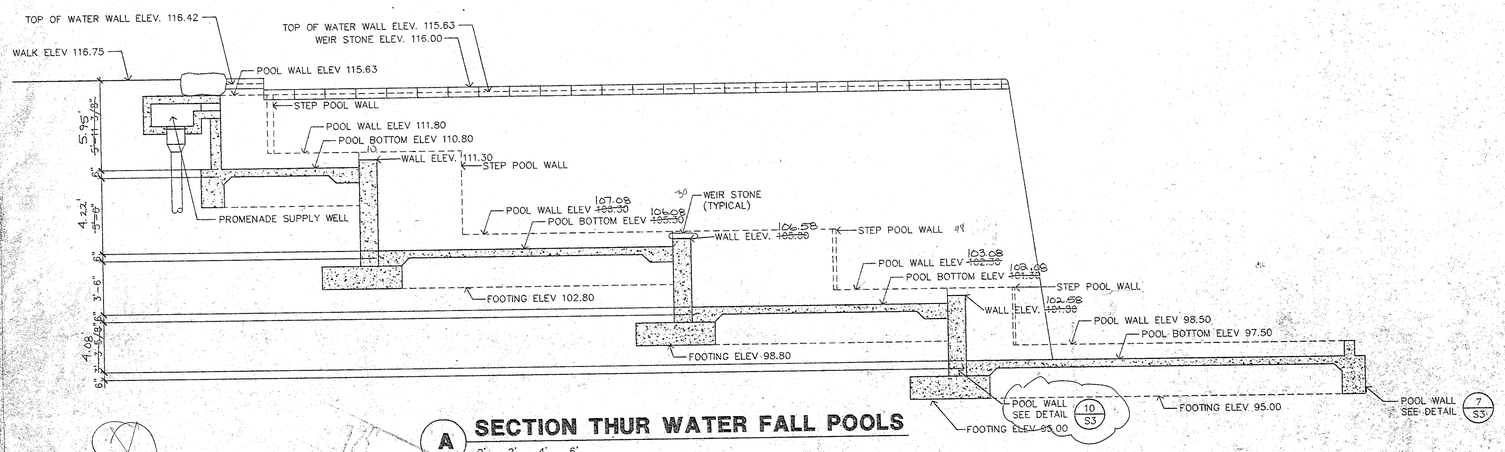
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BY: DSL
ISSUED: 11/20/96



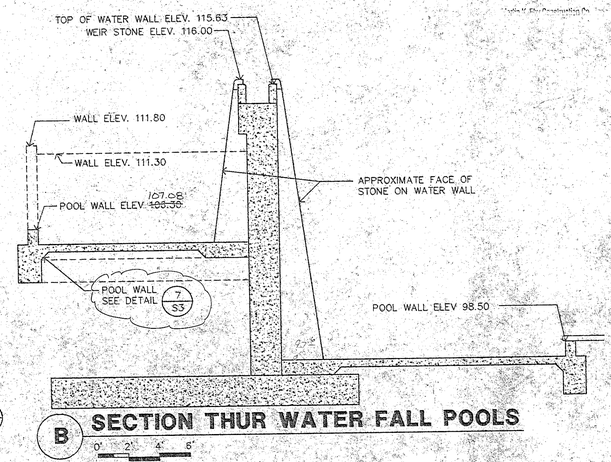
1 ENLARGED STAIRWAY PLAN

0' 2' 4' 6'



A SECTION THUR WATER FALL POOLS

0' 2' 4' 6'



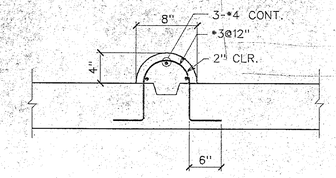
B SECTION THUR WATER FALL POOLS

0' 2' 4' 6'

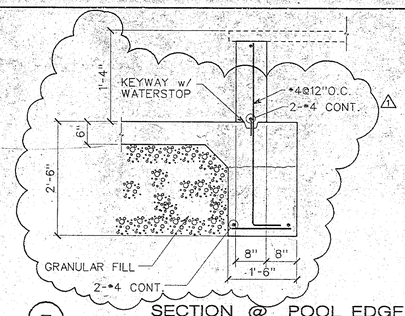
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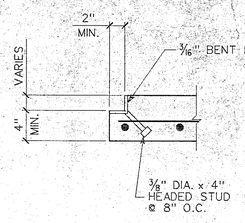
RFI # 78 CONCRETE WEIRS EXTEND TO THE POOL WALL.
RFI # 83 WEIRS EXTEND TO CENTER STONE ON WATER WALL.



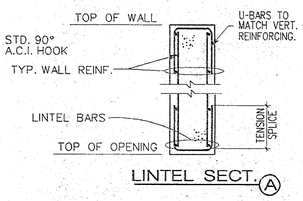
9 SECTION



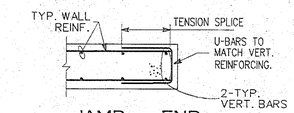
7 SECTION @ POOL EDGE



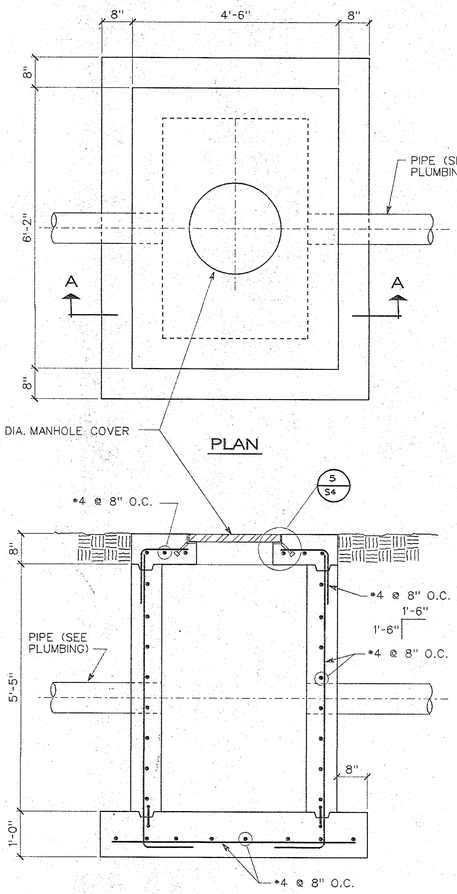
5 DETAIL AT ACCESS COVER
1½"=1'-0"



LINTEL SECT. (A)

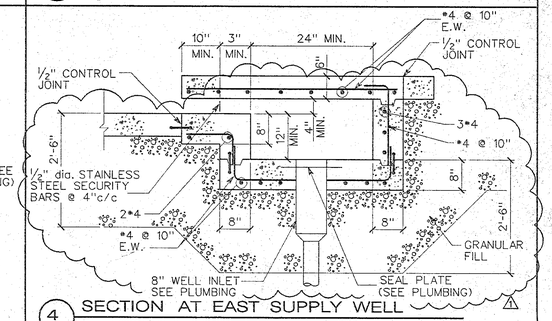


JAMB or END OF WALL (B)

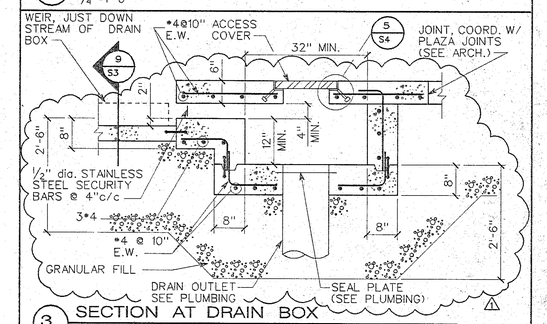


SECTION A–A

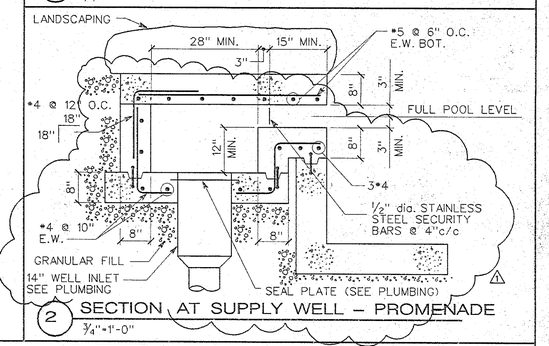
6 DETAIL AT VALVE BOX
¾"=1'-0"



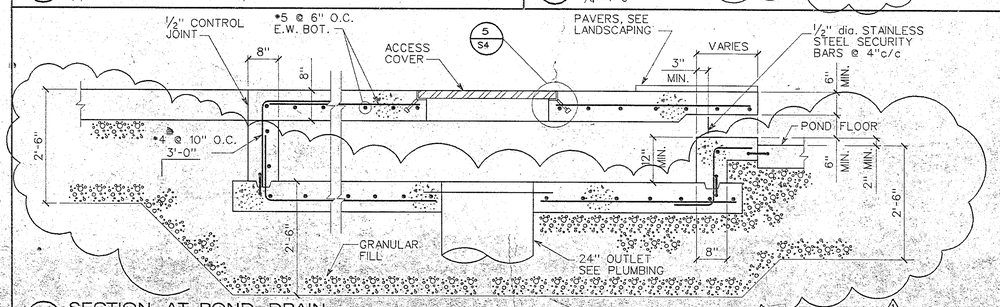
4 SECTION AT EAST SUPPLY WELL
¾"=1'-0"



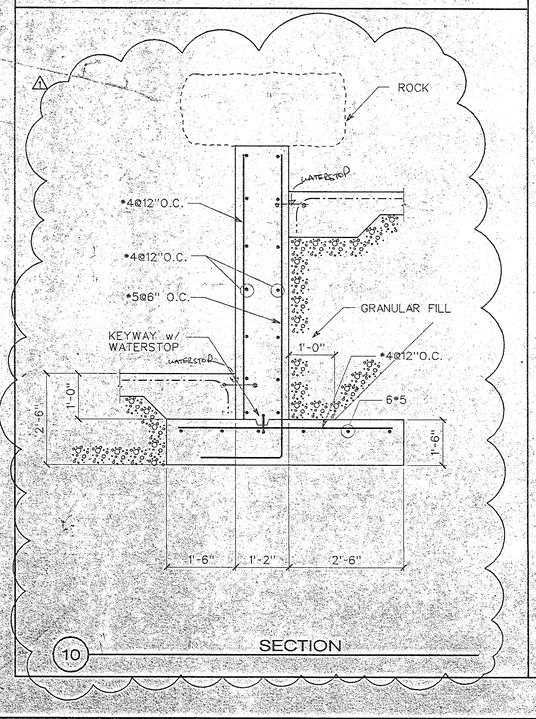
3 SECTION AT DRAIN BOX
¾"=1'-0"



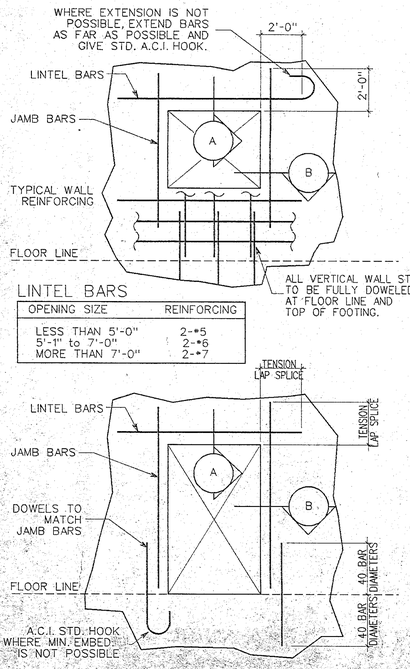
2 SECTION AT SUPPLY WELL – PROMENADE
¾"=1'-0"



1 SECTION AT POND DRAIN
¾"=1'-0"



10 SECTION



LINTEL BARS

OPENING SIZE	REINFORCING
LESS THAN 5'-0"	2-#5
5'-1" to 7'-0"	2-#6
MORE THAN 7'-0"	2-#7

8 TYPICAL MINIMUM REINFORCING AT CONCRETE WALL OPENINGS

ADDENDUM #1 11/20/96

REVISIONS

NO.	REMARKS
1	ADDENDUM NO. 1

Pool weir Sec # & detail

PRINTED

DATE	REMARKS
30 OCT. 96	ISSUED FOR CONSTR.
19 NOV. 96	ADDENDUM NO. 1

SDL
STANLEY D. LINDSEY & ASSOCIATES, LTD.
ATLANTA, GEORGIA
STRUCTURAL ENGINEERS
DESIGN + RESEARCH
COMPUTER APPLICATIONS
2300 Windy Ridge Parkway, SE, Suite 1160 South
Atlanta, Georgia 30339-8443
Telephone 770-952-1444
Fax 770-952-1462

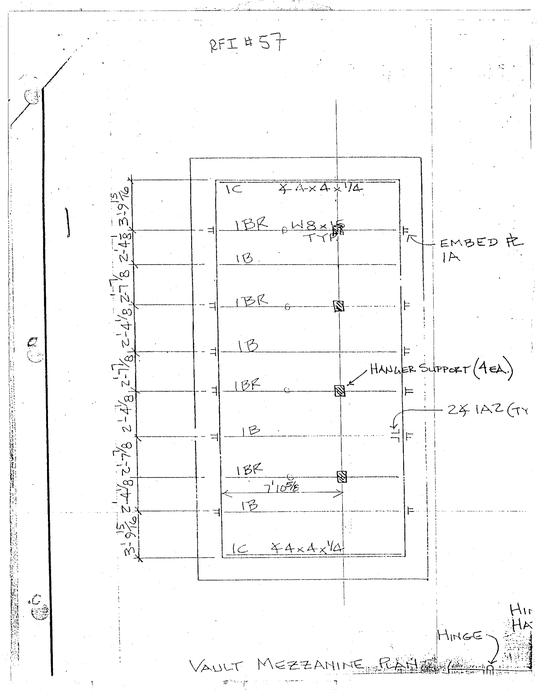
STANLEY D. LINDSEY 4789 KANSAS PROFESSIONAL ENGINEER

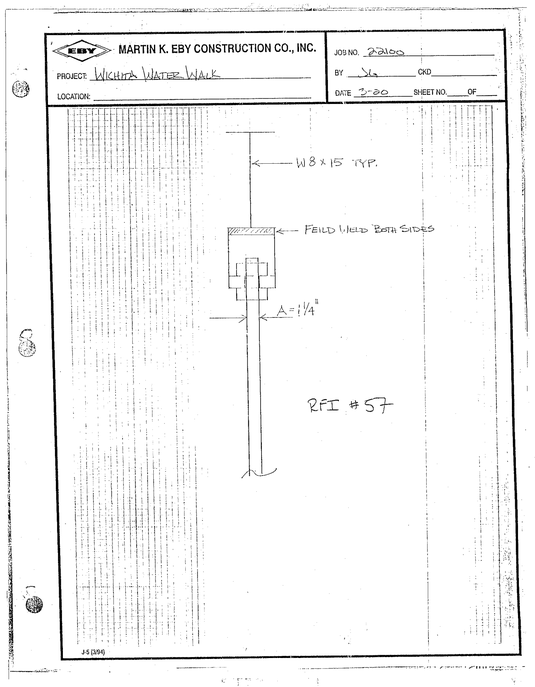
WICHITA WATER WALK
WICHITA, KANSAS
CITY OF WICHITA

DATE	30 SEPTEMBER 96
DRAWN	CSD
CHECKED	KDS
JOB NO.	96301
SHEET	S3
OF	6

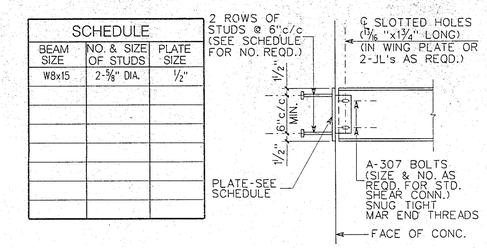
GENERAL WICHITA WATER WALK

RFI # 57


1C ∠4x4x1/4
1BR W8x15 TYP
1B
1BR
1B
1BR
1B
1BR
1B
1C ∠4x4x1/4
EMBED PL 1A
HANGER SUPPORT (4 EA.)
2 ∠ 1A2 (TY
HINGE
VAULT MEZZANINE PLAN

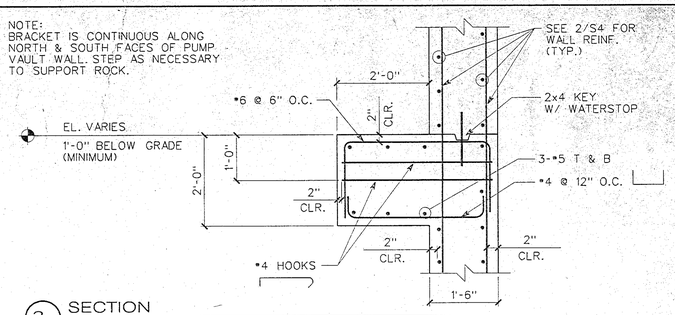

EBY MARTIN K. EBY CONSTRUCTION CO., INC.
JOB NO. 22100
PROJECT: WICHITA WATER WALK
BY CKD
LOCATION:
DATE 3-20 SHEET NO. OF
W8 x 15 TYP.
FEILD WELD BOTH SIDES
A = 1 1/4"
RFI # 57
JS (3/94)

SCHEDULE		
BEAM SIZE	NO. & SIZE OF STUDS	PLATE SIZE
W8x15	2-5/8" DIA.	1/2"

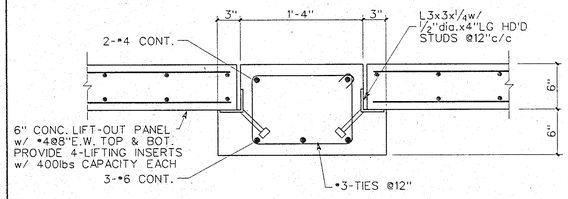


6 SECTION
3/4"=1'-0"

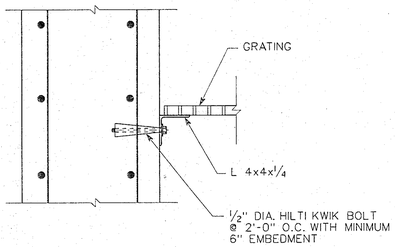
NOTE:
BRACKET IS CONTINUOUS ALONG NORTH & SOUTH FACES OF PUMP VAULT WALL STEP AS NECESSARY TO SUPPORT ROCK.



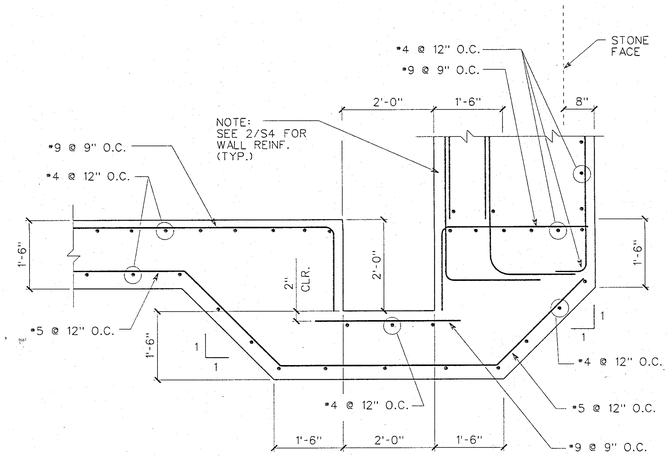
3 SECTION
3/4"=1'-0"



9 SECTION BETWEEN OPENINGS

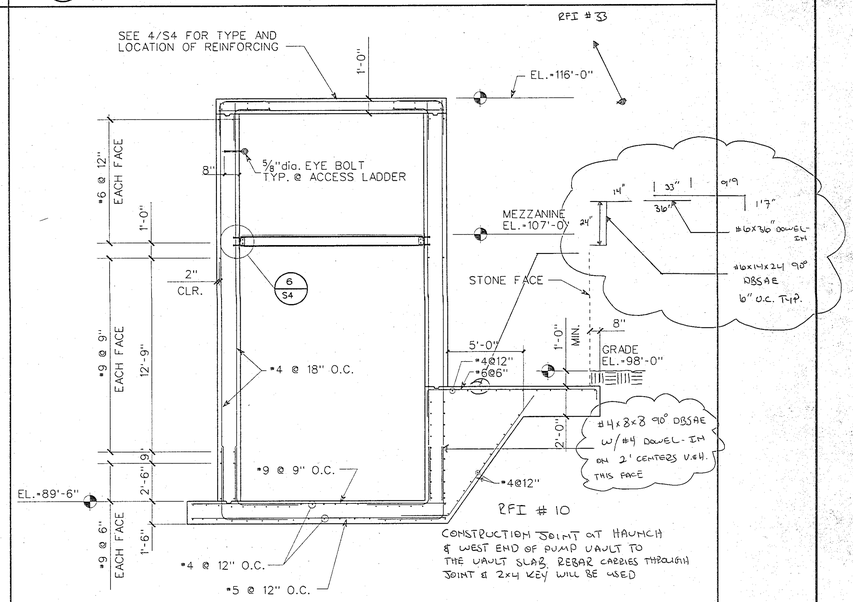


8 SECTION
1 1/2"=1'-0"



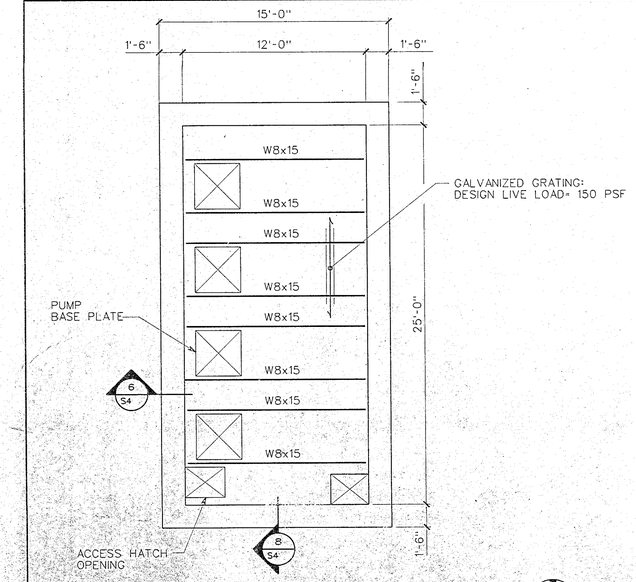
5 SECTION
3/4"=1'-0"

RFI # 33

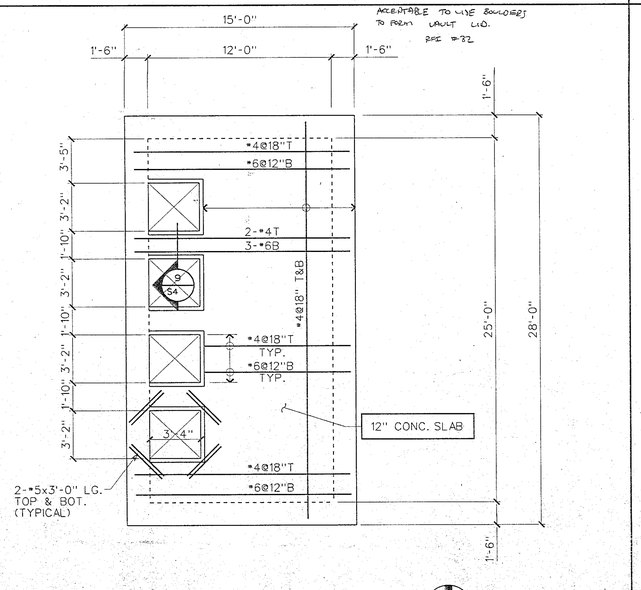


RFI # 10
CONSTRUCTION JOINT AT HAUNCH & WEST END OF PUMP VAULT TO THE VAULT SLAB. REBAR CARRIES THROUGH JOINT & 2x4 KEY WILL BE USED

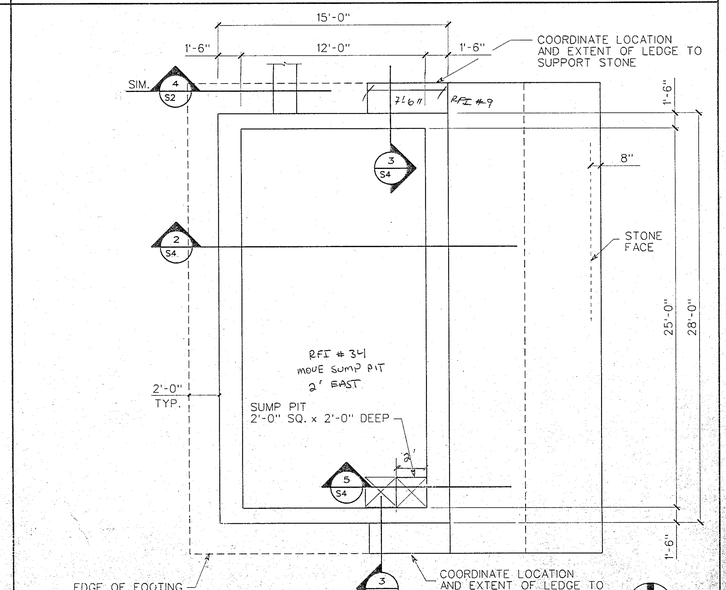
2 PUMP VAULT SECTION
1/4"=1'-0"



7 PUMP VAULT PLAN – MEZZANINE LEVEL
1/4"=1'-0"



4 PUMP VAULT PLAN – ROOF LEVEL
1/4"=1'-0"



1 PUMP VAULT PLAN – SUMP LEVEL
1/4"=1'-0"

REVISIONS	
NO.	REMARKS

PRINTED	
DATE	REMARKS
30 OCT 96	ISSUED FOR CONSTR.

