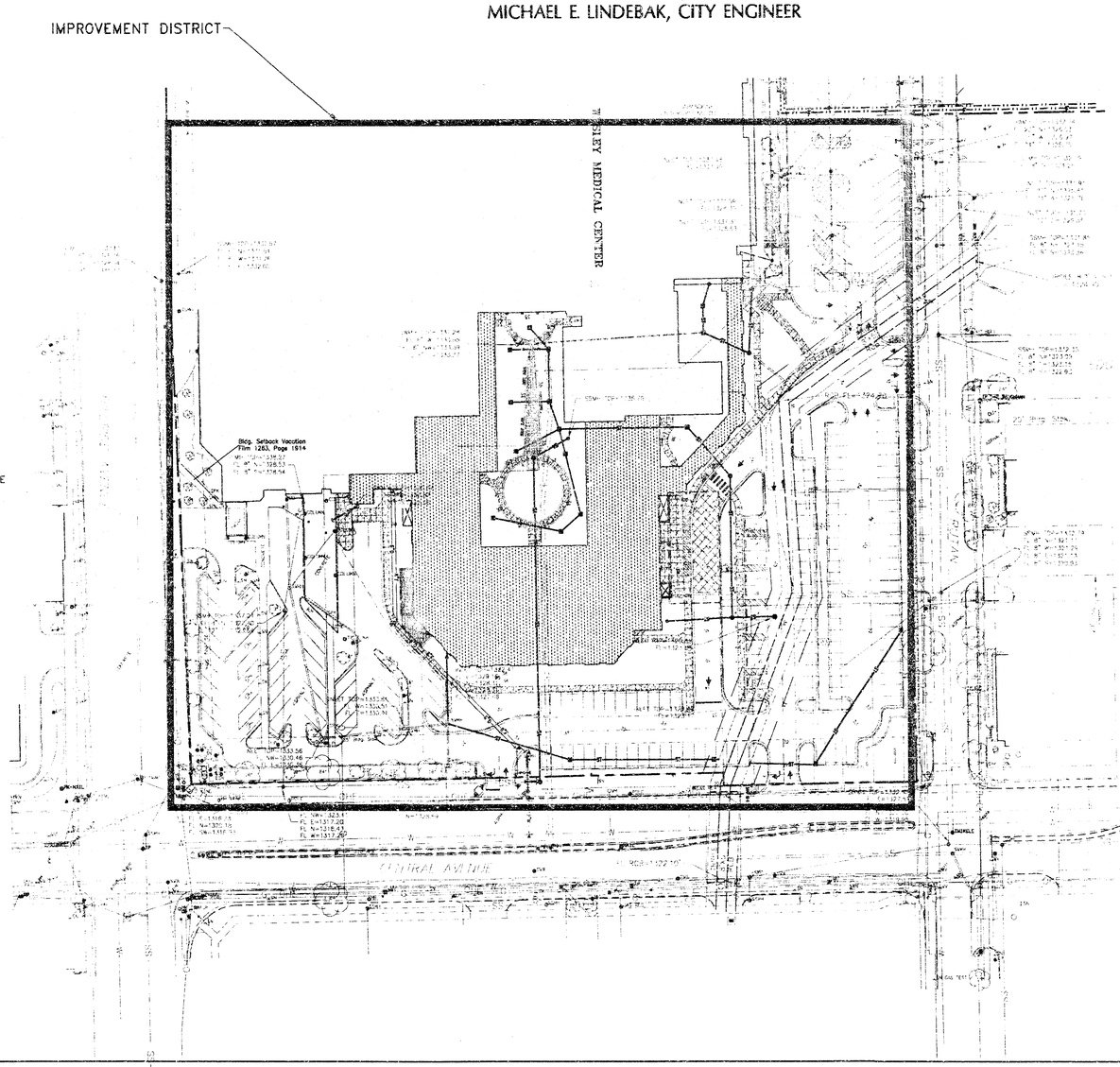
PRIVATE GRADING / DRAINAGE & SANITARY SEWER PLANS

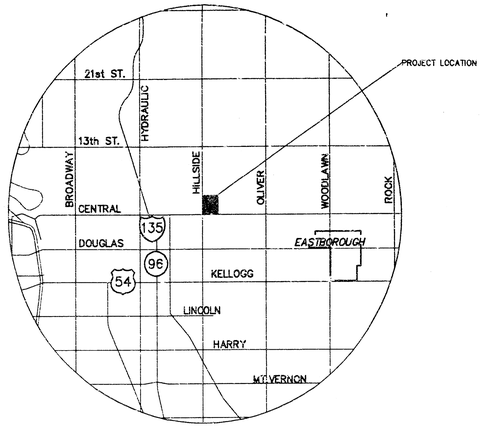
WESLEY MEDICAL CENTER

ICU ADDITION & RENOVATION

PRIVATE PROJECT # 1221PPS(607861)

CITY OF WICHITA, KANSAS
MICHAEL E. LINDEBAK, CITY ENGINEER





LOCATION MAP

INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
C1.0	COVER SHEET
C2.0	DETAILS & NOTES
C3.0–C3.1	GRADING / DRAINAGE PLAN & PROFILE
C4.0	SANITARY SEWER PLAN & PROFILE

BENCHMARKS

1. " " cut Northwest corner of traffic signal base Southeast corner Hillside & Murdock.
   Elevation = 150.135'
2. " " cut on crosswalk signal base, Northeast corner of Hillside & Central.
   Elevation = 144.096
3. " " cut Northeast corner of light pole base at the Southeast corner of Hillside & Murdock.
   Elevation = 145.32'
4. " " cut on the East end of concrete hand rail North side of Central ±164' West of Rutan.
   Elevation = 145.506'
5. Disk in North end of RCBC
   Elevation = 145.376
6. " " on top of curb, North return Southeast corner Lot 3, Wesley Medical 3rd Addition.
   Elevation = 154.551

NOTE TO CONTRACTOR

INSPECTION AND TESTING FOR THIS PROJECT IS TO BE PROVIDED BY A LICENSED CONSULTING ENGINEER FIRM UNDER CONTRACT WITH THE OWNER/VEVELOPER. SAID INPECTION TO BE IN ACCORDANCE WITH THE CITY OF WICHITA STANDARD CONSTRUCTION ENGINEERING PRACTICES AND CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER. NO WORK SHALL BE PERFORMED IN DEDICATED EASEMENTS OR THE PUBLIC RIGHT-OF-WAY BY THE CONTRACTOR WITHOUT SUCH INSPECTION NOR SHALL ANY WORK BE COMMENCED IN DEDICATED EASEMENTS OR PUBLIC RIGHT-OF-WAY WITHOUT WRITTEN AUTHORIZATION BY THE CITY ENGINEER.

APPROVED AS NOTED
CITY ENGINEEER OF WICHITA

SANITARY SEWERS VRH 4/15/02

STORM SEWERS VRH 4/15/02

DRIVEWAY APPROACHES _____

WATER MAINS _____

PAVING _____

SS BOOKED 4/20/02 RDL .PDF

0 10 20 30 40 50 100 150
SCALE : 1" = 50'

LITTLEJOHN ENGINEERING
ENGINEERING AND LAND PLANNING
1935 Twenty-First Avenue South Nashville, Tennessee 37212 Phone 615-385-4144

18 14 03 19

REVISIONS DATE
MARCH 14, 2002

GOULD TURNER GROUP, P.C.
ARCHITECTS & PLANNERS
4400 HARDING ROAD, SUITE 1000
NASHVILLE, TENNESSEE 37205

WESLEY MEDICAL CENTER
ICU ADDITION & RENOVATION
WICHITA, KANSAS
OWNER: 3160801.01
LEAD 20166

4/8/02

COVER SHEET
C1.0

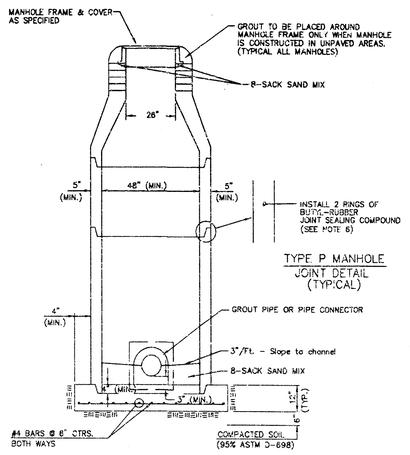
UCOV.DWG

SITE GRADING & EROSION CONTROL NOTES:

