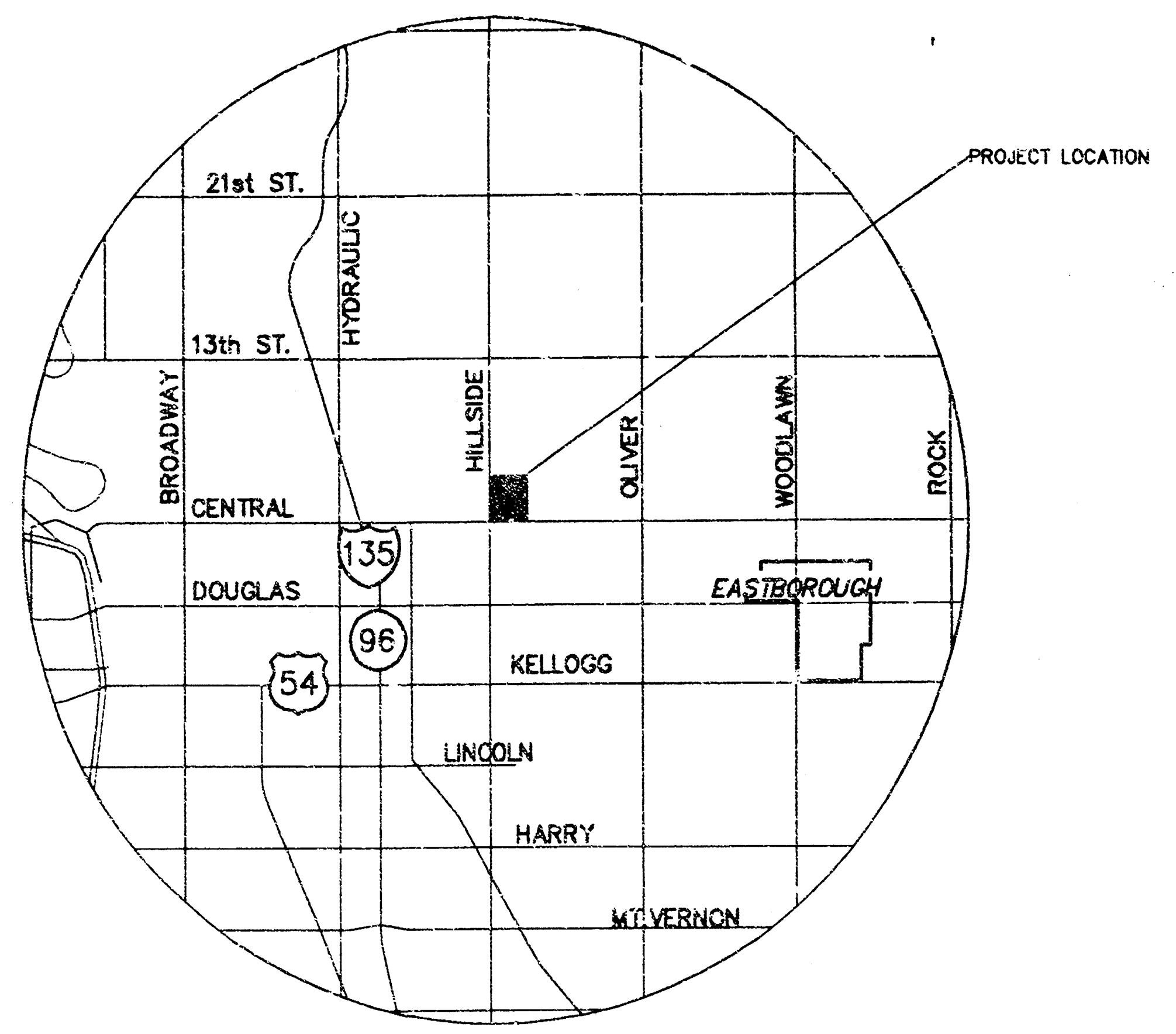
PRIVATE GRADING / DRAINAGE & SANITARY SEWER PLANS

WESLEY MEDICAL CENTER

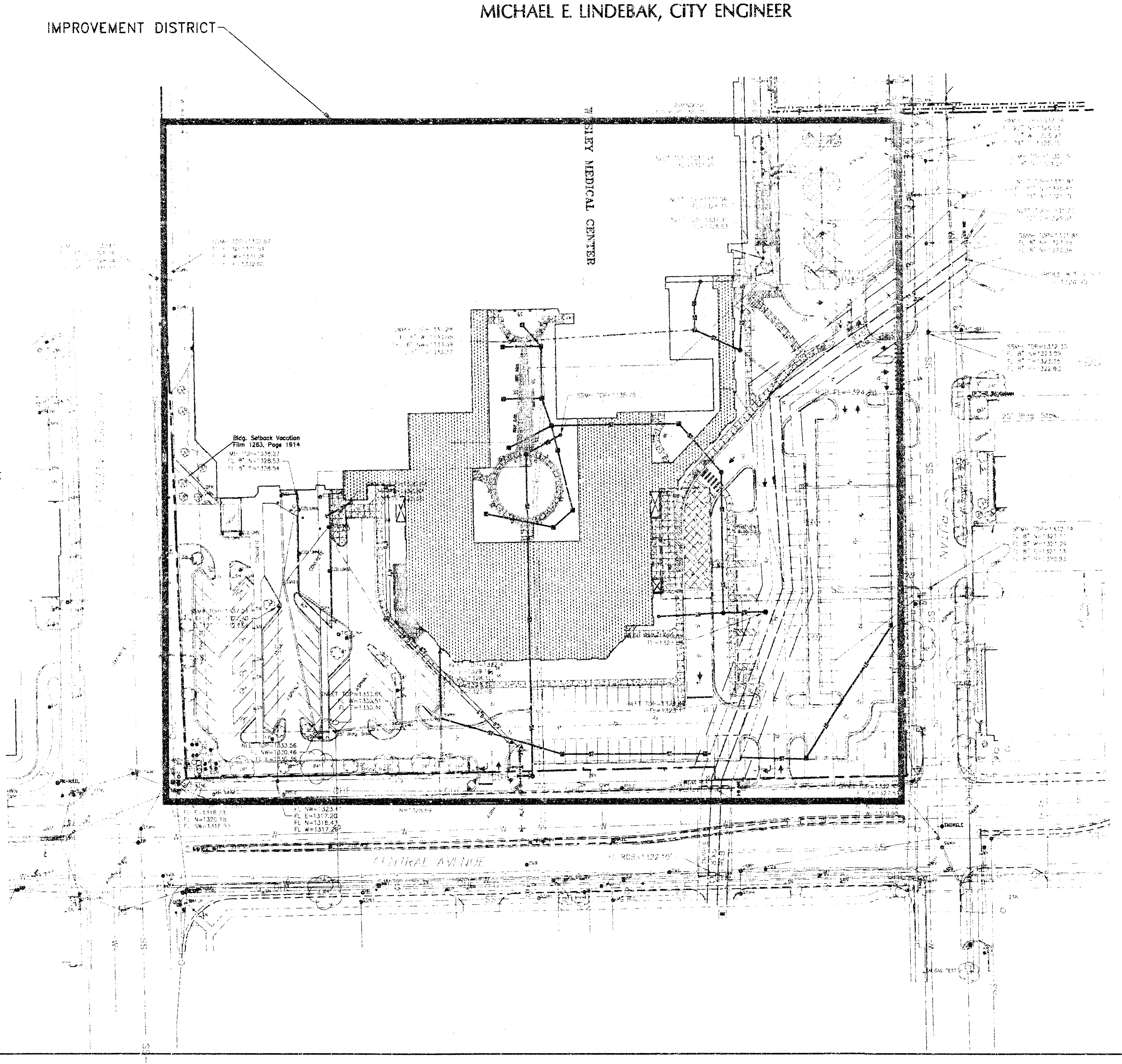
ICU ADDITION & RENOVATION

PRIVATE PROJECT # 1221PPS(607861)

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



LOCATION MAP



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 ____

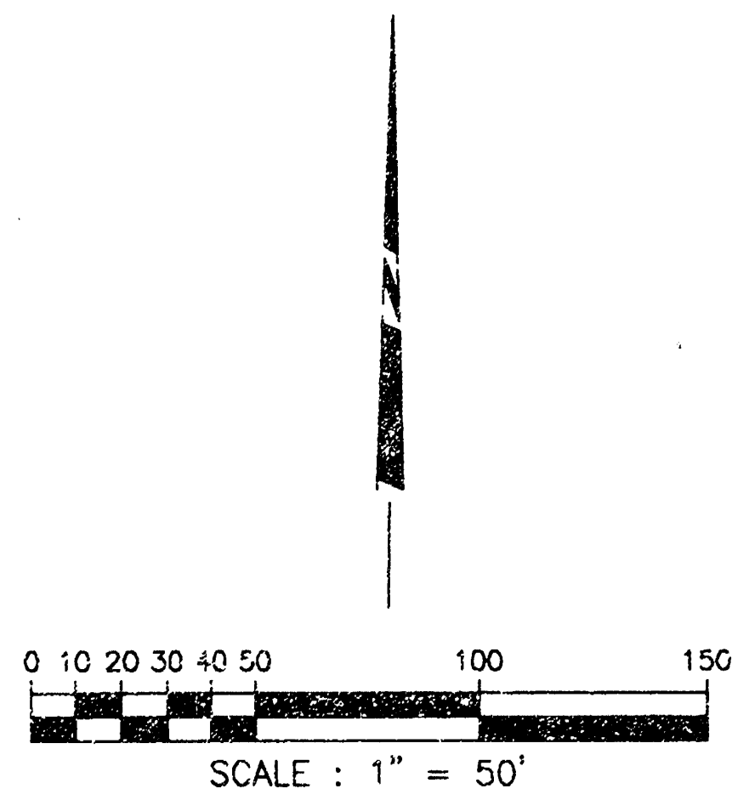
INDEX TO DRAWINGS

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

SS Booked
4/20/04
RDL .PDF



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

UCOV.DWG

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# 316080011
LEA# 20186

4/1/02

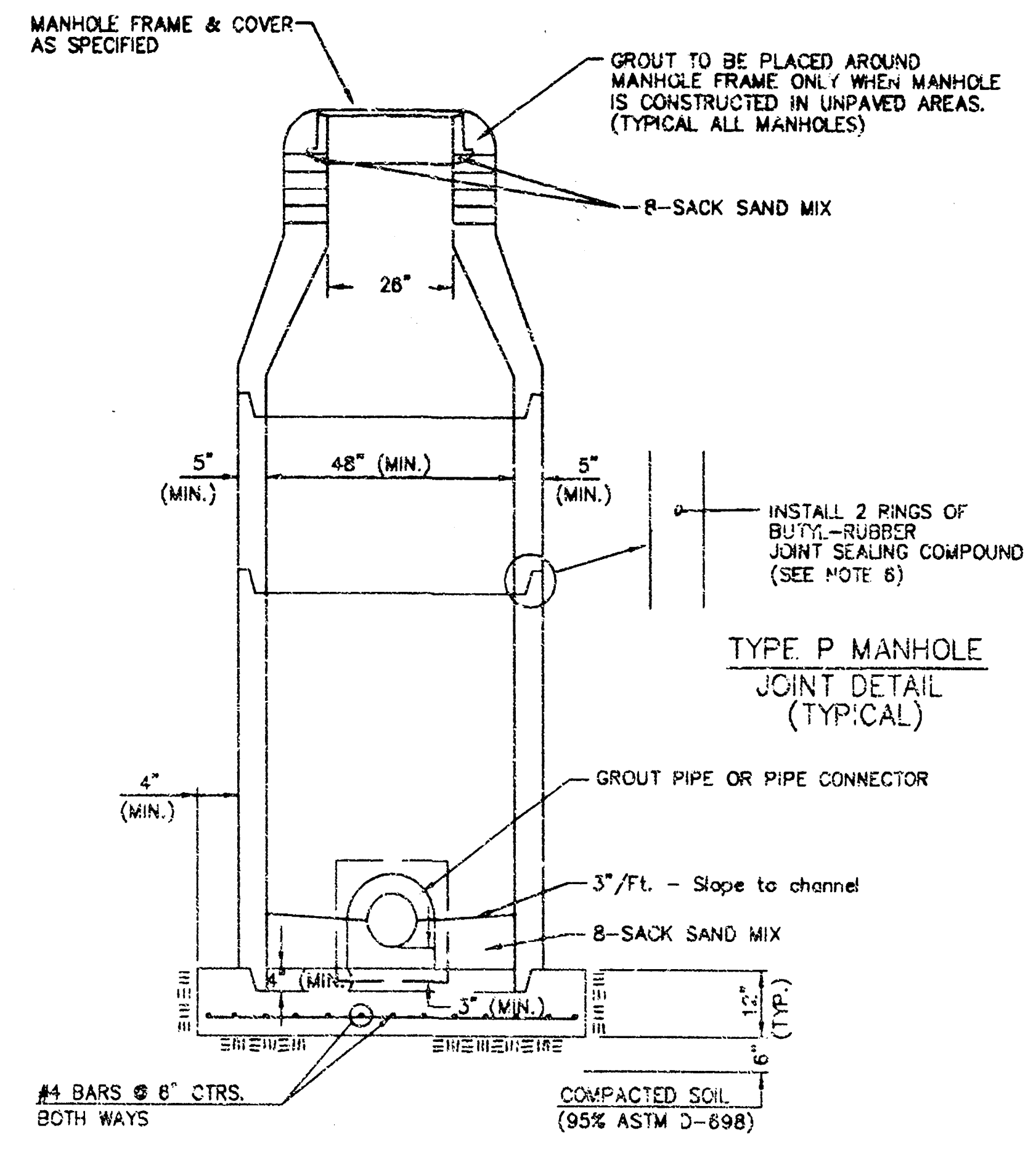
COVER SHEET
C1.0

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. 200 328 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