SDL
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ATLANTA, GEORGIA
STRUCTURAL ENGINEERS
DESIGN • RESEARCH
COMPUTER APPLICATIONS
2300 Lake Ridge Pkwy, S.E.
Suite 100, Woodstock
Atlanta, Georgia 30189-8868
Telephone 770-592-1247
Fax 770-592-1962

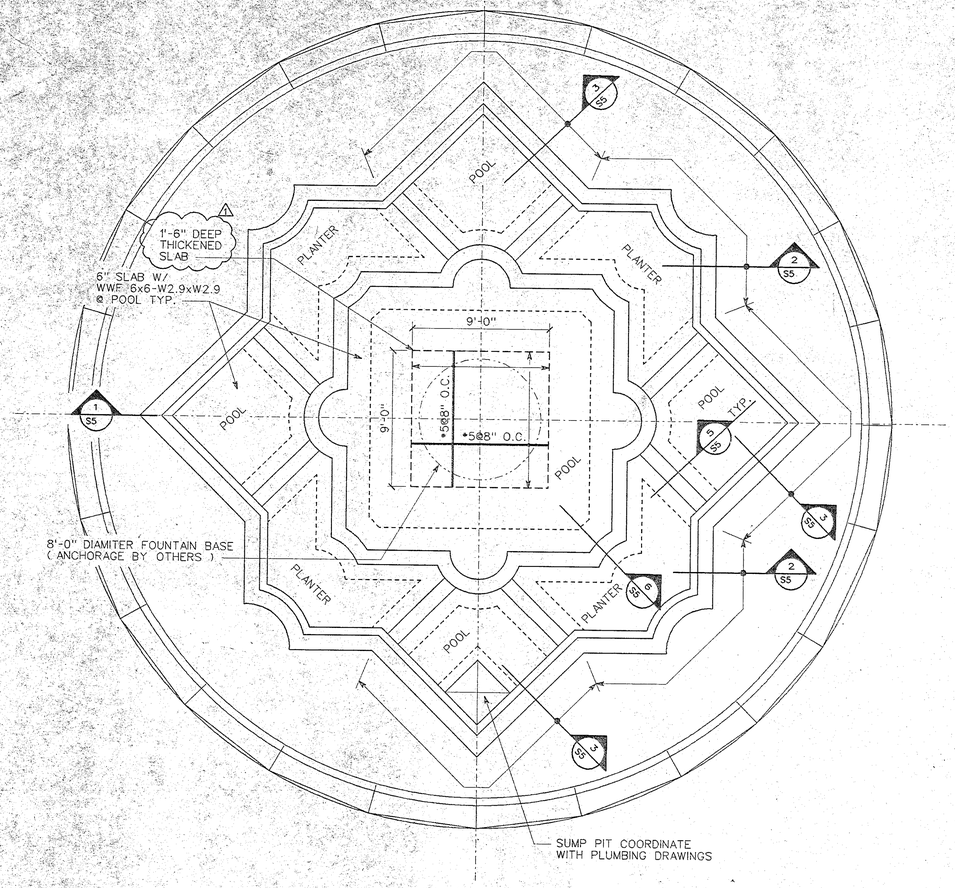
LICENSED STRUCTURAL ENGINEER
No. 7789
KANSAS
PROFESSIONAL ENGINEER

PUMP VAULT SRUCTURAL PLANS & DETAILS

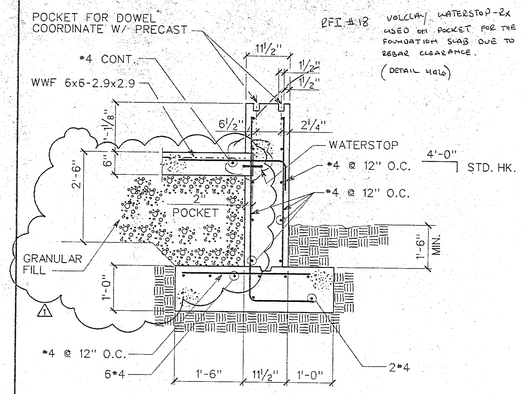
WICHITA WATER WALK
WICHITA, KANSAS
CITY OF WICHITA

DATE: 30 OCT 1996
DRAWN: SDL
CHECKED: SDL
JOB NO. 96041
SHEET: S4
OF

CERAMIC TILE MURAL WATER WALK SDL 96-101

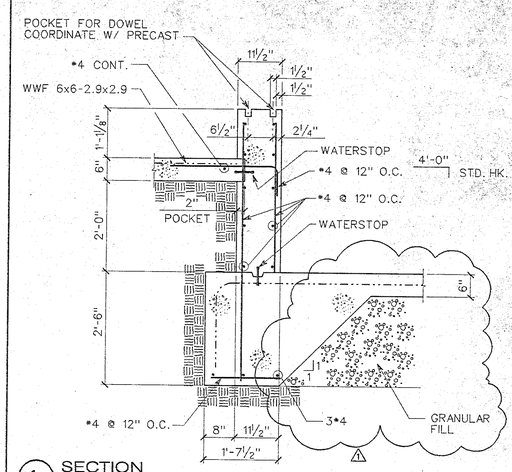


13 HOTEL WATER FOUNTAIN – FOUNDATION PLAN
1/4"=1'-0"

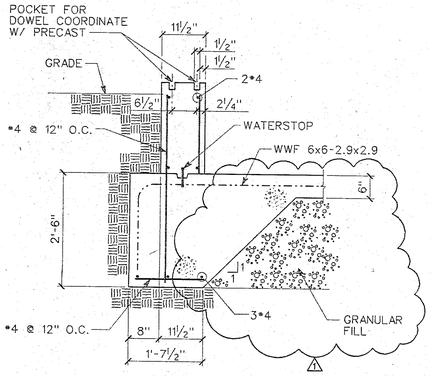


6 SECTION

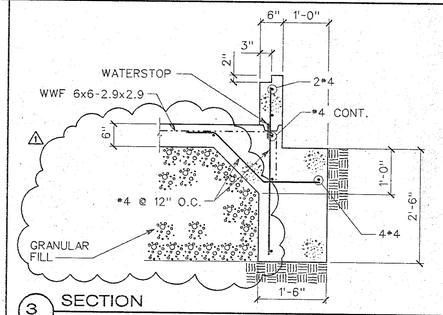
2FI #18 VOLCLAY WATERSTOP-2X USED ON POCKET FOR THE FOUNDATION SLAB DUE TO REBAR CLEARANCE. (DETAIL 4&6)



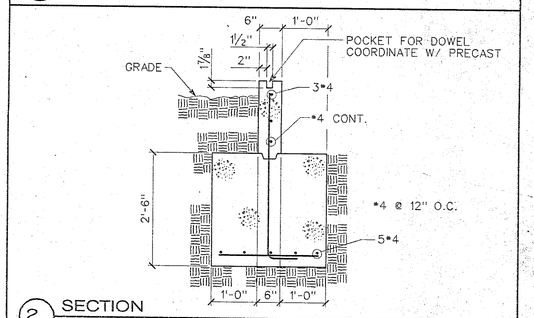
4 SECTION



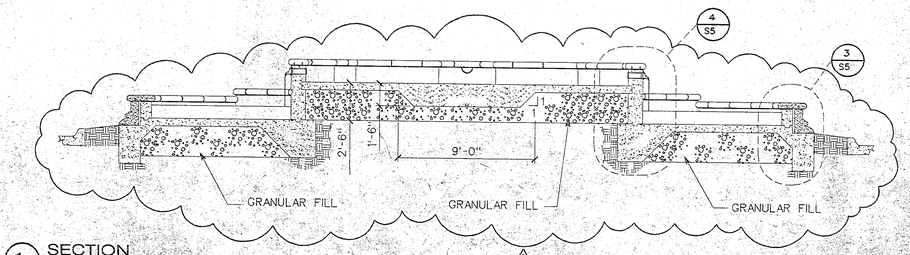
5 SECTION



3 SECTION



2 SECTION



1 SECTION

ADDENDUM #1 11/20/96

REVISIONS

NO.	REMARKS
1	ADDENDUM NO. 1

PRINTED

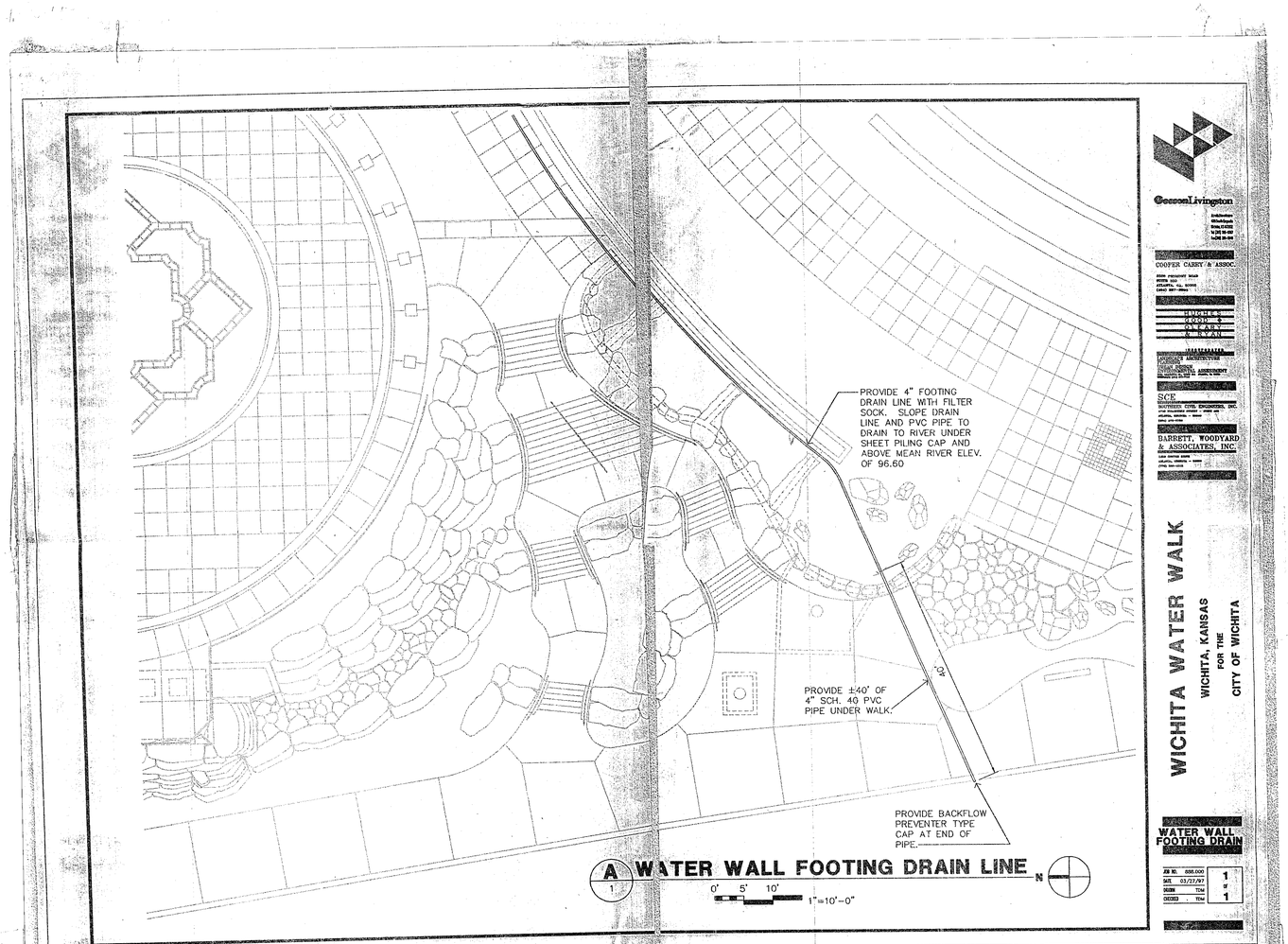
DATE	REMARKS
30 OCT 96	ISSUED FOR CONSTR.
19 NOV. 96	ADDENDUM NO. 1

SDL
STANLEY D. LINDSEY & ASSOCIATES, LTD.
ATLANTA, GEORGIA
STRUCTURAL ENGINEERS
DESIGN + RESEARCH
COMPUTER APPLICATIONS
2300 Lithonia Industrial Blvd.
Lithonia, Georgia 30058-3668
Telephone 770-482-1447
Telefax 770-482-1544

WICHITA WATER WALK
WICHITA, KANSAS
CITY OF WICHITA

DATE 30 SEPTEMBER 96
SHEET S5
DRAWN CSD
CHECKED JDS
JOB NO. 95301
SCALE 6

DRAWING: WICHITA WATER WALK
DRAWN BY: JDS



Gossen Livingston

COOPER CARRY & ASSOC.

LEVEL 5
LEVEL 4
LEVEL 3
LEVEL 2
LEVEL 1

ARCHITECT OF RECORD
COOPER CARRY & ASSOCIATES ARCHITECTURE

CONSULTING ENGINEER
SCE

LANDSCAPE ARCHITECT
BARRETT, WOODYARD & ASSOCIATES, INC.

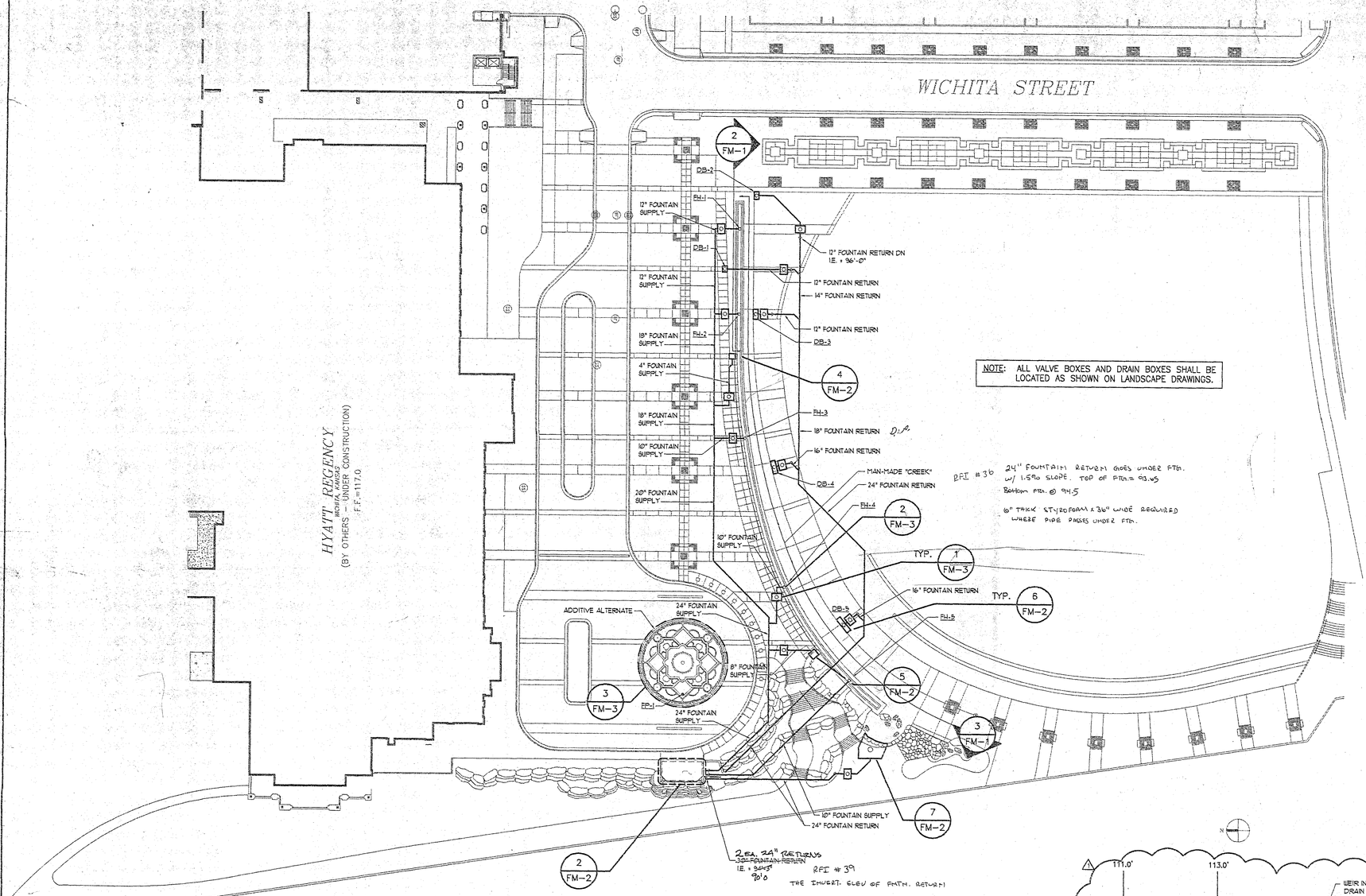
WICHITA WATER WALK

WICHITA, KANSAS
FOR THE
CITY OF WICHITA

WATER WALL FOOTING DRAIN

JOB NO. 606.000
DATE 03/27/97
DESIGN TCW
CHECKED TCW
SHEET 1 OF 1

C:\ACAD12\CWS\WWW-DWN Thu Mar 27 17:03:51 1997

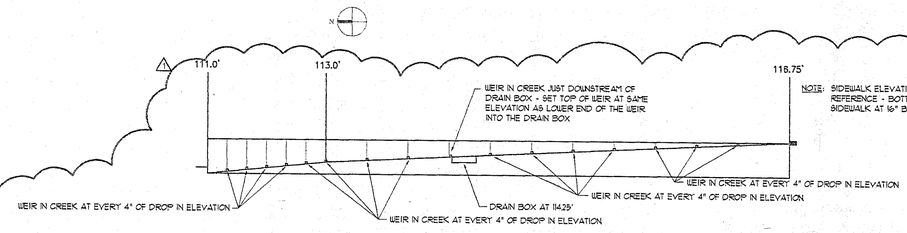


NOTE: ALL VALVE BOXES AND DRAIN BOXES SHALL BE LOCATED AS SHOWN ON LANDSCAPE DRAWINGS.

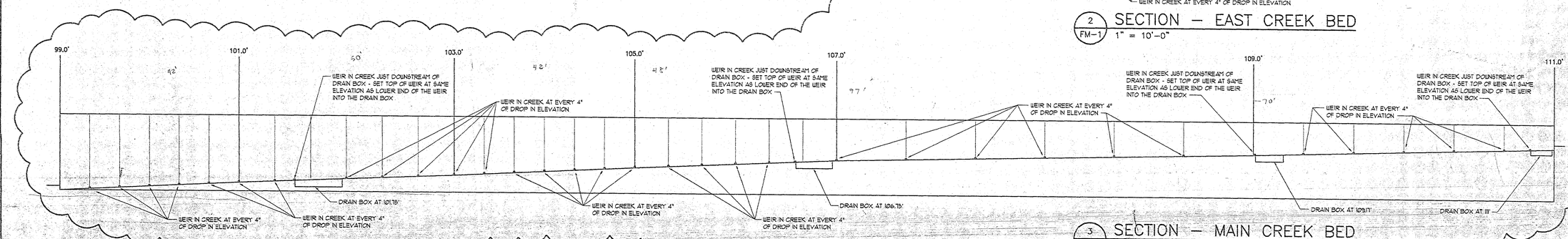
P.F.I #36 24" FOUNTAIN RETURN GOES UNDER FTN. w/ 1.5% SLOPE. TOP OF FTN.= 93.45 BOTTOM FTN. @ 94.5

6" THICK STYROFOAM x 36" WIDE REQUIRED WHERE PIPE PASSES UNDER FTN.

1 FM–1 SITE PLAN – MECHANICAL
1" = 30'-0"



2 FM–1 SECTION – EAST CREEK BED
1" = 10'-0"



3 FM–1 SECTION – MAIN CREEK BED
1" = 10'-0"

ADDENDUM #1
11/20/96

BARRETT, WOODYARD & ASSOCIATES, INC.
1320 Center Drive, Atlanta, GA 30338, 770-392-1818

PRINTED	
DATE	REMARKS
10/30/96	ISSUED FOR CONST.
11/19/96	ADDENDUM #1

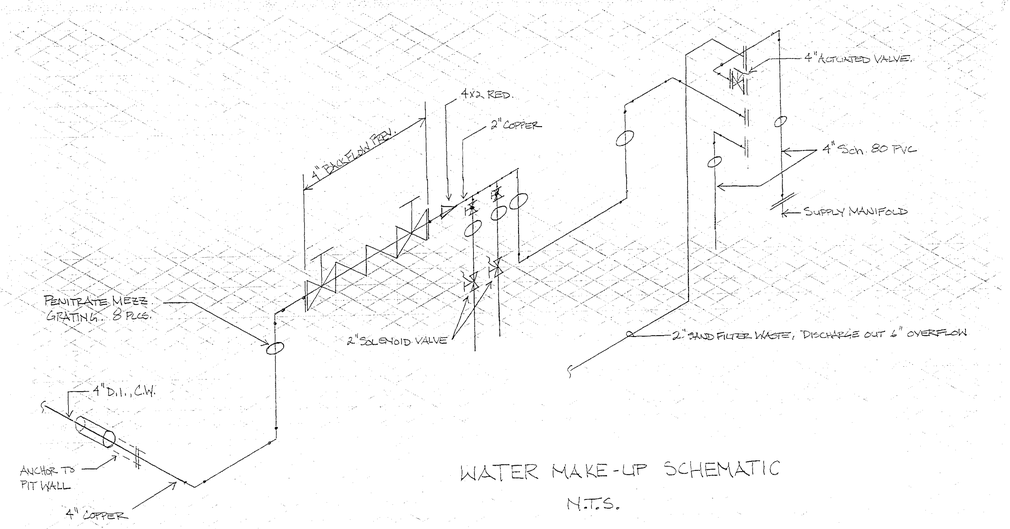
REVISIONS	
NO.	REMARKS
1	ADDENDUM #1

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SITE PLAN – MECHANICAL
WICHITA WATER WALK
WICHITA, KANSAS
CITY OF WICHITA

DATE: 30 OCT 96
DRAWN: CBP
CHECKED: MSB
JOB NO: 96202
SHEET: FM-1

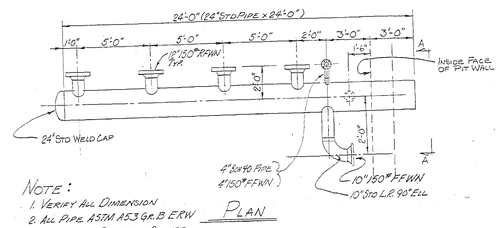
RELEASED FOR CONSTRUCTION



WATER MAKE-UP SCHEMATIC

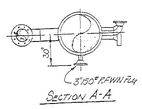
N.T.S.

DISTRIBUTE: ED BILL JASON ERIC MATT



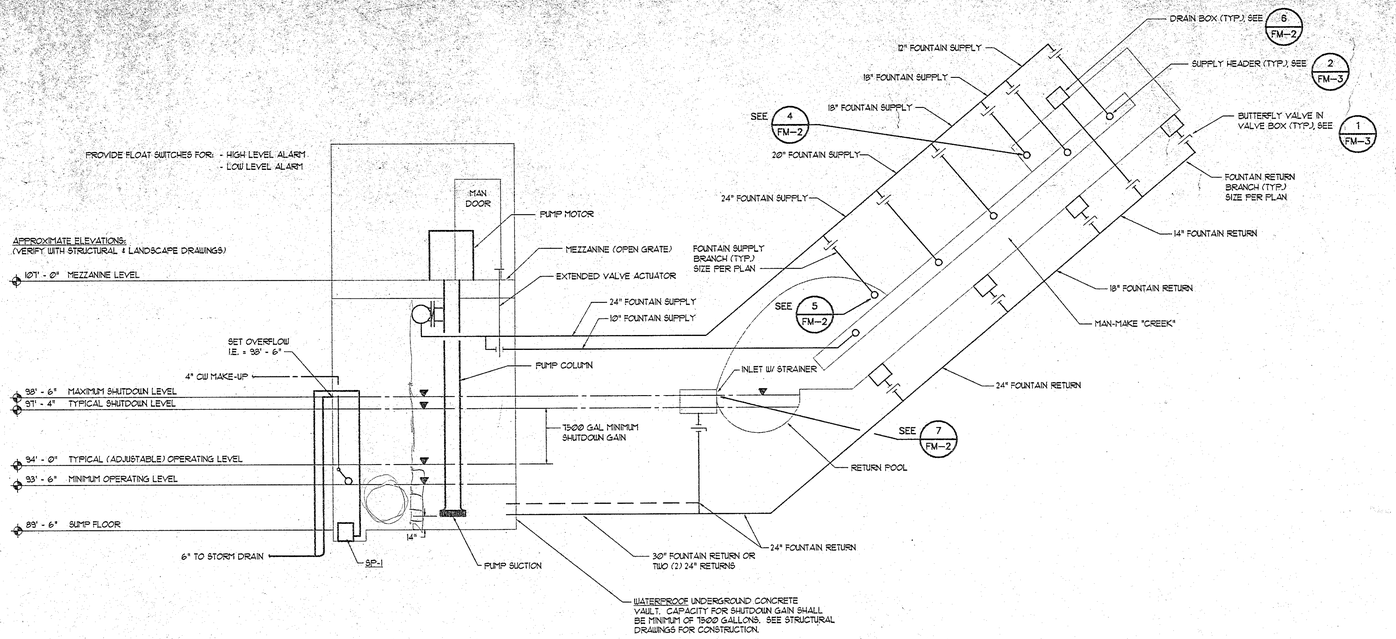
NOTE:
1. VERIFY ALL DIMENSION
2. ALL PIPE ASTM A53 GR.B ERW
3. ALL PIPE TO BE EPOXY COATED. SAND BLAST NEAR WHITE METAL & APPLY TWO COATS OF SHERWIN-WILLIAMS PHENICON.

PLAN

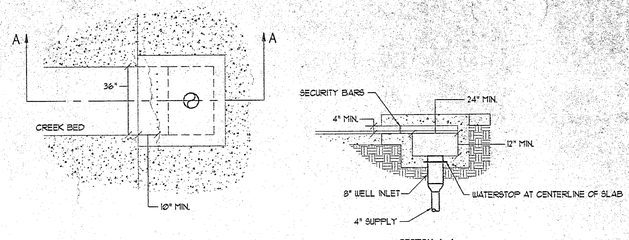


SECTION A-A

WICHITA WATER WALK
MK EBY CONSTR. CO. #22100
PUMP HEADER DETAIL
PSE Co. JOB No. 5805
MRT 12/30/96
SHT 1 OF 1
REV. 1 2-17-97

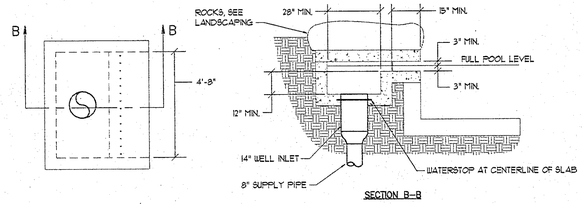


1 FM-2 SYSTEM SCHEMATIC DIAGRAM – FOUNTAIN MECHANICAL
NO SCALE



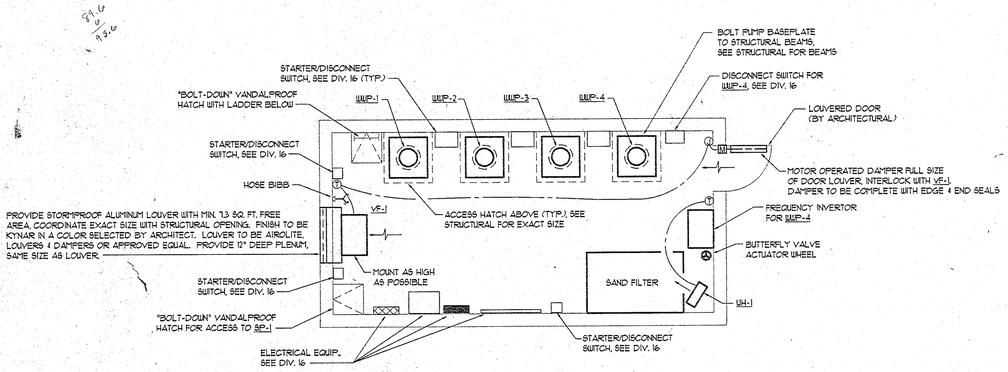
NOTE: SEE STRUCTURAL DETAILS FOR WELL CONSTRUCTION

4 FM-2 EAST SUPPLY WELL DETAIL
NO SCALE



NOTE: SEE STRUCTURAL DETAILS FOR WELL CONSTRUCTION

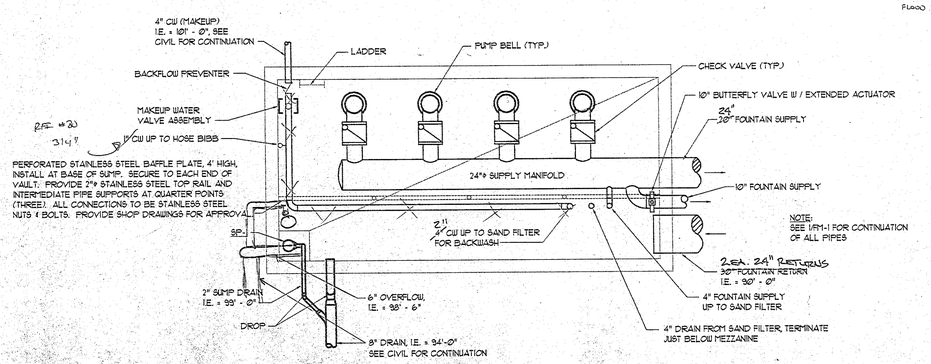
5 FM-2 PROMENADE SUPPLY WELL DETAIL
NO SCALE



2 FM-2 PUMP VAULT PLAN, MEZZANINE LEVEL – MECHANICAL
1/4" = 1' – 0"

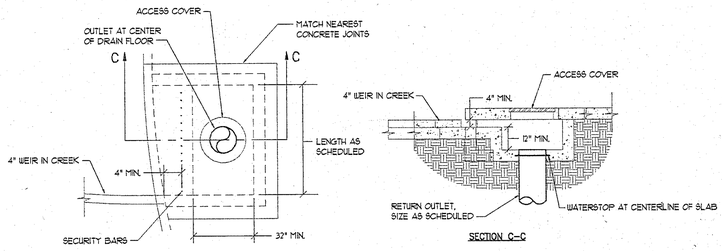
RFI #96 B.F.P. DOWNSTREAM OF WATER PIPING ENTRANCE OF 101.00.

MEZZANINE IS NOT CONSIDERED "GRADE". COLD WATER ENTRANCE & B.F.P. IS ABOVE FLOOD LEVEL OF VAULT



3 FM-2 PUMP VAULT PLAN, SUMP LEVEL – MECHANICAL
1/4" = 1' – 0"

NOTE:
BEFORE MAKING FINAL PIPING CONNECTIONS TO VAULT, FILL VAULT (SURCHARGE) TO MAXIMUM OPERATING LEVEL AND HOLD AT THAT LEVEL FOR A MINIMUM OF TWO WEEKS. LOG VAULT SETTLING UNTIL SETTLING HAS STOPPED.