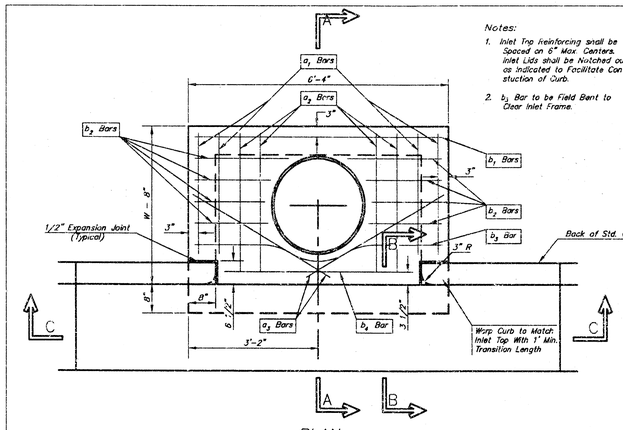
1. BASE INFORMATION WAS TAKEN FROM A SURVEY PREPARED BY MKEC ENGINEERING CONSULTANTS, DATED NOVEMBER 05, 2001. LITTLEJOHN ENGINEERING ASSOCIATES AND ANY OF THEIR CONSULTANTS SHALL NOT BE HELD RESPONSIBLE FOR THE ACCURACY AND/OR COMPLETENESS OF THAT INFORMATION SHOWN HEREON OR ANY ERRORS OR OMISSIONS RESULTING FROM SUCH.
2. THE DISTURBED AREA FOR THIS PROJECT IS APPROXIMATELY ACRES.
3. THE SUBJECT PROPERTY DOES LIE WITHIN A SPECIAL FLOOD HAZARD ZONE ACCORDING TO COMMUNITY PANEL NO. 200 320 0025 B OF THE F.E.M.A. FLOOD INSURANCE RATE MAPS FOR WICHITA, KANSAS, WITH AN DATE OF MAY 15, 1986.
4. CONSTRUCT SILT BARRIERS BEFORE BEGINNING GRADING OPERATIONS.
5. MULCH AND SEED ALL DISTURBED AREAS AS SOON AS POSSIBLE AFTER FINAL GRADING IS COMPLETED, UNLESS OTHERWISE INDICATED. CONTRACTOR SHALL TAKE WHATEVER MEANS NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION.
6. REMOVE SEDIMENT FROM ALL DRAINAGE STRUCTURES BEFORE ACCEPTANCE BY LOCAL GOVERNING AGENCY, OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
7. CLEAN SILT BARRIERS WHEN THEY ARE APPROXIMATELY 50% FILLED WITH SEDIMENT OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE. SILT BARRIERS SHALL BE REPLACED AS EFFECTIVENESS IS SIGNIFICANTLY REDUCED, OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
8. REMOVE THE TEMPORARY EROSION AND WATER POLLUTION CONTROL DEVICES ONLY AFTER A SOLID STAND OF GRASS HAS BEEN ESTABLISHED ON GRADED AREAS AND WHEN IN THE OPINION OF THE OWNER'S REPRESENTATIVE, THEY ARE NO LONGER NEEDED.
9. THE CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. REPAIR ANY DAMAGE ACCORDING TO LOCAL STANDARDS AND AT THE CONTRACTOR'S EXPENSE. COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANY.
10. PROVIDE TEMPORARY CONSTRUCTION ACCESS(ES) AT THE POINT(S) WHERE CONSTRUCTION VEHICLES EXIT THE CONSTRUCTION AREA. MAINTAIN PUBLIC ROADWAYS FREE OF TRACKED MUD AND DIRT.
11. THE CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF THE STORM DRAIN CONNECTIONS AT THE BUILDING WITH THE PLUMBING PLANS.
12. THE CONTRACTOR SHALL CHECK ALL EXISTING GRADES AND DIMENSIONS IN THE FIELD PRIOR TO BEGINNING WORK AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
13. THE CONTRACTOR SHALL COMPLY WITH ALL PERTINENT PROVISIONS OF THE MANUAL OF ACCIDENT PREVENTION AND CONSTRUCTION ISSUED BY AGC OF AMERICA, INC. AND THE SAFETY AND HEALTH REGULATIONS OF CONSTRUCTION ISSUED BY THE U.S. DEPARTMENT OF LABOR.
14. PROPOSED CONTOUR LINES AND SPOT ELEVATIONS ARE THE RESULT OF AN ENGINEERED GRADING DESIGN AND REFLECT A PLANNED INTENT WITH REGARD TO DRAINAGE AND MOVEMENT OF MATERIALS. SHOULD THE CONTRACTOR HAVE ANY QUESTION OF THE INTENT OR ANY PROBLEM WITH THE CONTINUITY OF GRADES, THE ENGINEER SHALL BE CONTACTED IMMEDIATELY.
15. ALL CUT AND FILL SLOPES SHALL BE 3 HORIZONTAL TO 1 VERTICAL OR FLATTER UNLESS OTHERWISE INDICATED ON THE PLANS.
16. ALL PIPES UNDER EXISTING PAVED AREAS SHALL BE BACKFILLED TO THE TOP OF SUBGRADE WITH CRUSHED STONE.
17. MINIMUM GRADE ON ASPHALT OR CONCRETE PAVING SHALL BE 1.0%.
18. CONTRACTOR SHALL CONFORM TO ALL APPLICABLE CODES AND OBTAIN APPROVAL AS NECESSARY BEFORE BEGINNING CONSTRUCTION.
19. ALL EARTHWORK, INCLUDING THE EXCAVATED SUBGRADE AND EACH LAYER OF FILL SHALL BE MONITORED AND APPROVED BY A QUALIFIED GEOTECHNICAL ENGINEER, OR HIS REPRESENTATIVE.
20. IF ANY SPRINGS OR UNDERGROUND STREAMS ARE EXPOSED DURING CONSTRUCTION, PERMANENT FRENCH DRAINS MAY BE REQUIRED. THE DRAINS SHALL BE SPECIFIED AND LOCATED DURING CONSTRUCTION AS REQUIRED BY THE CONDITIONS WHICH ARE ENCOUNTERED, AND SHALL BE APPROVED BY THE ENGINEER.
21. THIS GRADING & DRAINAGE PLAN IS NOT A DETERMINATION OR GUARANTEE OF THE SUITABILITY OF THE SUBSURFACE CONDITIONS FOR THE WORK INDICATED. A GEOTECHNICAL SOILS REPORT HAS BEEN PREPARED AND IS AVAILABLE FROM THE OWNER. DETERMINATION OF THE SUBSURFACE CONDITION FOR THE WORK INDICATED IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
22. THE CONTRACTOR SHALL TAKE SPECIAL CARE TO COMPACT FILL SUFFICIENTLY AROUND AND OVER ALL PIPES, STRUCTURES, VALVE STEMS, ETC., INSIDE THE PROPOSED PAVED AREAS TO AVOID SETTLEMENT. ANY SETTLEMENT DURING THE WARRANTY PERIOD SHALL BE RESTORED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
23. IN NO CASE SHALL SLOPE, HEIGHT, SLOPE INCLINATION, OR EXCAVATION DEPTH, INCLUDING TRENCH CONSTRUCTION, EXCEED THOSE SPECIFIED IN LOCAL, STATE AND FEDERAL REGULATIONS, SPECIFICALLY THE CURRENT OSHA HEALTH AND SAFETY STANDARDS FOR EXCAVATIONS (29 CRF PART 1926) SHALL BE FOLLOWED.
24. DO NOT DISTURB VEGETATION OR REMOVE TREES EXCEPT WHEN NECESSARY FOR GRADING PURPOSES.
25. STRIP TOPSOIL FROM ALL CUT AND FILL AREAS AND STOCKPILE UPON COMPLETION OF GENERAL GRADING OVER ALL DISTURBED AREAS, TO A MINIMUM DEPTH OF 6". CONTRACTOR SHALL SUPPLY ADDITIONAL TOP SOIL IF INSUFFICIENT QUANTITIES EXIST ON SITE.
26. TOP OF GRATE ELEVATIONS AND LOCATION OF COORDINATES FOR DRAINAGE STRUCTURES SHALL BE AS SHOWN ON THE DETAIL, UNLESS NOTED OTHERWISE. THE GRATES SHALL SLOPE LONGITUDINALLY WITH THE PAVEMENT GRADES.
27. ALL DRAINAGE CONSTRUCTION MATERIALS AND INSTALLATION SHALL CONFORM TO THE REQUIREMENTS AND SPECIFICATIONS OF THE LOCAL GOVERNING AGENCY.
28. POSITIVE DRAINAGE SHALL BE ESTABLISHED AS THE FIRST ORDER OF WORK AND SHALL BE MAINTAINED AT ALL TIMES DURING AND AFTER CONSTRUCTION. SOIL SOFTENED BY PERCHED WATER IN FOUNDATION AND PAVEMENT AREAS MUST BE UNDERCUT AND REPLACED WITH SUITABLE FILL MATERIALS APPROVED BY THE GEOTECHNICAL ENGINEER.
29. REINFORCED CONCRETE STORM DRAINAGE PIPE SHALL BE CLASS III.
30. FILL SLOPES 3:1 AND GREATER SHALL BE PLACED AND COMPACED 5' BEYOND PROPOSED LIMITS AND THEN EXCAVATED BACK TO THE PROPOSED LOCATION.
31. ALL FILL MATERIAL IN THE BUILDING ENVELOPE(S) SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT. THIS MATERIAL SHALL BE PLACED IN LIFTS DIRECTED BY THE GEOTECHNICAL ENGINEER AND COMPACTED IN ACCORDANCE WITH SPECIFICATIONS.
32. SEDIMENT REMOVED FROM SEDIMENT CONTROL STRUCTURES IS TO BE PLACED AT A SITE APPROVED BY THE ENGINEER. IT SHALL BE TREATED IN A MANNER SO THAT THE AREA AROUND THE DISPOSAL SITE WILL NOT BE CONTAMINATED OR DAMAGED BY THE SEDIMENT IN THE RUN-OFF. COST FOR THIS TREATMENT IS TO BE INCLUDED IN PRICE BID FOR EARTHWORK. THE CONTRACTOR SHALL OBTAIN THE DISPOSAL SITE AS PART OF THIS WORK.
33. STOCKPILED TOPSOIL OR FILL MATERIAL IS TO BE TREATED SO THE SEDIMENT RUN-OFF WILL NOT CONTAMINATE SURROUNDING AREAS OR ENTER NEARBY STREAMS.
34. ANY SITE USED FOR DISPOSAL AND/OR STOCKPILE OF ANY MATERIAL SHALL BE PROPERLY PERMITTED FOR SUCH ACTIVITY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SEE THAT ALL REQUIRED PERMITS ARE SECURED FOR EACH PROPERTY UTILIZED. A COPY OF THE APPROVED PERMIT MUST BE PROVIDED TO THE INSPECTOR PRIOR TO COMMENCEMENT OF WORK ON ANY PROPERTY. FAILURE TO DO SO MAY RESULT IN THE CONTRACTOR REMOVING ANY ILLEGALLY PLACED MATERIAL AT HIS OWN EXPENSE.
35. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO WASTE EXCESS EARTH MATERIAL OFF SITE AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL FIRST OFFER THE EXCESS MATERIAL TO THE OWNER. IF NOT ACCEPTED BY THE OWNER, THE CONTRACTOR SHALL DISPOSE OF EARTH MATERIAL OFF SITE. IT SHALL ALSO BE THE CONTRACTOR'S RESPONSIBILITY TO IMPORT SUITABLE MATERIAL (AT NO ADDITIONAL COST TO THE OWNER) FOR EARTHWORK OPERATIONS IF SUFFICIENT AMOUNTS OF EARTH MATERIAL ARE NOT AVAILABLE ON SITE.

