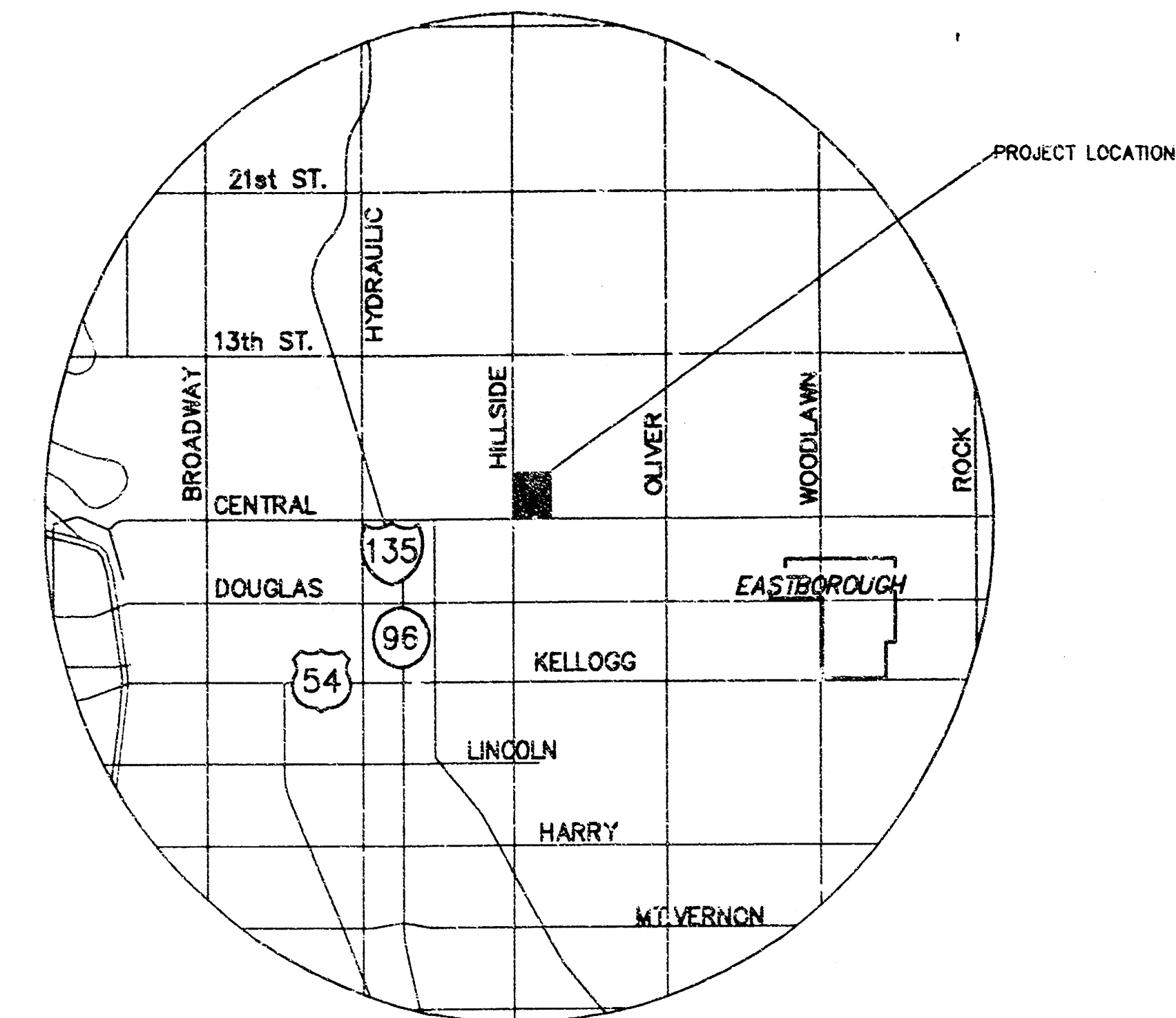


PRIVATE GRADING / DRAINAGE & SANITARY SEWER PLANS WESLEY MEDICAL CENTER ICU ADDITION & RENOVATION PRIVATE PROJECT # 1221PPS(607861)

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

IMPROVEMENT DISTRICT



LOCATION MAP

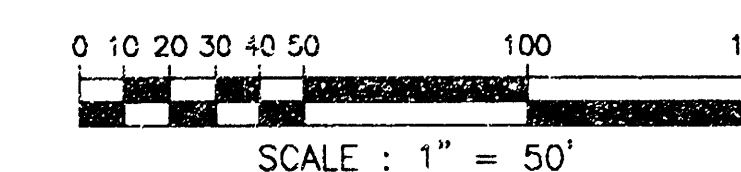
INDEX TO DRAWINGS

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

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

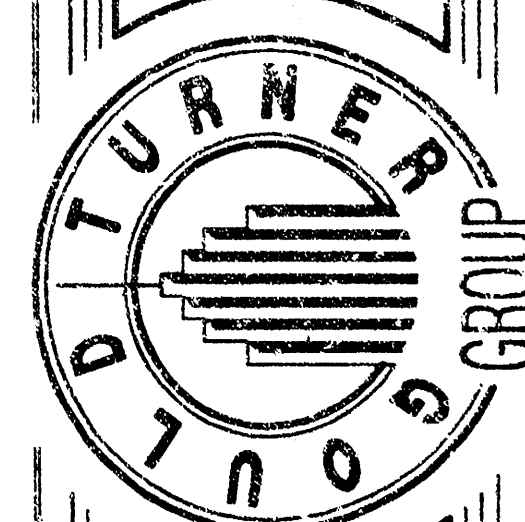
SS Booked
4/20/02
RDL PDF



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'S PROJECT # 1221PPS(607861)
LEAF 20106