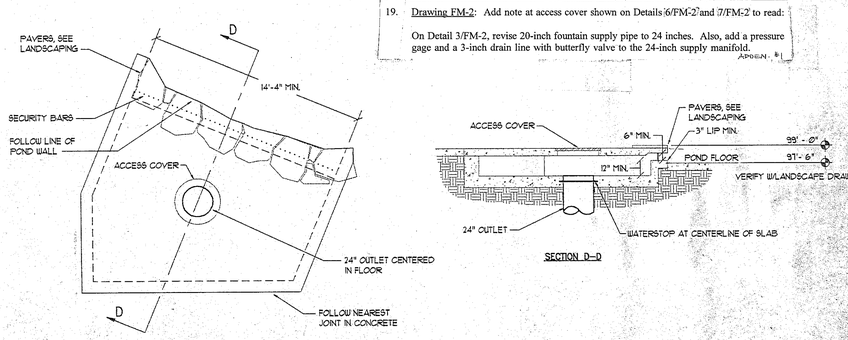
DRAIN BOX SCHEDULE		
I.D. TAG	LENGTH	OUTLET SIZE
DB-1	4'-0"	12"
DB-2	5'-0"	12"
DB-3	6'-6"	14"
DB-4	8'-6"	16"
DB-5	11'-0"	16"

NOTE: SEE STRUCTURAL DETAILS FOR BOX CONSTRUCTION

6 FM-2 RETURN DRAIN BOX DETAIL
NO SCALE

19. Drawing FM-2: Add note at access cover shown on Details 6/FM-2 and 7/FM-2 to read:

On Detail 3/FM-2, revise 20-inch fountain supply pipe to 24 inches. Also, add a pressure gage and a 3-inch drain line with butterfly valve to the 24-inch supply manifold.
ADDEN. 1



NOTE: SEE STRUCTURAL DETAILS FOR BOX CONSTRUCTION

7 FM-2 POND DRAIN BOX DETAIL
NO SCALE

PRINTED

DATE	REMARKS
10/30/96	CONSTRUCTION

REVISIONS

NO.	REMARKS

BARRETT, WOODYARD & ASSOCIATES, INC.
1320 Center Drive, Atlanta, GA 30338, 770-392-1818

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S – MECHANICAL
WALK
A

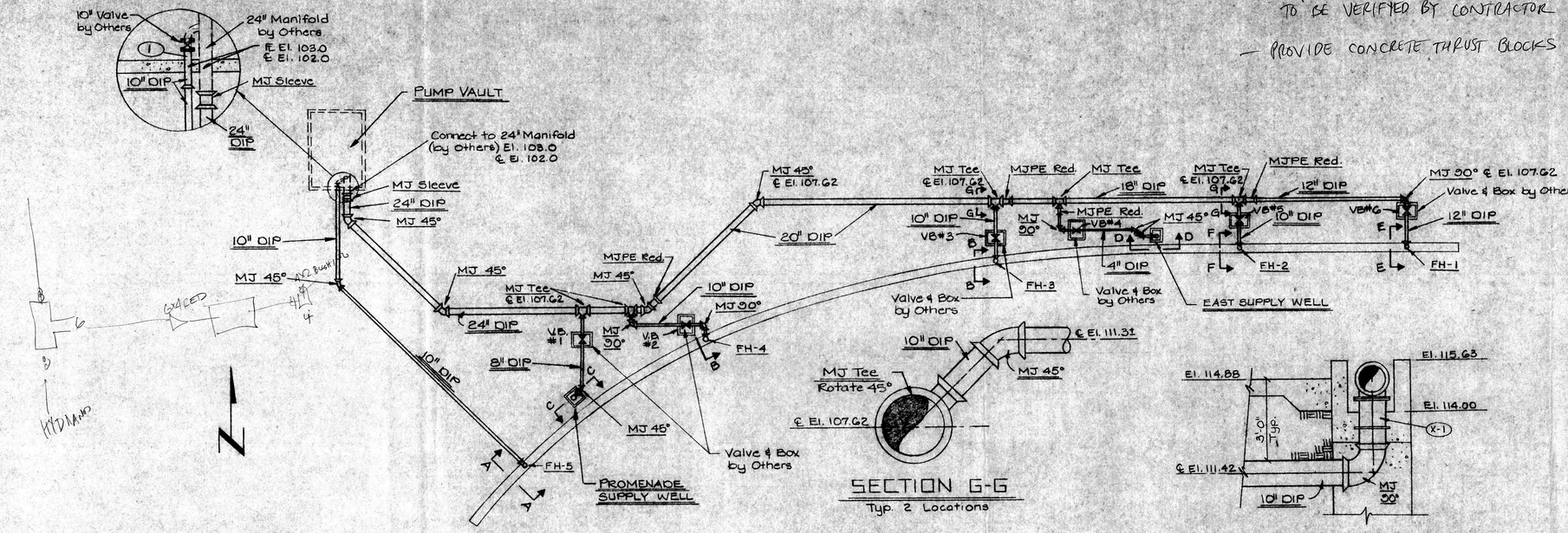
SCHEMATIC P
WICHI
WICHITA, KS CITY

DATE: 30 OCT 96
DRAWN: CBP
CHECKED: MSB
JOB NO: 96202

SHEET:
FM-2

FM1

- ALL QUANTITIES, DIMENSIONS, INV. EL., ETC. TO BE VERIFIED BY CONTRACTOR
- PROVIDE CONCRETE THRUST BLOCKS



MATERIAL

	All Material to be cement lined, coated
54' (3)	4" PJ DIP, Cl. 350
36' (2)	8" PJ DIP, Cl. 350
198' (11)	10" PJ DIP, Cl. 350
72' (4)	12" PJ DIP, Cl. 350
90' (5)	18" PJ DIP, Cl. 250
126' (7)	20" PJ DIP, Cl. 250
126' (7)	24" PJ DIP, Cl. 250
1-10" x 4'-0"	FMJ DIP (1)
5-10" x 6'-0" O.A.	FPPE Wall Pipe w/c 12" FFF (X-1)
1-14" x 1'-6" O.A.	PEFPE Wall Pipe w/c 4" from one PE (X-2)
1-8" x 1'-6" O.A.	PEFPE Wall Pipe w/c 4" from one PE (X-3)
VALVE BOX PIPING	
2-4" x 4'-0"	FPE DIP
2-8" x 4'-0"	FPE DIP
6-10" x 4'-0"	FPE DIP
2-12" x 4'-0"	FPE DIP
2-4"	MJ 90°
2-4"	MJ 45°
1-8"	MJ 90°
2-8"	MJ 45°
6-10"	MJ 90°
2-10"	MJ 45°
2-12"	MJ 90°
4-24"	MJ 45°
1-18" x 6"	MJ Tee
1-18" x 10"	MJ Tee
1-20" x 10"	MJ Tee
1-24" x 8"	MJ Tee
1-24" x 10"	MJ Tee
1-8" x 4"	MJ Red.
1-14" x 8"	MJ Red.
1-6" x 4"	MJPE Red. SEB
1-12" x 10"	MJPE Red. SEB
1-18" x 12"	MJPE Red. SEB
1-20" x 18"	MJPE Red. SEB
1-24" x 20"	MJPE Red. SEB
1-24"	MJ Sleeve

SUBMITTAL REVIEW

THIS REVIEW IS FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT OF THE CONTRACT DOCUMENTS. ALL COORDINATION OF THE WORK AND STRICT COMPLIANCE WITH THE CONTRACT DOCUMENTS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE SUITABILITY OF ANY SUBSTITUTE MATERIALS DEPICTED IN THIS SUBMITTAL.

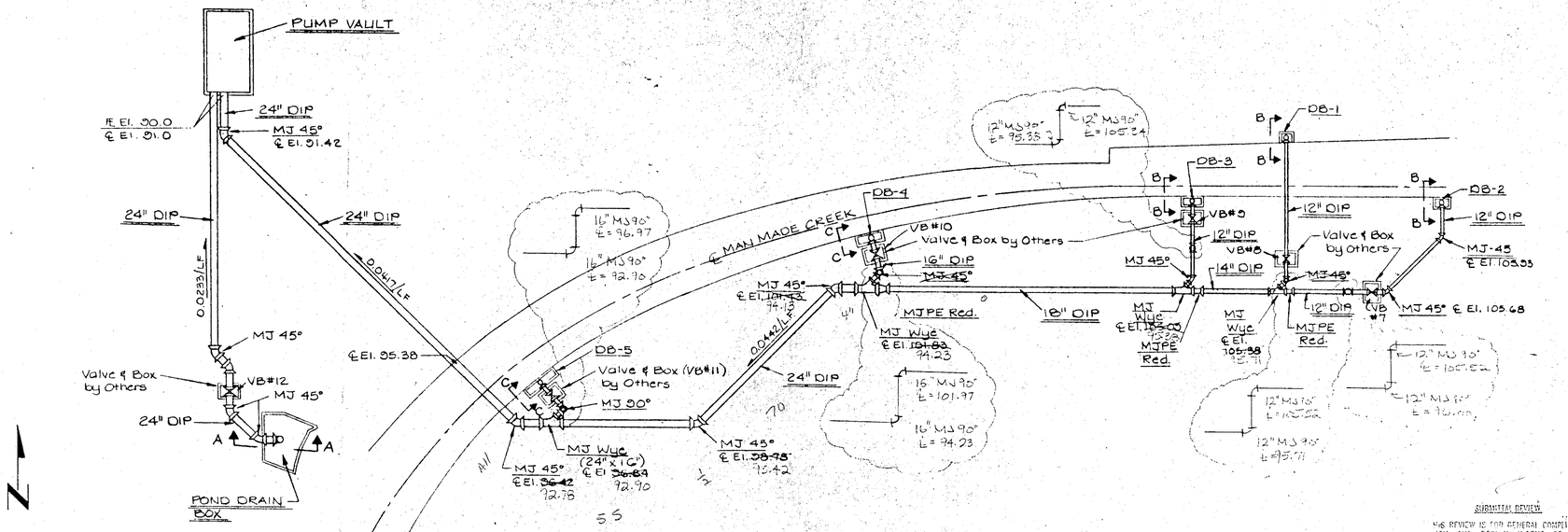
- [ ] REVIEWED
- [x] REVIEWED AS NOTED
- [x] REVISE AND RESUBMIT ← SHEET 2
- [ ] REJECTED

BARRETT, WOODYARD & ASSOCIATES, INC.
Consulting Engineers
BY MGS DATE 4/2/97

OWNER	City of Wichita, Kansas
PROJECT	Wichita Water Walk
ADDRESS	Hyatt Regency Hotel @ Lewis and Douglas

FOUNTAIN SUPPLY PIPING

ENGR.	Barrett, Woodyard & Assoc., Inc., Atlanta, GA			
CONTR.	EBY Construction, Wichita, Kansas			
DATE	1-29-97	REV.	2-18-97	C SQUARED, INC. 1



VALVE BOX PIPING

MATERIAL

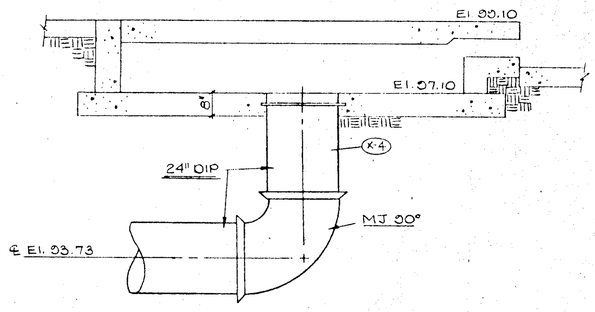
All Material to be cement lined, coated.	
144' (8)	12" PJ DIP, Cl. 350
36' (2)	14" PJ DIP, Cl. 350
36' (2)	16" PJ DIP, Cl. 350
108' (6)	18" PJ DIP, Cl 250
378' (21)	24" PJ DIP, Cl 250
1 - 24" x 3'-0" O.A.	PEPPE Wall Pipe w/c 4" from one PE (X-4)
3 - 12" x 3'-0" O.A.	PEPPE Wall Pipe w/c 4" from one PE (X-5)
2 - 16" x 3'-0" O.A.	PEPPE Wall Pipe w/c 4" from one PE (X-6)
6 - 12" x 4'-0"	FPE DIP
4 - 16" x 4'-0"	FPE DIP
2 - 24" x 4'-0"	FPE DIP
3 - 12"	MJ 90°
4 - 12"	MJ 45°
3 - 16"	MJ 90°
1 - 16"	MJ 45°
1 - 24"	MJ 90°
8 - 24"	MJ 45°
1 - 14" x 12"	MJ Wye
1 - 18" x 14"	MJ Wye
2 - 24" x 16"	MJ Wye
1 - 14" x 12"	MJPE Red., SEB
1 - 18" x 14"	MJPE Red., SEB
1 - 24" x 18"	MJPE Red., SEB

SUBMITTAL REVIEW

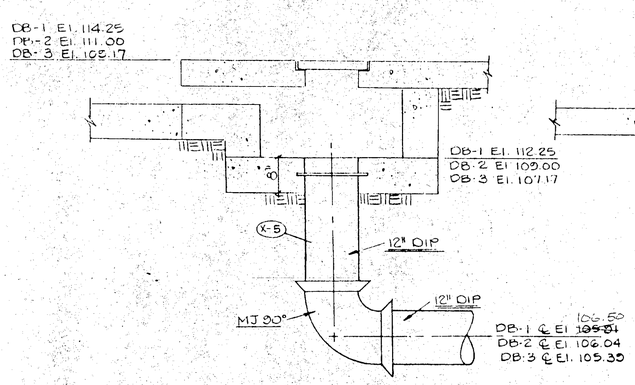
THIS REVIEW IS FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT OF THE CONTRACT DOCUMENTS. ALL COORDINATION OF THE ITEMS FOR STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE SUITABILITY OF ANY CONSTRUCTION MATERIALS DEPICTED IN THIS SUBMITTAL.

- APPROVED
- APPROVED AS NOTED
- REVISE AND RESUBMIT
- REJECTED

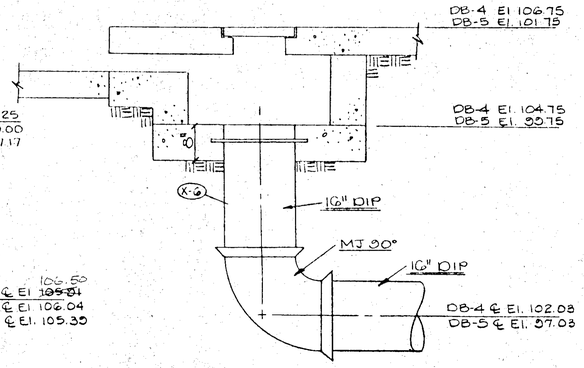
BARRETT, WOODYARD & ASSOCIATES INC.
Consulting Engineers
BY: [signature] DATE: 4-23-97



SECTION A-A
POND DRAIN BOX



SECTION B-B
Similar 3 Locations
DB-1, DB-2 & DB-3



SECTION C-C
Typical 2 Locations
DB-4 & DB-5

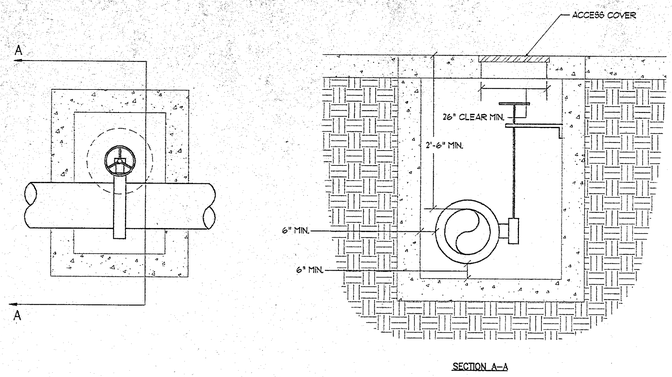
CONTRACTOR'S REVIEW
THIS SUBMITTAL HAS BEEN REVIEWED FOR GENERAL COMPLIANCE WITH THE PLANS AND SPECIFICATIONS.
By [signature] Date 4-7-97
MARTIN K. EBY CONSTRUCTION CO., INC.
WICHITA, KANSAS

OWNER	City of Wichita, Kansas
PROJECT	Wichita Water Walk
ADDRESS	Hyatt Regency Hotel at Lewis and Douglas

FOUNTAIN RETURN PIPING

ENGR.	Barrett, Woodyard & Assoc., Inc., Atlanta, GA.				
CONTR.	EBY Construction, Wichita, Kansas				
DATE	1-29-97	REV.	2-18-97	C SQUARED, INC.	2

RFI #40 FP-1 SERVES FOUNTAIN AT HOTEL



SECTION A–A

1 / FM–3 VALVE BOX DETAIL
NO SCALE

PUMP SCHEDULE

I.D. TAG	FLUID	TYPE OF PUMP	FLOW (GPM)	HEAD (FT.)	MAX. NPSHR (FT.)	MAXIMUM RPM	MOTOR H.P.	VOLTS/ PHASE	MINIMUM EFFICIENCY	BASIS OF DESIGN	REMARKS
WWP–1	WATER	MIXED FLOW	3750	34	2	1760	40	480/3	85	CASCADE 12 MFC	
WWP–2	WATER	MIXED FLOW	3750	34	2	1760	40	480/3	85	CASCADE 12 MFC	
WWP–3	WATER	MIXED FLOW	3750	34	2	1760	40	480/3	85	CASCADE 12 MFC	
WWP–4	WATER	MIXED FLOW	3750	34	2	1760	40	480/3	85	CASCADE 12 MFC	①
SP–1	WATER	NON–CLOG TYPE	120	20	–	1750	1.0	480/3	–	MYERS WHR–DS	②
FP–1	WATER	SUBMERSIBLE	–	–	–	1750	2.0	480/3	–	–	SEE SECTION 15220

① PROVIDE FREQUENCY INVERTOR FOR WWP–4.
② PROVIDE MANUAL SWITCH AT MEZZANINE LEVEL, GUIDE RAIL SYSTEM, TUNGSTEN CARBIDE LOWER SEAL. PUMP SHALL BE NON–CLOG TYPE.

FAN SCHEDULE

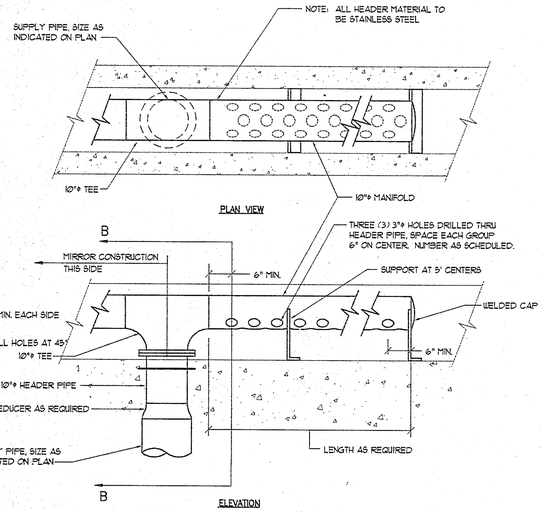
I.D. TAG	CAPACITY (CFM)	S.P. (IN. WG)	MOTOR H.P.	DRIVE	VOLTS/ PHASE	MAXIMUM FAN RPM	MAXIMUM NOISE	TYPE OF FAN	BASIS OF DESIGN	REMARKS
VF–1	5220	.30	3/4	BELT	480/3	1199	25 SONE	SIDEWALL PROP	GREENHECK SBE–2H24–7	①

① PROVIDE FAN WITH BACKDRAFT DAMPER AND MOTOR GUARD. FAN SHALL BE CONTROLLED BY LINE–VOLTAGE THERMOSTAT LOCATED IN PUMP VAULT.

ELECTRIC HEATER SCHEDULE

I.D. TAG	DESCRIPTION	CAPACITY KW	MIN CFM	FAN HP	VOLTS/ PHASE	BASIS OF DESIGN	REMARKS
UH–1	UNIT HEATER	10	650	1/30	480/3	QMARK MUH	①

① BASIS OF DESIGN; QMARK MUH. PROVIDE HEATER WITH REMOTE MOUNTED THERMOSTAT.

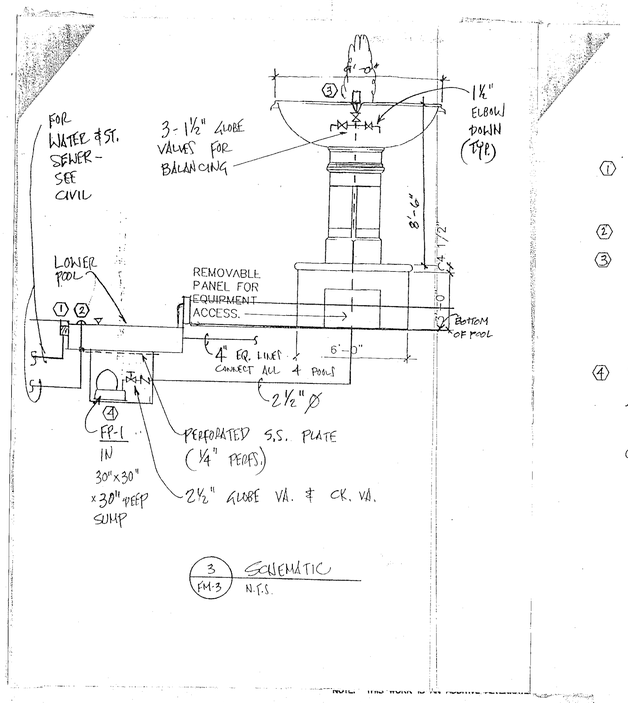


HEADER PIPE SCHEDULE

I.D. TAG	TOTAL # HOLES	INLET SIZE
FH–1	66 ①	12"
FH–2	66 ①	10"
FH–3	54 ①	10"
FH–4	54 ①	10"
FH–5	66 ①	10"

① ONE–HALF EACH SIDE.

2 / FM–3 FOUNTAIN SUPPLY HEADER DETAIL
NO SCALE



KEY NOTES
APPLY TO 3/FM-3

① GEFCO NICHE-MOUNTED PE-113-1 OR THRU-SLAB PE-113-1-SP MECHANICAL FLOAT MAKE-UP

② GEFCO PE 106 OVERFLOW STANDPIPE/DRAIN

③ GEFCO SE 102-15 1½" CASCADE JET WITH ADJ. FLANGE & SURGE COLLAR & WATERSTOP AT BOWL PENETRATION OF 2½" PIPE
NOTE: GEFCO PH. NO. – 770-934-3297

④ FP-1 TO BE 60 GPM @ 40' OF HEAD; 2 HP, 460 V.-3Ø – CONTROL THRU 24-HR TIMECLOCK WITH FREEZESTAT & AUTO. RESET. SET CONTROLLER IN PUMP VAULT

3 / FM-3 SCHEMATIC
N.T.S.

3 / FM-3 HOTEL FOUNTAIN FLOW SCHEMATIC
NO SCALE

DRAWING SHEET FM-3, DETAIL 2/FM-3: Add the following note to this detail: "Stainless steel pipe for supply headers to be Schedule 10S, Type 304, ASTM B36.19. All joints to be welded. Support brackets to be Type 304 stainless steel; fabricated from ⅛-inch bent plate."
ADDEN. #2

Add note to 3/FM-3 to specify jet in top bowl as "JET-GEFCO SERIES SE 102 SERIES CASCADE JET." Add note to same detail at FP-1 to read "PROVIDE PERFORATED STAINLESS-STEEL COVER OVER POOL SUMP."
ADDEN. #1

Drawing FM-3: Add note at access cover shown on Detail 1/FM-3 to read "ACCESS COVER - EQUAL TO COVER AND FRAME SHOWN ON DRAWING C-14 FOR CITY OF WICHITA, STANDARD TYPE 1 CURB INLET"
ADDEN. #1

PRINTED

DATE	REMARKS
10/30/96	CONSTRUCTION

REVISIONS

NO.	REMARKS

1320 Center Drive, Atlanta, GA 30338, 770-392-1818

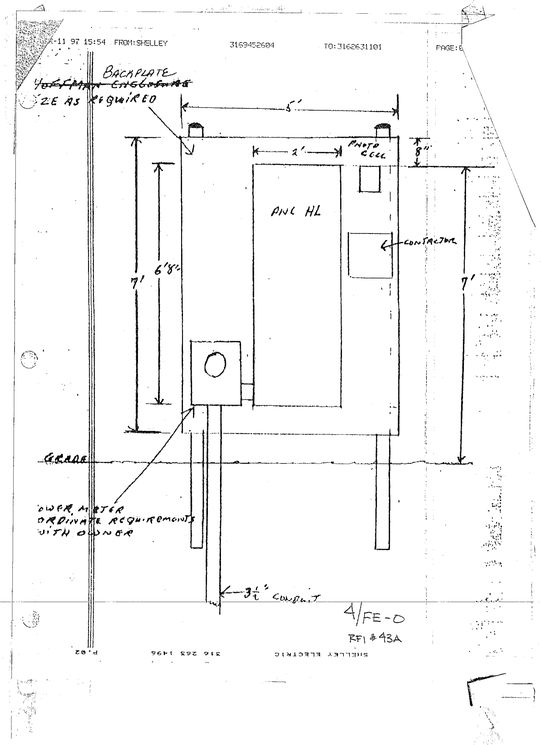
BARRETT, WOODYARD & ASSOCIATES, INC.

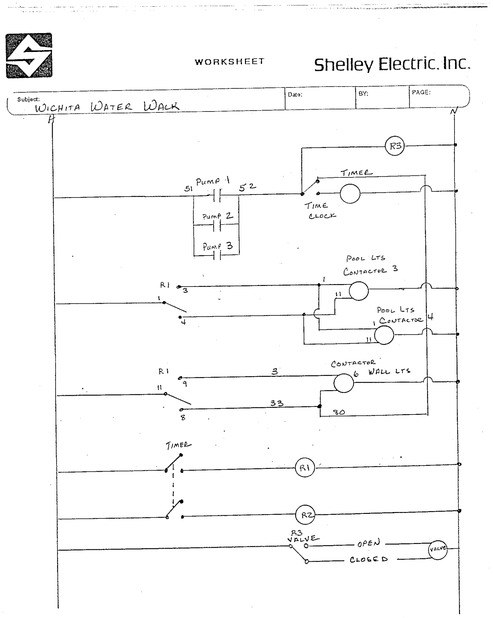
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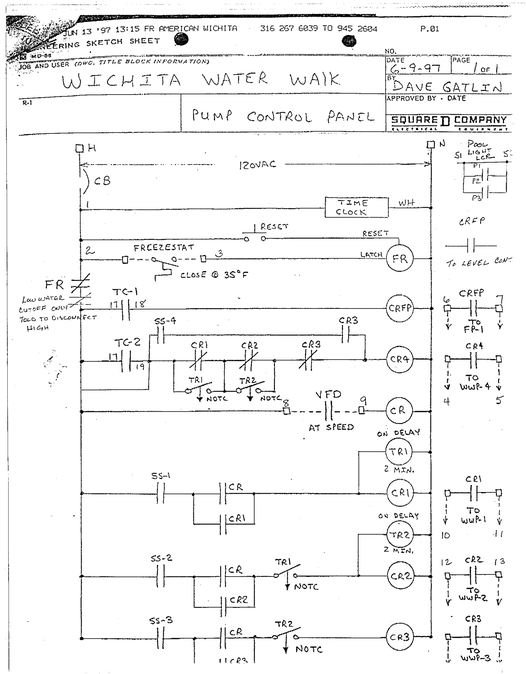
DETAILS & SCHEDULES – MECHANICAL

WICHITA WATER WALK
WICHITA, KANSAS
CITY OF WICHITA

DATE: 30 OCT 96
DRAWN: CBP
CHECKED: MSB
JOB NO: 96202
SHEET: FM-3

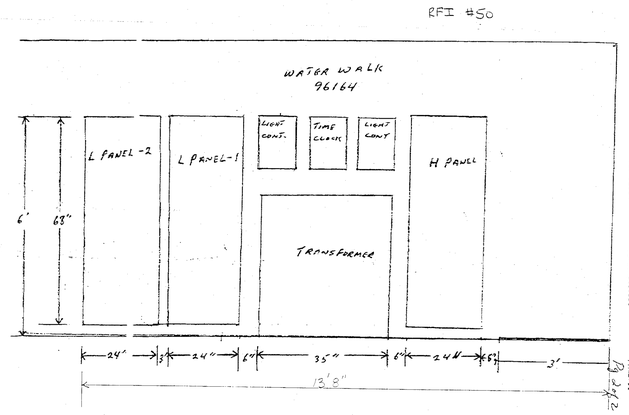






RFI #50

LAYOUT FOR ELECTRICAL COMPONENTS IS ACCEPTABLE



FEB-18 97 08:55 FROM:SHELLEY 3169452684 TO:3162631101 PAGE:11

GENERAL NOTES:

(APPLY THIS SHEET ONLY)

1. ALL ELECTRICAL EQUIPMENT AND ENCLOSURERS SHALL BE WEATHER PROOF (NEMA 3R).
2. PROVIDE LIGHTING CONTACTOR CONNECTION BETWEEN WATER CIRCULATING PUMPS AND FOUNTAIN LIGHTS C1, C2, C3. THE FOUNTAIN LIGHTS CONTROL SHALL HAVE A DELAY CIRCUIT BUILT-IN SUCH THAT ONCE THE FOUNTAIN PUMPS START, THE FOUNTAIN LIGHTS WILL COME ON 15 MINUTES LATER. PROVIDE A LOW WATER SENSOR ON THE EAST EDGE OF THE CREEK TO CUT THE FOUNTAIN LIGHTS OFF.
3. PROVIDE LIGHTING CONTACTOR CONNECTION FOR FOUNTAIN FLOOD LIGHTS (TYPE "S"). LIGHTS ARE TO BE OPERABLE ONLY WHEN FOUNTAIN LIGHTS ARE OFF. FOUNTAIN FLOOD LIGHTS ARE TO BE TURNED ON USING TIMECLOCK PHOTOCELL.
4. PROVIDE CONNECTION BETWEEN LIGHT FIXTURES, LIGHTING CONTACTORS, AND TORK K-400 TIMECLOCK.