SITE UTILITY NOTES

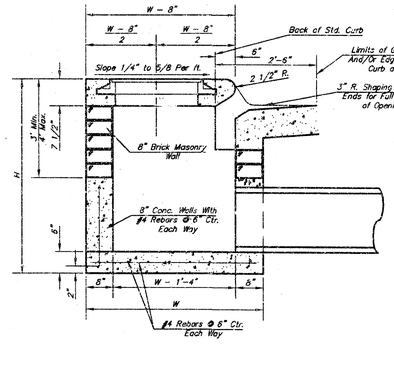
1. THE SANITARY SEWER SHALL BE CLASS 52 DUCTILE IRON PIPE (DIP).
2. ALL SEWER LINES AND APPURTENANCES SHALL BE OF MATERIALS AND CONSTRUCTION THAT CONFORM TO THE DEPARTMENT OF WATER AND SEWERAGE SERVICES REQUIREMENTS AND SPECIFICATIONS.
3. THE CONTRACTOR SHALL MAINTAIN 10 FEET HORIZONTAL SEPARATION BETWEEN SANITARY SEWER LINES AND WATER LINES. WHERE THESE CRITERIA CANNOT BE MET, THE CONTRACTOR SHALL MAINTAIN 18" VERTICAL SEPARATION BETWEEN WATER AND SEWER LINES.
4. THE CONTRACTOR SHALL FIELD VERIFY THE EXACT HORIZONTAL AND VERTICAL LOCATION OF EXISTING MANHOLES OR SANITARY SEWER LINES AT THE POINT OF CONNECTION PRIOR TO THE COMMENCEMENT OF ORDERING OF MATERIALS, CONSTRUCTION OR REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
5. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL CHARTED AND UNCHARTED UTILITIES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. REPAIR ANY DAMAGE ACCORDING TO LOCAL STANDARDS AND AT THE CONTRACTOR'S EXPENSE. COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANY.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE SEQUENCING OF CONSTRUCTION FOR ALL UTILITY LINES SO THAT WATER LINES DO NOT CONFLICT WITH SANITARY SEWERS, SANITARY SEWER SERVICES, STORM SEWERS, OR ANY OTHER UTILITY OR STRUCTURE, EXISTING OR PROPOSED.
7. THE LOCATION OF EXISTING UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL NOTIFY EACH INDIVIDUAL UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF THE UTILITIES. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY ON THE GROUND. THIS NOTIFICATION SHALL BE GIVEN AT LEAST THREE (3) BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY.
8. BEFORE CONNECTIONS ARE MADE INTO EXISTING UTILITIES, THE NEW LINES ARE TO BE FLUSHED AND TESTED BY THE CONTRACTOR IN ACCORDANCE WITH THE SPECIFICATIONS.
9. ALL TRENCHES CUT IN EXISTING ROADS OR DRIVES SHALL UTILIZE A CLEAN SAW CUT AND SHALL BE BACKFILLED (100%) TO FINAL SUBGRADE WITH #57 STONE. REPAIR ROADS PER LOCAL REQUIREMENTS.
10. REPAIR ALL DAMAGE TO EXISTING FEATURES (i.e. DRIVES, ROADS, YARDS, LANDSCAPING, ETC...) TO PRE-CONSTRUCTION CONDITION.
11. THE CONTRACTOR SHALL PROVIDE ALL HORIZONTAL AND VERTICAL BENDS TO ATTAIN THE ALIGNMENT INDICATED ON THE PLANS. PROVIDE VERTICAL BENDS WHERE NECESSARY TO ALLOW WATER LINES TO PASS UNDER OR OVER OTHER UTILITY LINES. (ALL BENDS AND BRACES NEEDED MAY NOT BE ACTUALLY SHOWN). PROVIDE BRACING AND/OR RODDING AT ALL BENDS AND TEES AS REQUIRED BY SPECIFICATIONS.
12. COORDINATE THE EXACT LOCATION OF ALL UTILITIES ENTERING THE BUILDING WITH THE PLUMBING PLANS.
13. THE CONTRACTOR SHALL COMPLY WITH ALL PERTINENT PROVISIONS OF THE MANUAL OF ACCIDENT PREVENTION AND CONSTRUCTION ISSUED BY AGC OF AMERICA.
14. THE CONTRACTOR SHALL VERIFY REQUIRED PIPE LENGTHS. EXISTING PIPE MATERIAL AND SIZES AS SHOWN ON PLANS.
15. REPAIR EXISTING PAVEMENT, CURBS, WALKS, LANDSCAPING, ETC. THAT ARE DAMAGED BY CONSTRUCTION ACTIVITIES TO A LIKE NEW CONDITION AT NO ADDITIONAL COST TO THE OWNER.
16. WHERE DRAINAGE OR UTILITY LINES OCCUR IN PROPOSED FILL AREAS, THE FILL MATERIAL IS TO BE PLACED AND COMPACTED TO (95%) OF MAXIMUM DRY DENSITY ACCORDING TO ASTM (D-698) PRIOR TO INSTALLATION OF DRAINAGE OR UTILITY LINES. FILL IS TO BE INSPECTED BY A PROFESSIONAL GEOTECHNICAL ENGINEER TESTING FIRM EMPLOYED BY THE OWNER. RESULTS OF THE TEST SHALL BE FURNISHED TO THE OWNER'S REPRESENTATIVE . CONTRACTOR TO PAY FOR ANY RETESTING.
17. THE CONTRACTOR SHALL ADJUST THE ALIGNMENT OF THE WATER LINES (HORIZONTALLY AND/OR VERTICALLY) TO ALLOW THE REQUIRED BRACING AT BENDS AND TEES.
18. EXISTING MANHOLES LOCATED IN FILL/CUT AREAS SHALL BE ADJUSTED TO ENSURE THAT THE TOP OF CASTING IS FLUSH WITH THE FINISHED GRADE.
19. THE OUTSIDE OF ALL MANHOLES SHALL BE COATED WITH BITUMINOUS PAINT.
20. THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFE GUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE CONTRACTOR WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER.
21. PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR CONTACTING OWNERS OF ALL AFFECTED UTILITIES IN ORDER TO DETERMINE THE EXTENT TO WHICH UTILITY RELOCATION'S AND/OR ADJUSTMENTS WILL HAVE UPON THE SCHEDULE OF WORK FOR THE PROJECT. WHILE SOME WORK MAY BE REQUIRED 'AROUND' UTILITY FACILITIES THAT WILL REMAIN IN PLACE, OTHER UTILITY FACILITIES MAY NEED TO BE ADJUSTED CONCURRENTLY WITH THE CONTRACTOR'S OPERATIONS.
22. ALL CONNECTIONS TO EXISTING MANHOLE'S SHALL BE BY THE CORING AND RESILIENT SEAL METHOD.
23. THE CONCRETE CAPS AND ENCASEMENTS ON WATER AND SEWER LINES SHALL BE A MINIMUM OF 6" THICK. USE 3000 PSI CONCRETE.
24. CONTRACTOR SHALL MARK THE LOCATION OF ALL NEW PVC LINES WITH #8 WIRE.