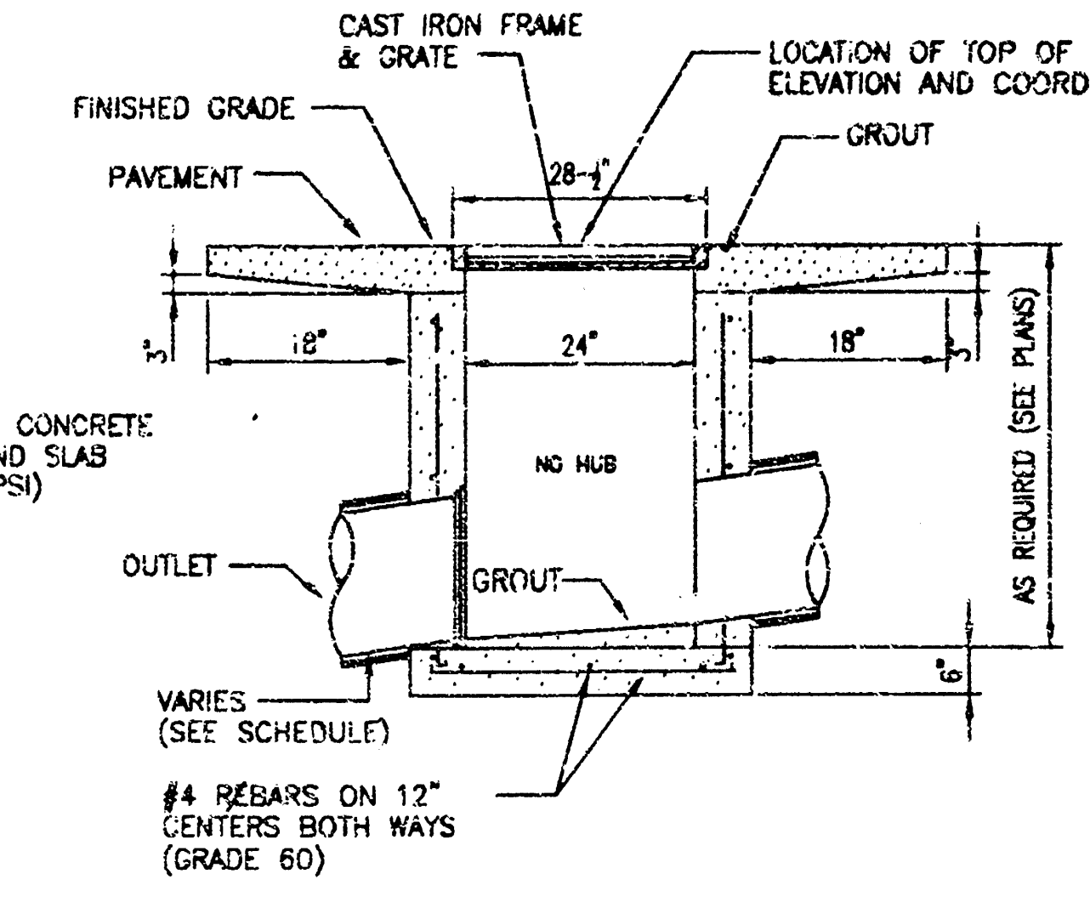
1. THE SANITARY SEWER SHALL BE CLASS 52 DUCTILE IRON PIPE (DIP).
2. ALL SEWER LINES AND APPURTENANCES SHALL BE OF MATERIALS AND CONSTRUCTION THAT CONFORM TO THE DEPARTMENT OF WATER AND SEWERAGE SERVICES REQUIREMENTS AND SPECIFICATIONS.
3. THE CONTRACTOR SHALL MAINTAIN 10 FEET HORIZONTAL SEPARATION BETWEEN 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 MANHOLES 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.


MANHOLE FRAME & COVER AS SPECIFIED
GROUT TO BE PLACED AROUND MANHOLE FRAME ONLY WHEN MANHOLE IS CONSTRUCTED IN UNPAVED AREAS. (TYPICAL ALL MANHOLES)
8-SACK SAND MIX
28"
5" (MIN.)
48" (MIN.)
5" (MIN.)
INSTALL 2 RINGS OF BUTYL-RUBBER JOINT SEALING COMPOUND (SEE NOTE 6)
TYPE P MANHOLE JOINT DETAIL (TYPICAL)
4" (MIN.)
GROUT PIPE OR PIPE CONNECTOR
3"/Ft. - Slope to channel
8-SACK SAND MIX
4" (MIN.)
3" (MIN.)
12" (TYP.)
6"
#4 BARS @ 6" CTRS. BOTH WAYS
COMPACTED SOIL (95% ASTM D-698)

5

CITY OF WICHITA STANDARD TYPE "P" MANHOLE

NOT TO SCALE


CAST IRON FRAME & GRATE
LOCATION OF TOP OF CASTING ELEVATION AND COORDINATE POINT
FINISHED GRADE
GROUT
PAVEMENT
28-1/2"
18"
24"
18"
POURED CONCRETE WALL AND SLAB (3500 PSI)
NO HUB
OUTLET
GROUT
AS REQUIRED (SEE PLANS)
6"
VARIES (SEE SCHEDULE)
#4 REBARS ON 12" CENTERS BOTH WAYS (GRADE 60)

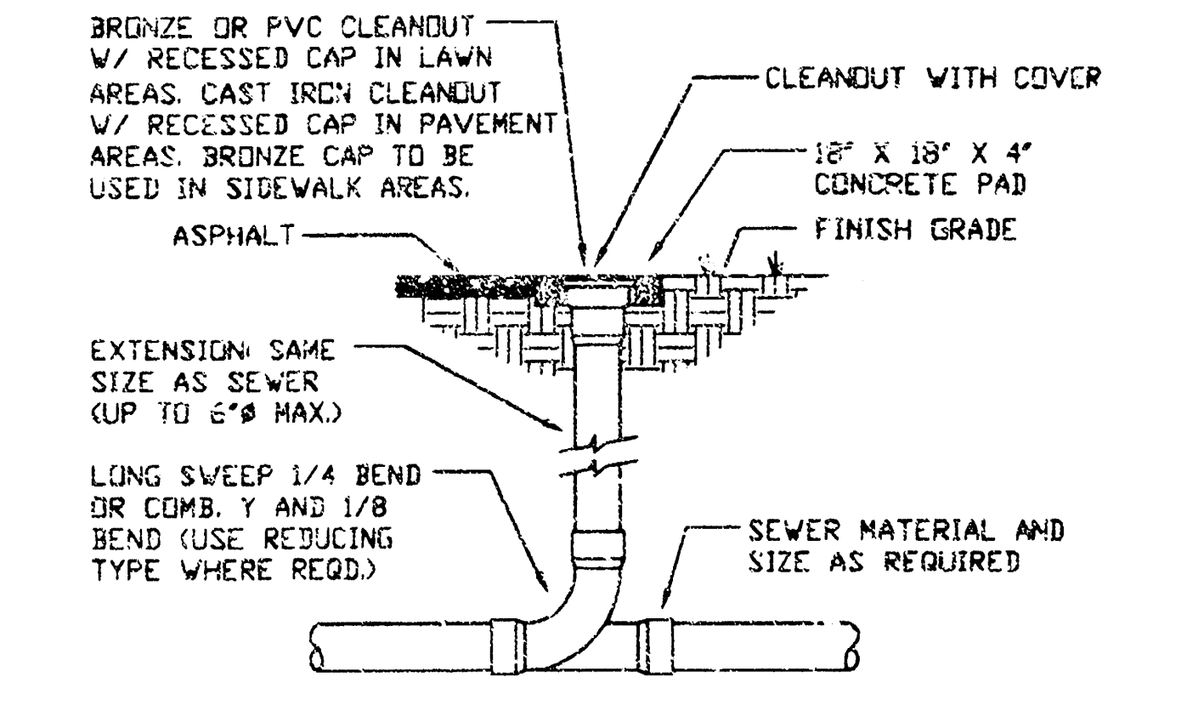
*PROVIDE REDUCER RING AS NECESSARY TO ACCOMODATE PROPOSED CASTING. ADJUST STRUCTURE DIMENSIONS AS NECESSARY TO RECEIVE STORM PIPE ON SKEWS.

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

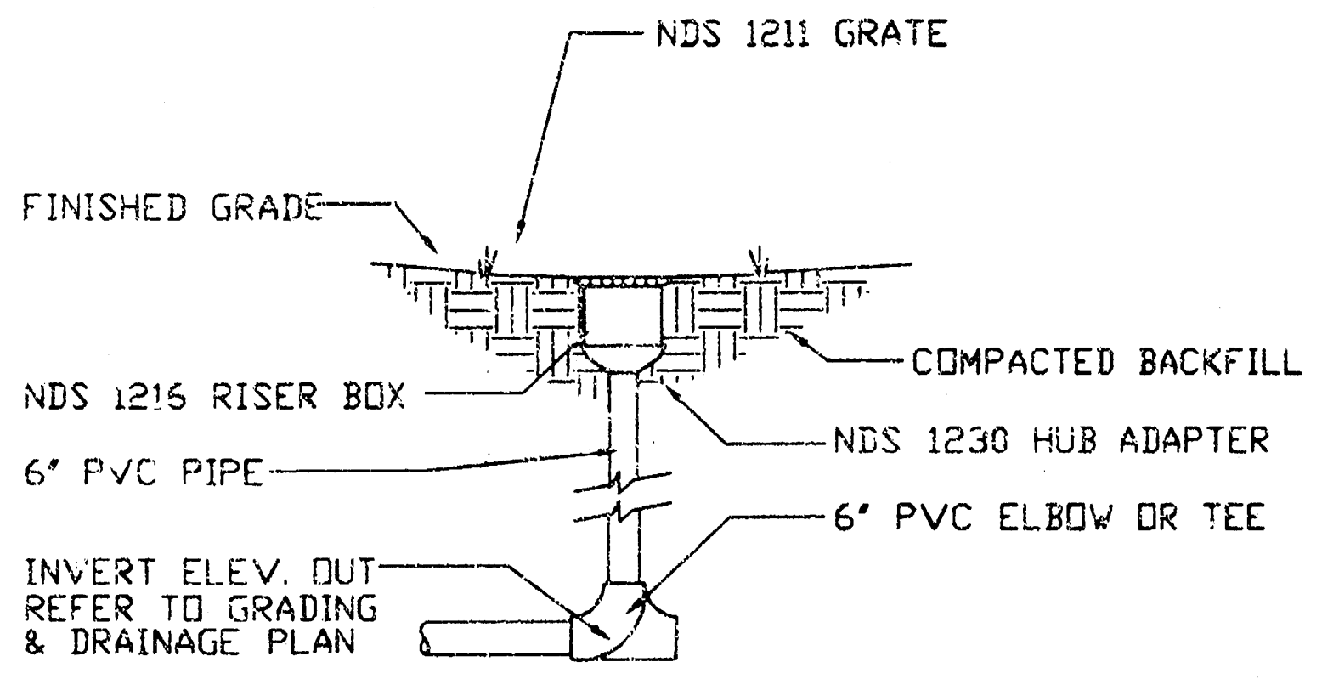
NOT TO SCALE


BRONZE OR PVC CLEANOUT W/ RECESSED CAP IN LAWN AREAS. CAST IRON CLEANOUT W/ RECESSED CAP IN PAVEMENT AREAS. BRONZE CAP TO BE USED IN SIDEWALK AREAS.
CLEANOUT WITH COVER
18" X 18" X 4" CONCRETE PAD
FINISH GRADE
ASPHALT
EXTENSION SAME SIZE AS SEWER (UP TO 6"ø MAX.)
LONG SWEEP 1/4 BEND OR COMB. Y AND 1/8 BEND (USE REDUCING TYPE WHERE REQD.)
SEWER MATERIAL AND SIZE AS REQUIRED