LIGHTING FIXTURE SCHEDULE

NOTE: ALL FIXTURES REQUIRING BALLASTS SHALL RECEIVE 'ZERO DEGREE BALLASTS'.

A SINGLE FIXTURE STREET LIGHT. 277v.

LAMPS: (1) 175 WATT METAL HALIDE
MANUFACTURER: US ARCHITECTURAL LIGHTING, OVILUME LUMINAIRE (ARM MOUNT)
POLE: 16' HEXAGONAL CONCRETE POLE BY, AMERON

AA DOUBLE FIXTURE STREET LIGHT. 277v.

LAMPS: (2) 175 WATT METAL HALIDE
MANUFACTURER: US ARCHITECTURAL LIGHTING, OVILUME LUMINAIRE (ARM MOUNT)
POLE: 16' HEXAGONAL CONCRETE POLE BY AMERON

AB SINGLE FIXTURE STREET LIGHT WITH STONE BASE. 277v.

LAMPS: (1) 175 WATT METAL HALIDE
MANUFACTURER: US ARCHITECTURAL LIGHTING, OVILUME LUMINAIRE (ARM MOUNT)
POLE: 13' HEXAGONAL CONCRETE POLE BY AMERON. CONFIRM HEIGHT WITH ARCHITECT.

BB DOUBLE FIXTURE STREET LIGHT WITH STONE BASE AND BANNER ARMS. 277v.

LAMPS: (2) 175 WATT METAL HALIDE
MANUFACTURER: US ARCHITECTURAL LIGHTING, OVILUME LUMINAIRE (ARM MOUNT)
POLE: 13' HEXAGONAL CONCRETE POLE BY AMERON. CONFIRM HEIGHT WITH ARCHITECT.

C1 FOUNTAIN FLOOD LIGHT. POLISHED ALUMINUM SPECULAR ALZAK REFLECTOR. 360 DEGREE ANGULAR ADJUSTABILITY, 45 DEGREES FROM VERTICAL. 120V.

LAMPS: 200 WATT DOUBLE ENDED QUARTZ HALOGEN
MAXIMUM OVERALL LENGTH 3 1/8".

MANUFACTURER: HYDREL SERIES 4414-3-FL

C2 SAME AS C1, INCLUDE 300 WATT LAMP

C3 SAME AS C1, INCLUDE 400 WATT LAMP

D TREE FLOOD LIGHT. WATERPROOF, WITH SWIVEL MOUNT. 120V.

LAMPS: MR18 50 WATT 60 DEGREE FLOOD
MANUFACTURER: B-K LIGHTING SERIES NITE STAR

INCLUDE TREE STRAP MOUNTING DEVICE. 2" NYLON STRAP. COORDINATE STRAP LENGTH WITH TREES LISTED ON LANDSCAPE DRAWINGS.

MANUFACTURER: B-K LIGHTING TREE STRAP

F STAIRWAY LIGHT, CONCRETE WALL MOUNTED. BALLAST SHALL BE HIGH POWER FACTOR FOR -20°F. 120V.

LAMPS: 70 WATT METAL HALIDE
MANUFACTURER: KIM LIGHTING SERIES LLF. LLF-20

F1 SAME AS F, EXCEPT LLF-30.

G 1'X4' FLUORESCENT STRIP FIXTURE. DUST/MOISTURE WET LOCATION RATED. ZERO DEGREE BALLAST. 120V.

LAMPS: (2) 40 WATT, T-8
MANUFACTURER: LITHONIA SERIES DMW 240

M LANDSCAPE BULLET FLOOD LIGHTS. ALUMINUM HOUSING WITH FULLY ADJUSTABLE SWIVEL ARM AND VIBRATION-PROOF LOCKING TEETH. UL WET LOCATION LISTED. 120V

LAMPS: (1) 100 WATT, METAL HALIDE, E17
MANUFACTURER: HADCO SERIES BW OR BN

N PAGODA SHAPED PATH LIGHT, UL WET LOCATION LISTED. 120V.

LAMPS: (1) 100 WATT, A19 INCANDESCENT
MANUFACTURER: HADCO AURORA SERIES, J2

P WALL MOUNTED RECESSED FLUORESCENT FIXTURE. ZERO DEGREE BALLAST. 120V.

LAMPS: (1) 13 WATT, TWIN TUBE FLUORESCENT
MANUFACTURER: PRESCOLITE SERIES 37CF

R TREE LIGHT STRANDS. PROVIDE MINIMUM 4 STRANDS PER TREE. 120V. TRANSFORMER TO BE MOUNTED IN WEATHERPROOF ENCLOSURER.

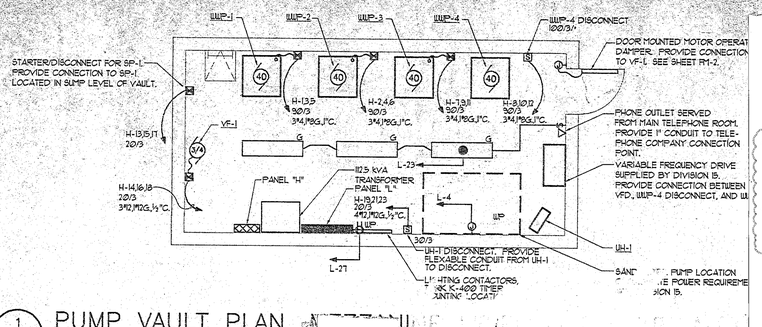
LAMPS: 12 VOLT 0.5 WATT, T- 1 3/4" MINIATURE.
MANUFACTURER: TIVOLI LIGHTING, SERIES 1 WITH TR250 TRANFORMER

S1 SIGN FLOODLIGHT. 277V. ZERO DEGREE BALLAST.

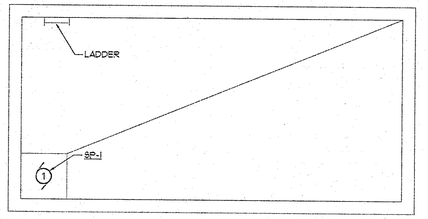
LAMPS: (1) 70 WATT, METAL HALIDE ED-17 3200°K
MANUFACTURER: KIM LIGHTING AFL1 SERIES

S2 SAME AS S1. INCLUDE 100 WATT LAMP.

S3 SAME AS S1. INCLUDE 150 WATT LAMP.



1 FE-0 PUMP VAULT PLAN, [illegible]
1/4" = 1' - 0"



2 FE-0 PUMP VAULT PLAN, SUMP LEVEL - ELECTRICAL
1/4" = 1' - 0"

PANEL H

VOLTAGE: 277/480 AMP: 500
PHASE: 3 MAIN: MCB

DESCRIPTION	KW	BKR	CK	PH	CK	BKR	KW	DESCRIPTION
WWP-1	14.4	90/3	1	A	2	90/3	14.4	WWP-2
------	14.4	-----	3	B	4	-----	14.4	------
------	14.4	-----	5	C	6	-----	14.4	------
WWP-3	14.4	90/3	7	A	8	90/3	14.4	WWP-4
------	14.4	-----	9	B	10	-----	14.4	------
------	14.4	-----	11	C	12	-----	14.4	------
• SP-1	0.56	20/3	13	A	14	20/3	0.6	VF-1
------	0.56	-----	15	B	16	-----	0.6	------
------	0.56	-----	17	C	18	-----	0.6	------
UH-1	3.4	20/3	19	A	20	200/3	37.5	112.5 kVA TRANS.
------	3.4	-----	21	B	22	-----	37.5	------
------	3.4	-----	23	C	24	-----	37.5	------
• FP-1	0.94	20/3	25	A	26	20/1		SPARE
------	0.94	-----	27	B	28	20/1	2.1	WICHITA STREET LTS
------	0.94	-----	29	C	30	20/1	2.1	WICHITA STREET LTS
SPARE		20/1	31	A	32	20/1	2	WALL FLOOD LIGHTS
RIVER LTS	3.4	20/1	33	B	34	20/1	-----	SPARE FOR GFI CONTROL
RIVER LTS	3.15	20/1	35	C	36	20/1		SPARE
SIDEWALK LTS	1.0	20/1	37	A	38	20/1		SPARE
SPACE			39	B	40			SPACE
SPACE			41	C	42			SPACE

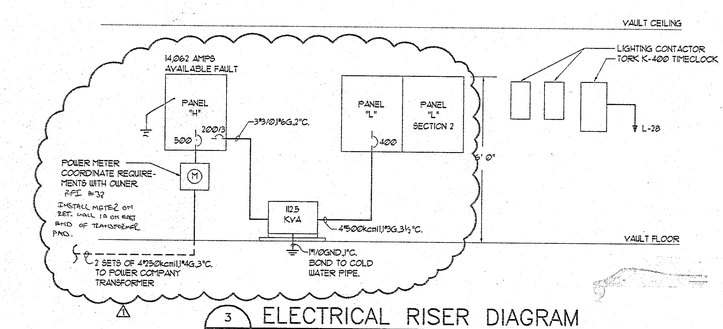
• INDICATES PROVIDE GFI CIRCUIT BREAKER

PANEL L

VOLTAGE: 120/208 AMP: 400
PHASE: 3 MAIN: MCB

DESCRIPTION	KW	BKR	CK	PH	CK	BKR	KW	DESCRIPTION
PAGODA LTS	1.1	20/1	1	A	2	20/1	1.1	STAIRWAY/SPOT LTS
PAGODA LTS	0.9	20/1	3	B	4	20/1	1.5	SAND PUMP CONTROLS
TREE LTS	1.4	20/1	5	C	6	20/1	0.65	TREE LTS
TREE LTS	1.4	20/1	7	A	8	20/1	1.2	ROUND FOUNTAIN LTS
TREE LTS	1.7	20/1	9	B	10	20/1	0.2	SEAT LTS
TREE LTS	1.7	20/1	11	C	12	20/1	1.6	WALL FOUNTAIN LTS
• WALL FOUNTAIN LTS	1.7	20/1	13	A	14	20/1	1.6	WALL FOUNTAIN LTS
• WALL FOUNTAIN LTS	1.6	20/1	15	B	16	20/1	1.6	WALL FOUNTAIN LTS
• WALL FOUNTAIN LTS	1.6	20/1	17	C	18	20/1	1.6	WALL FOUNTAIN LTS
• WALL FOUNTAIN LTS	1.6	20/1	19	A	20	20/1	1.6	WALL FOUNTAIN LTS
SPOT LTS	0.3	20/1	21	B	22	20/1	1.5	WALL FOUNTAIN LTS
VAULT LTS	0.2	20/1	23	C	24	20/1	1.5	WALL FOUNTAIN LTS
POLE RECEPTACLES	0.96	20/1	25	A	26	20/1	1.5	WALL FOUNTAIN LTS
VAULT RECPS.	0.18	20/1	27	B	28	20/1	0.2	TORK TIMECLOCK
• WALL FOUNTAIN LTS	1.7	20/1	29	C	30	20/1	1.2	ROUND FOUNTAIN LTS
• WALL FOUNTAIN LTS	1.6	20/1	31	A	32	20/1	0.96	POLE RECEPTACLES
• WALL FOUNTAIN LTS	1.6	20/1	33	B	34	20/1	0.96	POLE RECEPTACLES
POLE RECEPTACLES	0.96	20/1	35	C	36	20/1	1.2	POLE RECEPTACLES
POLE RECEPTACLES	1.2	20/1	37	A	38	20/1	0.96	POLE RECEPTACLES
SPACE			39	B	40			SPACE
SPACE			41	C	42			SPACE

• INDICATES PROVIDE GFI CIRCUIT BREAKER



3 FE-0 ELECTRICAL RISER DIAGRAM
NOT TO SCALE

PANEL L
SECTION 2

DESCRIPTION	KW	BKR	CK	PH	CK	BKR	KW	DESCRIPTION
BOX1 DED. QUAD.	1	20/1	43	A	44	20/1		SPARE
BOX2 DED. QUAD.	1	20/1	45	B	46	20/1	1	BOX4 DED. QUAD.
BOX3 DED. QUAD.	1	20/1	47	C	48	60/3	5.76	BOX3 60A OUTLET
BOX1 60A OUTLET	5.76	60/3	49	A	50	-----	5.76	------
------	5.76	-----	51	B	52	-----	5.76	------
------	5.76	-----	53	C	54	60/3	5.76	BOX4 60A OUTLET
BOX2 60A OUTLET	5.76	60/3	55	A	56	-----	5.76	------
------	5.76	-----	57	B	58	-----	5.76	------
------	5.76	-----	59	C	60	20/1		SPARE
SPARE		20/1	61	A	62	20/1		SPARE
SPARE		20/1	63	B	64	20/1		SPARE
SPACE			65	C	66			SPACE
SPACE			67	A	68			SPACE
SPACE			69	B	70			SPACE
SPACE			71	C	72			SPACE

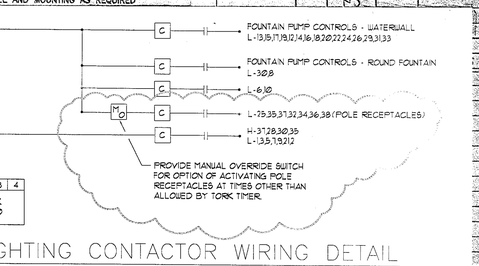
PANEL HL

VOLTAGE: 480/277 AMP: 400
PHASE: 3 MAIN: MCB

DESCRIPTION	KW	BKR	CK	PH	CK	BKR	KW	DESCRIPTION
NORTH PRK LTS	3.15	20/1	1	A	2	20/1		SPARE
SOUTH PRK LTS	2.63	20/1	3	B	4	20/1		SPARE
SPARE		20/1	5	C	6	20/1		SPARE
SPARE		20/1	7	A	8	20/1		SPARE
SPARE		20/1	9	B	10	20/1		SPARE
SPACE			11	C	12			SPACE
SPACE			13	A	14			SPACE
SPACE			15	B	16			SPACE
SPACE			17	C	18			SPACE
SPACE			19	A	20			SPACE
SPACE			21	B	22			SPACE
SPACE			23	C	24			SPACE
SPACE			25	A	26			SPACE
SPACE			27	B	28			SPACE
SPACE			29	C	30			SPACE
SPACE			31	A	32			SPACE
SPACE			33	B	34			SPACE
SPACE			35	C	36			SPACE
SPACE			37	A	38			SPACE
SPACE			39	B	40			SPACE
SPACE			41	C	42			SPACE

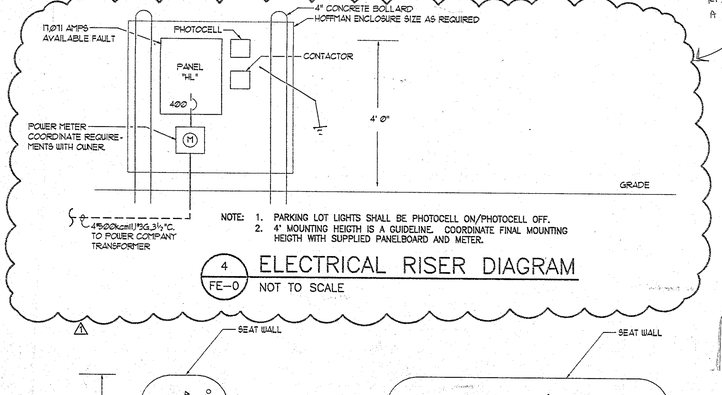
ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION	MTG. HT.
	CONCEALED CONDUIT IN CEILING OR WALL	
	CONCEALED CONDUIT IN FLOOR OR UNDERGROUND	
	EXPOSED CONDUIT	
	CIRCUIT HOMERUN TO PANEL; EACH ARROWHEAD = 1 CIRCUIT	
#	NO. OF CONDUCTORS IN CONDUIT; EACH CROSSHATCH = 1 WIRE	
	FLEXIBLE CONDUIT OR S.O. CORD	
	CONDUIT STUBBED UP OR TURNED DOWN	
	SURFACE MOUNTED RACEWAY	
	MULTI OUTLET SURFACE MOUNTED RACEWAY	
	PLYWOOD BACKBOARD	
	WALL MOUNTED SINGLE RECEPTACLE OUTLET	15"
	WALL MOUNTED DUPLEX RECEPTACLE OUTLET	15"
IG	WALL MOUNTED ISOLATED GROUND DUPLEX RECEPTACLE OUTLET	15"
	WALL MOUNTED G.F.C.I. DUPLEX RECEPTACLE OUTLET	AS REQ'D
	WALL MOUNTED DOUBLE DUPLEX RECEPTACLE OUTLET.	
	WALL MOUNTED SPECIAL RECEPTACLE OUTLET	15"
J	JUNCTION BOX - SIZE AND MOUNTING AS REQUIRED	



5 FE-0 LIGHTING CONTACTOR WIRING DETAIL
NOT TO SCALE

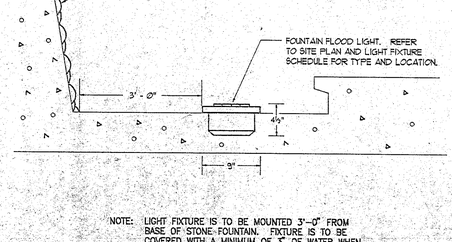
RFI #43 USE BACKPLATE INSTEAD A HOFFMAN ENCLOSURE @ PANEL "HL"



NOTE: 1. PARKING LOT LIGHTS SHALL BE PHOTOCELL ON/PHOTOCELL OFF.
2. 4' MOUNTING HEIGTH IS A GUIDELINE. COORDINATE FINAL MOUNTING HEIGTH WITH SUPPLIED PANELBOARD AND METER.

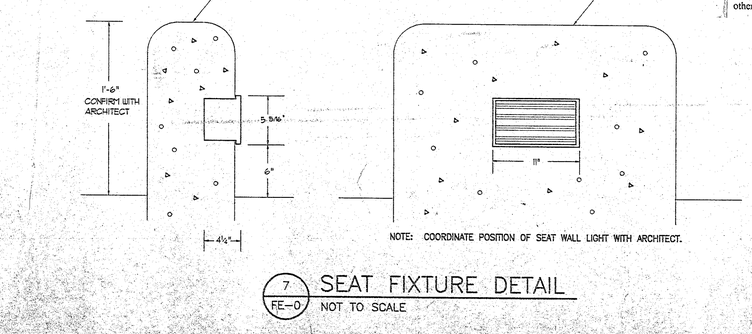
4 FE-0 ELECTRICAL RISER DIAGRAM
NOT TO SCALE

5 FE-0 LIGHTING CONTACTOR WIRING DETAIL
NOT TO SCALE



NOTE: LIGHT FIXTURE IS TO BE MOUNTED 3'-0" FROM BASE OF STONE FOUNTAIN. FIXTURE IS TO BE COVERED WITH A MINIMUM OF 3" OF WATER WHEN FOUNTAIN IS OPERATING.

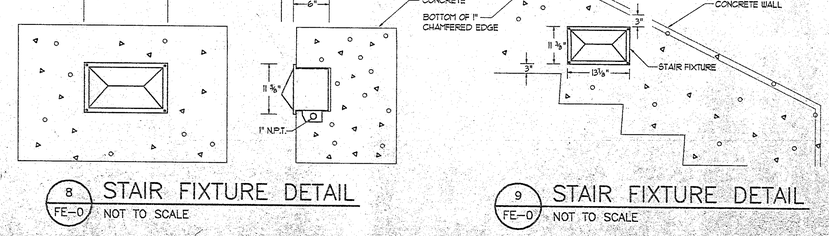
6 FE-0 FOUNTAIN FIXTURE DETAIL
NOT TO SCALE



NOTE: COORDINATE POSITION OF SEAT WALL LIGHT WITH ARCHITECT.

7 FE-0 SEAT FIXTURE DETAIL
NOT TO SCALE

ELECTRICAL WORK: Electrical work related to this Project is illustrated on Sheets FE-0, FE-1, and FE-2; and is described in the Specifications. Any other electrical work shown on other sheets is existing or to be installed by others and is for information only. ADDEN. #2



8 FE-0 STAIR FIXTURE DETAIL
NOT TO SCALE

9 FE-0 STAIR FIXTURE DETAIL
NOT TO SCALE

ADDENDUM #1
11/20/96

PRINTED

DATE	REMARKS
10/30/96	ISSUED FOR CONST.
11/13/96	PRE-BID REVIEW
11/19/96	ADDENDUM #1

30338, 770-392-1818

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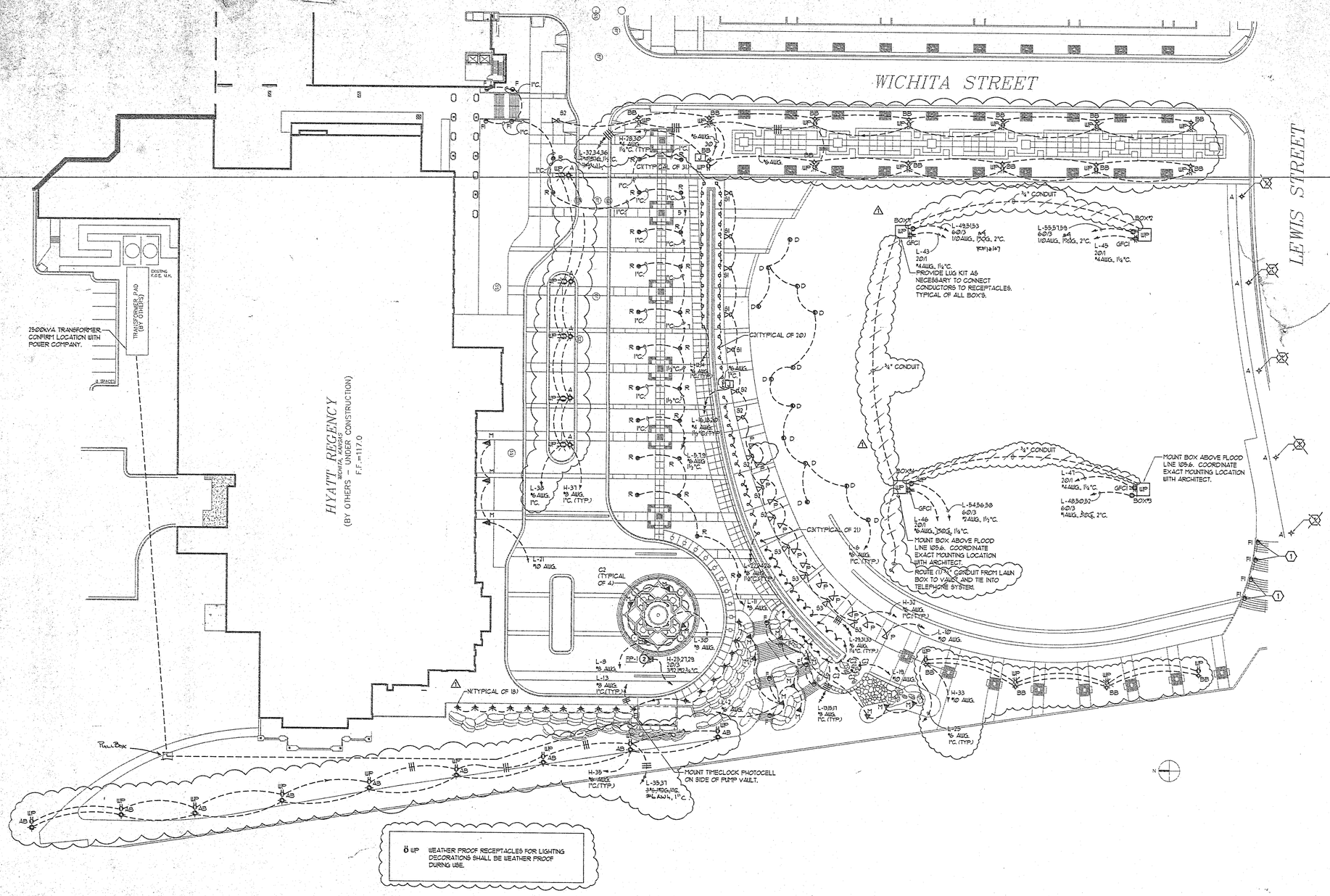
BARRETT, WOODYARD & ASSOCIATES, INC.

SYMBOL LEGEND

WICHITA WATER WALK
WICHITA, KANSAS
CITY OF WICHITA

DATE: 30 OCT 96
DRAWN: DRK
CHECKED: BW
JOB NO: 96202
SHEET: FE-0

RELEASED FOR CONSTRUCTION



1 / FE-1 SITE PLAN – ELECTRICAL
1" = 30'-0"

LEGEND NOTE:

(APPLY THIS SHEET ONLY)

(1) FIXTURES ARE TO BE INSTALLED AND CIRCUITED UNDER A DIFFERENT CITY CONTRACT. FIXTURES ARE TO BE PURCHASED UNDER THIS CONTRACT.