CITY OF WICHITA
5 STANDARD TYPE "P" MANHOLE
NOT TO SCALE

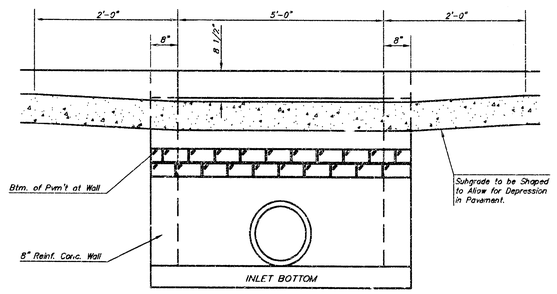


PLAN



SECTION A-A

Notes:
1. Inlet Top reinforcing shall be Spaced on 6" Max. Centers. Inlet Lids shall be Notched out as Indicated to Facilitate Construction of Curb.
2. b_3 Bar to be Field Bent to Clear Inlet Frame.



SECTION C-C

STEEL SCHEDULE

BAR		a_1	a_2	a_3	#4 W=4'-4"	#4 W=5'-4"	#4 W=6'-4"	#4 W=7'-4"	#4 W=8'-4"	b_2	b_3	b_4	Wt. Lbs.
NUMBER		4	4	2	1	3	5	7	9	6	1	1	
SIZE		#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	#6	
LENGTH	W=4'-4"	5'-7"	6'-7"	4'-0"	6'-1"	–	–	–	–	1'-9"	6'-2"	4'-8"	60±
	W=5'-4"	7'-7"	8'-7"	5'-0"	–	6'-1"	–	–	–	1'-9"	6'-2"	4'-8"	81±
	W=6'-4"	9'-7"	10'-7"	6'-0"	–	–	6'-1"	–	–	1'-9"	6'-2"	4'-8"	101±
	W=7'-4"	11'-7"	12'-7"	7'-0"	–	–	–	6'-1"	–	1'-9"	6'-2"	4'-8"	121±
	W=8'-4"	13'-7"	14'-7"	8'-0"	–	–	–	–	6'-1"	1'-9"	6'-2"	4'-8"	141±

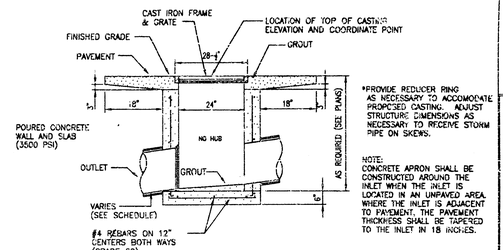
Note: a_3 Bars to be Placed Approx. 2" Below Top of Inlet Cover.

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±

CITY OF WICHITA
STANDARD TYPE 1 CURB INLET
NOT TO SCALE

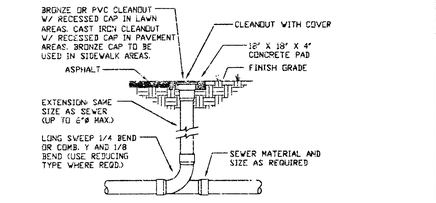
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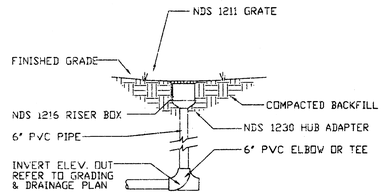
*PROVIDE REDUCER RING AS NECESSARY TO ACCOMODATE PROPOSED CASTING. ADJUST STRUCTURE DIMENSIONS AS NECESSARY TO RECEIVE STORM PIPE ON SKEWS.

NOTE: CONCRETE APRON SHALL BE CONSTRUCTED AROUND THE INLET WHEN THE INLET IS LOCATED IN AN UNPAVED AREA. WHERE THE INLET IS ADJACENT TO PAVEMENT, THE PAVEMENT THICKNESS SHALL BE TAPERED TO THE INLET IN 18 INCHES.

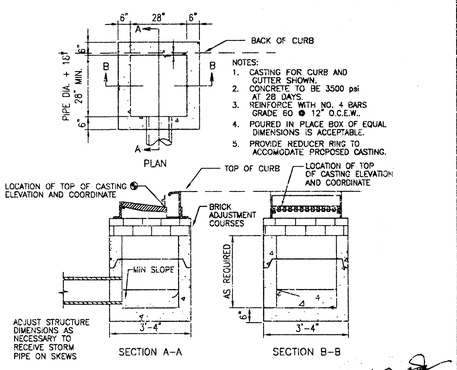
1 CATCH BASIN
NOT TO SCALE



2 CLEANOUT
NOT TO SCALE



3 NDS DRAIN INLET
NOT TO SCALE



SINGLE INLET
NOT TO SCALE

4

LITTLEJOHN ENGINEERING
ENGINEERING LAND LAND PLANNING
1935 Twenty-First Avenue South Nashville, Tennessee 37212 Phone 615-385-4144

GOULD TURNER GROUP, P.C.
ARCHITECTS & PLANNERS
4401 HARDING ROAD, SUITE 1400
NASHVILLE, TENNESSEE 37205

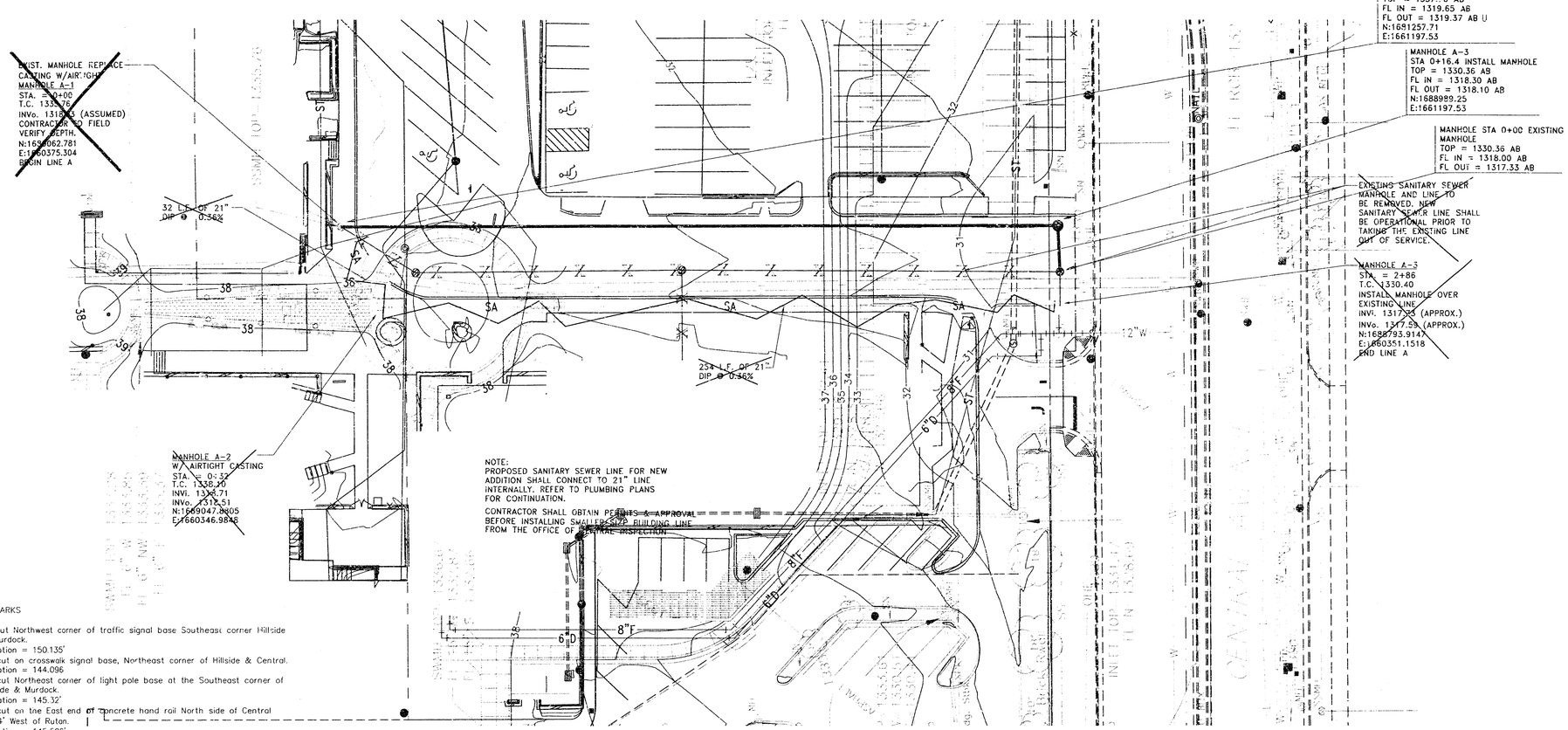
REVISIONS:

DATE: MARCH 14, 2002

WESLEY MEDICAL CENTER
ICU ADDITION & RENOVATION
WICHITA, KANSAS
OWNER# 2406601
LE.# 20186

SITE DETAILS & NOTES
C2.0

\construction\ICU Addition\City Submittal\C186icudt1.dwg



BENCHMARKS

1. " " cut Northwest corner of traffic signal base Southeast corner Hillside & Murdock.
   Elevation = 150.135'
2. " " cut on crosswalk signal base, Northeast corner of Hillside & Central.
   Elevation = 144.096
3. " " cut Northeast corner of light pole base at the Southeast corner of hillside & Murdock.
   Elevation = 145.32'
4. " " cut on the East end of concrete hand rail North side of Central ±164' West of Rutan.
   Elevation = 145.506'
5. Disk in North end of RCBC ±71' North of Edgemont, East side of Rutar.
   Elevation = 145.376
6. " " on top of curb, North return Southeast corner Lot 3, Wesley Medical 3rd Addition.
   Elevation = 154.551

EXISTING FEATURES LEGEND

- GM – GAS METER
- YLG – YARD LIGHT 0'-2'
- ELEC MH – ELECTRIC MANHOLE
- SIG LIGHT – SIGNAL LIGHT
- SIN – TREE AND DIAMETER
- SIN – TREE AND DIAMETER
- SN – SIGN
- IP – IRON BAR
- O – BUSH
- PP – POWER POLE AND DEADMAN
- KGE – ELECTRIC BOX
- CO – CLEANOUT
- E — E — UNDERGROUND ELECTRIC LINE
- X — X — X — FENCE
- BM – BENCHMARK
- SRMH – STORM WATER MANHOLE
- SSMH – SANITARY SEWER MANHOLE
- SWB – TELEPHONE MANHOLE
- BUILDINGS
- OHE — OHE — OVERHEAD ELECTRIC LINE
- POST
- XCUT – CHISLED "X" CUT
- OVERHANG
- POLE – POLE
- GATE
- TRAF MH – TRAFFIC SIGNAL MANHOLE
- SECTION CORNER
- SPK – SPRINKLER HEAD
- RETAINING WALL
- LP – LIGHT POLE 10'-HIGHER
- FH – FIRE HYDRANT
- WV – WATER VALVE
- WM – WATER METER
- ICV – IRRIGATION CONTROL VALVE
- GRATE INLET
- TR – TELEPHONE RISER
- STORM SEWER PIPE
- W — W — WATER LINE
- SANITARY SEWER LINE
- G — G — GAS LINE
- T — T — TELEPHONE LINE
- INLET
- ROW OF BUSHES
- RD – ROOF DRAIN
- YLP – LIGHT POLE 2'-10'
- OHTV — OHTV — OVERHEAD CABLE TV LINE
- MS – MONITORING SENSOR

PROPOSED FEATURES LEGEND

- DOMESTIC SERVICE — 2" W —
- FIRE SERVICE — 6" F —
- GAS LINE — G —
- WATER LINE WITH 90° THRUST BLOCK
- SANITARY SEWER LINE WITH CLEANOUT
- NEW FIRE HYDRANT
- UNDERGROUND ELECTRIC — UGE — UGE —

SANITARY SEWER LINE A

PRIVATE SS FOR WESLEY MEDICAL CENTER ICU ADDITION AND RENOVATION

1221PPS

NOTE

SEE SHEET C2.0 FOR GENERAL NOTES.

AS BUILT DEC 2003

0 5 10 15 20 40 60

SCALE : 1" = 20'

LITTLEJOHN ENGINEERING
ENGINEERING AND LAND PLANNING
1935 Twenty-First Avenue South Nashville, Tennessee 37212 Phone 615-385-4144

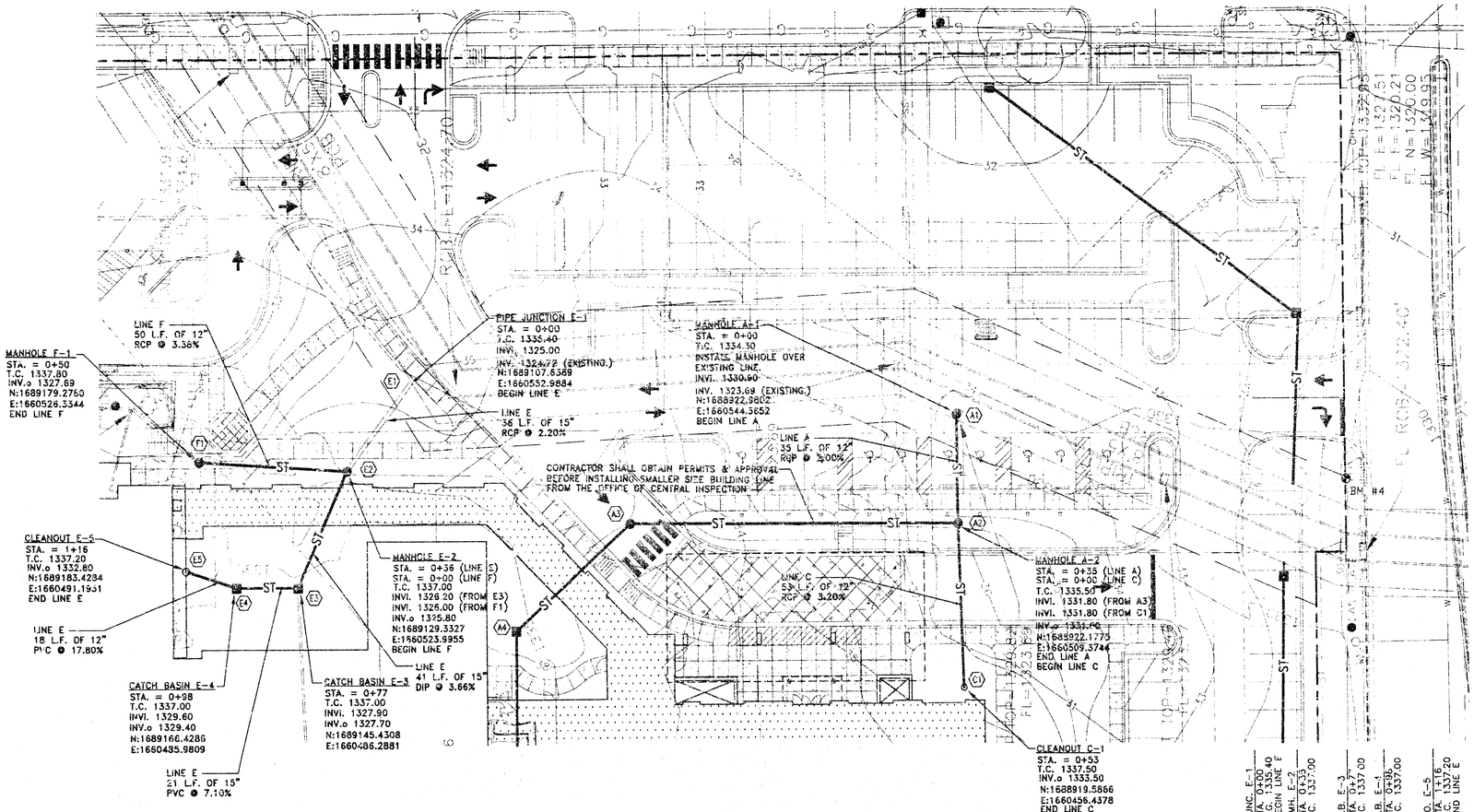
GOULD TURNER GROUP, P.C.
ARCHITECTS & PLANNERS
4400 HARDING ROAD, SUITE 1000
NASHVILLE, TENNESSEE 37205

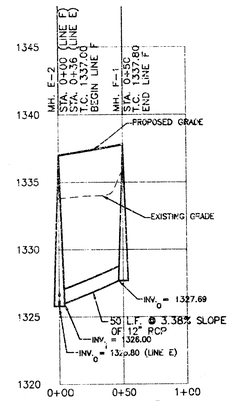
REVISIONS:

DATE: MARCH 14, 2003

WESLEY MEDICAL CENTER
ICU ADDITION & RENOVATION
WICHITA, KANSAS
OWNER# 3140890011
LEA# 20186

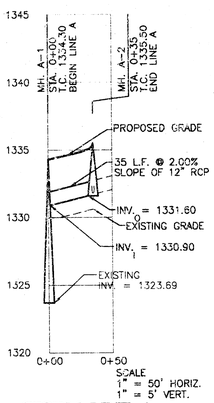
SANITARY SEWER PLAN & PROFILE
C4.0





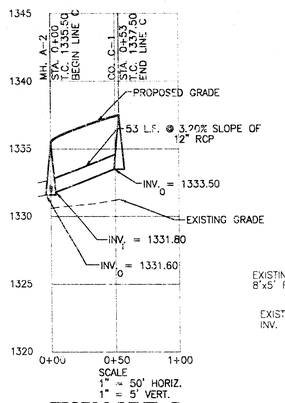
SCALE
1" = 50' HORIZ.
1" = 5' VERT.