2

CLEANOUT

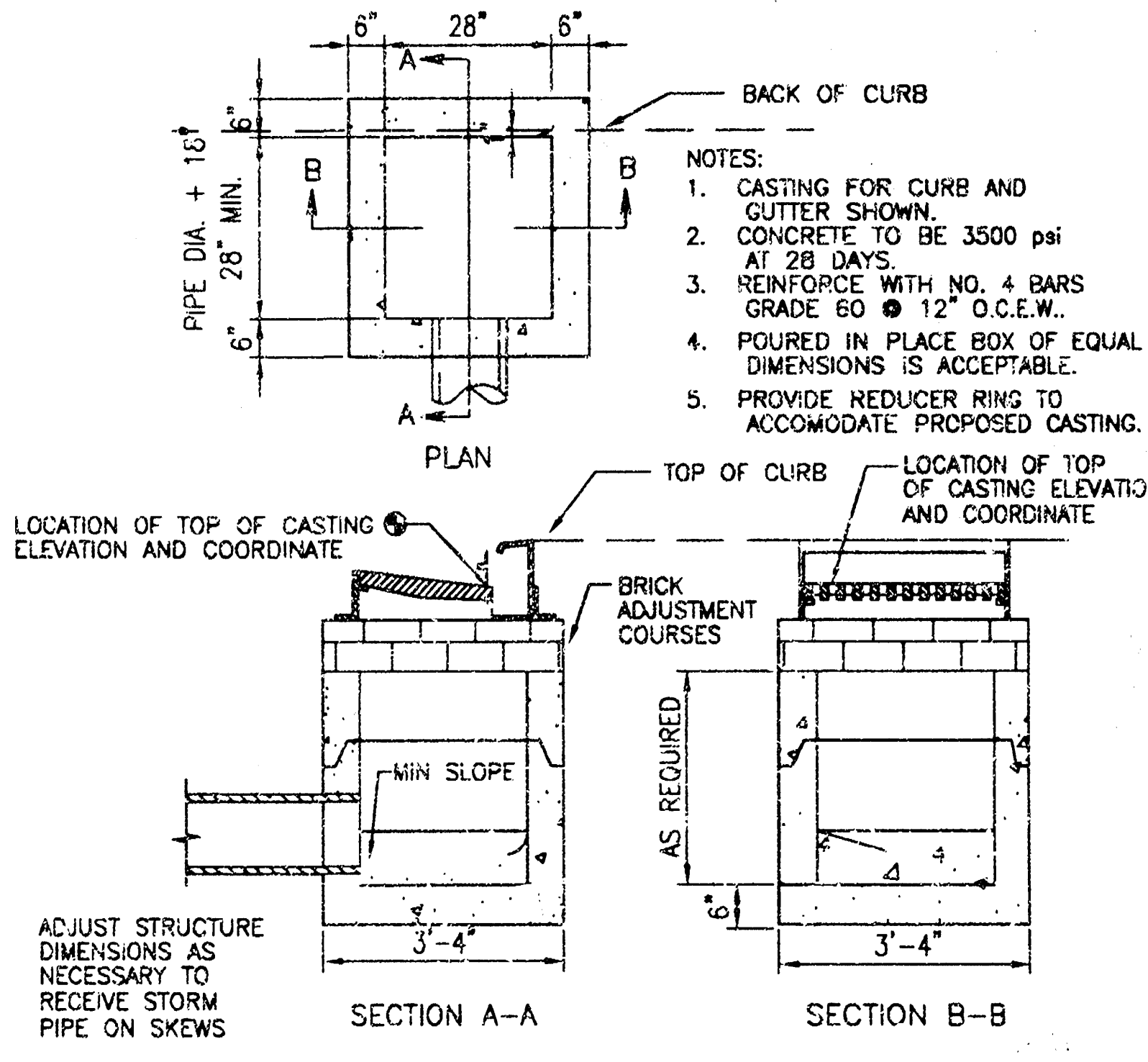
NOT TO SCALE



3

NDS DRAIN INLET

NOT TO SCALE


6"
28"
6"
A
BACK OF CURB
B
B
PIPE DIA. + 18" 28" MIN.
6"
6"
A
PLAN
TOP OF CURB
LOCATION OF TOP OF CASTING ELEVATION AND COORDINATE
LOCATION OF TOP OF CASTING ELEVATION AND COORDINATE
BRICK ADJUSTMENT COURSES
MIN SLOPE
AS REQUIRED
6"
3'-4"
3'-4"
ADJUST STRUCTURE DIMENSIONS AS NECESSARY TO RECEIVE STORM PIPE ON SKEWS
SECTION A-A
SECTION B-B

NOTES:
1. CASTING FOR CURB AND GUTTER SHOWN.
2. CONCRETE TO BE 3500 psi AT 28 DAYS.
3. REINFORCE WITH NO. 4 BARS GRADE 60 @ 12" O.C.E.W..
4. POURED IN PLACE BOX OF EQUAL DIMENSIONS IS ACCEPTABLE.
5. PROVIDE REDUCER RING TO ACCOMODATE PROPOSED CASTING.

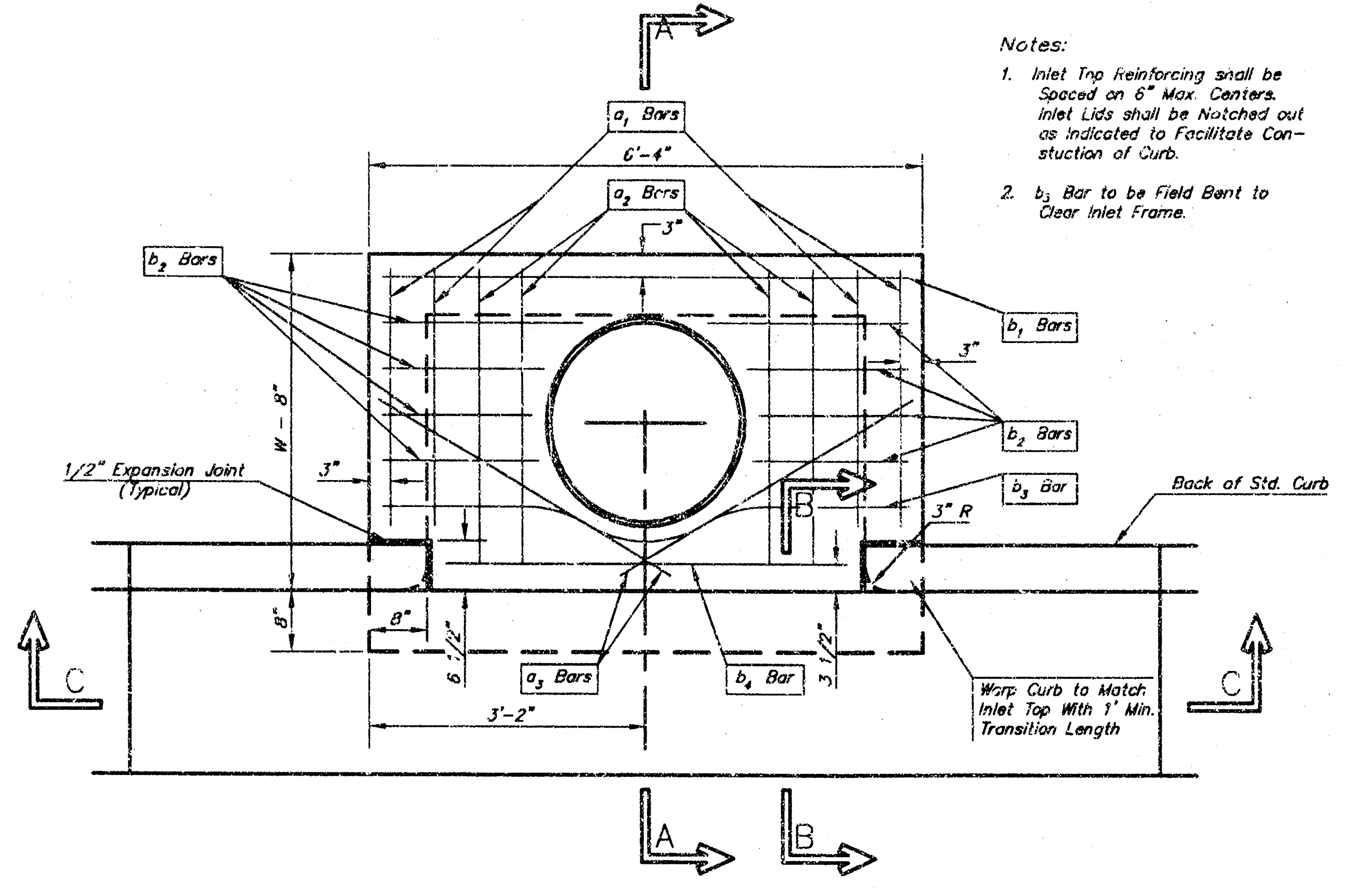
James H. [illegible]
4/2/02

4

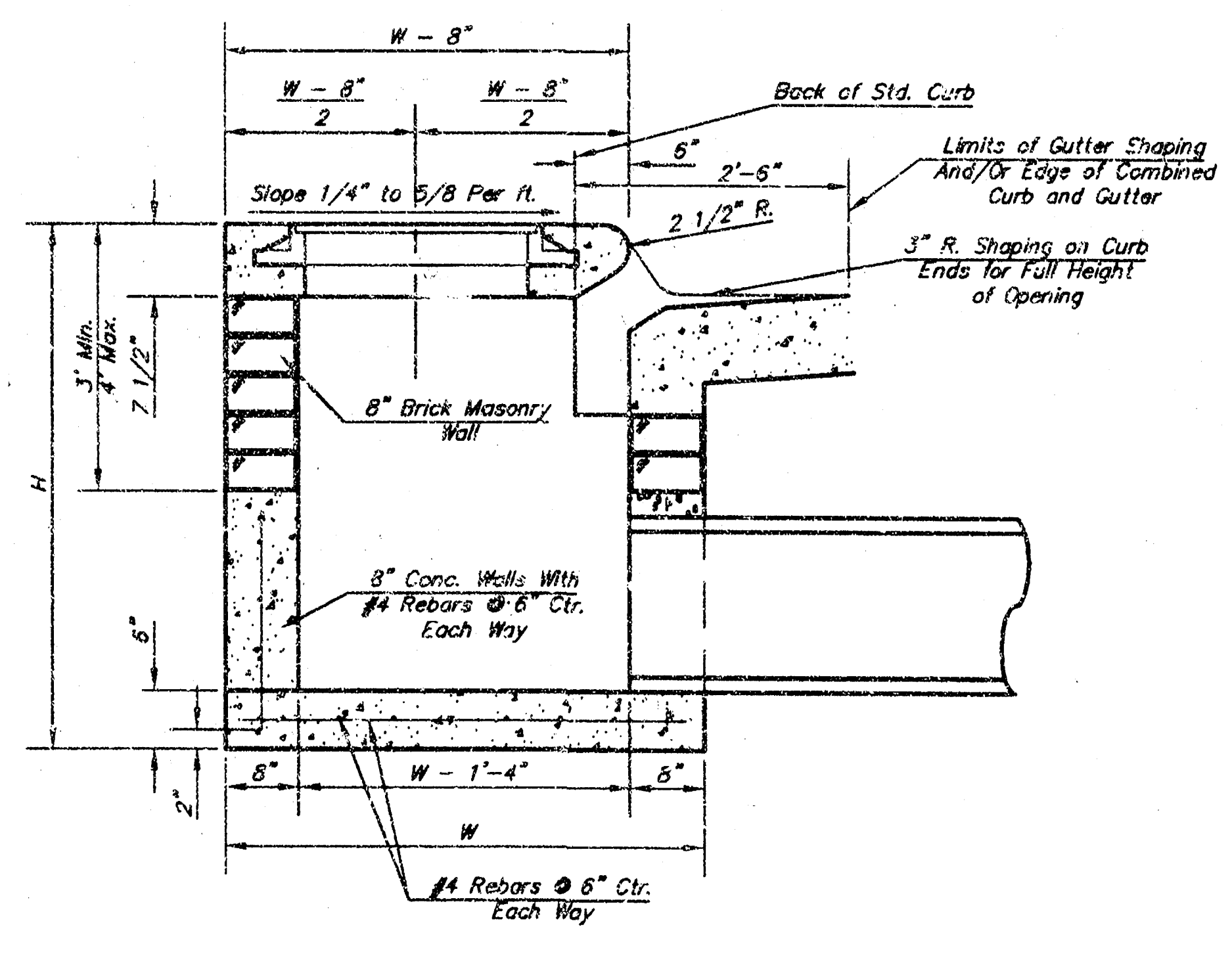
SINGLE INLET

NOT TO SCALE

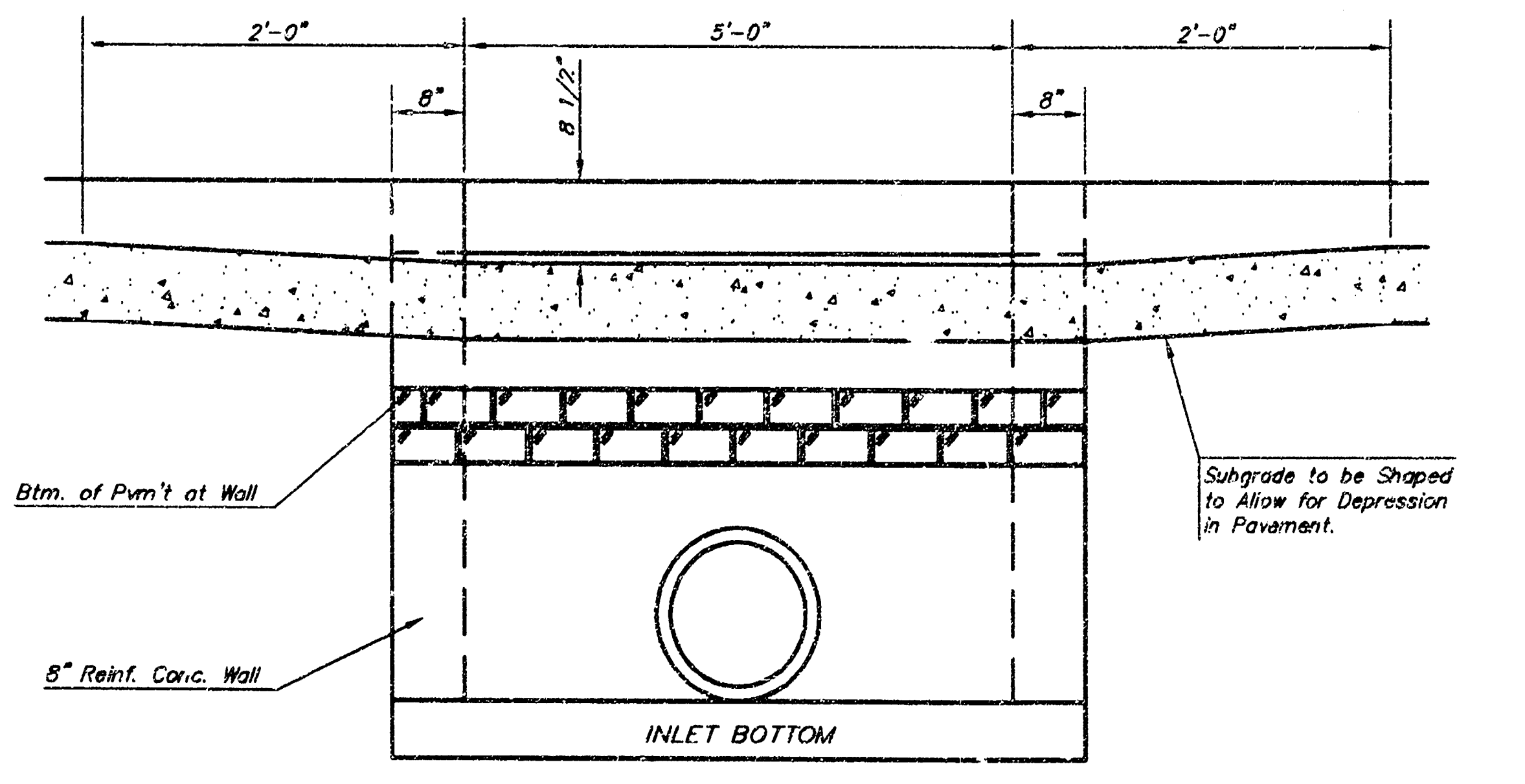
Notes:
1. Inlet Top Reinforcing shall be Spaced on 6" Max Centers. Inlet Lids shall be Notched out as Indicated to Facilitate Construction of Curb.
2. b_1 Bar to be Field Bent to Clear Inlet Frame.