GENERAL NOTE:

(APPLY THIS SHEET ONLY)

1. ALL GROUNDING CONDUCTORES SHALL BE #12 AWG. UNLESS NOTED OTHERWISE.

REC'D 5/30/97 1

PRINTED	
DATE:	REMARKS:
10/30/96	ISSUED FOR CONST.
11/13/96	PRE-BID REVIEW
11/19/96	ADDENDUM #1

REVISIONS	
NO.	REMARKS
1	ADDENDUM #1

BARRETT, WOODYARD & ASSOCIATES, INC.
1320 Center Drive, Atlanta, GA 30338, 770-392-1818

CHARLES L. WOODYARD JR. LICENSED 14292 KANSAS PROFESSIONAL ENGINEER

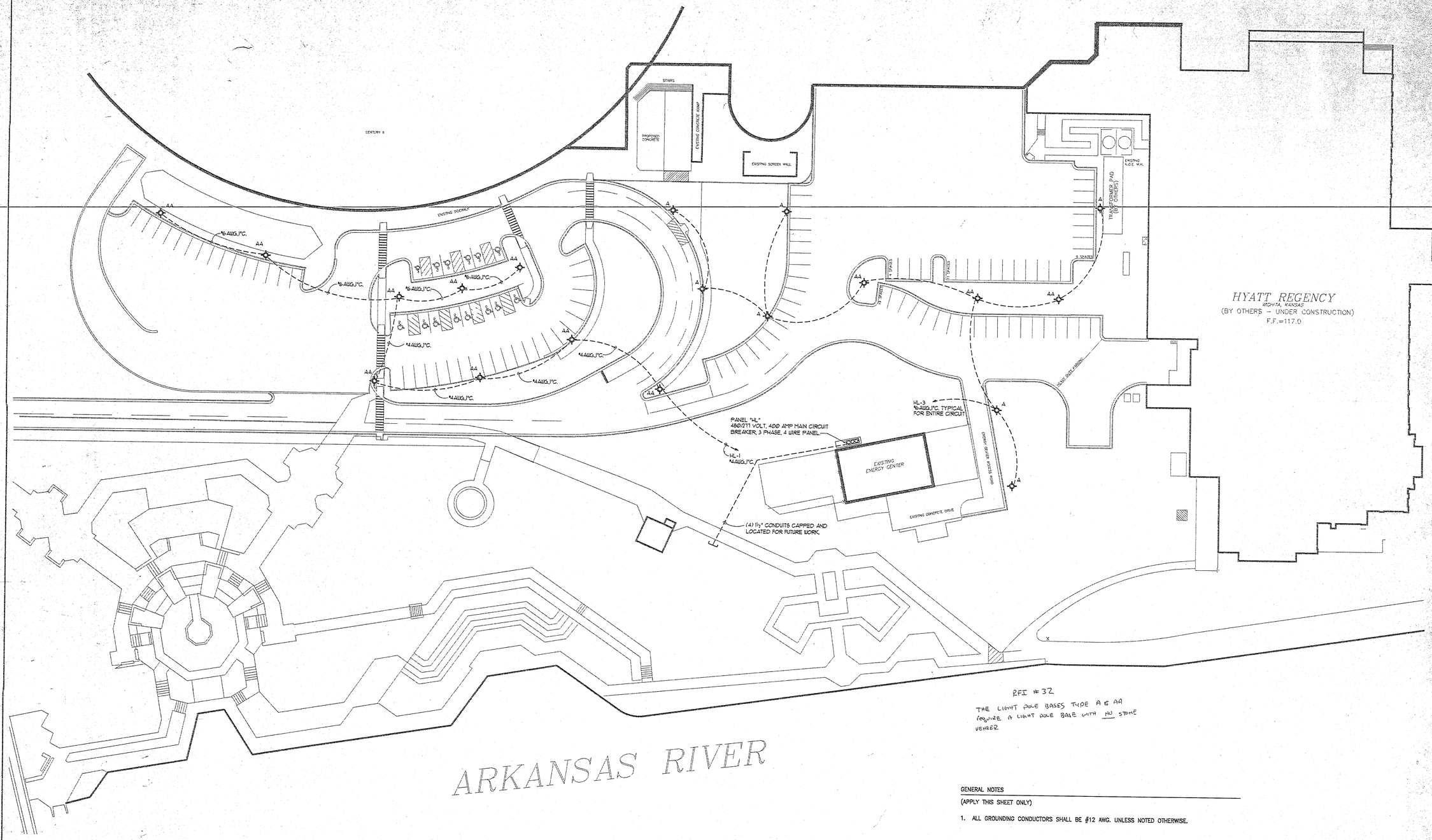
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WICHITA WATER WALK
WICHITA, KANSAS
CITY OF WICHITA

SITE PLAN - ELECTRICAL

DATE: 30 OCT 96
DRAWN: DRK
CHECKED: BW
JOB NO: 96202
SHEET: FE-1

NOT RELEASED FOR CONSTRUCTION



RFI #32

THE LIGHT POLE BASES TYPE A & AA REQUIRE A LIGHT POLE BASE WITH NO STONE VENEER

GENERAL NOTES

(APPLY THIS SHEET ONLY)

1. ALL GROUNDING CONDUCTORS SHALL BE #12 AWG. UNLESS NOTED OTHERWISE.

1 / FE-2 SITE PARKING PLAN – LIGHTING

1" = 30'-0"

NEW SHEET ADDENDUM #2 11/20/96

PRINTED

DATE	REMARKS
11/13/96	PRE-BID REVIEW
11/19/96	ADDENDUM #1

REVISIONS

NO.	REMARKS
1	ADDENDUM #1

BARRETT, WOODYARD & ASSOCIATES, INC.
1320 Center Drive, Atlanta, GA 30338, 770-392-1818

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SITE PARKING PLAN – LIGHTING

WICHITA WATER WALK

WICHITA, KANSAS

CITY OF WICHITA

DATE: 13 NOV 96

DRAWN: DRK

CHECKED: BW

JOB NO: 96202

SHEET: FE-2

RELEASED FOR CONSTRUCTION

CENTURY II
(EXISTING BUILDING)

EXPO HALL
(EXISTING BUILDING)

HYATT REGENCY
WICHITA, KANSAS
(BY OTHERS - UNDER CONSTRUCTION)
F.F.=117.0

DOUGLAS STREET

ENERGY CENTER

3025 SQUARE FEET OF FESCUE SOD

3792 SQUARE FEET OF FESCUE SOD

11466 SQUARE FEET OF FESCUE SEED

3056 SQUARE FEET OF FESCUE SOD

3480 SQUARE FEET OF FESCUE SEED

3074 SQUARE FEET OF FESCUE SOD

8360 SQUARE FEET OF FESCUE SEED

8491 SQUARE FEET OF FESCUE SOD

3312 SQUARE FEET OF FESCUE SOD

3575 SQUARE FEET OF FESCUE SOD

4405 SQUARE FEET OF FESCUE SEED

7756 SQUARE FEET OF FESCUE SOD

14097 SQUARE FEET OF FESCUE SOD

2530 SQUARE FEET OF FESCUE SOD

500 SQUARE FEET OF FESCUE SOD

13500 SQUARE FEET OF FESCUE SEED
HYDRO MULCH

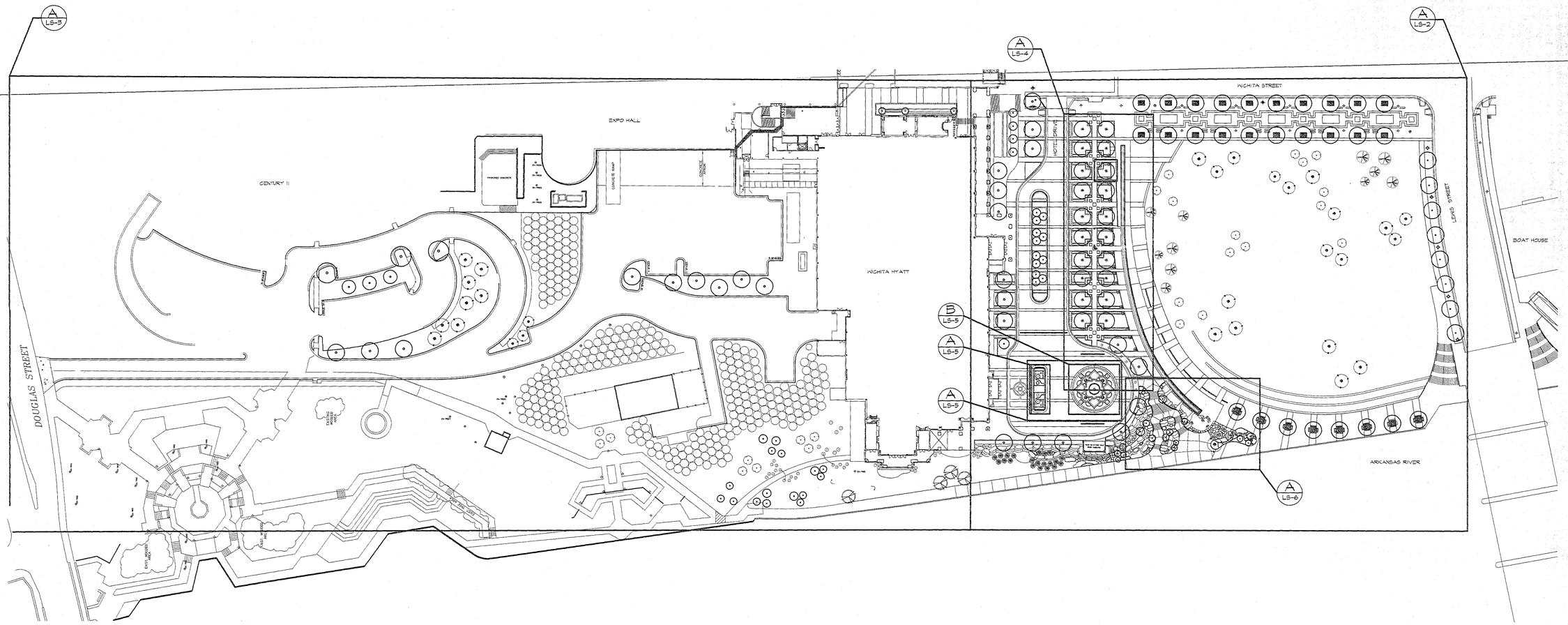
A LAWN PLANTING - SEED OR SOD
0' 20'
1"=50'-0"

AREA TO BE SEEDED WITH FESCUE SEED 15124 SQUARE FEET

AREA TO BE SODDED WITH FESCUE SOD 74340 SQUARE FEET

43000 sf Buffalo Grass
#6,000 -

RECEIVED
JUN 09 1997



A LS-1 MASTER SITE LANDSCAPE PLAN
SCALE: 1" = 50'

0' 25' 50' 100'
SCALE: 1" = 50'-0"
NORTH

REVISIONS

NO.	ISSUE	DATE

WICHITA WATER WALK

WICHITA, KANSAS
CITY OF WICHITA

HUGHES GOOD O'LEARY & RYAN
INCORPORATED
LANDSCAPE ARCHITECTURE
PLANNING
URBAN DESIGN
ENVIRONMENTAL ASSESSMENT

1708 PEACHTREE ST., SUITE 444
ATLANTA, GA. 30309
PHONE 404 876-7726
FAX 404 876-6858

SITE IMPROVEMENT PLAN

DATE	JOB NO.
10.30.96	9501B
DRAWN	CHECKED
LTN	
SCALE	
1"=50'-0"	9501BL01

SHEET
LS-1
OF 64

101- P. WINTERCREEPER
18" O.C. x (11)18" ROWS

3 - SHUMARD OAK

55 - SARGENTS JUNIPER
36" O.C. x (4) 2' ROWS

354- P. WINTERCREEPER (TOTAL)
(177 IN EACH SECTION)
18" O.C. x (11)18" ROWS

27 - CRIMSON PYGMY BARBERRY
24" O.C. x (2)18" ROWS

4 - SCOTCH PINES

23 - BLUE MIST SHRUB
36" O.C. x (2)18" ROWS

3 - HONEY LOCUST

61 - SEASONAL COLOR
8" O.C. - (11) 8" ROWS

65 - EUROPEAN CRANBERRYBUSH VIBURNUM
30" O.C. - SINGLE ROW

13 - CRIMSON PYGMY BARBERRY
24" O.C. x (2)18" ROWS

BERMUDA GRASS SOD

12 - FLAME AMUR MAPLE GOLDEN RAINTREE

128 - PURPLE WINTERCREEPER
18" O.C. x (11)18" ROWS

242 - PURPLE WINTERCREEPER (TOTAL)
(121 IN EACH SECTION)
18" O.C. x (11)18" ROWS

87 - PURPLE WINTERCREEPER
18" O.C. x (11)18" ROWS

4 - EUROPEAN CRANBERRYBUSH VIBURNUM
30" O.C. - SINGLE ROW

3 - IMPERIAL HONEY LOCUST

62 - CRIMSON PYGMY BARBERRY (TOTAL)
(31 IN EACH ROW)
24" O.C. x (2)18" ROWS

7 - EUROPEAN CRANBERRYBUSH VIBURNUM
30" O.C. - SINGLE ROW

62 - CRIMSON PYGMY BARBERRY (TOTAL)
(31 IN EACH ROW)
24" O.C. x (2)18" ROWS

1 - FLAME AMUR MAPLE GOLDEN RAINTREE

9 - EUROPEAN CRANBERRYBUSH VIBURNUM
30" O.C. - SINGLE ROW

9 - BURNING BUSH
36" O.C.X (2) 24" ROW

10 - MISCANTHUS
36" O.C.- STAGGERED ROW

1 - IMPERIAL HONEY LOCUST

43 - BURNING BUSH
36" O.C.X (2) 24" ROW

4 SHADEMASTER LOCUST S. OF VAULT
3 OAKS NORTH OF VAULT

THIS SLOPE TO BE SEEDED WITH GREAT PLAINS MIX, LOFT SEED INC. PERENNIALS WILL BE INTERPLANTED AT THE DISCRETION OF THE L.A.

77- P. WINTERCREEPER
18" O.C. x (11)18" ROWS

HOTEL DRIVE

72- P. WINTERCREEPER
18" O.C. x (11)18" ROWS

135- P. WINTERCREEPER
18" O.C. x (11)18" ROWS

135- P. WINTERCREEPER
18" O.C. x (11)18" ROWS

135- P. WINTERCREEPER
18" O.C. x (11)18" ROWS

WICHITA STREET

ADD ALTERNATE #2
THE TREES INCLUDED WITHIN THIS DASHED LINE ARE A PART OF THIS ADD ALTERNATE

SHADE MASTER LOCUST
20 - BLOODGOOD PLANE TREE

15 - FLORIBUNDA CRABAPPLE

11 - AUSTRIAN PINE

NOTE:
TREE LOCATIONS IN LAWN AREA TO BE COORDINATED WITH INSTALLATION OF IRRIGATION ROTORS.

LEWIS STREET

8 - SHUMARD OAK

18 - AUTUMN GOLD GINKGO

61 - SEASONAL COLOR
8" O.C. - (11) 8" ROWS

65 - EUROPEAN CRANBERRYBUSH VIBURNUM
30" O.C. - SINGLE ROW

BALD CYPRUSS
8 - IMPERIAL HONEY LOCUST

115.00 TOP OF PUMP VAULT
RIVER OVERLOOK

REFER TO SHEET LS-6 FOR THIS AREA

ARKANSAS RIVER

A HOTEL PROMENADE ENLARGEMENT
LS-2 SCALE: 1" = 20'-0"

0' 10' 20' 40'
SCALE: 1" = 20' - 0"

NORTH

REVISIONS

NO.	ISSUE	DATE

WICHITA WATER WALK
WICHITA, KANSAS
CITY OF WICHITA

HUGHES GOOD O'LEARY & RYAN
INCORPORATED
LANDSCAPE ARCHITECTURE
PLANNING
URBAN DESIGN
ENVIRONMENTAL ASSESSMENT

1708 PEACHTREE ST. SUITE 444
ATLANTA, GA. 30309
PHONE 404 876-7726
FAX 404 876-6858

HOTEL PROMENADE LANDSCAPE PLAN

DATE	JOB NO.
10-30-96	95013
DRAWN	CHECKED
LTN	
SCALE	
1"=20'-0"	95013LC1
SHEET	
LS-2	
OF	

CENTURY II

EXISTING LANDSCAPE

11 - JAP. FLOWERING CRABAPPLE
2 - SHUMARD OAK
3 - JAP. FLOWERING CRABAPPLE
BERMUDA GRASS
4 - SHUMARD OAK

SEED

PROPOSED CONCRETE

EX-TREES

CONCRETE RAMP

CONCRETE APRON

62 - SCOTCH PINE W/ MULCH BELOW TO EDGE OF CURB
10' O.C. X (9) 10' ROWS

6 - SHUMARD OAK

SEED

8 SPACES

11' SPACE

11' SPACE

WICHITA HYATT

93 - SCOTCH PINE W/ MULCH BELOW TO EDGE OF CURB
10' O.C. X (14) 10' ROWS

141 - SCOTCH PINE W/ MULCH BELOW TO EDGE OF CURB
10' O.C. X (20) 10' ROWS

EXISTING WOODED AREA

EXISTING LANDSCAPE TO REMAIN THIS SIDE OF WALK

EXIST. WOODED AREA

EXIST. WOODED AREA

EXIST. TREE LINE

LOFTS SEED INC. GREAT PLAINS GRASS MIX

8 - CANAERT RED CEDAR
32- NEARLY WILD ROSE
3 - CANAERT RED CEDAR
3 - PRINCETON AMERICAN ELM

3 - SNOWDRIFT CRABAPPLE

7 - SOAPBERRY
SNOWDRIFT
6 - CRABAPPLE
13 - SOAPBERRY
14 - CANAERT RED CEDAR
9 - SOAPBERRY
13 - CANAERT RED CEDAR
1 - PRINCETON AMERICAN ELM

ARKANSAS RIVER

ADD ALTERNATE #1
THE TREES INCLUDED WITHIN THIS DASHED LINE ARE A PART OF THIS ADD ALTERNATE

A
LS-3
EXPO HALL ENLARGEMENT
SCALE: 1" = 30'-0"

0' 15' 30' 60'
SCALE: 1" = 30' - 0"

NORTH

REVISIONS

NO.	ISSUE	DATE

WICHITA WATER WALK
WICHITA, KANSAS
CITY OF WICHITA

HUGHES GOOD O'LEARY & RYAN
INCORPORATED
LANDSCAPE ARCHITECTURE
PLANNING
URBAN DESIGN
ENVIRONMENTAL ASSESSMENT

1738 PEACHTREE ST., SUITE 444
ATLANTA, GA. 30309
PHONE: 404 876-7726
FAX 404 876-6858

EXPO HALL LANDSCAPE PLAN

DATE:	JOB NO:
10-30-96	9501B
DRAWN: LTN	CHECKED
SCALE: 1"=30'-0"	9501BL01
SHEET: LS-3	OF

81- PURPLE WINTERCREEPER
18" O.C. x (12)18" ROWS

8 - CRIMSON PYGMY BARBERRY (TOTAL)
(4 IN EACH ROW)
24" O.C. x (2)12" ROWS

81- PURPLE WINTERCREEPER
18" O.C. x (12)18" ROWS

21 DWARF ALBERTA SPRUCE
~~20 - ROBUSTA GREEN JUNIPER~~

131 - PURPLE WINTERCREEPER
18" O.C. x (12)18" ROWS

REFER TO SHT. LS-2
FOR THIS AREA

10 - CRIMSON PYGMY BARBERRY (TOTAL)
(5 IN EACH ROW)
24" O.C. x (2)12" ROWS

101 - PURPLE WINTERCREEPER
18" O.C. x (11) 18" ROWS

14 - CRIMSON PYGMY BARBERRY (TOTAL)
(7 IN EACH ROW)
24" O.C. x (2)12" ROWS

99 - PURPLE WINTERCREEPER
18" O.C. x (11) 18" ROWS

10 - CRIMSON PYGMY BARBERRY (TOTAL)
(5 IN EACH ROW)
24" O.C. x (2)12" ROWS

109 - PURPLE WINTERCREEPER
18" O.C. x (11) 18" ROWS

REFER TO SHEET LS-2
FOR THIS AREA

18 - CRIMSON PYGMY BARBERRY
24" O.C. x (2)12" ROWS

58 - PURPLE WINTERCREEPER
18" O.C. x (11) 18" ROWS

17 - CRIMSON PYGMY BARBERRY
24" O.C. x (2)12" ROWS

17 - CRIMSON PYGMY BARBERRY
24" O.C. x (2)12" ROWS

130 - PURPLE WINTERCREEPER
18" O.C. x (11) 18" ROWS

19 - CRIMSON PYGMY BARBERRY
24" O.C. x (2)12" ROWS

179 - PURPLE WINTERCREEPER
18" O.C. x (11) 18" ROWS

25 - CRIMSON PYGMY BARBERRY
24" O.C. x (2)12" ROWS

43 - CRIMSON PYGMY BARBERRY
24" O.C. x (2)12" ROWS

211 - PURPLE WINTERCREEPER
18" O.C. x (11) 18" ROWS

41 - CRIMSON PYGMY BARBERRY
24" O.C. x (2)12" ROWS

39 - CRIMSON PYGMY BARBERRY
24" O.C. x (2)12" ROWS

181 - PURPLE WINTERCREEPER
18" O.C. x (11) 18" ROWS

145 - PURPLE WINTERCREEPER
18" O.C. x (11) 18" ROWS

2 - HONEY LOCUST

REFER TO SHT. LS-5
FOR THIS AREA

168 - PURPLE WINTERCREEPER
18" O.C. x (15) 18" ROWS

261 - C.PYGMY BARBERRY (TOTAL)
(29 IN EACH ROW)
24" O.C. x (2)12" ROWS

720 -SEASONAL COLOR (TOTAL)
(90 IN EACH ROW)
8" O.C. x (2) 8" ROWS

20 - AUTUMN BLAZE MAPLE

129 - PURPLE WINTERCREEPER
18" O.C. x (15) 18" ROWS

90 - MISCANTHUS (TOTAL)
(5 IN EACH SECTION)
36" O.C. SINGLE ROW

152 - CRIMSON PYGMY BARBERRY (TOTAL)
(19 IN EACH ROW)
24" O.C. x (2) 12" ROWS

129 - PURPLE WINTERCREEPER
18" O.C. x (15) 18" ROWS

HOTEL DRIVE

540 - PURPLE WINTERCREEPER (TOTAL)
153 - PURPLE WINTERCREEPER (IN EACH ISLAND)
18" O.C. x (15) 18" ROWS

58 - PURPLE WINTERCREEPER
18" O.C. x (15) 18" ROWS

65 -SEASONAL COLOR
8" O.C. x (2) 8" ROWS

150 - PURPLE WINTERCREEPER

34 - PURPLE WINTERCREEPER
18" O.C. x (11) 18" ROWS

4 - MISCANTHUS (TOTAL)
(2 IN EACH SECTION)
24" O.C. - SINGLE ROW

13 - CRIMSON PYGMY BARBERRY
24"O.C. X (2) 12" ROWS

16 - CRIMSON PYGMY BARBERRY
24"O.C. X (2) 12" ROWS

41 -SEASONAL COLOR
8" O.C. x (2) 8" ROWS

150 - PURPLE WINTERCREEPER
18" O.C. x (15) 18" ROWS

A PEDESTRIAN PROMENADE ENLARGEMENT

LS-4 SCALE: 1" = 10'-0"

0' 05' 10' 20'

SCALE: 1" = 10' - 0"

NORTH

REVISIONS

NO.	ISSUE	DATE

WICHITA WATER WALK

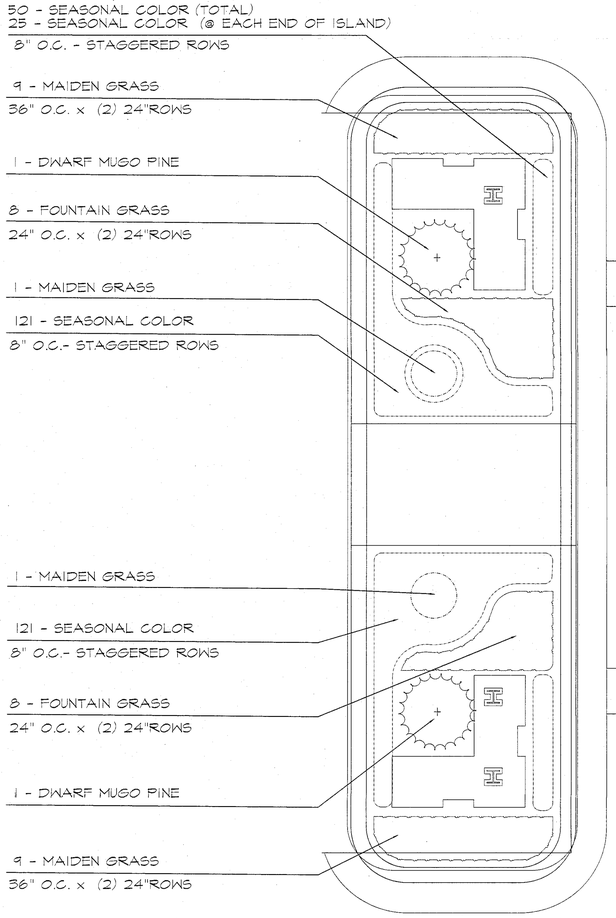
WICHITA, KANSAS

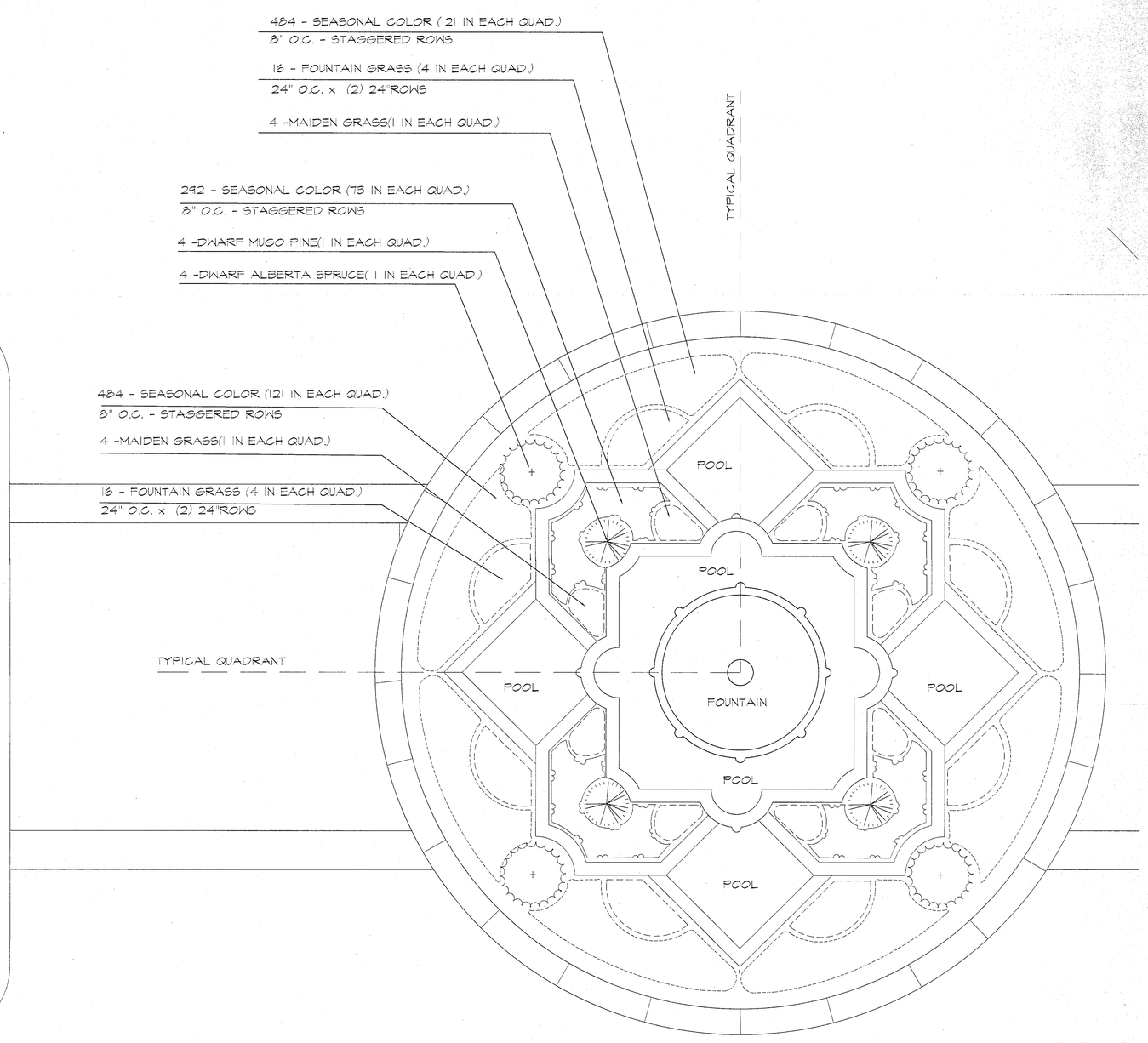
CITY OF WICHITA

HUGHES GOOD O'LEARY & RYAN
INCORPORATED
LANDSCAPE ARCHITECTURE
PLANNING
URBAN DESIGN
ENVIRONMENTAL ASSESSMENT
1708 PEACHTREE, ST., SUITE 444
ATLANTA, GA. 30309
PHONE 404-876-7726
FAX 404 876-6858

PEDESTRIAN PROMENADE ENLARGEMENT

DATE	JOB NO.
10-30-96	95013
DRAWN	CHECKED
LTN	
SCALE	
1"=10'-0"	95013LG1
SHEET	
LS-4	
OF	





Drawing LS-5: All landscaping in Detail B/LS-5 is a part of ADD ALTERNATE 2.

A / LS-5 PORTE-COCHERE ENLARGEMENT
SCALE: 1/4" = 1'

B / LS-5 FOUNTAIN ENLARGEMENT
SCALE: 1/4"=1'

A / LS-5 FOUNTAIN & PORTE-COCHERE ENLARGEMENT
AS SHOWN

NORTH

REVISIONS

NO.	ISSUE	DATE

WICHITA WATER WALK
WICHITA, KANSAS
CITY OF WICHITA

HUGHES GOOD O'LEARY & RYAN
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FOUNTAIN AND PORTE-COCHERE ENLARGEMENT

DATE	JOB NO.
10.30.96	9501B
DRAWN	CHECKED
LTN	
SCALE	
1" = 1/4"	9501BL01
SHEET	
LS-5.1	
OF 04	

1 - SOAPBERRY

3 - PENNISETUM
18" O.C.

6 - ANTHONY WATERER SPIREA
24" O.C.

10 - HIDECOTE ST. JOHNSWORT
18" O.C.

2 - MISCANTHUS
24" OC

6 - CANAERT RED CEDAR

2 - MISCANTHUS
24" OC

4 - ANTHONY WATERER SPIREA
24" O.C.

3 - PENNISETUM
18" O.C.

4 - PENNISETUM
18" O.C.

5 - MISCANTHUS
24" OC

1 - SOAPBERRY

8 - HIDECOTE ST. JOHNSWORT
18" O.C.

3 - CANAERT RED CEDAR

9 - MISCANTHUS
24" O.C. STAGGERED ROW

6 - BURNING BUSH
36" O.C. STAGGERED ROW

8 - MISCANTHUS
24" o.c.

6 - CUTLEAF STAGHORN SUMAC

9 - JAPANESE BLOOD GRASS
12" o.c.

18 - BURNING BUSH
24" O.C. STAGGERED ROW

11 - BURNING BUSH
24" o.c.

3 - MISCANTHUS
24" o.c.

10 - MISCANTHUS
36" O.C. STAGGERED ROW

15 - BURNING BUSH
24" O.C. X (3) 24" ROWS

2- CANAERT JUNIPER

10 - BURNING BUSH
24" O.C. STAGGERED ROW

10 - MISCANTHUS
36" O.C. STAGGERED ROW

4 PARTHENOCISSUS ENGLISH IVY

116.00 TOP OF PUMP VAULT
RIVER OVERLOOK

7 - NEARLY WILD ROSE
36" OC

91 - JAPANESE BLOOD GRASS
12" OC

5 - MISCANTHUS
24" OC

4 - PENNISETUM
18" OC

9 - OREGON GRAPE HOLLY
18" OC

9 - OREGON GRAPE HOLLY
18" OC

18 - GRO-LOW SUMAC
24" OC

5 - BAR HARBOR JUNIPER
24" o.c.