STORM LINE F



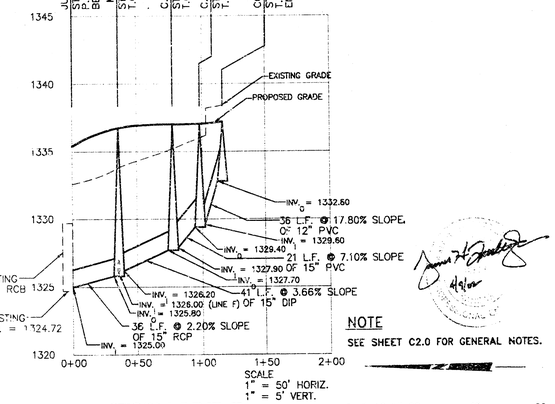
SCALE
1" = 50' HORIZ.
1" = 5' VERT.

STORM LINE A



SCALE
1" = 50' HORIZ.
1" = 5' VERT.

STORM LINE C



SCALE
1" = 50' HORIZ.
1" = 5' VERT.

STORM LINE E

EXISTING FEATURES LEGEND

- GM – GAS METER
- YLG – YARD LIGHT 0'-2'
- ELEC MH – ELECTRIC MANHOLE
- SIG LIGHT – SIGNAL LIGHT
- TRN – TREE AND DIAMETER
- TRN – TREE AND DIAMETER
- SN – SIGN
- IP – IRON BAR
- BUSH
- PP-TN – POWER POLE AND DEADMAN
- ELECTRIC BOX
- CO – CLEANOUT
- E — E — UNDERGROUND ELECTRIC LINE
- X — X — X — FENCE
- BM – BENCHMARK
- SWMH – STORM WATER MANHOLE
- SSMH – SANITARY SEWER MANHOLE
- SWB – TELEPHONE MANHOLE
- BUILDINGS
- OHE — OHE — OVERHEAD ELECTRIC LINE
- POST
- XCUT – CHISLED "X" CUT
- OVERHANG
- MAILBOX
- GATE
- TRAFFIC SIGNAL MANHOLE
- SECTION CORNER
- SPRINKLER HEAD
- RETAINING WALL
- LIGHT POLE 10'-15' HEIGHT
- FH – FIRE HYDRANT
- WV – WATER VALVE
- WM – WATER METER
- IRRIGATION CONTROL VALVE
- DI – GRATE INLET
- TPR – TELEPHONE RISER
- STORM SEWER PIPE
- W — W — WATER LINE
- SS — SS — SANITARY SEWER LINE
- G — G — GAS LINE
- T — T — TELEPHONE LINE
- INLET
- ROW OF BUSHES
- RD – ROOF DRAIN
- YLP – LIGHT POLE 2'-10'
- OHTV — OHTV — OVERHEAD CABLE TV LINE
- MS – MONITORING SENSOR

BENCHMARKS

1. " " cut Northwest corner of traffic signal base Southeast corner Hillside & Murdock.
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3. " " cut Northeast corner of light pole base at the Southeast corner of Hillside & Murdock.
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4. " " cut on the East end of concrete hand rail North side of Central ±164' West of Rutan.
   Elevation = 145.506'
5. Disk in North end of RCBC ±71' North of Edgemont, East side of Rutan.
   Elevation = 145.376
6. " " on top of curb, North return Southeast corner Lot 3, Wesley Medical 3rd Addition.
   Elevation = 154.551

PROPOSED FEATURES LEGEND

- STORM PIPE & INLET
- PROPOSED CONTCUR (90)
- DRAINAGE STRUCTURE (C3)
- DOMESTIC SERVICE — 2" W —
- FIRE SERVICE — 6" F —
- GAS LINE — G —
- WATER LINE WITH 90° THRUST BLOCK
- SANITARY SEWER LINE WITH CLEANOUT — C —
- NEW FIRE HYDRANT
- UNDERGROUND ELECTRIC — UGE — UGE — UGE —

NOTE

SEE SHEET C2.0 FOR GENERAL NOTES.

0 5 10 15 20 40 60

SCALE : 1" = 20'

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REVISIONS:

DATE
MARCH 14, 2002

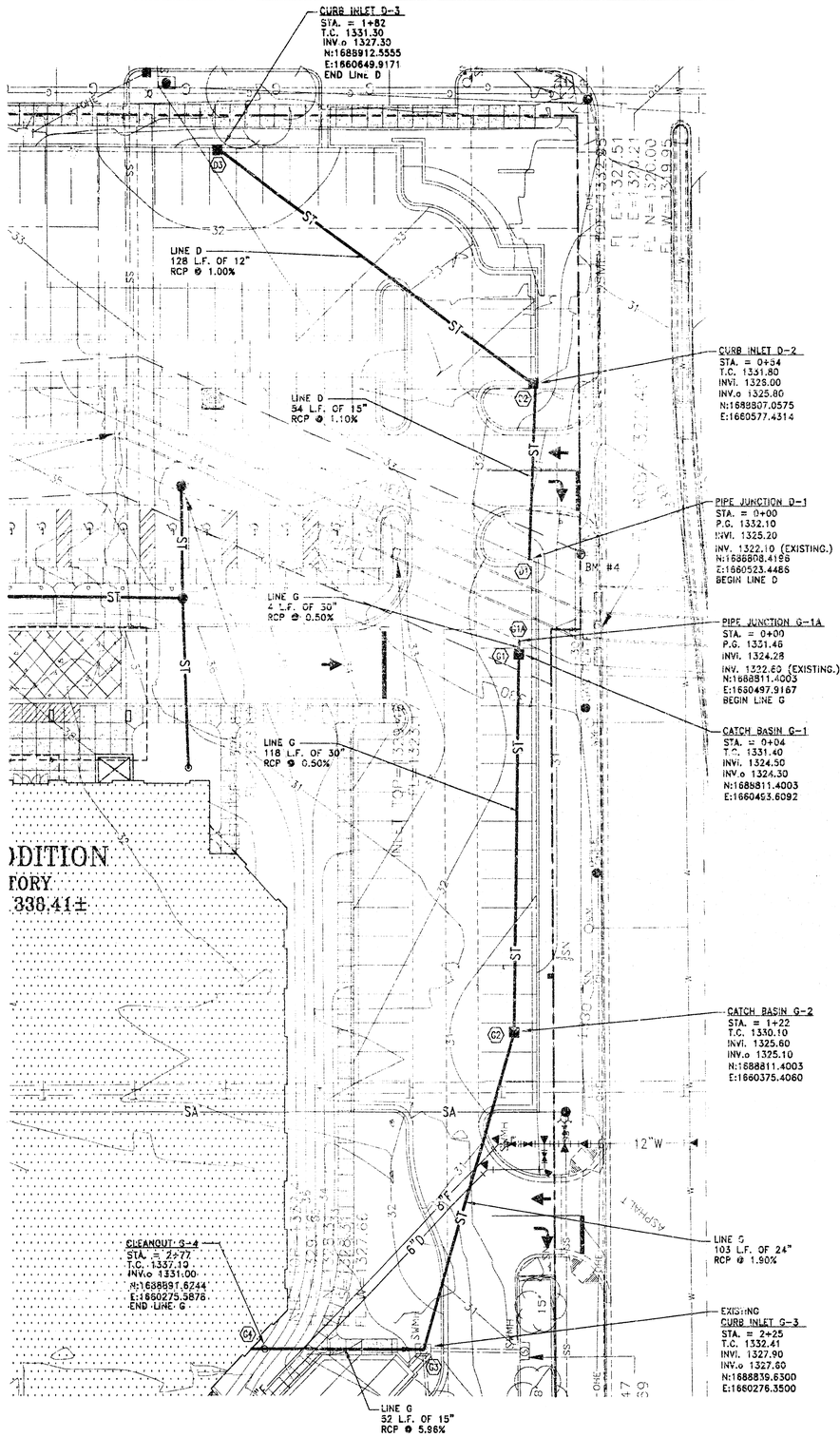
GOULD TURNER GROUP, P.C.
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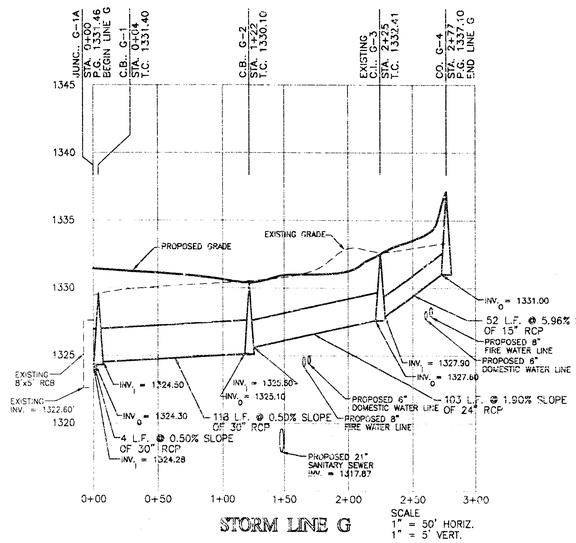
GOULD TURNER GROUP

WESLEY MEDICAL CENTER
ICU ADDITION & RENOVATION
WICHITA, KANSAS
OWNER# 31408001
LE.# 2018A

GRADING & DRAINAGE PLAN & PROFILE

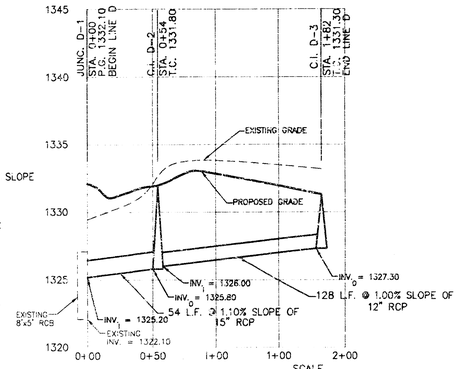
C3.0





STORM LINE G

SCALE
1" = 50' HORIZ.
1" = 5' VERT.