PLAN


W - 8"
W - 8" / 2
W - 8" / 2
Back of Std. Curb
6"
2'-6"
Limits of Gutter Shaping And/Or Edge of Combined Curb and Gutter
Slope 1/4" to 5/8 Per ft.
2 1/2" R.
3" R. Shaping on Curb Ends for Full Height of Opening
5" Min. 7 1/2"
8" Brick Masonry Wall
H
8" Conc. Walls With #4 Rebars @ 6" Ctr. Each Way
6"
8"
W - 1'-4"
8"
6"
W
#4 Rebars @ 6" Ctr. Each Way

SECTION A-A



SECTION C-C

STEEL SCHEDULE

BAR		a_1	a_2	a_3	b_1 W=4'-4"	b_1 W=5'-4"	b_1 W=6'-4"	b_1 W=7'-4"	b_1 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±

6

CITY OF WICHITA STANDARD TYPE 1 CURB INLET

NOT TO SCALE

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

REVISIONS:

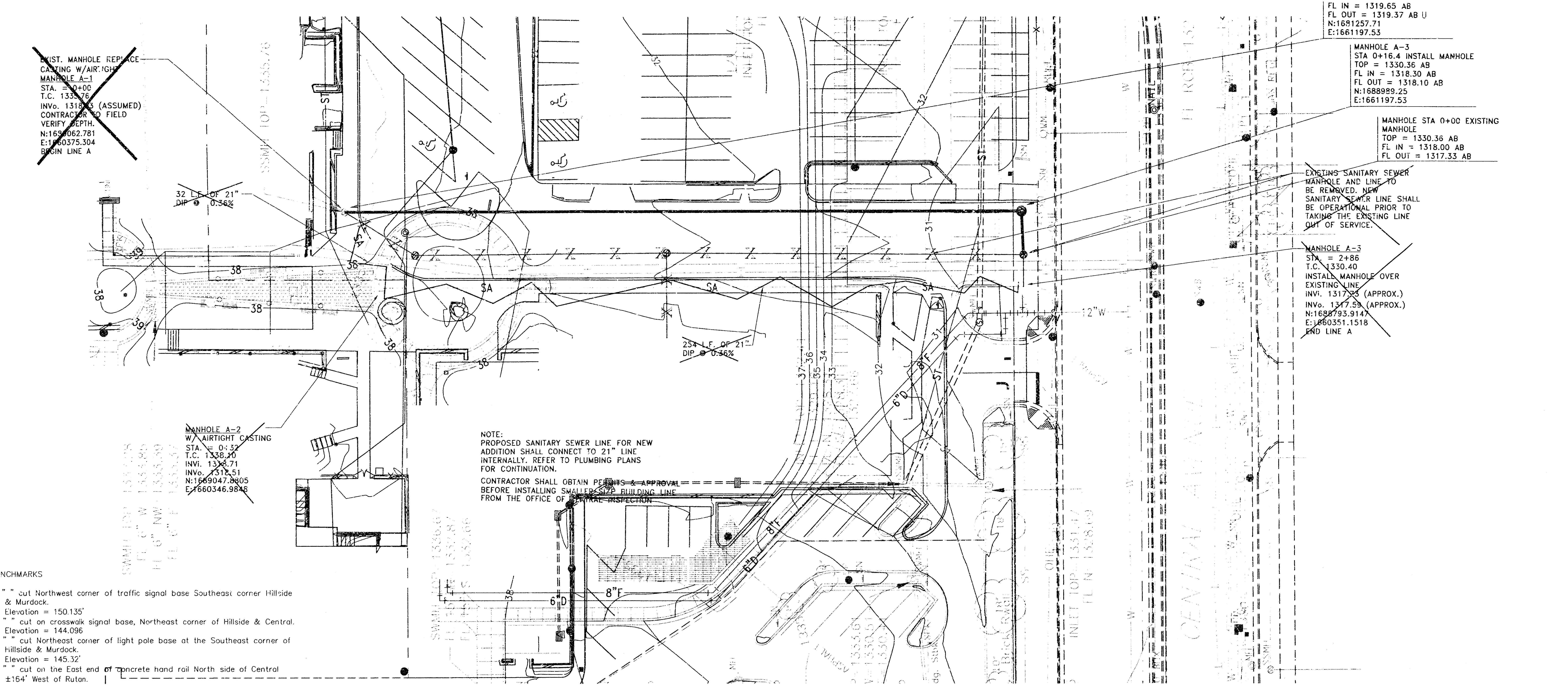
DATE:
MARCH 14, 2002

GOULD TURNER GROUP, P.C.
ARCHITECTS & PLANNERS
4400 HARDING ROAD, SUITE 1600
NASHVILLE, TENNESSEE 37205

WESLEY MEDICAL CENTER
ICU ADDITION & RENOVATION
WICHITA, KANSAS
OWNER# 3160BGTT
LE# 20186

SITE DETAILS & NOTES
C2.0

\construction\ICU Addition\City Submittal\0186icud1.dwg



NOTE:
PROPOSED SANITARY SEWER LINE FOR NEW ADDITION SHALL CONNECT TO 21" LINE INTERNALLY. REFER TO PLUMBING PLANS FOR CONTINUATION.

CONTRACTOR SHALL OBTAIN PERMITS & APPROVAL BEFORE INSTALLING SMALLER SIZE BUILDING LINE FROM THE OFFICE OF CENTRAL INSPECTION

BENCHMARKS

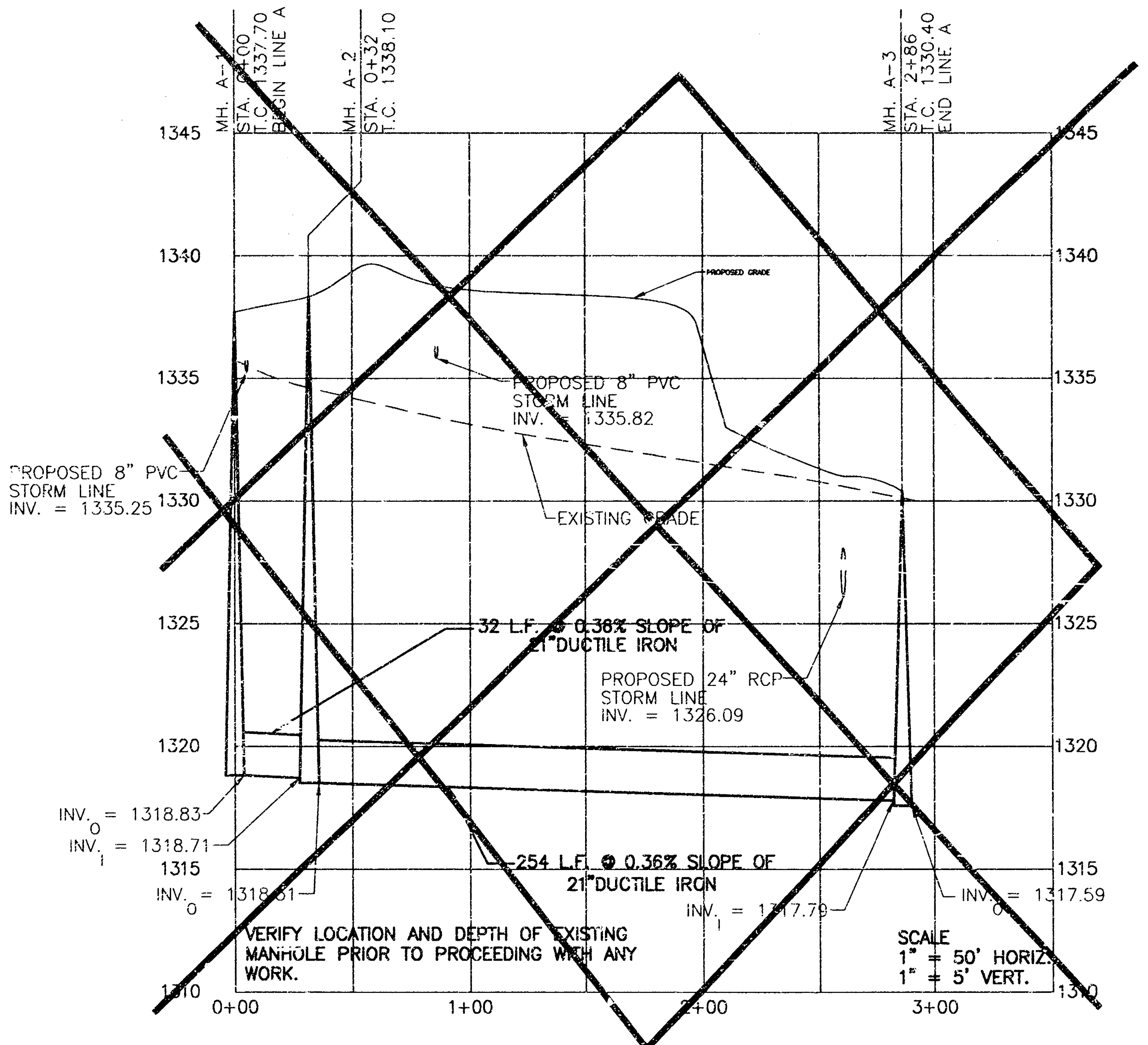
1. " " cut Northwest corner of traffic signal base Southeast corner Hillside & Murdock.
   Elevation = 150.135'
2. " " cut on crosswalk signal base, Northeast corner of Hillside & Central.
   Elevation = 144.096
3. " " cut Northeast corner of light pole base at the Southeast corner of Hillside & Murdock.
   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 Edgernont, 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

EXISTING FEATURES LEGEND

●GM	GAS METER
●YLG	YARD LIGHT 0'-2'
○ELEC MH	ELECTRIC MANHOLE
●SIG LIGHT	SIGNAL LIGHT
✱6IN	TREE AND DIAMETER
5IN	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
ⓈSWMH	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	··O··
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

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

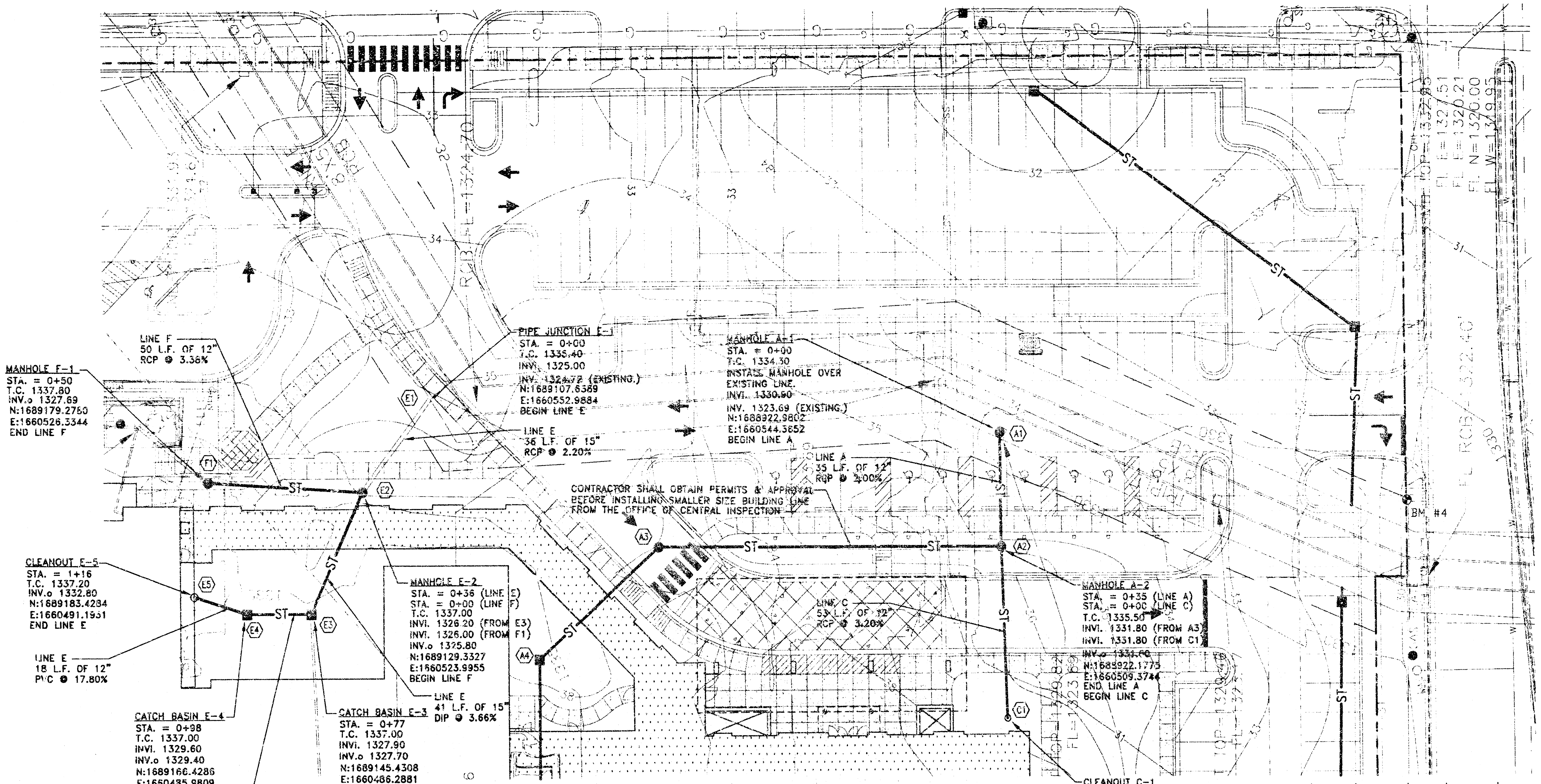
REVISIONS:

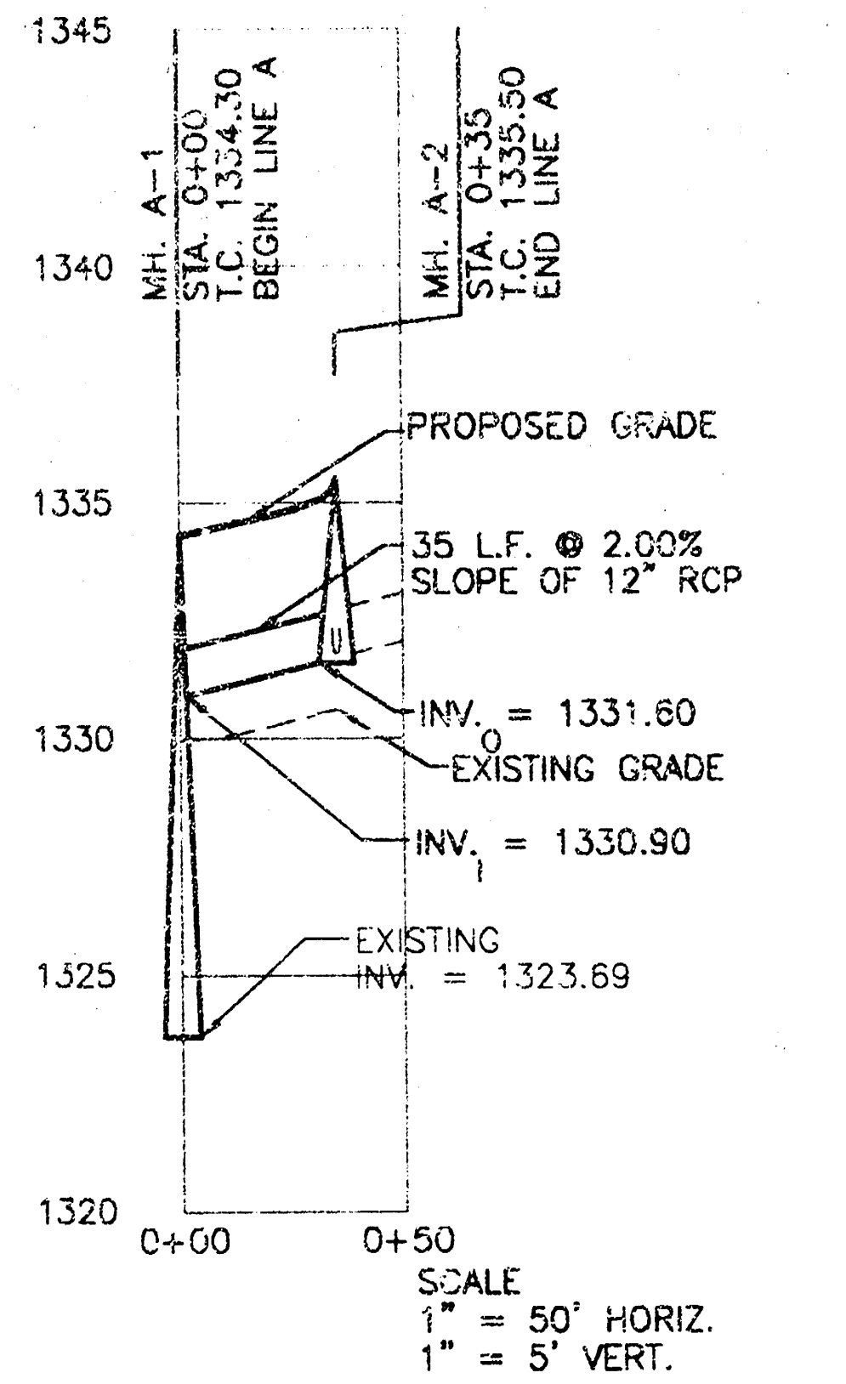
DATE:
MARCH 14, 2002

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

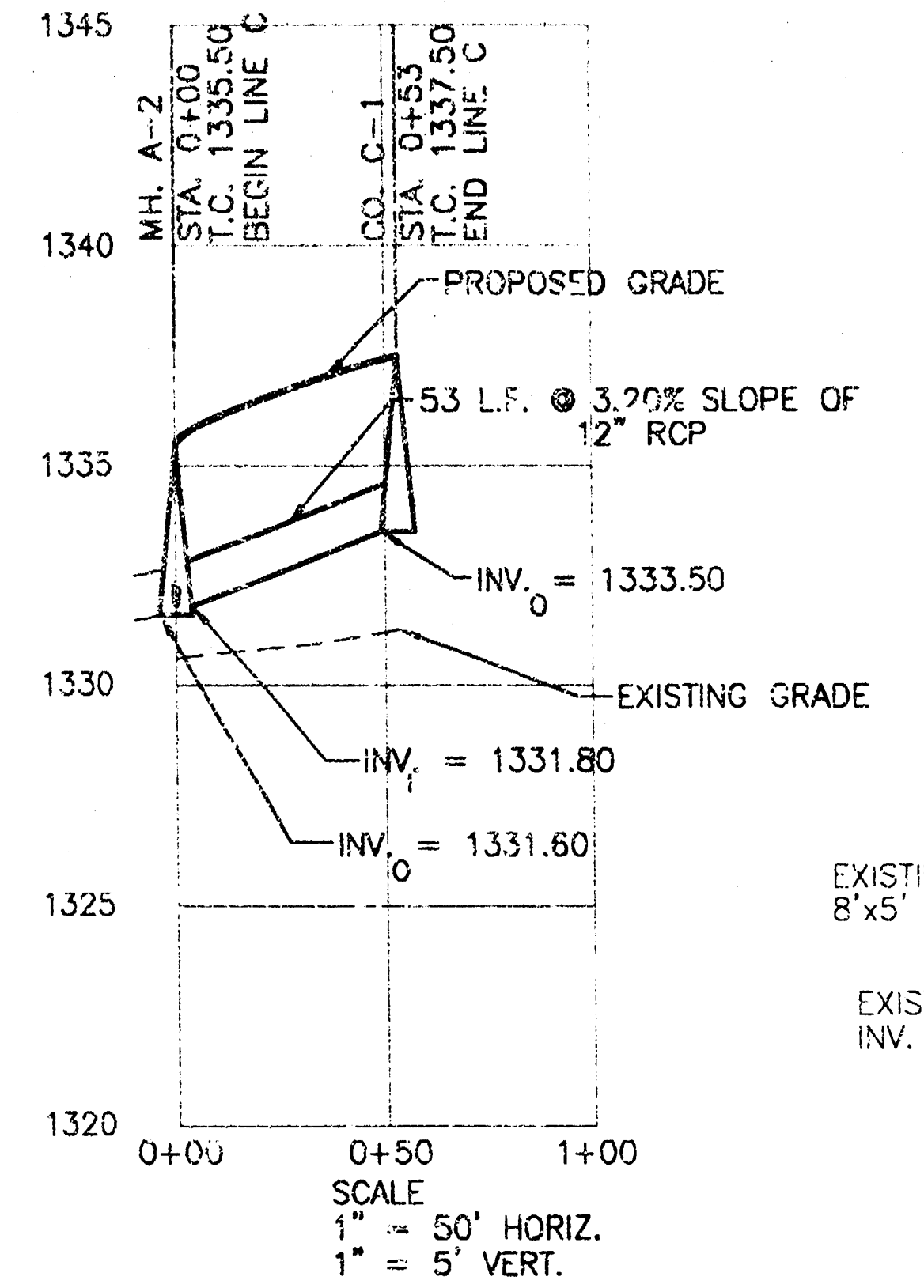
WESLEY MEDICAL CENTER
ICU ADDITION & RENOVATION
WICHITA, KANSAS
OWNER# 3160B0011
LEA# 2018E

SANITARY SEWER PLAN & PROFILE
C4.0

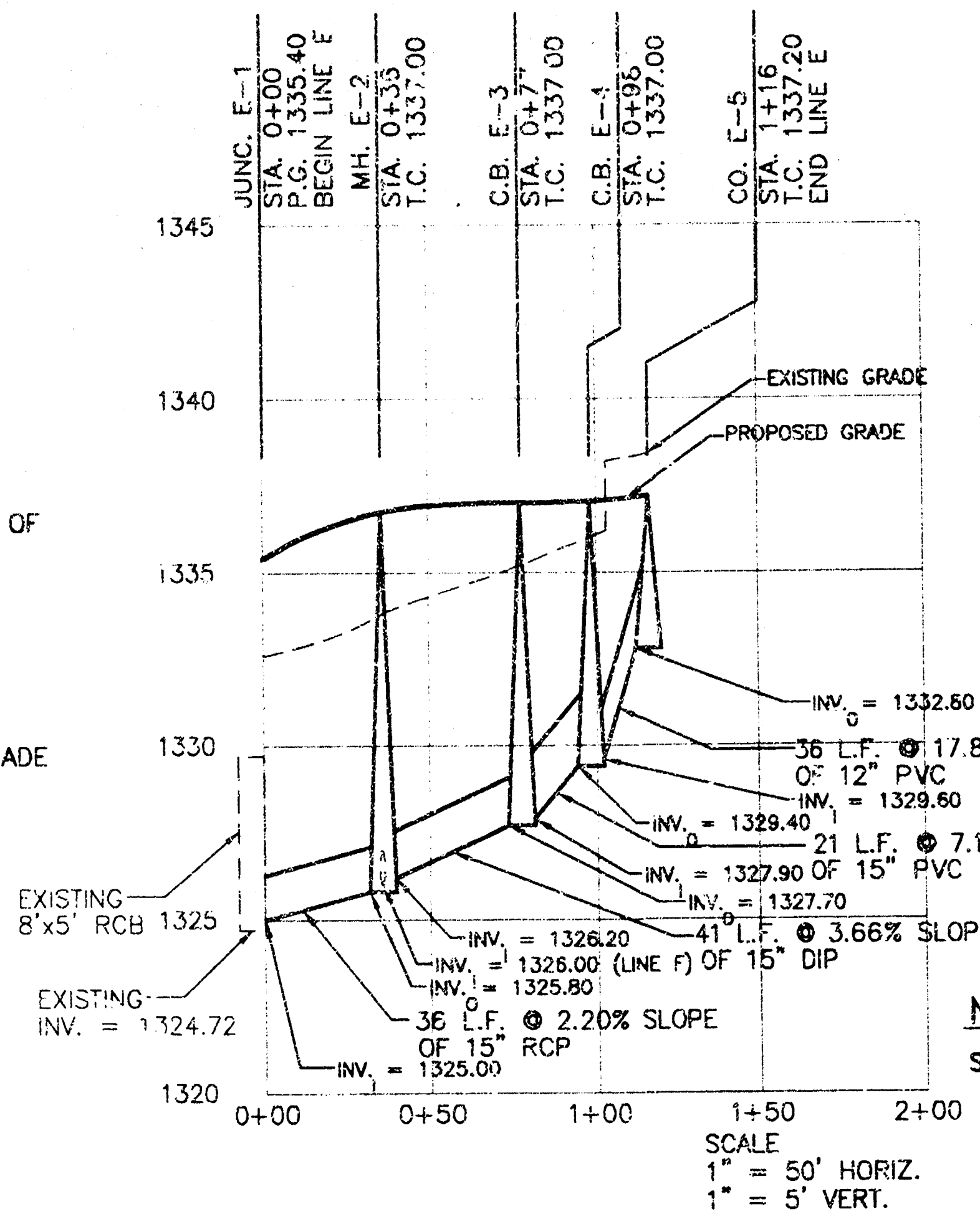




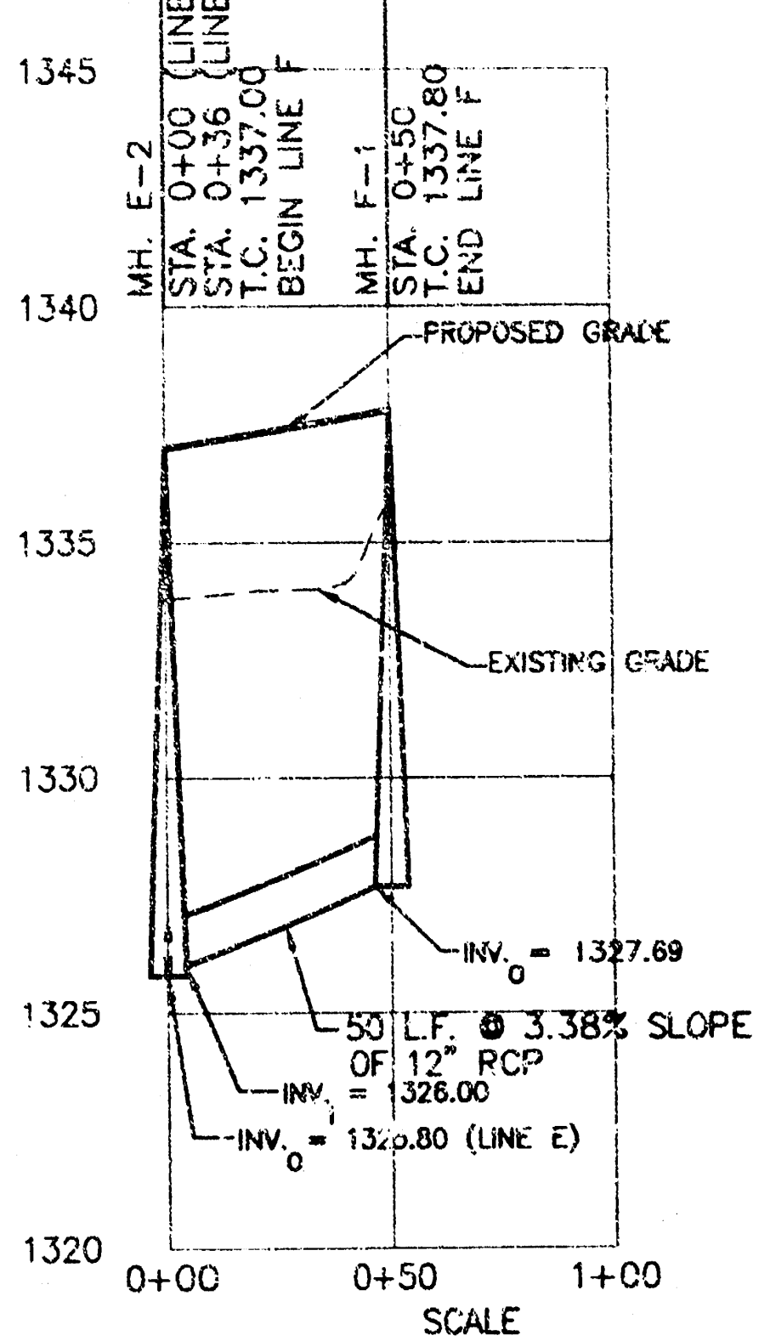
STORM LINE A



STORM LINE C



STORM LINE E



STORM LINE F

EXISTING FEATURES LEGEND

Symbol	Description
GM	GAS METER
YLG	YARD LIGHT 0'-2'
ELEC MH	ELECTRIC MANHOLE
SIG LIGHT	SIGNAL LIGHT
6IN	TREE AND DIAMETER
3IN	TREE AND DIAMETER
SN	SIGN
IP	IRON BAR
○	BUSH
PP	POWER POLE AND DEADMAN
KGE	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
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
—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.
   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 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

Description	Symbol
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 —

James H. [illegible]
4/9/02

NOTE

SEE SHEET C2.0 FOR GENERAL NOTES.