4 - ~~SOAPBERRY~~ CHINESE PISTACHE

2 - PENNISETUM
18" o.c.

25 - ROSY GLOW SEDUM
12" OC

18 - GRO-LOW SUMAC
24" OC

5 - ~~SOAPBERRY~~ CHINESE PISTACHE

3 - MISCANTHUS
24" OC

11 - MISCANTHUS
24" OC

55 - BAR HARBOR JUNIPER
24" OC

9 - BUTTERFLY BUSH
30" o.c.

2 - PENNISETUM
18" o.c.

9 - BUTTERFLY BUSH
30" o.c.

11 - PENNISETUM
18" o.c.

1 - ~~BUR OAK~~ BALD CYPRUS

55 - BAR HARBOR JUNIPER
24" OC

7 - BAR HARBOR JUNIPER
24" o.c.

3 - MUGO PINE
4' o.c.

2 - CANAERT RED CEDAR
24" o.c.

4 - ROSY GLOW SEDUM
12" o.c.

2 - MISCANTHUS
24" OC

2 - MISCANTHUS
24" OC

7 - MISCANTHUS
24" OC

5 - CUTLEAF STAGHORN SUMAC

11 - BAR HARBOR JUNIPER
24" o.c.

9 - NEARLY WILD ROSE
36" OC

7 - MISCANTHUS
24" OC

3 - CANAERT RED CEDAR
24" o.c.

10 - BURNING BUSH
24" o.c.

12 - PENNISETUM
18" o.c.

22 - SEDUM ROSY GLOW
12" o.c.

3 - SOAPBERRY

15 - MISCANTHUS
24" o.c.

3 - COCKSPUR HAWTHORN

5 - PENNISETUM
18" o.c.

3 - SOAPBERRY

3 - MISCANTHUS
24" o.c.

5 - PENNISETUM
18" o.c.

3 - MISCANTHUS
30" o.c.

6 - CANAERT RED CEDAR
24" o.c.

A RIVERWALK ENLARGEMENT
LS-6 SCALE: 1/8" = 1'-0"

REVISIONS

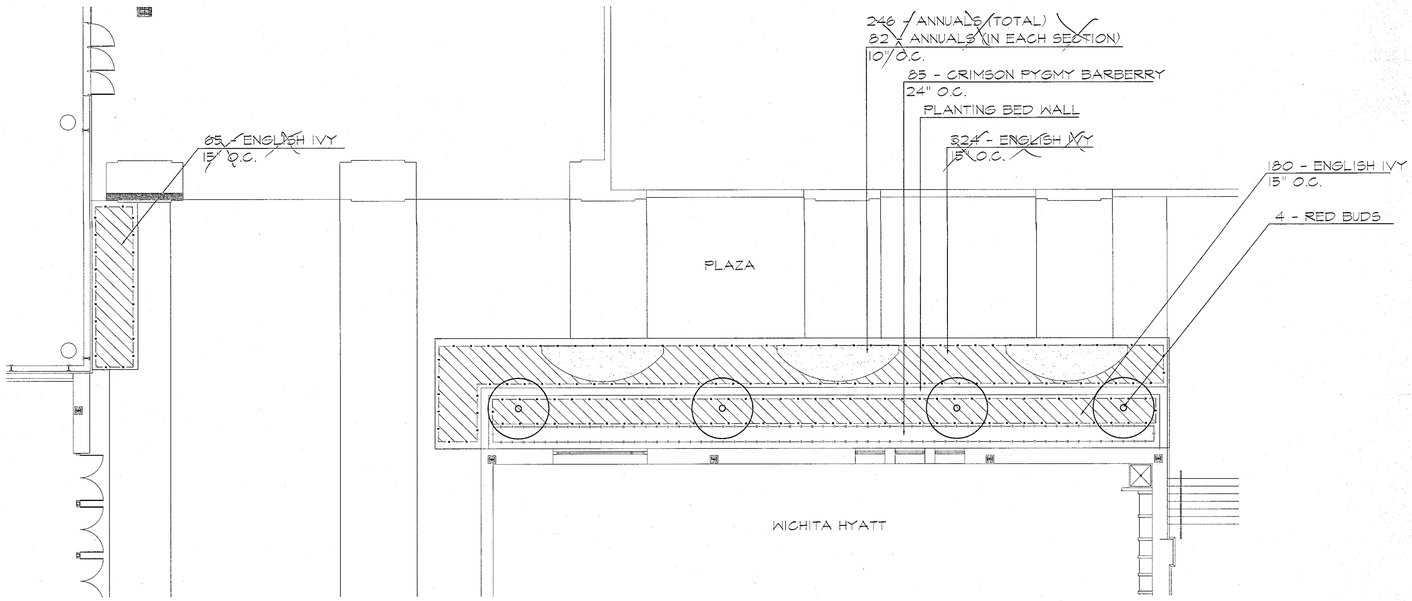
NO.	ISSUE	DATE

WICHITA WATER WALK
WICHITA, KANSAS
CITY OF WICHITA

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FAX : 404-876-6858

RIVERWALK LANDSCAPE PLAN

DATE	JOB NO.
10-30-96	95013
DRAWN	CHECKED
LTN	
SCALE	
1/8" = 1'	95013LC1
SHEET	
LS-6	
OF	



A / LS-7 PLAZA LANDSCAPE PLAN

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

NORTH

REVISIONS

NO.	ISSUE	DATE

WICHITA WATER WALK

WICHITA, KANSAS

CITY OF WICHITA

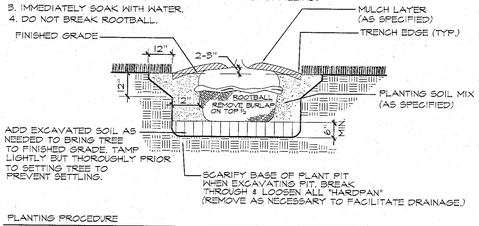
HUGHES GOOD O'LEARY & RYAN
INCORPORATED
LANDSCAPE ARCHITECTURE
PLANNING
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ENVIRONMENTAL ASSESSMENT

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FAX 404 876-6858

PLAZA LANDSCAPE PLAN

DATE	JOB NO.
10-30-96	9501B
DRAWN	CHECKED
LTN	
SCALE	
1/8" = 1'-0"	9501BLG1
SHEET	
LS-7	
OF	

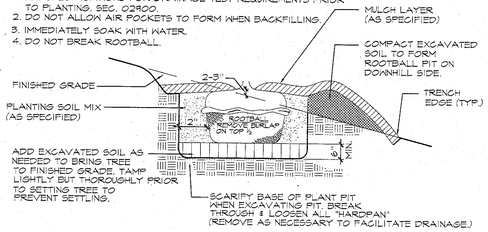
GENERAL NOTES:
1. SEE SPECIFICATIONS FOR DRAINAGE TEST REQUIREMENTS PRIOR TO PLANTING, SEC. 02900.
2. DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING.
3. IMMEDIATELY SOAK WITH WATER.
4. DO NOT BREAK ROOTBALL.



PLANTING PROCEDURE
1. EXCAVATE ROOTBALL PIT.
2. ADD EXCAVATED SOIL & TAMP. SET TREE SUCH THAT TOP OF ROOTBALL IS 2-3" HIGHER THAN FINISHED GRADE.
3. BACKFILL W/ SOIL MIX & "WATER IN".
4. COMPLETE BACKFILLING, CONSTRUCT TRENCH EDGE & ADD SPECIFIED MULCH.
5. STAKE & GUY SECURELY.

A LS-8 TYPICAL TREE ROOTBALL PIT
N.T.S. LD1

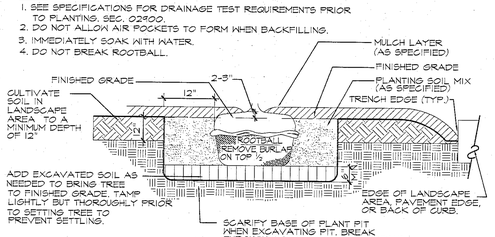
GENERAL NOTES:
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2. DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING.
3. IMMEDIATELY SOAK WITH WATER.
4. DO NOT BREAK ROOTBALL.



PLANTING PROCEDURE
1. EXCAVATE ROOTBALL PIT.
2. ADD EXCAVATED SOIL & TAMP. SET TREE SUCH THAT TOP OF ROOTBALL IS 2-3" HIGHER THAN FINISHED GRADE.
3. BACKFILL W/ SOIL MIX & "WATER IN".
4. COMPLETE BACKFILLING, CONSTRUCT PIT ON LOWER SIDE, TRENCH EDGE & ADD MULCH.
5. STAKE & GUY SECURELY.

B LS-8 TREE ROOTBALL PIT (ON SLOPE)
N.T.S. LD2

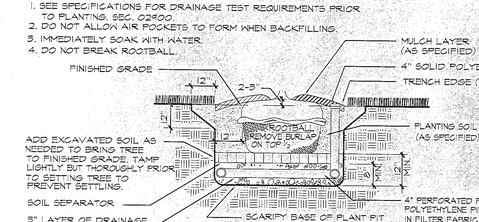
GENERAL NOTES:
1. SEE SPECIFICATIONS FOR DRAINAGE TEST REQUIREMENTS PRIOR TO PLANTING, SEC. 02900.
2. DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING.
3. IMMEDIATELY SOAK WITH WATER.
4. DO NOT BREAK ROOTBALL.



PLANTING PROCEDURE
1. EXCAVATE ROOTBALL PIT.
2. ADD EXCAVATED SOIL & TAMP. SET TREE SUCH THAT TOP OF ROOTBALL IS 2-3" HIGHER THAN FINISHED GRADE.
3. BACKFILL W/ SOIL MIX & "WATER IN".
4. COMPLETE BACKFILLING, CONSTRUCT TRENCH EDGE & ADD SPECIFIED MULCH.
5. STAKE & GUY SECURELY.

C LS-8 TYPICAL TREE ROOTBALL PIT IN CULTIVATED AND MULCHED PLANTING AREA
N.T.S. LD3

GENERAL NOTES:
1. SEE SPECIFICATIONS FOR DRAINAGE TEST REQUIREMENTS PRIOR TO PLANTING, SEC. 02900.
2. DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING.
3. IMMEDIATELY SOAK WITH WATER.
4. DO NOT BREAK ROOTBALL.

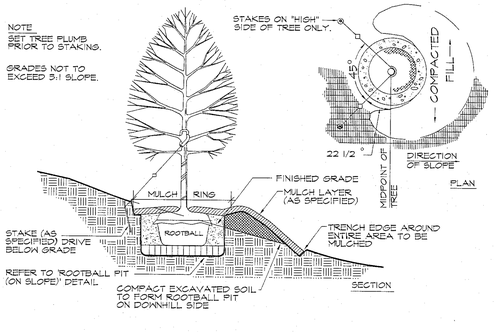


PLANTING PROCEDURE
1. EXCAVATE ROOTBALL PIT.
2. ADD EXCAVATED SOIL & TAMP. SET TREE SUCH THAT TOP OF ROOTBALL IS 2-3" HIGHER THAN FINISHED GRADE.
3. BACKFILL W/ SOIL MIX & "WATER IN".
4. COMPLETE BACKFILLING, CONSTRUCT TRENCH EDGE & ADD SPECIFIED MULCH.
5. STAKE & GUY SECURELY.

D LS-8 TREE ROOTBALL PIT (WITH DRAINAGE)
N.T.S. LD4

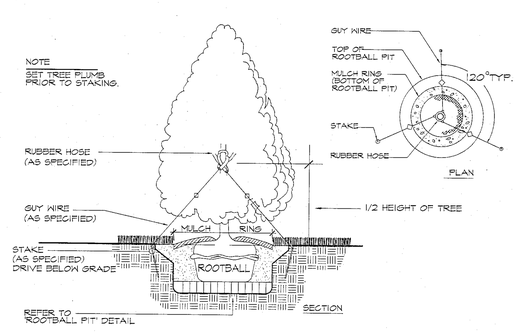
NOTE
SET TREE PLUMB PRIOR TO STAKING.

GRADES NOT TO EXCEED 3:1 SLOPE.



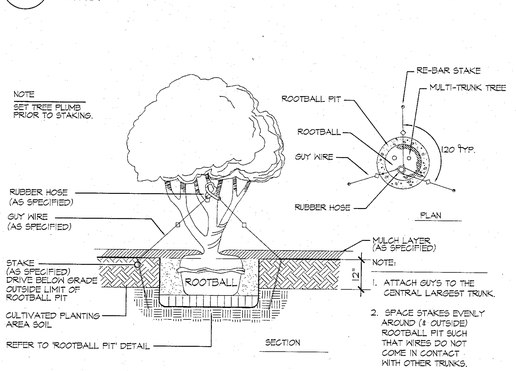
E LS-8 TREE ON SLOPE STAKING AND GUYING
N.T.S. LD6

NOTE
SET TREE PLUMB PRIOR TO STAKING.



F LS-8 EVERGREEN (BROADLEAF) TREE STAKING AND GUYING
N.T.S. LD7

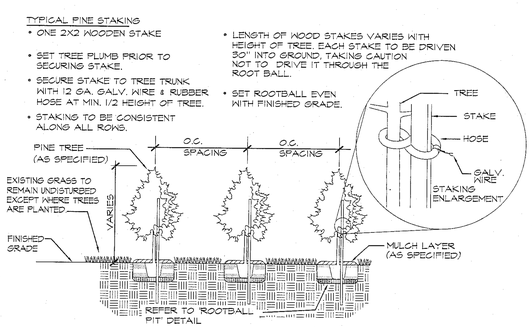
NOTE
SET TREE PLUMB PRIOR TO STAKING.



NOTE:
1. ATTACH GUYS TO THE CENTRAL LARGEST TRUNK.
2. SPACE STAKES EVENLY AROUND (4 OUTSIDE) ROOTBALL PIT SUCH THAT WIRES DO NOT COME IN CONTACT WITH OTHER TRUNKS.

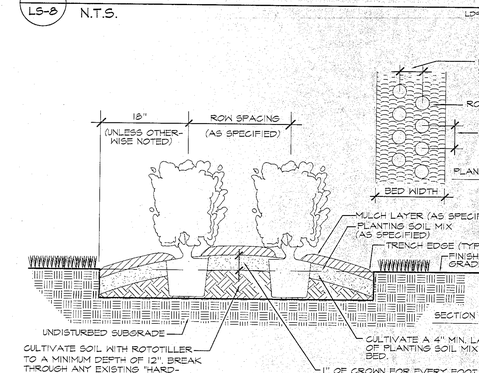
I LS-8 MULTI-TRUNK TREE STAKING AND GUYING IN CULTIVATED AND MULCHED PLANTING AREA
N.T.S. LD13

TYPICAL PINE STAKING
- ONE 2X2 WOODEN STAKE
- SET TREE PLUMB PRIOR TO SECURING STAKE.
- SECURE STAKE TO TREE TRUNK WITH 12 GA. GALV. WIRE & RUBBER HOSE AT MIN. 1/2 HEIGHT OF TREE.
- STAKING TO BE CONSISTENT ALONG ALL ROWS.
- LENGTH OF WOOD STAKES VARIES WITH HEIGHT OF TREE. EACH STAKE TO BE DRIVEN 30" INTO GROUND, TAKING CAUTION NOT TO DRIVE IT THROUGH THE ROOT BALL.
- SET ROOTBALL EVEN WITH FINISHED GRADE.

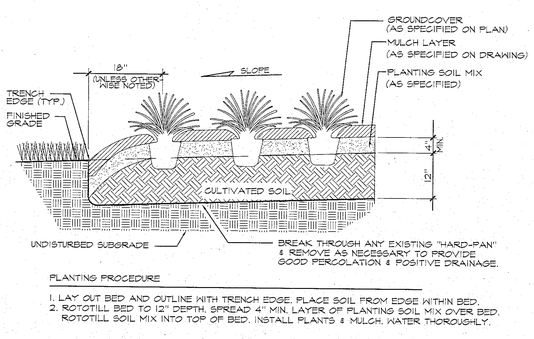


J LS-8 MASS PINE PLANTING AND STAKING DETAIL IN EXISTING VEGETATED AREA
N.T.S. LD17

K LS-8 HEDGE PLANTING (SINGLE ROW)
N.T.S. LD21



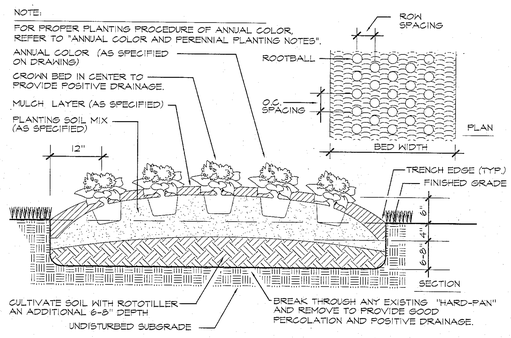
L LS-8 HEDGE PLANTING (DOUBLE ROW)
N.T.S. LD22



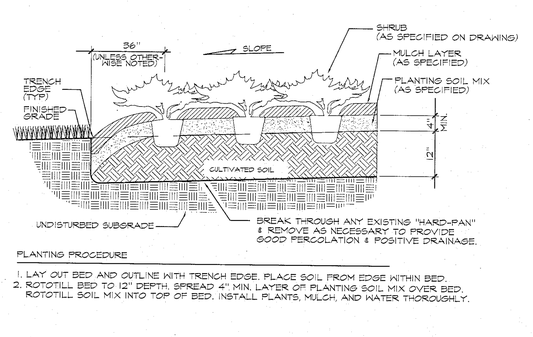
PLANTING PROCEDURE
1. LAY OUT BED AND OUTLINE WITH TRENCH EDGE. PLACE SOIL FROM EDGE WITHIN BED.
2. ROTOTILL BED TO 12" DEPTH. SPREAD 4" MIN. LAYER OF PLANTING SOIL MIX OVER BED. ROTOTILL SOIL MIX INTO TOP OF BED. INSTALL PLANTS & MULCH. WATER THOROUGHLY.

M LS-8 GROUNDCOVER PLANTING
N.T.S. LD35

NOTE:
FOR PROPER PLANTING PROCEDURE OF ANNUAL COLOR, REFER TO "ANNUAL COLOR AND PERENNIAL PLANTING NOTES".



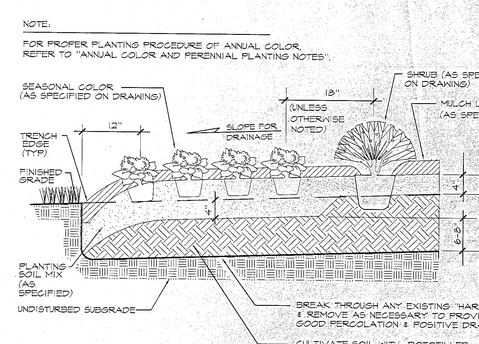
N LS-8 ANNUAL COLOR BED PLANTING
N.T.S. LD35



PLANTING PROCEDURE
1. LAY OUT BED AND OUTLINE WITH TRENCH EDGE. PLACE SOIL FROM EDGE WITHIN BED.
2. ROTOTILL BED TO 12" DEPTH. SPREAD 4" MIN. LAYER OF PLANTING SOIL MIX OVER BED. ROTOTILL SOIL MIX INTO TOP OF BED. INSTALL PLANTS, MULCH, AND WATER THOROUGHLY.

O LS-8 SHRUB (JUNIPER) PLANTING
N.T.S. LD30

NOTE:
FOR PROPER PLANTING PROCEDURE OF ANNUAL COLOR, REFER TO "ANNUAL COLOR AND PERENNIAL PLANTING NOTES".



P LS-8 ANNUAL COLOR BED (FRONTING SHRUB BED)
N.T.S. LD36

REVISIONS:

NO.	ISSUE	DATE

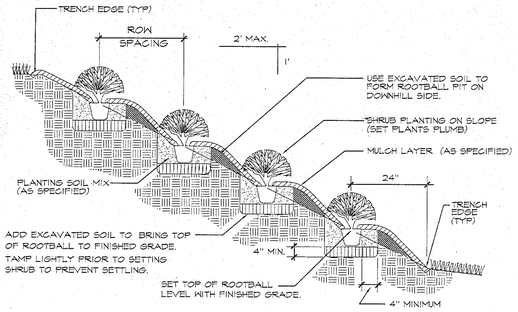
WICHITA WATERWALK
WICHITA, KANSAS
CITY OF WICHITA

HUGHES GOOD O'LEARY & RYAN
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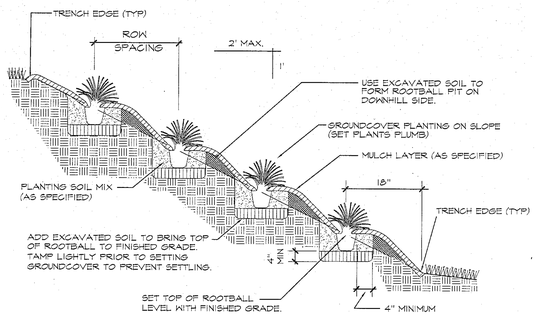
LANDSCAPE DEVELOPMENT DETAILS

DATE	JOB NO.
10-30-96	95013
DRAWN	CHECKED
LTN	
SCALE	
AS SHOWN	95013
SHEET	
LS-8	
OF	



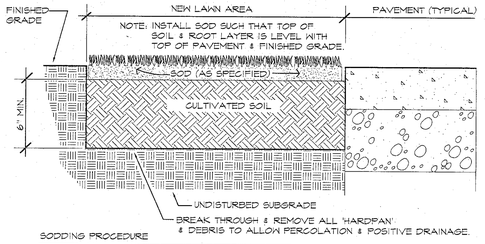
A LS-9 SHRUB PLANTING ON SLOPE

N.T.S. LD21



B LS-9 GROUNDCOVER PLANTING ON SLOPE

N.T.S. LD18



SODDING PROCEDURE

1. THE GENERAL CONTRACTOR WILL PROVIDE GRADES TO (+/- .20) OF A FOOT OF PROPOSED GRADES.
2. CULTIVATE ENTIRE AREA TO A MINIMUM 6" DEPTH. HANDRAKE SMOOTH.
3. ADD ADDITIVES (AS PER SOIL TEST ANALYSIS) & ROTOTILL.
4. WATER AREA TO BE SODDED PRIOR TO LAYING SOD.
5. LAY & ROLL SOD. WATER THOROUGHLY.

C LS-9 SOD INSTALLATION

N.T.S. LD19

ANNUAL COLOR AND PERENNIAL PLANTING NOTES:

1. EXCAVATE BED TO A DEPTH OF 4 INCHES. REMOVE EXISTING SOIL FROM SITE. BREAK THROUGH "HARDPAN" AND REMOVE ALL STONE, ROOTS, DEBRIS, ETC.. ROTOTILL EXCAVATED BED AN ADDITIONAL 6-8 INCHES IN DEPTH.
2. SLOPE THE BASE OF THE BED TO THE TRENCH EDGE.
3. PREPARE PLANTING SOIL MIX CONSISTING OF TOPSOIL AND THE FOLLOWING SOIL AMENDMENTS BY VOLUME. REFER TO SPECIFICATION SECTION 02900 FOR TOPSOIL REQUIREMENTS.
   - 40% TOPSOIL (AS SPECIFIED)
   - 25% HUMUS
   - 15% PINE BARK MULCH (FINGERNAIL SIZED CHIPS - 1/4 INCH MAX.)
   - 10% "NATURE'S HELPER"
   - 5% STERILIZED COMPOSTED COW MANURE
   - 5% SAND (ANGULAR BUILDERS SAND)
   - LIME AT A RATE OF 5 LBS. PER 50 SQ. FEET (ADJUST FOR ALKALINE SOILS)
4. ADD 6 INCHES OF PLANTING SOIL TO EXCAVATE BED & ROTOTILL INTO EXISTING SOIL.
5. PLACE ADDITIONAL PLANTING SOIL MIX TO RAISE ENTIRE BED 6 INCHES ABOVE FINISHED GRADE FOR SEASONAL COLOR AND 4 INCHES FOR PERENNIALS. IF SEASONAL BED FRONTS A SHRUB OR GROUNDCOVER BED, MATCH THAT BED'S HEIGHT & CONTINUE POSITIVE SLOPE TOWARD TRENCH EDGE.
6. ROTOTILL ENTIRE BED TO A DEPTH OF 12 INCHES +, -
7. EVENLY SPREAD FERTILIZER APPROPRIATE TO A VARIETY OF SEASONAL COLOR AT A MAXIMUM RATE OF 2.5 LBS. PER 100 SQ. FEET AND RAKE INTO TOP 3 INCHES OF SOIL.
8. PLANT SEASONAL COLOR AS SPECIFIED AND AT INDICATED SPACING SHOWN ON PLANS.
9. EDGE SEASONAL COLOR BED AND MULCH AS SPECIFIED.
10. WATER THOROUGHLY.

PLANTING SOIL MIX NOTES:

1. THE LANDSCAPE CONTRACTOR SHALL FURNISH TOPSOIL; TOPSOIL MUST BE APPROVED BY THE LANDSCAPE ARCHITECT. REFER TO SPECIFICATION SECTION 02900 FOR TOPSOIL REQUIREMENTS.
2. THE LANDSCAPE CONTRACTOR SHALL SUPPLY ALL PLANTING SOIL MIX.
3. THE PLANTING SOIL MIX MUST APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO ANY BACKFILLING.
4. THE TYPICAL PLANTING SOIL MIX FOR ON-GRADE PLANTINGS (TREES, SHRUBS & GROUNDCOVERS) SHALL CONSIST OF THE FOLLOWING UNLESS OTHERWISE INDICATED ON THE DRAWINGS:
   - 60% TOPSOIL (AS SPECIFIED)
   - 40% PREPARED ADDITIVES (BY VOLUME AS FOLLOWS):
     2 PARTS HUMUS AND/OR PEAT
     1 PART STERILIZED COMPOSTED COW MANURE
     1 PART SHREDDED PINE BARK (BARK PIECES BETWEEN 1/2 INCH AND 2 INCHES IN LENGHT)
   - COMMERCIAL FERTILIZER AS RECOMMENDED IN SOIL REPORT.
   - LIME AS RECOMMENDED IN SOIL REPORT.