STORM LINE D

SCALE
1" = 50' HORIZ.
1" = 5' VERT.

PROPOSED FEATURES LEGEND

- STORM PIPE & INLET
- PROPOSED CONTOUR — 90
- DRAINAGE STRUCTURE — C3
- DOMESTIC SERVICE — 2" W
- FIRE SERVICE — 6" F
- GAS LINE — G
- WATER LINE WITH 90° THRUST BLOCK
- SANITARY SEWER LINE WITH CLEANOUT
- NEW FIRE HYDRANT
- UNDERGROUND ELECTRIC — UGE — UGE — UGE

EXISTING FEATURES LEGEND

- GM — GAS METER
- LP — LIGHT POLE
- EMH — ELECTRIC MANHOLE
- TSM — TRAFFIC SIGNAL MANHOLE
- SC — SECTION CORNER
- SPK — SPRINKLER HEAD
- SIGN — SIGN AND DIAMETER
- RW — RETAINING WALL
- LP — LIGHT POLE TO—HIGHER
- FH — FIRE HYDRANT
- WV — WATER VALVE
- WM — WATER METER
- ICV — IRRIGATION CONTROL VALVE
- GI — GRATE INLET
- TR — TELEPHONE RISER
- SD — STORM SEWER PIPE
- W — WATER LINE
- SS — SANITARY SEWER LINE
- G — GAS LINE
- T — TELEPHONE LINE
- I — INLET
- ROW OF BUSHES
- RD — ROOF DRAIN
- YLP — LIGHT POLE 2'-10"
- OH TV — OVERHEAD CABLE TV LINE
- MS — MONITORING SENSOR
- BM — BENCHMARK
- SWMH — STORM WATER MANHOLE
- SSMH — SANITARY SEWER MANHOLE
- SWB — TELEPHONE MANHOLE
- BUILDINGS
- OHE — OVERHEAD ELECTRIC LINE
- POST
- CHISLED "X" CUT
- OVERHANG

BENCHMARKS

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   Elevation = 144.096
3. " " cut Northeast corner of light pole base at the Southeast corner of Hillside & Murdock.
   Elevation = 145.32'
4. " " cut on the East end of concrete hand rail North side of Central ±164' West of Rutan.
   Elevation = 145.506'
5. Disk in North end of RCBC
   Elevation = 145.376 ±71' North of Edgemont, East side of Rutan.
6. " " on top of curb, North return Southeast corner Lot 3, Wesley Medical 3rd Addition.
   Elevation = 154.551

NOTE

SEE SHEET C2.0 FOR GENERAL NOTES.

0 5 10 15 20 40 60

SCALE : 1" = 20'

LITTLEJOHN ENGINEERING
ENGINEERING AND LAND PLANNING
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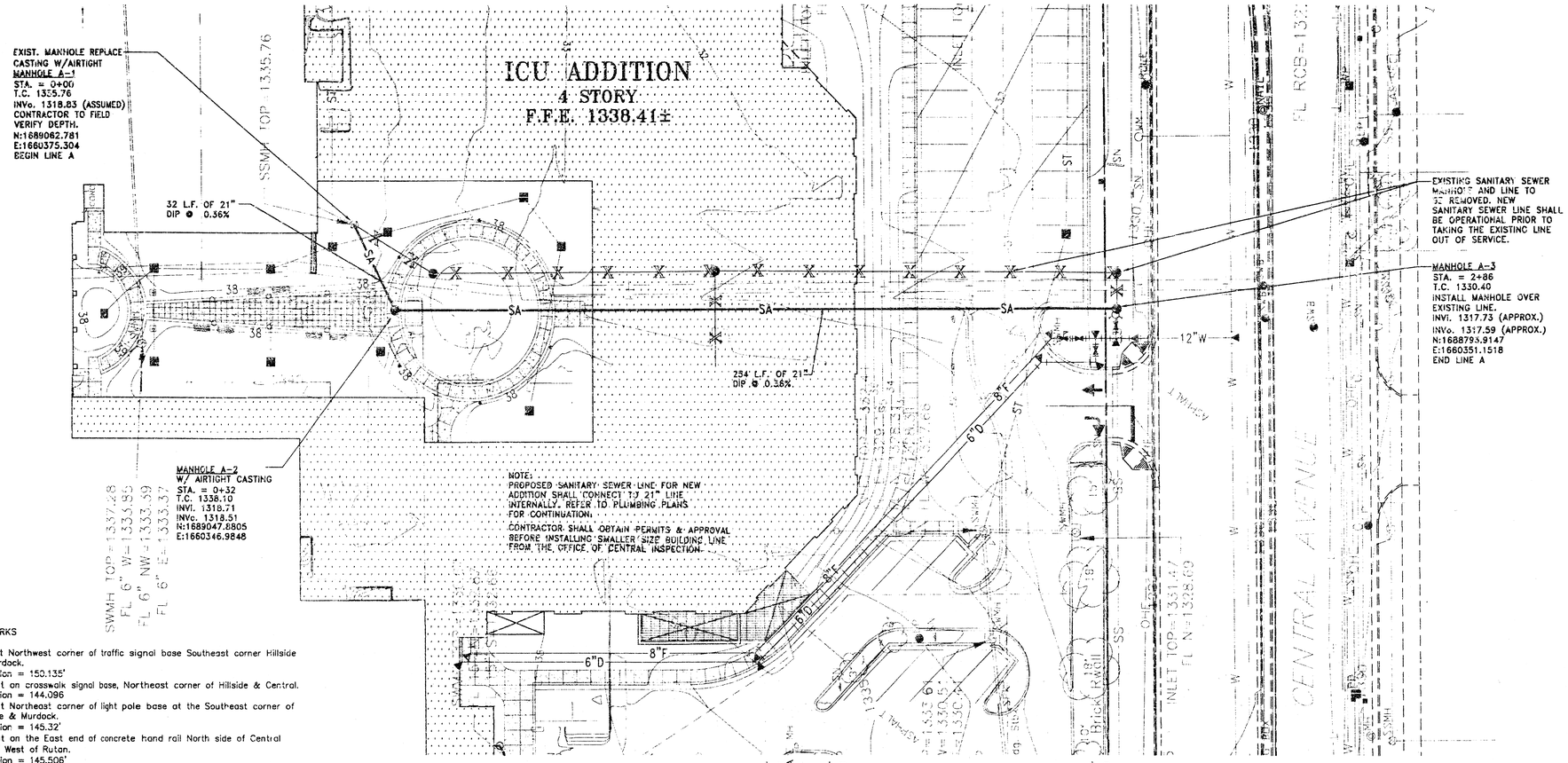
DATE
MARCH 14, 2002

GOULD TURNER GROUP, P.C.
ARCHITECTS & PLANNERS
4450 HARDING ROAD, SUITE 1000
NASHVILLE, TENNESSEE 37205

WESLEY MEDICAL CENTER
ICU ADDITION & RENOVATION
WICHITA, KANSAS
OWNER # 3960071
LL# 20166

GRADING & DRAINAGE PLAN & PROFILE

C3.1



BENCHMARKS

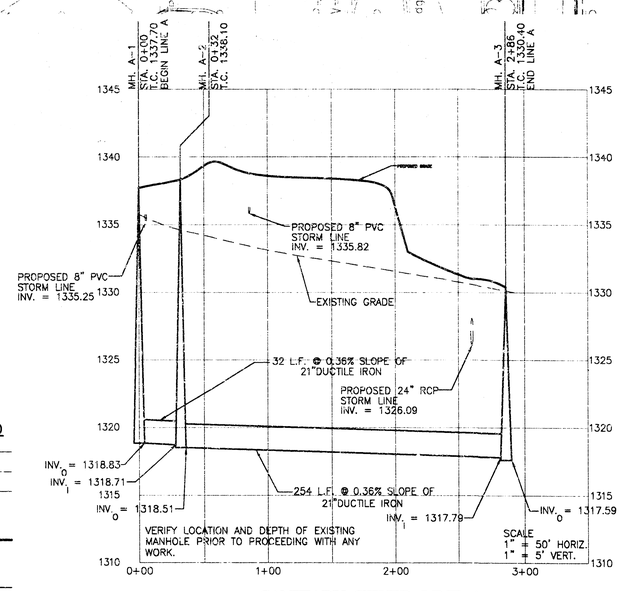
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EXISTING FEATURES LEGEND