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

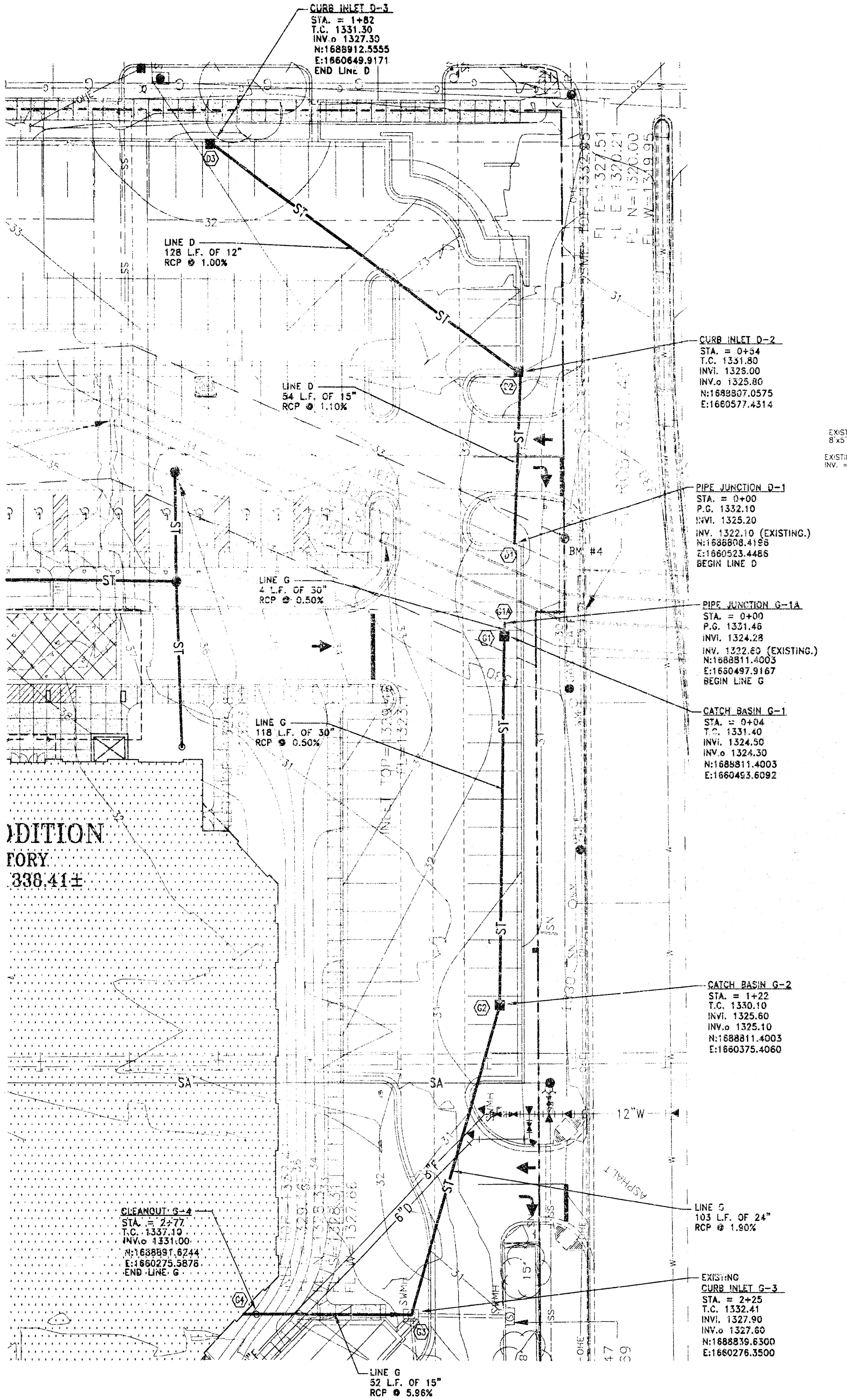
REVISIONS:
DATE
MARCH 14, 2002

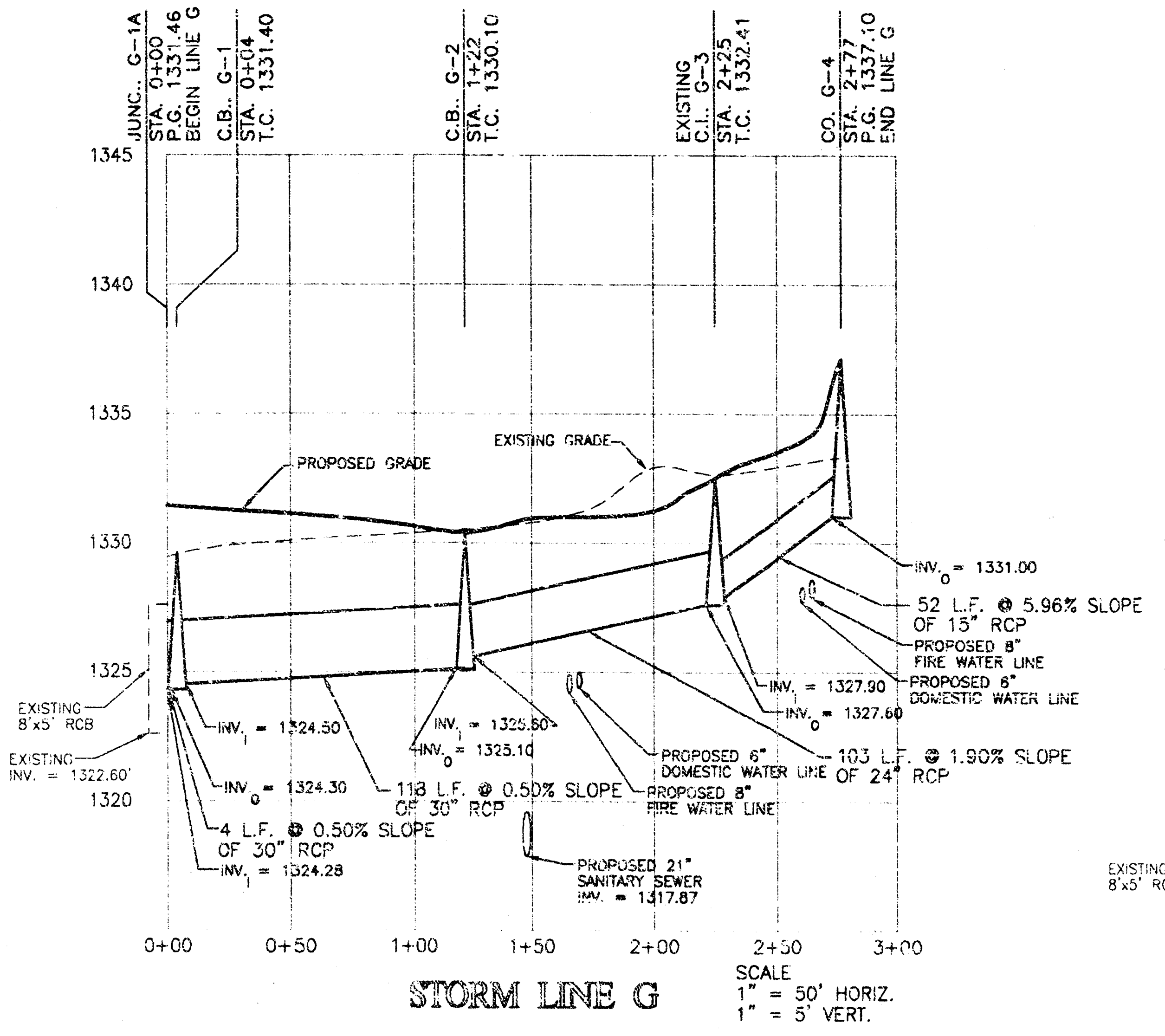
GOULD TURNER GROUP, P.C.
ARCHITECTS & PLANNERS
4400 HARDING ROAD, SUITE 1000
NASHVILLE, TENNESSEE 37205

GOULD TURNER GROUP

WESLEY MEDICAL CENTER
ICU ADDITION & RENOVATION
WICHITA, KANSAS
OWNER# 31-080011
LEA# 2018A

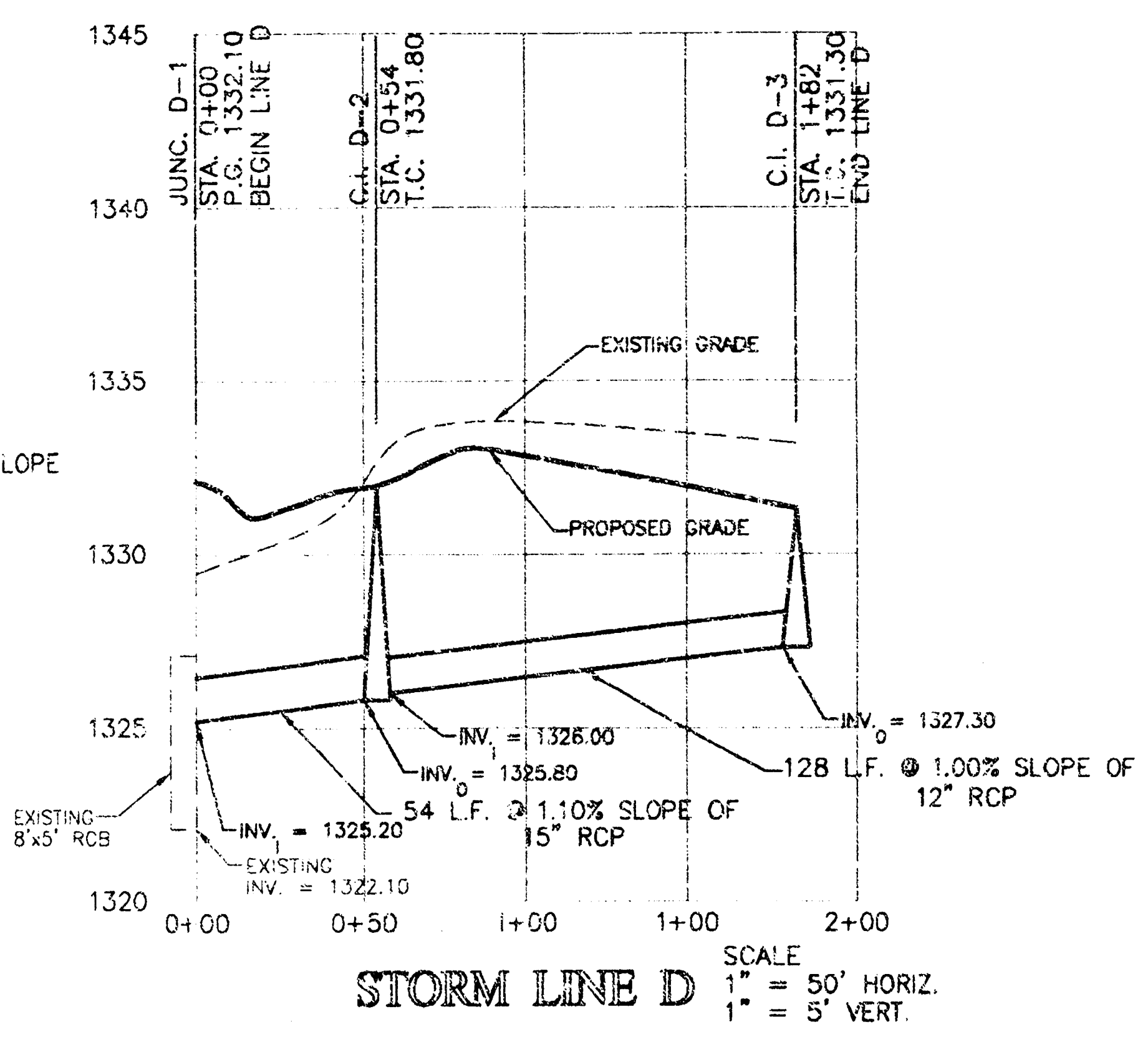
GRADING & DRAINAGE PLAN & PROFILE
C3.0





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	▶I⊸○
UNDERGROUND ELECTRIC	— UGE — UGE — UGE —

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
○	BUSH
PP	POWER POLE AND DEADMAN
■ KGE	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

● POLE	POLE
—V—	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
—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

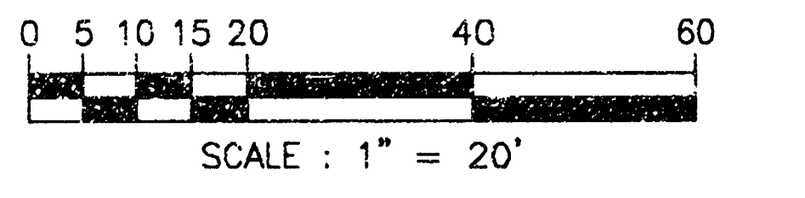
BENCHMARKS

1. " " cut Northwest corner of traffic signal base Southeast corner Hillside & Murdock.
   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 ±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.