GENERAL PLANTING NOTES:

1. ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL FREE OF PESTS & DISEASES.
2. ALL PLANTS MUST BE CONTAINER-GROWN (CONT.) OR BALLED & BURLAPPED (B&B) AS INDICATED IN THE PLANT LIST.
3. ALL TREES MUST BE STRAIGHT TRUNKED, FULL HEADED & MEET ALL REQUIREMENTS SPECIFIED.
4. ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT & THE OWNER BEFORE, DURING & AFTER INSTALLATION.
5. ALL TREES MUST BE GUYED OR STAKED AS SHOWN IN THE DETAILS.
6. ALL PLANTS & PLANTING AREAS MUST BE COMPLETELY MULCHED AS SPECIFIED.
7. PRIOR TO CONSTRUCTION, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES & SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY & ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCUR AS A RESULT OF THE LANDSCAPE CONSTRUCTION.
8. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE THESE PLANS BEFORE PRICING THE WORK.
9. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTING (INCLUDING, BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING,ETC.) OF PLANTING AREAS & LAWNS UNTIL THE WORK IS ACCEPTED IN TOTAL BY THE LANDSCAPE ARCHITECT AND THE OWNER.
10. THE LANDSCAPE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR BEGINNING AT THE DATE OF SUBSTANTIAL COMPLETION. THE LANDSCAPE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE OR AT THE END OF THE GUARANTEE PERIOD (AS DIRECTED BY THE OWNER).
11. THE LANDSCAPE ARCHITECT WILL APPROVE THE STAKED LOCATION OF ALL PLANT MATERIAL PRIOR TO INSTALLATION.
12. AFTER BEING DUG AT THE NURSERY SOURCE, ALL TREES IN LEAF SHALL BE ACCLIMATED FOR TWO (2) WEEKS UNDER A MIST SYSTEM PRIOR TO INSTALLATION.
13. ANY PLANT MATERIAL WHICH DIES, TURNS BROWN OR DEFOLIATES (PRIOR TO TOTAL ACCEPTANCE OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE & REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS.
14. STANDARDS SET FORTH IN 'AMERICAN STANDARDS FOR NURSERY STOCK' REPRESENT GUIDELINE SPECIFICATIONS AND CONSTITUTE MINIMUM QUALITY REQUIREMENTS OF THE PLANT MATERIAL FOR THIS PROJECT.
15. FOR TREE PLANTING REFER TO DETAILS (A LS-8) (C LS-8)
16. FOR TREE ON SLOPE PLANTING REFER TO DETAILS (B LS-8) (E LS-8)
17. FOR EVERGREEN TREE PLANTING REFER TO DETAILS (F LS-8) (G LS-8)
18. FOR PINES ON SLOPE PLANTING REFER TO DETAILS (J LS-8)
19. FOR MULTI-TRUNK TREE PLANTING REFER TO DETAILS (H LS-8) (I LS-8)
20. FOR HEDGE PLANTING REFER TO DETAILS (K LS-8) (L LS-8)
21. FOR SHRUB PLANTING REFER TO DETAILS (O LS-8) (A LS-9)
22. FOR GROUNDCOVER PLANTING REFER TO DETAILS (M LS-8) (B LS-9)
23. FOR ANNUAL COLOR OR PERENNIAL PLANTING REFER TO DETAILS (N LS-8) (P LS-8)

PLANTING LIST

BASE BID PLANT LIST

QTY.	COMMON NAME	BOTANICAL NAME	CAL.	HGT.	SPD.	ROOT	COMMENT
TREES							
20	Autumn Blaze Maple	Acer x freemanii 'Autumn Blaze'	3 ½" to 4"	16-18'	8-9'	B&B	Straight trunk; dense, uniform branching; matched
21	Imperial Honeylocust	Gleditsia triacanthos 'Imperial'	3 ½" to 4"	14-16'	7-8'	B&B	Straight trunk; branching begins above 6'
20	Bloodgood London Planetree	Platanus x acerifolia 'Bloodgood'	4" to 4 ½"	20-22'	9-10'	B&B	Straight trunk; branching begins above 6'
1	Bur Oak	Quercus macrocarpa	2 ½" to 3"	12-14'	6-7'	B&B	Straight trunk; dense, uniform branching; matched
6	Western Soapberry	Sapindus drummondii	2 ½" to 3"	10-12'	5-6'	B&B	Single trunk to 3'; dense branching; balanced head
3	Princeton Elm	Ulmus americana 'Princeton'	3" to 3 ½"	16-18'	7-8'	B&B	Single trunk; branching begins above 6'
3	Flame Amur Maple	Acer ginnala 'Flame'		8-10'	6-7'	B&B	Multi-trunk (3-5 trunk); dense, uniform branching
4	Eastern Redbud	Cercis canadensis	3" to 3 ½"	12-14'	6-7'	B&B	Single trunk; branching begins at 3'; balanced head
3	Thornless Cockspur Hawthorn	Crataegus crusgalli v. inermuis		9-10'	5-6'	B&B	Multi-trunk or low branching standard; dense branching
9	Snowdrift Crabapple	Malus x 'Snowdrift'	2 ½" to 3"	9-10'	6-7'	B&B	Single trunk; branching begins at 4'; balanced head
31	Canaert Red Cedar	Juniperus virginiana 'Canaertii'		3-4'	18-24'	B&B/cont.	Full to ground; dense foliage; straight, pyramidal form
4	Scotch Pine	Pinus Sylvestris		4-5'	30-36"	B&B	Branched to ground; dense foliage; straight, pyramidal form
SHRUBS							
1,063	Crimson Pygmy Barberry	'Berberis thunbergii v. atropurpurea 'Crimson'		12-15"	12-15"	2 gal.	Dense branching; well rooted in pot; self supporting stems
18	Pink Delight Butterfly-bush	'Buddleia davidii 'Pink Delight'		24-30"	18-24"	5 gal.	Dense branching; well rooted in pot; self supporting stems
23	Blue Mist Blue-spirea	'Caryopteris x clandonensis' 'Blue Mist'		12-15"	15-18"	3 gal.	Dense branching; well rooted in pot; self supporting stems
131	Dwarf Burning Bush	'Euonymus alatus 'Compactus'		24-30"	18-24"	B&B	Full to ground; dense branching; self supporting, sturdy stems
18	Hildcote St. Johnswort	'Hypericum patulum 'Hidcote'				1 gal.	3 stems min.; dense branching; self-supporting, sturdy stems
36	Gro-low Sumac	'Rhus aromatica 'Gro-low'		15-18"	18-24"	3 gal.	Dense branching; well rooted in pot; self supporting stems
11	Cutleaf Staghorn Sumac	'Rhus typhina 'laciniata		18-24"		3 gal.	Dense branching; well rooted in pot; self supporting stems
48	Nearly Wild Rose	'Rosa polyantha 'Nearly Wild'				3 gal.	Full to ground; dense branching; self supporting, sturdy stems
10	Anthony Waterer Spirea	'Spiraea x bumalda 'Anthony Waterer'		12-15"	12-15"	3 gal.	Dense branching; well rooted in pot; self supporting stems
93	Compact European Cranberrybush	'Viburnum opulus 'Compactum'		18-24"	18-24"	B&B	3 stems min.; dense branching; self-supporting, sturdy stems
20	Robusta Green Juniper	'Juniperus chinensis 'Robusta Green'		4-5'	18-24"	7 gal.	Dense form; good color; well rooted in pot
16	Oregon Grape Holly	'Mahonia aquifolium		18-24"	15-18"	3 gal.	Dense form; good color; well rooted in pot
5	Mugo Pine	'Pinus mugo v. mugo		2f-24"	24-30"	B&B/cont.	Full to ground; dense branching
99	Blue Sargent's Juniper	'Juniperus chinensis 'Sargentii Glauca'		9-12"	12-15"	3 gal.	All plants from one source; healthy color; uniform branching
83	Bar Harbor Juniper	'Juniperus Horizontalis 'Bar Harbor'		6-9"	15-18"	2 gal.	All plants from one source; healthy color; uniform branching
GROUND COVER							
4,271	Purple Wintercreeper	'Euonymus fortunei 'Coloratus'			9-12"	4" pot (1 pint)	Full in pot; 3 runners min.; each 6" min. in length
569	English Ivy	'Hedera helix				1 gal.	Full in pot; 5 runners min.; each 6" min. in length
100	Red Baron Japanese Blood Grass	'Imperata cylindrica'Red Baron'				1 gal.	Full in pot; well rooted; dense clump
240	Malden Grass	'Miscanthus sinensis 'Gracillimus'				3 gal.	Full in pot; well rooted; dense clump
94	Fountain Grass	'Pennisetum alopecuroides				2 gal.	Full in pot; well rooted; dense clump
500	Sunray Coreopsis	'Coreopsis grandiflora 'Sunray'				1 gal.	Well rooted in pot; dense compact growth
500	Purple Coneflower	'Echinacea purpurea				1 gal.	Well rooted in pot; dense compact growth
500	Goblin Blanket Flower	'Gaillardia x grandiflora 'Goblin'				1 gal.	Well rooted in pot; dense compact growth
500	Kobold Gayfeather	'Liatris spicata 'Kobold'				1 gal.	Well rooted in pot; dense compact growth
500	Goldstrum Black-Eyed Susan	'Rudbeckia fulgida 'Goldstrum'				1 gal.	Well rooted in pot; dense compact growth
51	Rosy Glow Sedum	'Sedum x 'Rosy Glow'				1 gal.	Well rooted in pot; dense compact growth
1,040	Seasonal Color					4" pot (1 pint)	Full in pot; free of rot & disease
LAWN							
11,000s.f.	Comanche Buffalo Grass	'Buchloe dactyloides 'Comanche'				Seed	Certified pure; free of weed seed
32,700s.f.	Cheyenne Bermuda Grass	'Cynadon dactylon 'Cheyenne'				Seed	Certified pure; free of weed seed
100,000s.f.	Fescue Grass	'Festuca arundinacea				Sod	Certified pure; free of weeds; good color

ADD ALTERNATE NO. 1 PLANT LIST

QTY.	COMMON NAME	BOTANICAL NAME	CAL.	HGT.	SPD.	ROOT	COMMENT
TREES							
12	Shumard Oak	Quercus shumardii	4" to 4 ½"	18-20'	9-10'	B&B	Straight trunk; dense, uniform branching; matched
29	Western Soapberry	Sapindus drummondii	2 ½" to 3"	10-12'	5-6'	B&B	Single trunk to 3'; dense branching; balanced head
1	Princeton Elm	Ulmus americana 'Princeton'	3" to 3 ½"	16-18'	7-8'	B&B	Single trunk; branching begins above 6'
14	Japanese Flowering Crabapple	Malus floribunda	2 ½" to 3"	9-10'	6-7'	B&B	Single trunk; branching begins at 4'; balanced head
9	Snowdrift Crabapple	Malus x 'Snowdrift'	2 ½" to 3"	9-10'	6-7'	B&B	Single trunk; branching begins at 4'; balanced head
27	Canaert Red Cedar	Juniperus virginiana 'Canaertii'		3-4'	18-24'	B&B/cont.	Full to ground; dense foliage; straight, pyramidal form
296	Scotch Pine	Pinus Sylvestris		6-7'	3-4'	B&B	Branched to ground; dense foliage; straight, pyramidal form

ADD ALTERNATE NO. 8 PLANT LIST

QTY.	COMMON NAME	BOTANICAL NAME	CAL.	HGT.	SPD.	ROOT	COMMENT
TREES							
18	Autumn Gold Ginkgo	Ginkgo biloba 'Autumn Gold'	4" to 4 ½"	18-20'	9-10'	B&B	Straight trunk; dense, uniform branching; matched
8	Shumard Oak	Quercus shumardii	4" to 4 ½"	18-20'	9-10'	B&B	Straight trunk; dense, uniform branching; matched
15	Japanese Flowering Crabapple	Malus floribunda	2 ½" to 3"	9-10'	6-7'	B&B	Single trunk; branching begins at 4'; balanced head
11	Austrian Pine	Pinus Nigra		9-10'	4-5'	B&B	Branched to ground; dense foliage; straight, pyramidal form

REVISIONS

NO.	ISSUE	DATE

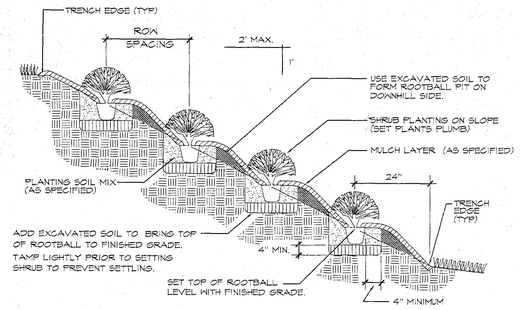
WICHITA WATERWALK

WICHITA, KANSAS

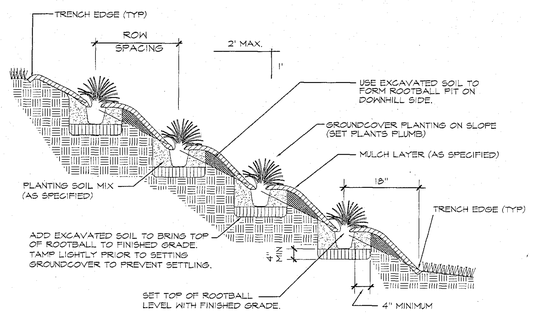
HUGHES GOOD O'LEARY & RYAN
INCORPORATED
LANDSCAPE ARCHITECTURE
PLANNING
URBAN DESIGN
ENVIRONMENTAL ASSESSMENT
1708 PEACHTREE ST., SUITE 444
ATLANTA, GA. 30309
PHONE 404 876-7726
FAX 404 876-6858

LANDSCAPE DEVELOPMENT DETAILS

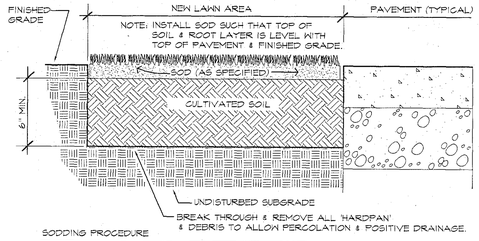
DATE	JOB NO.
10-30-96	95013
DRAWN	CHECKED
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SCALE	
AS SHOWN	95013LD2
SHEET	
LS-9	
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A LS-9 SHRUB PLANTING ON SLOPE
N.T.S. LD31



B LS-9 GROUNDCOVER PLANTING ON SLOPE
N.T.S. LD18



SODDING PROCEDURE

1. THE GENERAL CONTRACTOR WILL PROVIDE GRADES TO (+/- .20) OF A FOOT OF PROPOSED GRADES.
2. CULTIVATE ENTIRE AREA TO A MINIMUM 6" DEPTH. HANDRAKE SMOOTH.
3. ADD ADDITIVES (AS PER SOIL TEST ANALYSIS) & ROTOTILL.
4. WATER AREA TO BE SODDED PRIOR TO LAYING SOD.
5. LAY & ROLL SOD. WATER THOROUGHLY.

C LS-9 SOD INSTALLATION
N.T.S. LD19

ANNUAL COLOR AND PERENNIAL PLANTING NOTES:

1. EXCAVATE BED TO A DEPTH OF 4 INCHES. REMOVE EXISTING SOIL FROM SITE. BREAK THROUGH "HARDPAN" AND REMOVE ALL STONE, ROOTS, DEBRIS, ETC.. ROTOTILL EXCAVATED BED AN ADDITIONAL 6-8 INCHES IN DEPTH.
2. SLOPE THE BASE OF THE BED TO THE TRENCH EDGE.
3. PREPARE PLANTING SOIL MIX CONSISTING OF TOPSOIL AND THE FOLLOWING SOIL AMENDMENTS BY VOLUME. REFER TO SPECIFICATION SECTION 02900 FOR TOPSOIL REQUIREMENTS.
   - 40% TOPSOIL (AS SPECIFIED)
   - 25% HUMUS
   - 15% FINE BARK MULCH (FINGERNAIL SIZED CHIPS - 1/4 INCH MAX.)
   - 10% "NATURE'S HELPER"
   - 5% STERILIZED COMPOSTED COW MANURE
   - 5% SAND (ANGULAR BUILDERS SAND)
   - LIME AT A RATE OF 5 LBS. PER 50 SQ. FEET (ADJUST FOR ALKALINE SOILS)
4. ADD 6 INCHES OF PLANTING SOIL TO EXCAVATE BED & ROTOTILL INTO EXISTING SOIL.
5. PLACE ADDITIONAL PLANTING SOIL MIX TO RAISE ENTIRE BED 6 INCHES ABOVE FINISHED GRADE FOR SEASONAL COLOR AND 4 INCHES FOR PERENNIALS. IF SEASONAL BED FRONTS A SHRUB OR GROUNDCOVER BED, MATCH THAT BED'S HEIGHT & CONTINUE POSITIVE SLOPE TOWARD TRENCH EDGE.
6. ROTOTILL ENTIRE BED TO A DEPTH OF 12 INCHES +/-.
7. EVENLY SPREAD FERTILIZER APPROPRIATE TO A VARIETY OF SEASONAL COLOR AT A MAXIMUM RATE OF 2.5 LBS. PER 100 SQ. FEET AND RAKE INTO TOP 3 INCHES OF SOIL.
8. PLANT SEASONAL COLOR AS SPECIFIED AND AT INDICATED SPACING SHOWN ON PLANS.
9. EDGE SEASONAL COLOR BED AND MULCH AS SPECIFIED.
10. WATER THOROUGHLY.

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     1 PART SHREDDED PINE BARK (BARK PIECES BETWEEN 1/2 INCH AND 2 INCHES IN LENGHT)
   - COMMERCIAL FERTILIZER AS RECOMMENDED IN SOIL REPORT.
   - LIME AS RECOMMENDED IN SOIL REPORT.

GENERAL PLANTING NOTES:

1. ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS & DISEASES.
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16. FOR TREE ON SLOPE PLANTING REFER TO DETAILS B LS-8, E LS-8
17. FOR EVERGREEN TREE PLANTING REFER TO DETAILS F LS-8, G LS-8
18. FOR PINES ON SLOPE PLANTING REFER TO DETAILS J LS-8
19. FOR MULTI-TRUNK TREE PLANTING REFER TO DETAILS H LS-8, I LS-8
20. FOR HEDGE PLANTING REFER TO DETAILS K LS-8, L LS-8
21. FOR SHRUB PLANTING REFER TO DETAILS O LS-8, A LS-9
22. FOR GROUNDCOVER PLANTING REFER TO DETAILS M LS-8, B LS-9
23. FOR ANNUAL COLOR OR PERENNIAL PLANTING REFER TO DETAILS N LS-8, P LS-8

PLANTING LIST

BASE BID PLANT LIST

QTY.	COMMON NAME	BOTANICAL NAME	CAL.	HGT.	SPD.	ROOT	COMMENT
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3	Thornless Cockspur Hawthorn	Crataegus crusgalli v. inermuis		9-10'	5-6'	B&B	Multi-trunk or low branching standard; dense branching
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4	Scotch Pine	Pinus Sylvestris		4-5'	30-36"	B&B	Branched to ground; dense foliage; straight, pyramidal form
SHRUBS							
1,063	Crimson Pygmy Barberry	Berberis thunbergii v. atropurpurea 'Crimson'		12-15"	12-15"	2 gal.	Dense branching; well rooted in pot; self supporting stems
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23	Blue Mist Blue-spirea	Caryopteris x clandonensis 'Blue Mist'		12-15"	15-18"	3 gal.	Dense branching; well rooted in pot; self supporting stems
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48	Nearly Wild Rose	Rosa polyantha 'Nearly Wild'				3 gal.	Full to ground; dense branching; self supporting, sturdy stems
10	Anthony Waterer Spirea	Spiraea x bumalda 'Anthony Waterer'		12-15"	12-15"	3 gal.	Dense branching; well rooted in pot; self supporting stems
93	Compact European Cranberrybush	Viburnum opulus 'Compactum'		18-24"	18-24"	B&B	3 stems min.; dense branching; self-supporting, sturdy stems
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18	Oregon Grape Holly	Mahonia aquifolium		18-24"	15-18"	3 gal.	Dense form; good color; well rooted in pot
5	Mugo Pine	Pinus mugo v. mugo		21-24"	24-30"	B&B/cont.	Full to ground; dense branching
99	Blue Sargent's Juniper	Juniperus chinensis 'Sargentii Glauca'		9-12"	12-15"	3 gal.	All plants from one source; healthy color; uniform branching
83	Bar Harbor Juniper	Juniperus Horizontalis 'Bar Harbor'		6-9"	15-18"	2 gal.	All plants from one source; healthy color; uniform branching
GROUND COVER							
4,271	Purple Wintercreeper	Euonymus fortunei 'Coloratus'			9-12"	4" pot (1 pint)	Full in pot; 3 runners min.; each 8" min. in length
569	English Ivy	Hedera helix				1 gal.	Full in pot; 5 runners min.; each 6" min. in length
100	Red Baron Japanese Blood Grass	Imperata cylindrica'Red Baron'				1 gal.	Full in pot; well rooted; dense clump
240	Maiden Grass	Miscanthus sinensis 'Gracillimus'				3 gal.	Full in pot; well rooted; dense clump
94	Fountain Grass	Pennisetum alopecuroides				2 gal.	Full in pot; well rooted; dense clump
500	Sunray Coreopsis	Coreopsis grandiflora 'Sunray'				1 gal.	Well rooted in pot; dense compact growth
500	Purple Coneflower	Echinacea purpurea				1 gal.	Well rooted in pot; dense compact growth
500	Goblin Blanket Flower	Gaillardia x grandiflora 'Goblin'				1 gal.	Well rooted in pot; dense compact growth
500	Kobold Gayfeather	Liatris spicata 'Kobold'				1 gal.	Well rooted in pot; dense compact growth
500	Goldstrum Black-Eyed Susan	Rudbeckia fulgida 'Goldstrum'				1 gal.	Well rooted in pot; dense compact growth
51	Rosy Glow Sedum	Sedum x 'Rosy Glow'				1 gal.	Well rooted in pot; dense compact growth
1,040	Seasonal Color					4" pot (1 pint)	Full in pot; free of rot & disease
LAWN							
11,000s.f.	Comanche Buffalo Grass	Buchloe dactyloides 'Comanche'				Seed	Certified pure; free of weed seed
32,700s.f.	Cheyenne Bermuda Grass	Cynadon dactylon 'Cheyenne'				Seed	Certified pure; free of weed seed
100,000s.f.	Fescue Grass	Festuca arundinacea				Sod	Certified pure; free of weeds; good color

ADD ALTERNATE NO. 1 PLANT LIST

QTY.	COMMON NAME	BOTANICAL NAME	CAL.	HGT.	SPD.	ROOT	COMMENT
TREES							
12	Shumard Oak	Quercus shumardii	4" to 4 ½"	18-20'	9-10'	B&B	Straight trunk; dense, uniform branching; matched
29	Western Soapberry	Sapindus drummondii	2 ½" to 3'	10-12'	5-6'	B&B	Single trunk to 3'; dense branching; balanced head
1	Princeton Elm	Ulmus americana 'Princeton'	3" to 3 ½"	16-18'	7-8'	B&B	Single trunk; branching begins above 6'
14	Japanese Flowering Crabapple	Malus floribunda	2 ½" to 3"	9-10'	6-7'	B&B	Single trunk; branching begins at 4'; balanced head
9	Snowdrift Crabapple	Malus x 'Snowdrift'	2 ½" to 3"	9-10'	6-7'	B&B	Single trunk; branching begins at 4'; balanced head
27	Canaert Red Cedar	Juniperus virginiana 'Canaerti'		3-4'	18-24'	B&B/cont.	Full to ground; dense foliage; straight, pyramidal form
296	Scotch Pine	Pinus Sylvestris		6-7'	3-4'	B&B	Branched to ground; dense foliage; straight, pyramidal form

ADD ALTERNATE NO. 8 PLANT LIST

QTY.	COMMON NAME	BOTANICAL NAME	CAL.	HGT.	SPD.	ROOT	COMMENT
TREES							
18	Autumn Gold Ginkgo	Ginkgo biloba 'Autumn Gold'	4" to 4 ½"	18-20'	9-10'	B&B	Straight trunk; dense, uniform branching; matched
8	Shumard Oak	Quercus shumardii	4" to 4 ½"	18-20'	9-10'	B&B	Straight trunk; dense, uniform branching; matched
15	Japanese Flowering Crabapple	Malus floribunda	2 ½" to 3"	9-10'	6-7'	B&B	Single trunk; branching begins at 4'; balanced head
11	Austrian Pine	Pinus Nigra		9-10'	4-5'	B&B	Branched to ground; dense foliage; straight, pyramidal form

REVISIONS

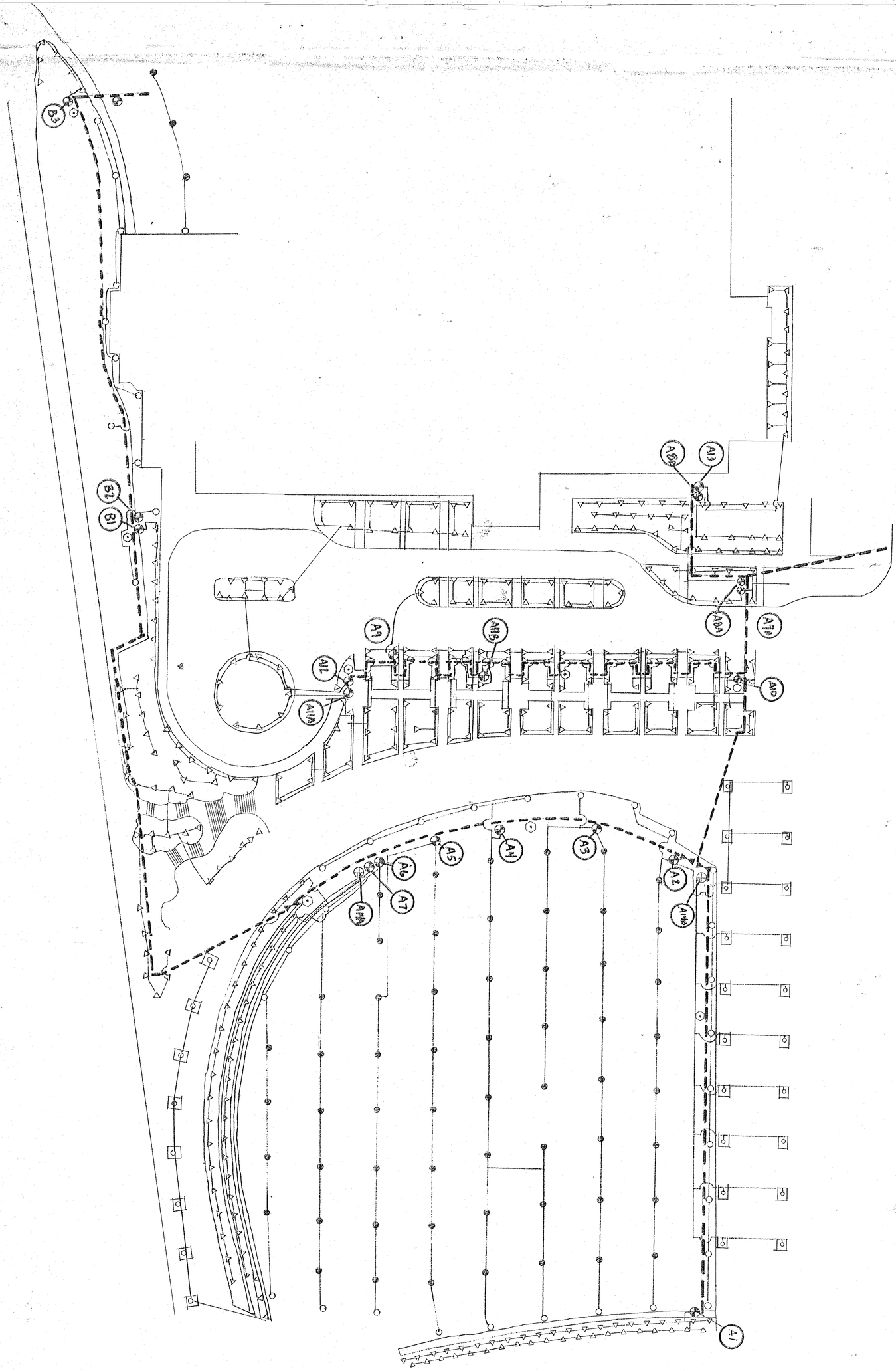
NO.	ISSUE	DATE

WICHITA WATERWALK
WICHITA, KANSAS

HUGHES GOOD O'LEARY & RYAN
INCORPORATED
LANDSCAPE ARCHITECTURE
PLANNING
URBAN DESIGN
ENVIRONMENTAL ASSESSMENT
1708 PEACHTREE ST., SUITE 444
ATLANTA, GA. 30309
PHONE 404 876-7726
FAX 404 876-6858

LANDSCAPE DEVELOPMENT DETAILS

DATE	JOB NO.
10-30-96	9501B
DRAWN	CHECKED
LTN	
SCALE	
AS SHOWN	9501BLD2
SHEET	
LS-9	
OF	



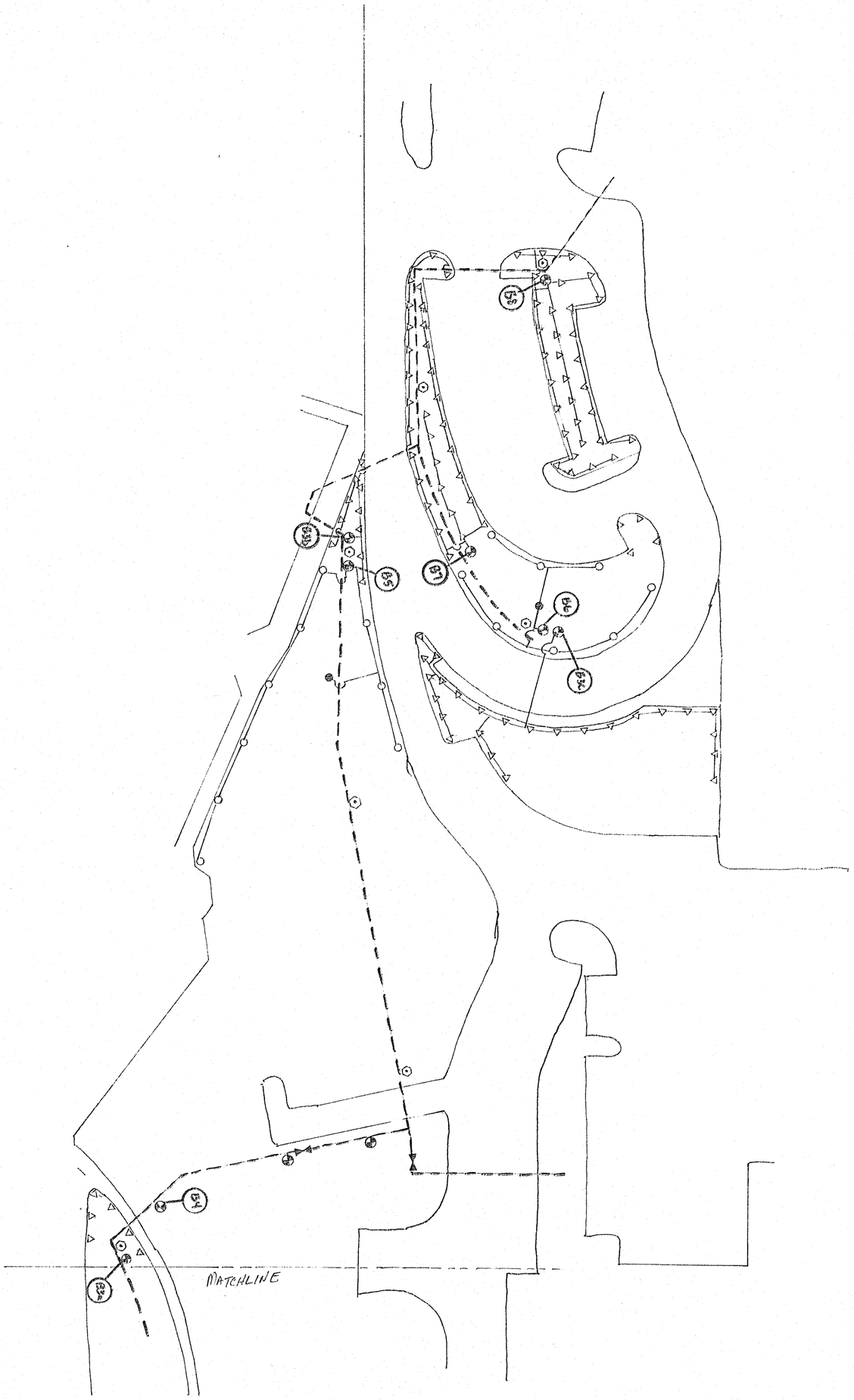
IRRIGATION SYSTEM

SCALE: 1" = 30'-0"

WICHITA WATER WALK

IRRIGATION SYSTEM

SCALE: 1" = 30'-0"



WICHITA WATER WALK

THESE EXISTING SYSTEMS WILL BE IMPACTED.
THE IRRIGATION CONTRACTOR SHALL LOCATE
THE DISTURBED AREAS AND SUBMIT A CHANGE ORDER
TO REPAIR AND RECONFIGURE THE EXISTING SYSTEMS TO MATCH
SITE DEVELOPMENT CHANGES. WHERE REQUIRED.
THE PROPOSED SITE IRRIGATION WILL TAKE PRECEDENCE
OVER ANY IRRIGATION THAT HAD BEEN EXISTING PRIOR
TO THE SITE DEMOLITION.