- GM – GAS METER
- YLG – YARD LIGHT 0'-2'
- E/TC MH – ELECTRIC MANHOLE
- SIG LIGHT – SIGNAL LIGHT
- SIN – TREE AND DIAMETER
- SIN – TREE AND DIAMETER
- SN – SIGN
- IP – IRON BAR
- O – BUSH
- PP – POWER POLE AND DEADMAN
- EGE – ELECTRIC BOX
- CO – CLEANOUT
- E – UNDERGROUND ELECTRIC LINE
- X – FENCE
- BM – BENCHMARK
- SWMH – STORM WATER MANHOLE
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- SWB – TELEPHONE MANHOLE
- BUILDINGS
- OHE – OHE – OVERHEAD ELECTRIC LINE
- PEDT – PEDESTAL
- XCUT – CHISLED "X" CUT
- OVERHANG
- WM – WATER METER
- SPRINKLER HEAD
- RETAINING WALL
- LIGHT POLE 15'-HIGHER
- FH – FIRE HYDRANT
- WV – WATER VALVE
- WM – WATER METER
- IRRIGATION CONTROL VALVE
- CURB INLET
- TELEPHONE RISER
- STORM SEWER LINE
- W – W – WATER LINE
- SANITARY SEWER LINE
- G – G – GAS LINE
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- INLET
- POW OF BUSHES
- RD – ROOF DRAIN
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PROPOSED FEATURES LEGEND

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- GAS LINE – G
- WATER LINE WITH 90° THRUST BLOCK
- SANITARY SEWER LINE WITH CLEANOUT
- NEW FIRE HYDRANT
- UNDERGROUND ELECTRIC – UGE – UGE



SANITARY SEWER LINE A

NOTE:
THE CONTRACTOR SHALL FIELD VERIFY THE EXACT HORIZONTAL AND VERTICAL LOCATION OF THE EXISTING SANITARY SEWER MANHOLE PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER

NOTE

SEE SHEET C2.0 FOR GENERAL NOTES.

0 5 10 15 20 40 60

SCALE : 1" = 20'

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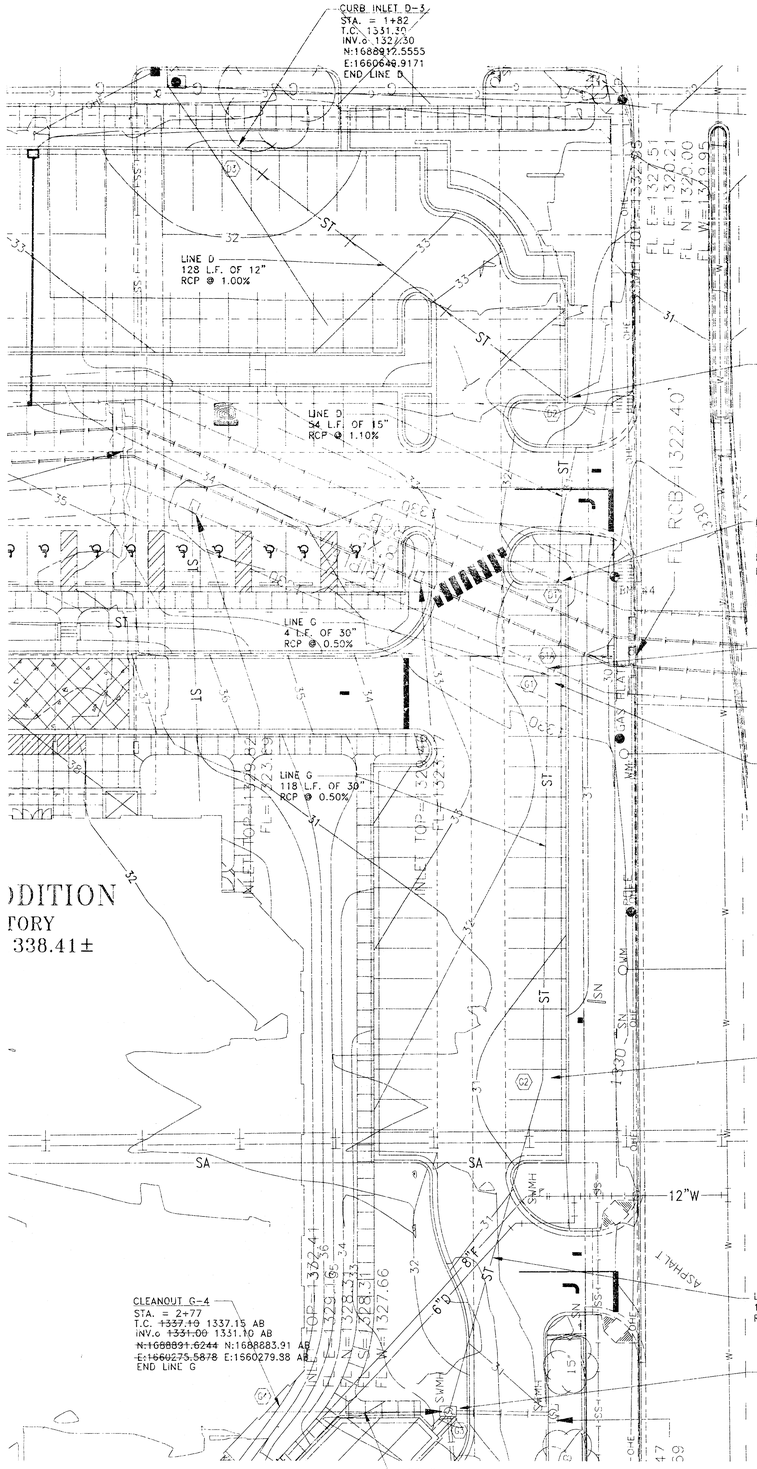
REVISIONS
DATE
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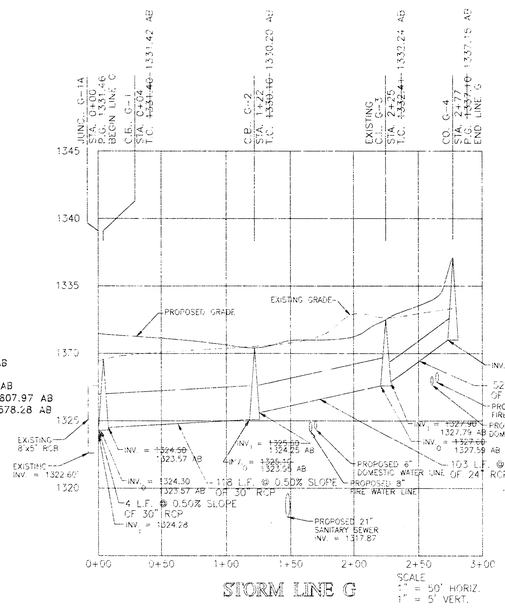
WESLEY MEDICAL CENTER
ICU ADDITION & RENOVATION
WICHITA, KANSAS
OWNER# 37608001
LEA# 20186

SANITARY SEWER PLAN & PROFILE
C4.0

DWG

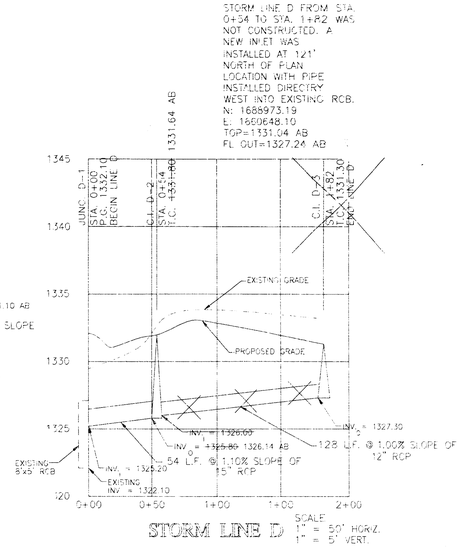
ET CO AT 8T





STORM LINE G

SCALE
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1" = 5' VERT.



STORM LINE D

SCALE
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- OVERHANG
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AS-BUILT DECEMBER 2003

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WESLEY MEDICAL CENTER
ICU ADDITION & RENOVATION
WICHITA, KANSAS

GOULD TURNER GROUP, P.C.
ARCHITECTS & PLANNERS
ALL CENTER
RENOVATION
WICHITA, KANSAS

REVISIONS DATE
MARCH 14, 2003

GRADING & DRAINAGE PLAN & PROFILE
C3.1