4/4/02



SCALE : 1" = 20'

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

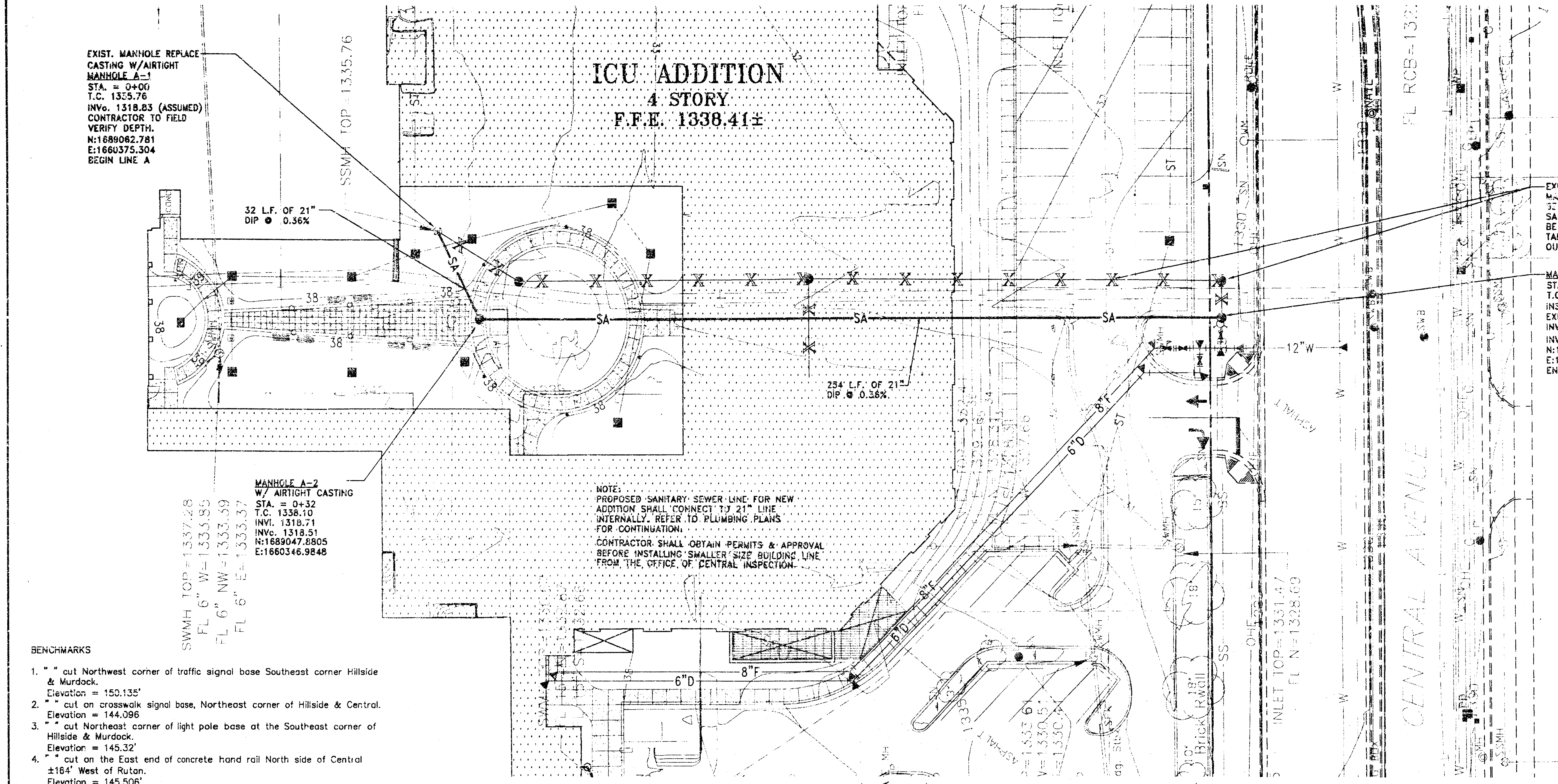
REVISIONS:

DATE
MARCH 14, 2002

GOULD TURNER GROUP, P.C.
ARCHITECTS & PLANNERS
4460 HARDING ROAD, SUITE 1000
NASHVILLE, TENNESSEE 37205

WESLEY MEDICAL CENTER
ICU ADDITION & RENOVATION
WICHITA, KANSAS
OWNER # 316J80011
LEA# 20166

GRADING & DRAINAGE
PLAN & PROFILE
C3.1



EXIST. MANHOLE REPLACE
CASTING W/AIRTIGHT
MANHOLE A-1
STA. = 0+00
T.C. 1335.76
INVo. 1318.83 (ASSUMED)
CONTRACTOR TO FIELD
VERIFY DEPTH.
N:1689062.781
E:1660375.304
BEGIN LINE A

32 L.F. OF 21"
DIP @ 0.36%

MANHOLE A-2
W/ AIRTIGHT CASTING
STA. = 0+32
T.C. 1338.10
INVi. 1318.71
INVo. 1318.51
N:1689047.8805
E:1660346.9848

NOTE:
PROPOSED SANITARY SEWER LINE FOR NEW ADDITION SHALL CONNECT TO 21" LINE INTERNALLY. REFER TO PLUMBING PLANS FOR CONTINUATION.

CONTRACTOR SHALL OBTAIN PERMITS & APPROVAL BEFORE INSTALLING SMALLER SIZE BUILDING LINE FROM THE OFFICE OF CENTRAL INSPECTION.

EXISTING SANITARY SEWER
MANHOLE AND LINE TO
BE REMOVED. NEW
SANITARY SEWER LINE SHALL
BE OPERATIONAL PRIOR TO
TAKING THE EXISTING LINE
OUT OF SERVICE.

MANHOLE A-3
STA. = 2+86
T.C. 1330.40
INSTALL MANHOLE OVER
EXISTING LINE.
INVi. 1317.73 (APPROX.)
INVo. 1317.59 (APPROX.)
N:1688793.9147
E:1660351.1518
END LINE A

BENCHMARKS

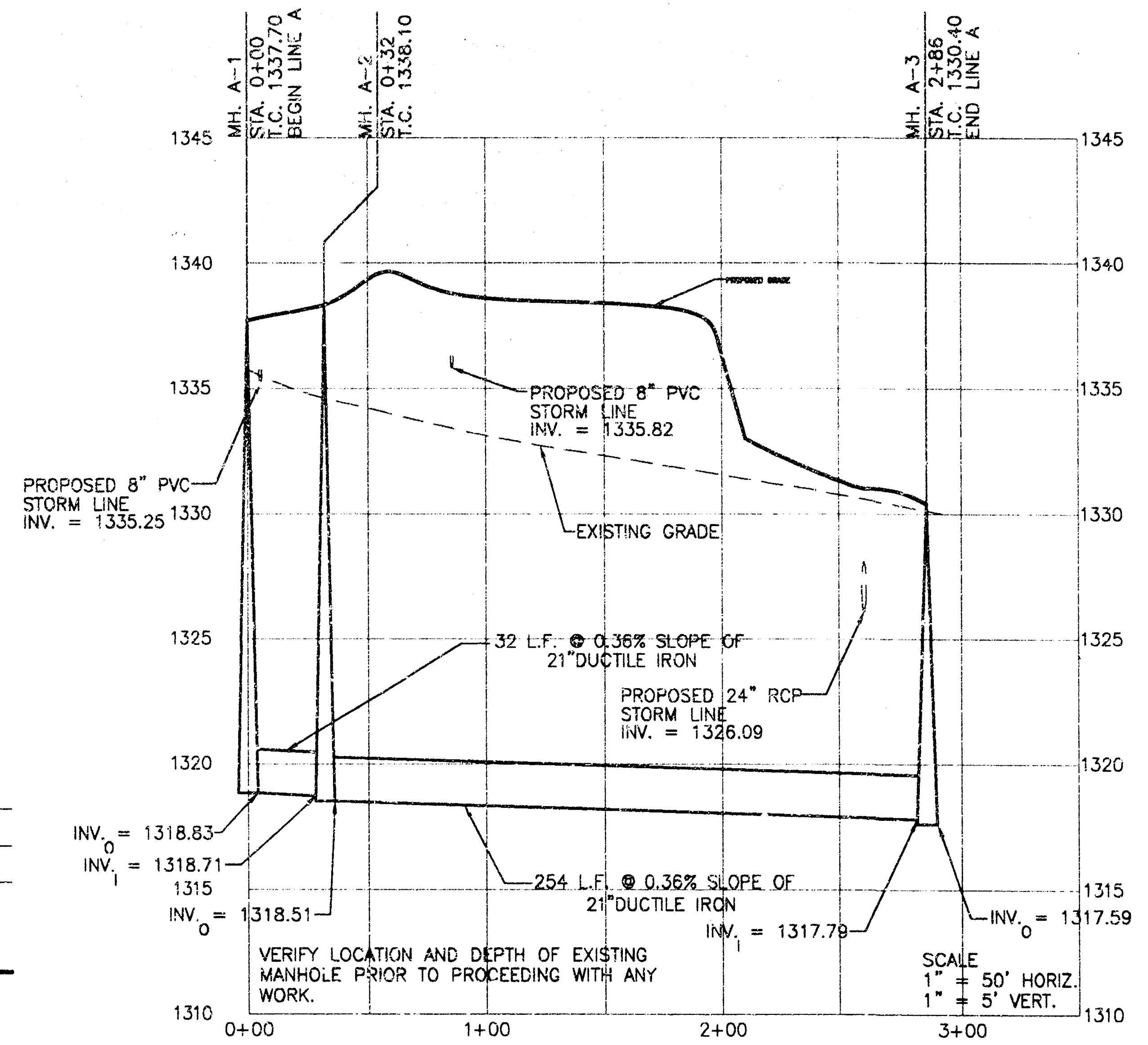
1. " " cut Northwest corner of traffic signal base Southeast corner Hillside & Murdock.
Elevation = 150.135'
2. " " cut on crosswalk signal base, Northeast corner of Hillside & Central.
Elevation = 144.096
3. " " cut Northeast corner of light pole base at the Southeast corner of Hillside & Murdock.
Elevation = 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 Rutan.
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
- ✳8IN – TREE AND DIAMETER
- ○3IN – TREE AND DIAMETER
- SN – SIGN
- ◎IP – IRON BAR
- ○ – BUSH
- ■PP – POWER POLE AND DEADMAN
- ■KGE – ELECTRIC BOX
- ●CO – CLEANOUT
- ——E——E— – UNDERGROUND ELECTRIC LINE
- —×——×——×— – 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
- ● – [illegible]
- – GATE
- ●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

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.

James H.
4/9/02

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

REVISIONS:
DATE
MARCH 14, 2002

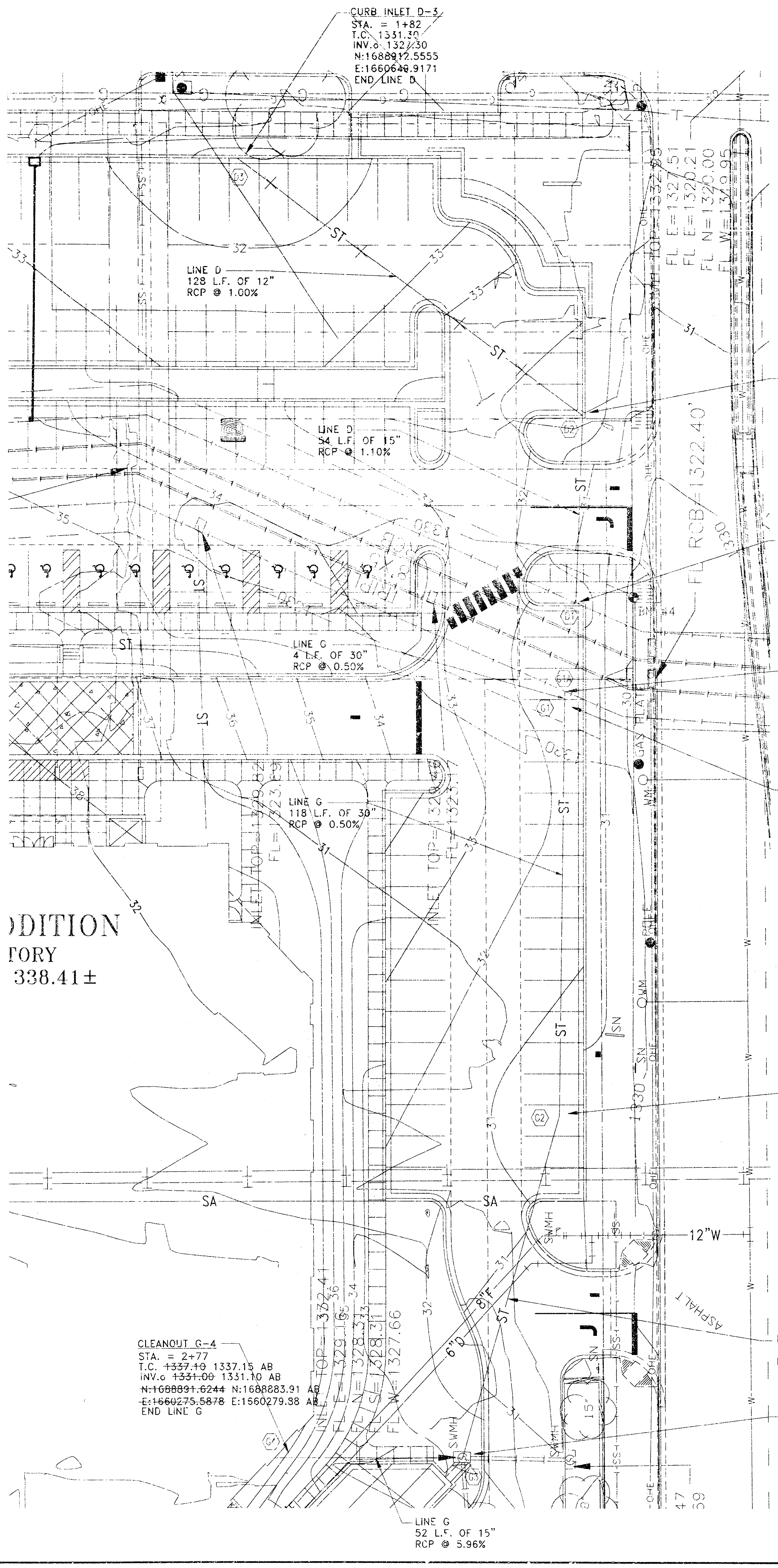
GOULD TURNER GROUP, P.C.
ARCHITECTS & PLANNERS
4400 HARDING ROAD, SUITE 1000
NASHVILLE, TENNESSEE 37205