EXPO HALL

B13A POINT OF CONNECTION FOR PINE GROVE DRIP SYSTEM GPM 6 SIZE 3/4"

PROVIDE WATER AND WIRES TO EXISTING THREE VALVES

Valve B-8 ?

PROVIDE 7 (SEVEN) RED AND 1 (ONE) WHITE 14AWG FOR FUTURE

B3C GPM 50 SIZE 2"

B6A GPM 18 SIZE 1"

B7 GPM 68 SIZE 2"

B3B GPM 17 SIZE 1"

B5 GPM 36 SIZE 1 1/2"

B13B POINT OF CONNECTION FOR PINE GROVE DRIP SYSTEM GPM 9 SIZE 1"

EXISTING ENERGY PLANT

B

CONCRETE RAMP

CONCRETE APRON

TRANSFORMER PAD 112.5

B11 GPM 37 SIZE 1 1/2"

B12 GPM 39 SIZE 1 1/2"

B9 GPM 53 SIZE 1 1/2"

B10 GPM 49 SIZE 1 1/2"

Work to be done by City.

B8B GPM 27 SIZE 1"

120 VAC - 15 AMP CIRCUIT TO IRRIGATION CONTROLLER "B" (BY OTHERS) VERIFY LOCATION

B8A GPM 45 SIZE 1 1/2"

B13C POINT OF CONNECTION FOR PINE GROVE DRIP SYSTEM GPM 25 SIZE 1"

B4 GPM 60 SIZE 2"

B3A GPM 15 SIZE 1"

MATCH

MATCHLINE IR-2

DOUGLAS STREET

YELLOW HI-LITE MEANS DELETE

Revised 5/30/97

A IR-1 IRRIGATION DEVELOPMENT PLAN
SCALE: 1" = 30'-0"

REVISIONS

NO.	ISSUE	DATE

WICHITA WATER WALK

WICHITA, KANSAS
CITY OF WICHITA

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IRRIGATION DEVELOPMENT PLAN

DATE	JOB NO.
10-30-96	95013
DRAWN	CHECKED
FGH	
SCALE	
1"=30'-0"	95013LC1
SHEET	
IR-1	
OF	

IRRIGATION CONTROLLER, METER, AND BACKFLOW PREVENTER BY OTHERS AS PART OF WATERMAN STREETSCAPE

A CONSTRUCTION. COORDINATE WAER SUPPLY TO P.O.C. WITH CITY ENGINEER.

Drawing IR-2: This sheet has a note that reads "Irrigation controller, meter and backflow preventer by others as part of the Waterman streetscape construction. Coordinate water supply to P.O.C. with City Engineer." This note needs to be modified to indicate the controller is part of this project and it is to be located on the south side of the parking deck. Exact location will be coordinated with the hotel Architect. ASSEN #1

3" MAINLINE FROM STREETSCAPE

P.O.C.

MATCHLINE IR-1

NOTE: DESIGN OF PARKING DECK TO BE FINALIZED BY COOPER CARRY AND ASSOCIATES

ASPHALT PAVING

TRANSFORMER PAD

WICHITA HYATT

WICHITA STREET

LEWS STREET

BOAT HOUSE

ARKANSAS RIVER

	GPM	SIZE
A11	99	11/2"
A14A	24	1"
A21	84	2"
A22A	5	1"
A13	15	1"
A12A	21	1"
A22B	18	1"
A14B	14	1"
A12B	24	1"
A22C	9	1"
A15	84	2"
A23B	21	1"
A1B	56	11/2"
A16	87	2"
A17	84	2"
A18	90	2"
A19	90	2"
A20	66	2"
A23C	12	1"
B1	46	11/2"
B2	66	2"
B4	60	2"
B3A	13	1"

A IRR-2 IRRIGATION DEVELOPMENT PLAN

SCALE: 1" = 30'-0"

REVISIONS

NO.	ISSUE	DATE

WICHITA WATER WALK

WICHITA, KANSAS

CITY OF WICHITA

HUGHES GOOD O'LEARY & RYAN

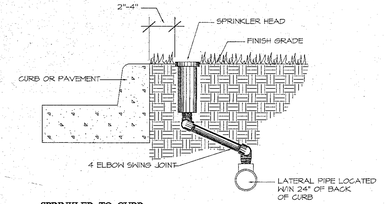
INCORPORATED

LANDSCAPE ARCHITECTURE
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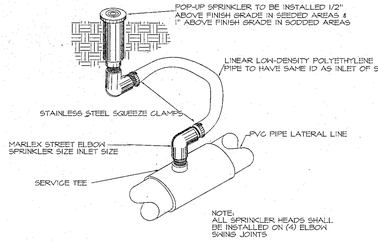
IRRIGATION DEVELOPMENT PLAN

DATE	JOB NO.
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DRAWN	CHECKED
FGH	
SCALE	
1"=30'-0"	95013LC1
SHEET	
IR-2	
OF	



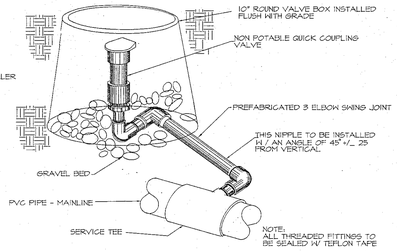
SPRINKLER TO CURB

N.T.S.



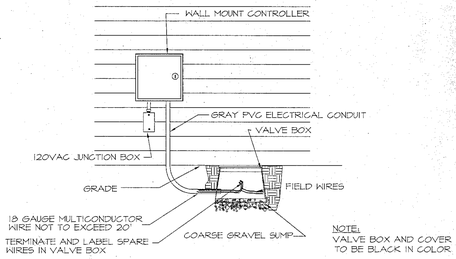
POP-UP SPRINKLER

N.T.S.



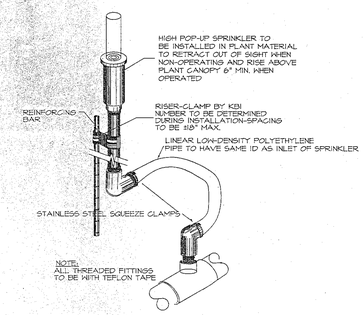
QUICK COUPLING VALVE DETAIL

N.T.S.



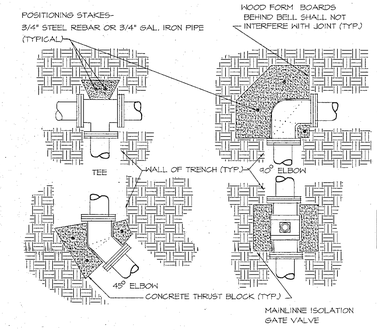
CONTROLLER SPLICE BOX DETAIL

N.T.S.



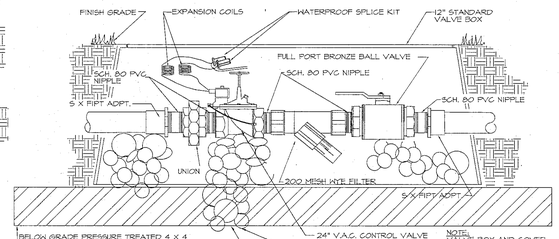
ELEVATED POP-UP SPRINKLER

N.T.S.



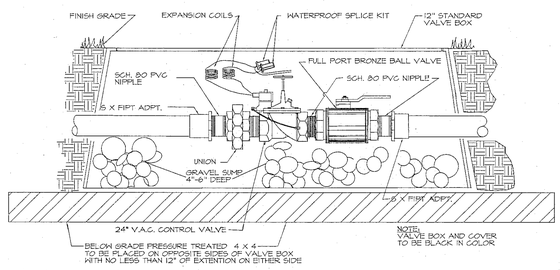
CONCRETE THRUST BLOCK DETAIL

N.T.S.



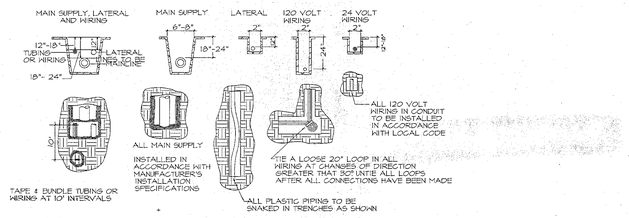
AUTOMATIC DRIP VALVE ASSEMBLY DETAIL

N.T.S.



AUTOMATIC VALVE ASSEMBLY DETAIL

N.T.S.

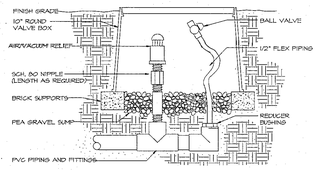


TYPICAL TRENCHING

N.T.S.

SPACING AND DEPTH OF COVER

NTS



AIR VACUUM FLUSH VALVE DETAIL

(PLUMBED TO PVC) NTS

SITE IRRIGATION NOTES

1. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THERE ARE OTHER ACTIVE UTILITIES AND SERVICES IN AND AROUND THE SITE. CONTRACTOR IS RESPONSIBLE FOR LOCATING THESE TO AVOID DAMAGE TO THEM.
2. THE CONTRACTOR SHALL MAKE ANY NECESSARY ADJUSTMENTS IN THE PROPOSED IRRIGATION SYSTEM TO AVOID DAMAGE TO EXISTING STRUCTURES, PAVING AND UTILITIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMING TO ALL CODES AND ORDINANCES RELEVANT TO THE WORK UNDER THIS CONTRACT.
4. ALL WORK, ADJUSTMENTS, AND INSPECTIONS SHALL BE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ON-SITE UTILITIES, STRUCTURES, OR PAVING RESULTING FROM IRRIGATION CONSTRUCTION.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS AND LABOR TO FULLY EXECUTE AND GUARANTEE AS REQUIRED. THE TOTAL WORK SHOWN ON THIS PLAN IN ACCORDANCE WITH SPECIFICATIONS, AND ALSO AS PER INSTRUCTIONS OF THE LANDSCAPE ARCHITECT AND THE OWNER.
7. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES TO ASSURE ADEQUATE INSTALLATION OF THE SYSTEM.
8. THE LOCATION OF THE AUTOMATIC CONTROL CLOCK IS GENERALLY INDICATED ON THE DRAWING AND WILL BE SPECIFICALLY LOCATED ON-SITE BY THE LANDSCAPE ARCHITECT OR THE OWNER.
9. LINE LOCATIONS AS INDICATED ON THE PLAN ARE SCHEMATIC. THE CONTRACTOR SHALL LOCATE ALL LINES IN SUCH A WAY AS TO CAUSE THE LEAST CONFLICT WITH THE LOCATION OF PROPOSED PLANT MATERIAL (AS SHOWN ON THE LANDSCAPE DEVELOPMENT PLAN) AND OTHER SITE AMENITIES.
10. ALL MAIN LINES SHALL BE INSTALLED A MAXIMUM OF 2' FROM THE BACK OF CURB WHERE POSSIBLE. LATERAL LINES SHALL BE INSTALLED LIKEWISE WHERE POSSIBLE.
11. THE CONTRACTOR SHALL ADJUST THE RADIUS AND ARC OF EACH HEAD TO MINIMIZE "OVERTHROW" AND TO ELIMINATE DRY SPOTS.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUPPLY AND INSTALLATION OF ADDITIONAL HEADS TO COVER "DRY SPOTS" OR SLIGHT VARIATIONS FROM THE PLAN TO THE SITE. THE LOCATION AND ARRANGEMENT OF THESE HEADS SHALL BE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT.
13. THE ELECTRIC SUPPLY WILL BE STUBBED OUT AT THE CONTROL CLOCK LOCATION BY OTHERS. THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL CONNECTIONS FROM CONTROL VALVES TO THE CONTROL CLOCK.
14. THE ENTIRE SYSTEM SHALL BE UNCONDITIONALLY GUARANTEED BY THE IRRIGATION CONTRACTOR AGAINST ALL DEFECTIVE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FOLLOWING THE DATE OF FINAL ACCEPTANCE.
15. THE CONTRACTOR SHALL BE RESPONSIBLE AT TIME OF COMPLETION OF PROVIDING "AS BUILT" DRAWINGS, TO INCLUDE LOCATIONS OF ALL VALVES (AUTOMATIC AND MANUAL), QUICK COUPLERS, FIELD WIRE SPLICES, WITH TRIANGULATED MEASUREMENTS TO EACH, AS WELL AS ANY DEVIATIONS IN LOCATION OF PIPING AND HEADS REPRESENTED AS REPRESENTED BY THE CONTRACT DOCUMENTS
16. IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO HAVE ALL PLANTING AREAS FLAGGED BY THE LANDSCAPE ARCHITECT OR LANDSCAPE CONTRACTOR PRIOR TO INSTALLATION.
17. ALL VALVE BOXES ARE TO BE LOCATED IN PLANT BED OR NATURAL AREAS WHENEVER POSSIBLE. EXCEPTIONS WILL BE ALLOWED IF THERE IS NO SUCH AREA WITHIN A 40' RADIUS OF THE DESIGNATED CONTROL VALVE LOCATION.
18. EACH CONTROL CLOCK HAS STATIONS THAT ARE NOT BEING UTILIZED. FOR EVERY VACANT STATION, THERE IS TO WILL BE A FIELD WIRE INSTALLED TO THE FURTHEST (2) TWO CONTROL VALVES, DIAMETRICALY OPPOSED, FROM THE CONTROL CLOCK PLUS ONE SPARE (YELLOW) WIRE IS TO BE INSTALLED IN CASE OF A FAULTY WIRE.

CONTROLLER "A" VALVE CHART

	STATION	GPM	VALVE SIZE	HEAD TYPE
STREET SCAPE	A1AB	45, 56	1 1/2", 1 1/2"	SPRAY
"	A2	60	2"	SPRAY
"	A3	55	1 1/2"	SPRAY
"	A4	62	2"	SPRAY
"	A5	56	1 1/2"	SPRAY
"	A6AB	48,48	1 1/2", 1 1/2"	HP-SPRAY
"	A7AB	48,42	1 1/2", 1 1/2"	SPRAY
"	A8ABCD	26,25,28,15	1",1",1",1"	SPRAY
"	A9ABCD	20,18,34,22	1",1",1 1/2",1"	SPRAY
STREET SCAPE	A10	20	1"	HP-SPRAY
	A11	34	1 1/2"	SPRAY
	A12AB	21, 24	1", 1"	HP-SPRAY
	A13	13	1"	HP-SPRAY
	A14AB	24, 14	1", 1"	HP-SPRAY
	A15	84	2"	ROTOR
	A16	87	2"	ROTOR
	A17	84	2"	ROTOR
	A18	90	2"	ROTOR
	A19	90	2"	ROTOR
	A20	66	2"	SPRAY
	A21	84	2"	HP-SPRAY
	A22ABC	3, 18, 9	1", 1", 1"	HP-SPRAY COLOR
	A23ABC	15, 21, 12	1", 1", 1"	DRIP

CONTROLLER "B" VALVE CHART

STATION	GPM	VALVE SIZE	HEAD TYPE
B1	46	1 1/2"	HP-SPRAY
B2	66	2"	ROTOR
B3ABC	15, 17, 36	1", 1", 1 1/2"	SPRAY
B4	60	2"	ROTOR
B5	63	2"	ROTOR
B6	18	1"	ROTOR
B7	68	2"	SPRAY
B8			
B9			
B10			
B11			
B12			
B13			
B14			
B15			
B16			
B17			
B18			
B19			
B20			
B21			
B22			
B23			

CONTROLLER "A" STATIONS ONE (1) THROUGH TEN (10) ARE SHOWN ON THE STREET SCAPE IRRIGATION DEVELOPMENT PLANS, WITH THE EXPECTION OF VALVE # A1B. DRIP VALVE A23A IS SHOWN ON STREET SCAPE PLANS.

MATERIAL LIST

QUANTITY	SYMBOL	DESCRIPTION
1	A	23 (MIN.) STATION AUTOMATIC CONTROLLER
1	B	18 (MIN.) STATION AUTOMATIC CONTROLLER
13		1" AUTOMATIC BRASS CONTROL VALVE ASSEMBLY
3		1 1/2" AUTOMATIC BRASS CONTROL VALVE ASSEMBLY
11		2" AUTOMATIC BRASS CONTROL VALVE ASSEMBLY
2		1" AUTOMATIC DRIP CONTROL VALVE ASSEMBLY
105	△	6" POP UP SPRAY WITH STANDARD (15') NOZZLE
115	◬	6" POP UP SPRAY WITH LOW GALLON OR STRIP NOZZLE
172	▲	12" POP UP SPRAY WITH LOW GALLON NOZZLE
94	◭	12" POP UP SPRAY WITH STRIP OR LOW ANGLE NOZZLE
84	○	POP UP ADJUSTABLE PART CIRCLE ROTOR WITH 3 GPM LOW ANGLE NOZZLE
67	◍	POP UP FULL CIRCLE ROTOR WITH 6 GPM LOW ANGLE NOZZLE
900 LF	◎	1 GPM @ 12" OC IN LINE DRIP TUBING (DOUBLE RING @ EACH TREE)
2860 LF	——	CLASS 200 PVC MAINLINE 100') 1", 300')1 1/2", 460')2", 1560')2 1/2", 640')3"
28	⊙	1" NON POTABLE QUICK COUPLING VALVE ASSEMBLY
5	⋈	LINE SIZE ISOLATION GATE VALVE 2)2", 2)2 1/2", 1)3"
1	◀◀	3" BACKFLOW PREVENTER (LOCATION SHOWN ON STREET SCAPE IRRIGATION DRAWINGS)

A IRR-3 IRRIGATION DEVELOPMENT DETAILS

SCALE: NTS

REVISIONS

NO.	ISSUE	DATE

WICHITA WATER

WICHITA, KANSAS

CITY OF WICHITA

HUGHES GOOD O'LEARY & RYAN

INCORPORATED

LANDSCAPE ARCHITECTURE
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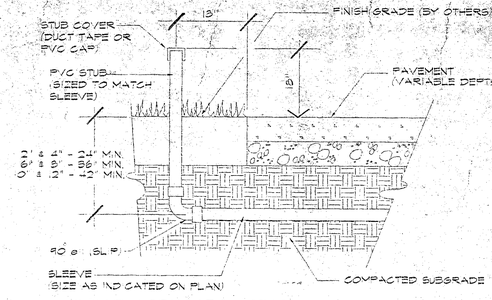
DETAILS

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10-30-96	95013
DRAWN FGH	CHECKED
SCALE NTS	95013LC1
SHEET IR-3	

OF

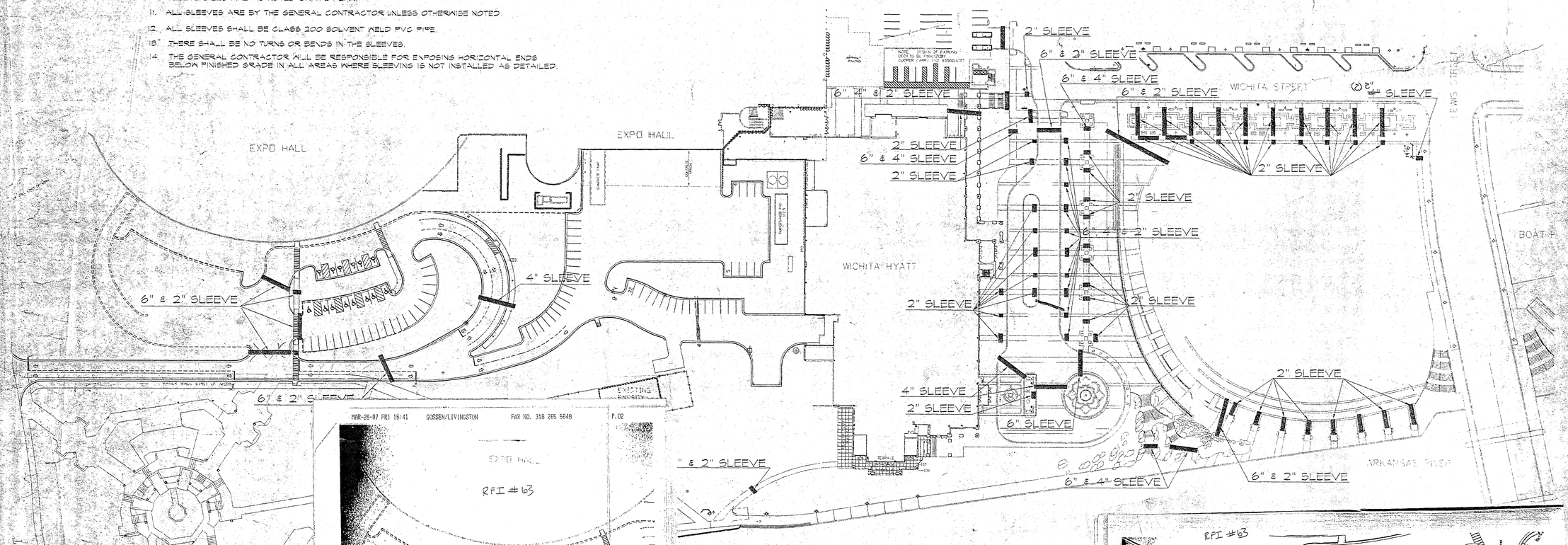
SLEEVING NOTES

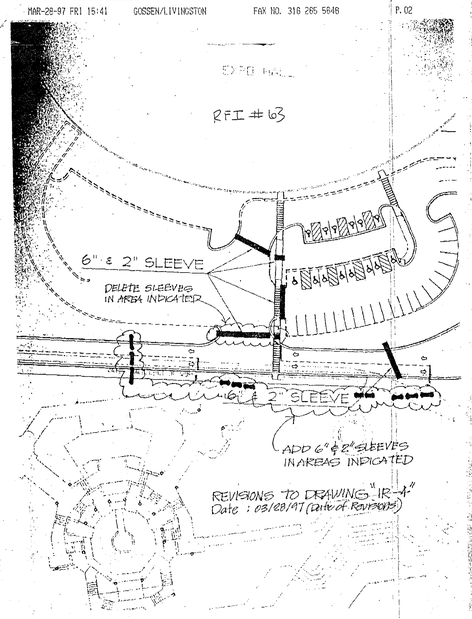
1. THE LOCATIONS OF SLEEVES, AS SHOWN ON THIS PLAN, ARE SCHEMATIC. THE CONTRACTOR SHALL MAKE ANY ADJUSTMENTS NECESSARY TO ACCOMMODATE EXISTING VEGETATION, UTILITIES, OR OTHER MAJOR CONSTRUCTION.
2. ANY DAMAGE TO EXISTING UTILITIES, STRUCTURES, OR OTHER CONSTRUCTION RESULTING FROM INSTALLATION OF SLEEVES IS THE RESPONSIBILITY OF THE CONTRACTOR.
3. WHERE A PIPE JOINT BETWEEN SECTIONS IS NECESSARY, THE INSIDE DIAMETER OF THE PIPE SHALL NOT BE SIGNIFICANTLY REDUCED.
4. PVC SLEEVES SHALL BE INSTALLED AT A DEPTH OF AT LEAST 18" BELOW PAVEMENT SURFACE, AND IS NOT TO EXCEED THE DETAILED DEPTH REQUIREMENTS BY 6". END OF THE SHALL EXTEND 12" BEYOND CURB OR PAVEMENT EDGE.
5. BACKFILL MATERIAL PLACED AROUND THE SLEEVES SHALL BE FREE OF ROCKS OR OTHER FOREIGN MATTER THAT MAY CAUSE DAMAGE TO THE PIPE.
6. THE SLEEVING CONTRACTOR SHALL INSTALL A PVC STUB THAT IS AT LEAST 18" ABOVE GRADE AT EACH END OF THE SLEEVE TO MARK ITS EXACT LOCATION (SEE SLEEVING DETAIL)
7. ONCE THE SLEEVING IS INSTALLED, THE CONTRACTOR SHALL INSTALL A TEMPORARY CAP ON EACH END OF THE PIPE ACCORDING TO THE DETAIL TO PREVENT SOIL OR OTHER DEBRIS FROM ENTERING THE PIPE.
8. ALL MODIFICATIONS OF THIS PLAN ARE SUBJECT TO THE APPROVAL OF THE L.A.
9. THE SLEEVING CONTRACTOR SHALL SUPPLY THE LANDSCAPE ARCHITECT WITH AN "AS-BUILT" PLAN OF THE LOCATION OF ALL SLEEVES PRIOR TO ACCEPTANCE OF THE WORK.
10. SLEEVE SIZES ARE AS NOTED ON THE PLAN.
11. ALL SLEEVES ARE BY THE GENERAL CONTRACTOR UNLESS OTHERWISE NOTED.
12. ALL SLEEVES SHALL BE CLASS 200 SOLVENT WELD PVC PIPE.
13. THERE SHALL BE NO TURNS OR BENDS IN THE SLEEVES.
14. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR EXPOSING HORIZONTAL ENDS BELOW FINISHED GRADE IN ALL AREAS WHERE SLEEVING IS NOT INSTALLED AS DETAILED.



SLEEVE INSTALLATION SECTION

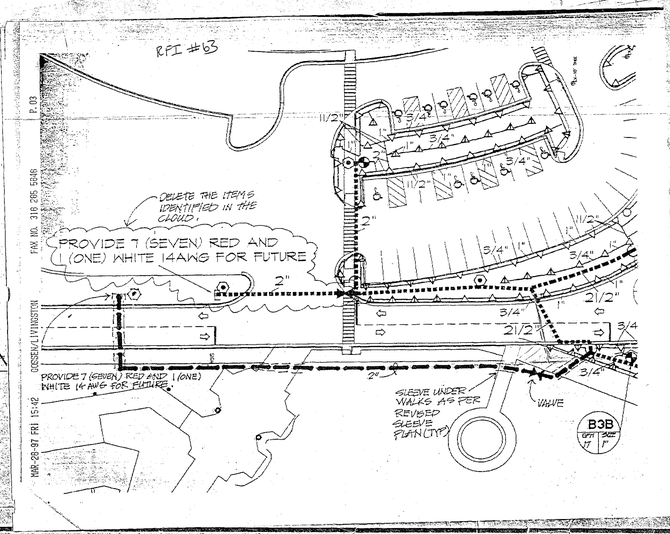
N.T.S.





A IR-4 WATER WALK SLEEVING PLA

SCALE: 1" = 50'-0"



REVISIONS

NO.	ISSUE	DA

WICHITA WATER WALK

WICHITA, KANSAS

CITY OF WICHITA

HUGHES GOOD O'LEARY & RYAN INCORPORATED

LANDSCAPE ARCHITECTURE
PLANNING
URBAN DESIGN
ENVIRONMENTAL ASSESSMENT

3709 PEACHTREE ST., SUITE 444
ATLANTA, GA/30308
PHONE 404 876-7720
FAX 404 876-6858

SLEEVING PLAN

DATE	JOB NO.
08-31-96	95013
DRAWN	CHECKED
FGH	
SCALE	95013LC
1"=50'-0"	

SHEET

IR-4

RELEASED FOR CONSTRUCTION DATE