WESLEY MEDICAL CENTER
ICU ADDITION & RENOVATION
WICHITA, KANSAS
OWNER# 3160801
LEA# 20186

SANITARY SEWER
PLAN & PROFILE
C4.0

DWG

CURB INLET D-3
~~STA. = 1+82~~
~~T.C. 1331.30~~
~~INV.o 1327.30~~
~~N:1688912.5555~~
~~E:1660649.9171~~
~~END LINE D~~



CURB INLET D-2
STA. = 0+54
T.C. ~~1331.80~~ 1331.64 AB
~~INVi. 1326.00~~
INV.o ~~1325.80~~ 1326.14 AB
~~N:1688807.0575~~ N:1688807.97 AB
~~E:1660577.4314~~ E:1660578.28 AB

PIPE JUNCTION D-1
STA. = 0+00
P.G. 1332.10
INVi. 1325.20
INV. 1322.10 (EXISTING.)
N:1688808.4196
E:1660523.4486
BEGIN LINE D

PIPE JUNCTION G-1A
STA. = 0+00
P.G. 1331.46
INVi. 1324.28
INV. 1322.60 (EXISTING.)
N:1688811.4003
E:1660497.9167
BEGIN LINE G

CATCH BASIN G-1
STA. = 0+04
T.C. ~~1331.40~~ 1331.42 AB
INVi. ~~1324.50~~ 1323.57 AB
INV.o ~~1324.30~~ 1323.57 AB
~~N:1688811.4003~~ N:1688816.74 AB
~~E:1660493.6092~~ E:1660486.46 AB

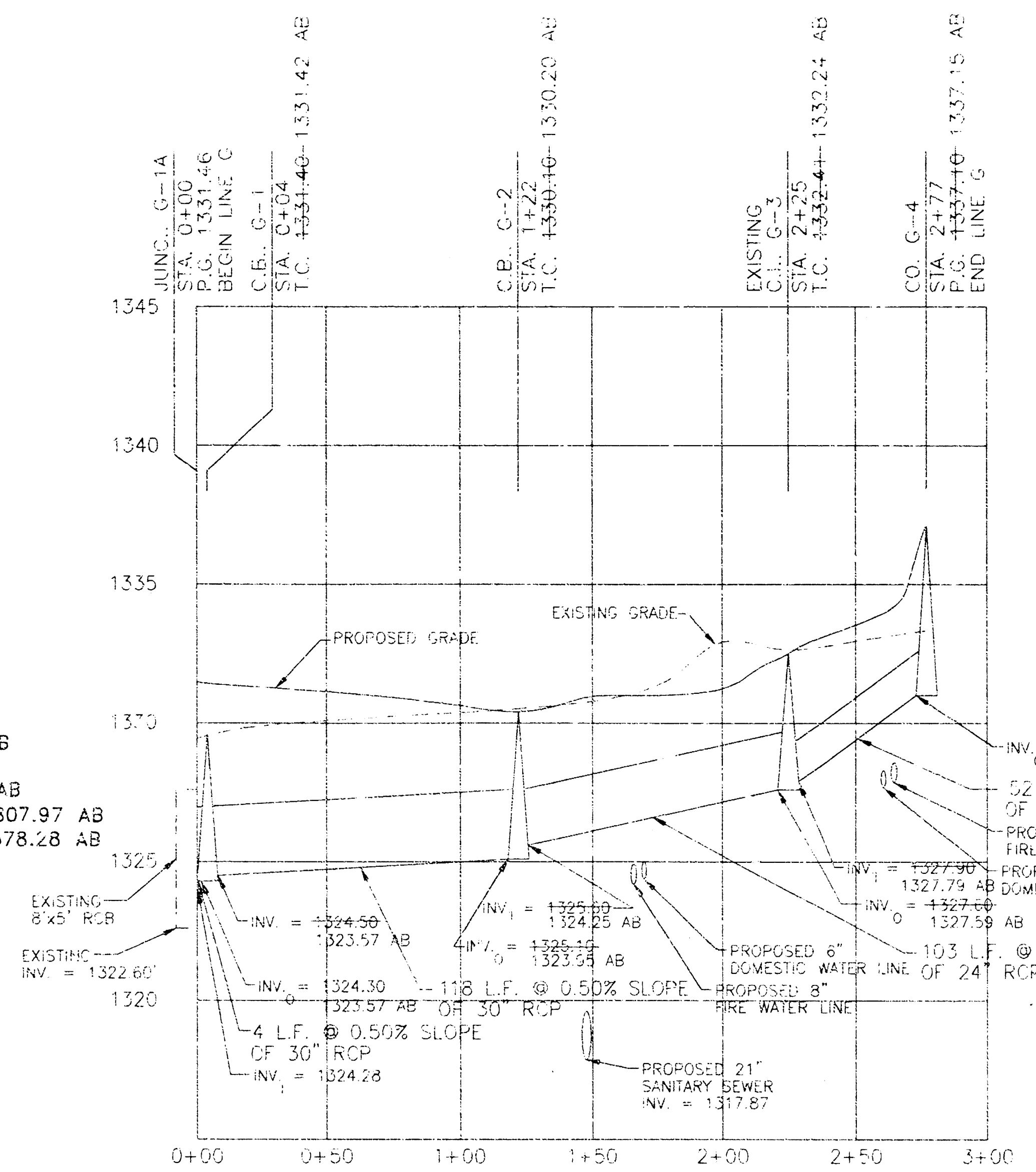
CATCH BASIN G-2
STA. = 1+22
T.C. ~~1330.10~~ 1330.20 AB
INVi. ~~1325.60~~ 1324.25 AB
INV.o ~~1325.10~~ 1323.95 AB
~~N:1688811.4003~~ N:1688813.50 AB
~~E:1660375.4060~~ E:1660372.77 AB

LINE G
103 L.F. OF 24"
RCP @ 1.90%

EXISTING
CURB INLET G-3
STA. = 2+25
T.C. ~~1332.41~~ 1332.24 AB
INVi. ~~1327.90~~ 1327.79 AB
INV.o ~~1327.60~~ 1327.59 AB
~~N:1688839.6300~~ N:1688839.75 AB
~~E:1660276.3500~~ E:1660275.94 AB

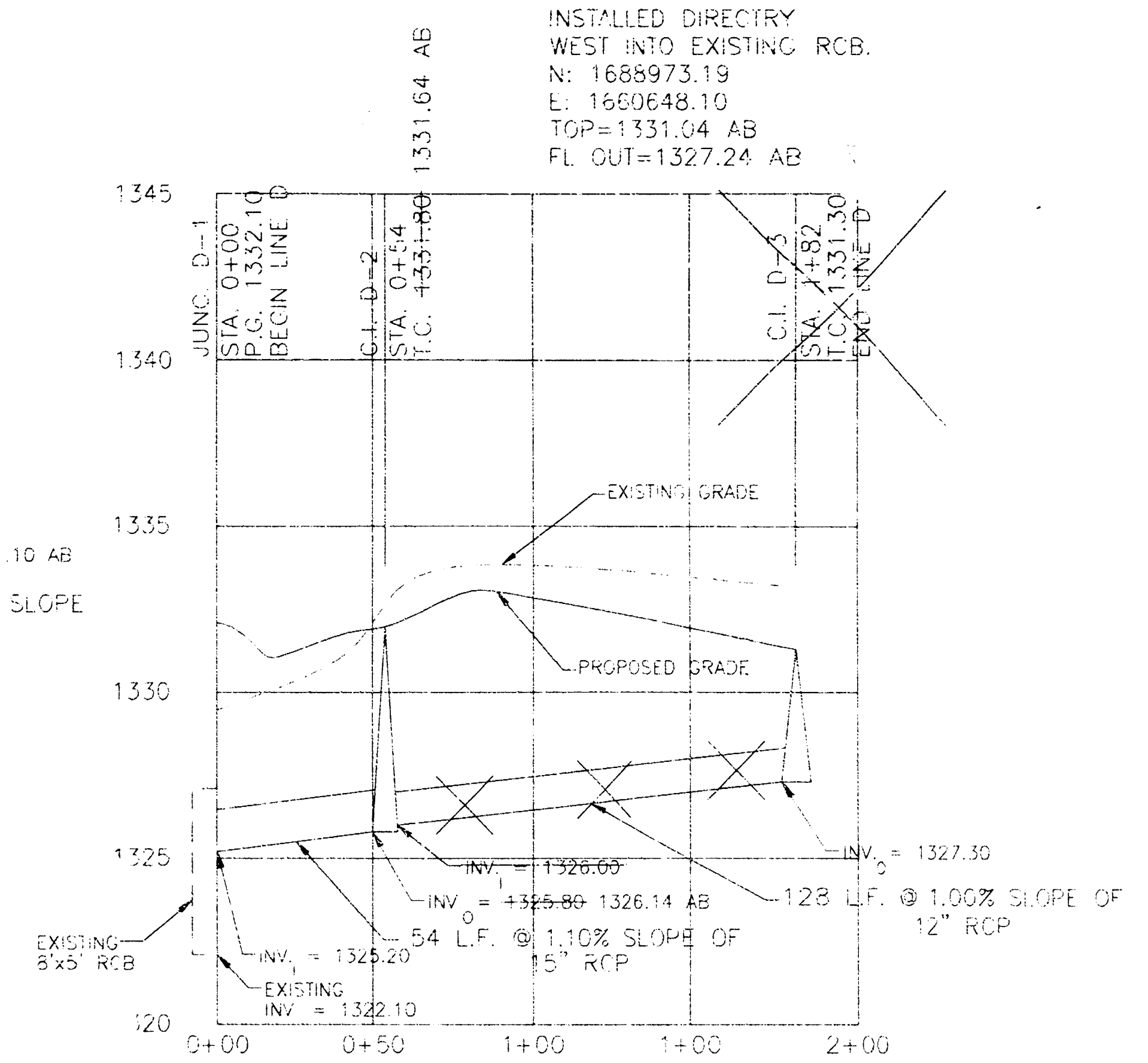
CLEANOUT G-4
STA. = 2+77
T.C. ~~1337.10~~ 1337.15 AB
INV.o ~~1331.00~~ 1331.10 AB
~~N:1688891.6244~~ N:1688883.91 AB
~~E:1660275.5878~~ E:1660279.38 AB
END LINE G

LINE G
52 L.F. OF 15"
RCP @ 5.96%



STORM LINE G
SCALE
1" = 50' HORIZ.
1" = 5' VERT.

STORM LINE D FROM STA.
0+54 TO STA. 1+82 WAS
NOT CONSTRUCTED. A
NEW INLET WAS
INSTALLED AT 121'
NORTH OF PLAN
LOCATION WITH PIPE
INSTALLED DIRECTRY
WEST INTO EXISTING RCB.
N: 1688973.19
E: 1660648.10
TOP=1331.04 AB
FL OUT=1327.24 AB



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	● POLE	POLE
● YLG	YARD LIGHT 0'-2'	⌃⌃	GATE
○ ELEC MH	ELECTRIC MANHOLE	TRAF ● MH	TRAFFIC SIGNAL MANHOLE
● SIG LIGHT	SIGNAL LIGHT	△	SECTION CORNER
✲ 6IN	TREE AND DIAMETER	✳ SPK	SPRINKLER HEAD
○ 3IN	TREE AND DIAMETER	═══	RETAINING WALL
SN	SIGN	● LP	LIGHT POLE 10'-HIGHER
◎ IP	IRON BAR	FH	FIRE HYDRANT
○	BUSH	WV	WATER VALVE
● PP ―×	POWER POLE AND DEADMAN	○ WM	WATER METER
■ KGE	ELECTRIC BOX	□ ICV	IRRIGATION CONTROL VALVE
● CO	CLEANOUT	▤	GRATE INLET
―E―E―	UNDERGROUND ELECTRIC LINE	TR	TELEPHONE RISER
―×―×―×―	FENCE	═╪═╪═	STORM SEWER PIPE
BM	BENCHMARK	―W―W―	WATER LINE
Ⓢ SWMH	STORM WATER MANHOLE	―SS―┼―┼―	SANITARY SEWER LINE
Ⓢ SSMH	SANITARY SEWER MANHOLE	―G―G―	GAS LINE
● SWB	TELEPHONE MANHOLE	―T―T―	TELEPHONE LINE
▭	BUILDINGS	▭	INLET
―OHE―OHE―	OVERHEAD ELECTRIC LINE	∿∿∿	ROW OF BUSHES
■	POST	RD	ROOF DRAIN
× XCUT	CHISLED "X" CUT	● YLP	LIGHT POLE 2'-10'
▨	OVERHANG	―OHTV―OHTV―	OVERHEAD CABLE TV LINE
		● MS	MONITORING SENSOR

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 ±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'

AS-BUILT DECEMBER 2003

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

REVISIONS:
DATE:
MARCH 14, 200[illegible]

GOULD TURNER GROUP, P.C.
ARCHITECTS & PLANNERS
[illegible]

WESLEY MEDICAL CENTER
ICU ADDITION & RENOVATION
WICHITA, KANSAS

GRADING & DRAINAGE
PLAN & PROFILE
C3.1