COVER SHEET
C1.0

NOTE TO CONTRACTOR
INSPECTION AND TESTING FOR THIS PROJECT IS TO BE PROVIDED BY A LICENSED CONSULTING ENGINEER FIRM UNDER CONTRACT WITH THE OWNER/DEVELOPER. SAID INSPECTION 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 ENGINEER OF WICHITA

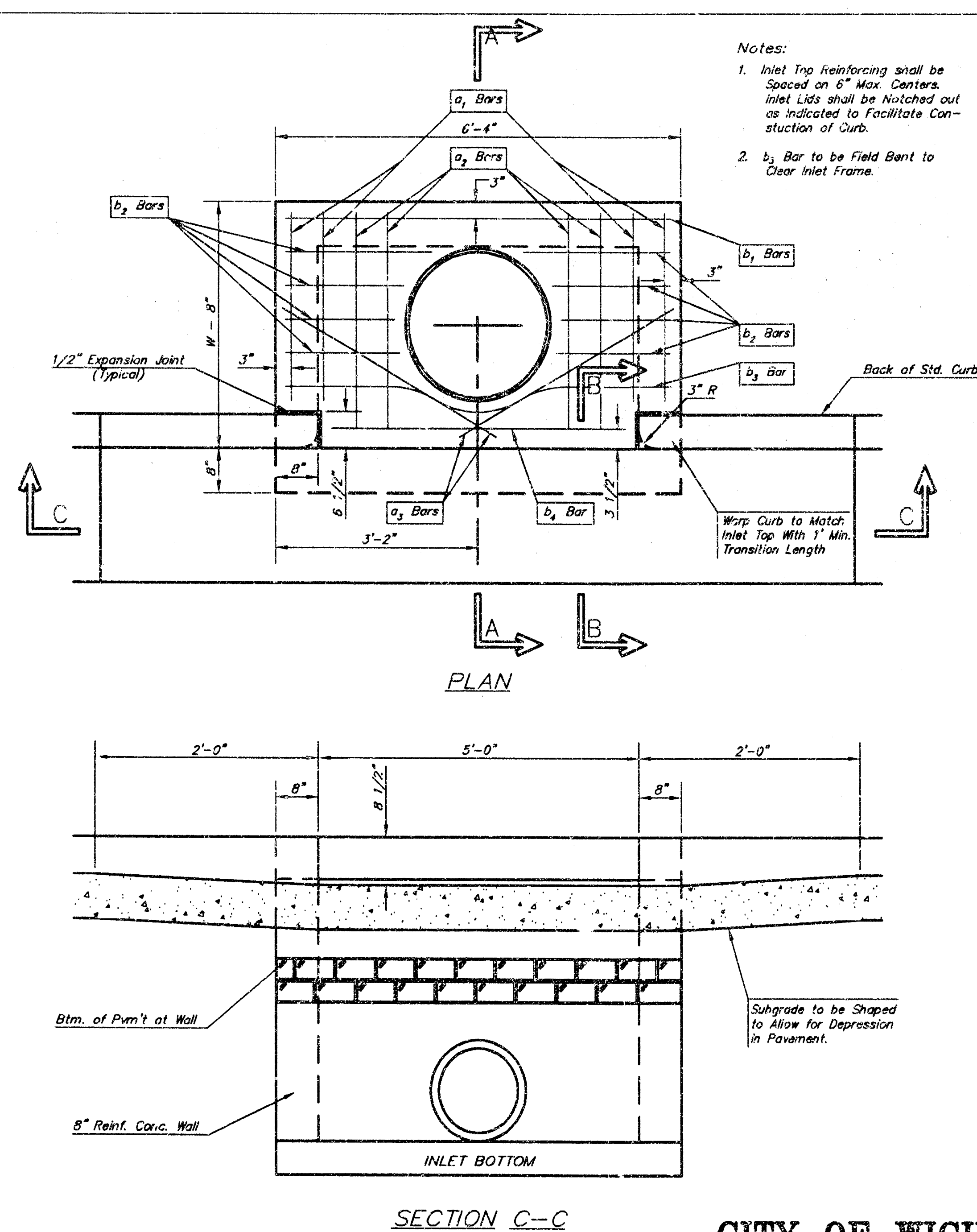
SANITARY SEWERS VRH 4/15/02
STORM SEWERS VRH 4/15/02
DRIVEWAY APPROACHES _____
WATER MAINS _____
PAVING _____

SITE GRADING & EROSION CONTROL NOTES:

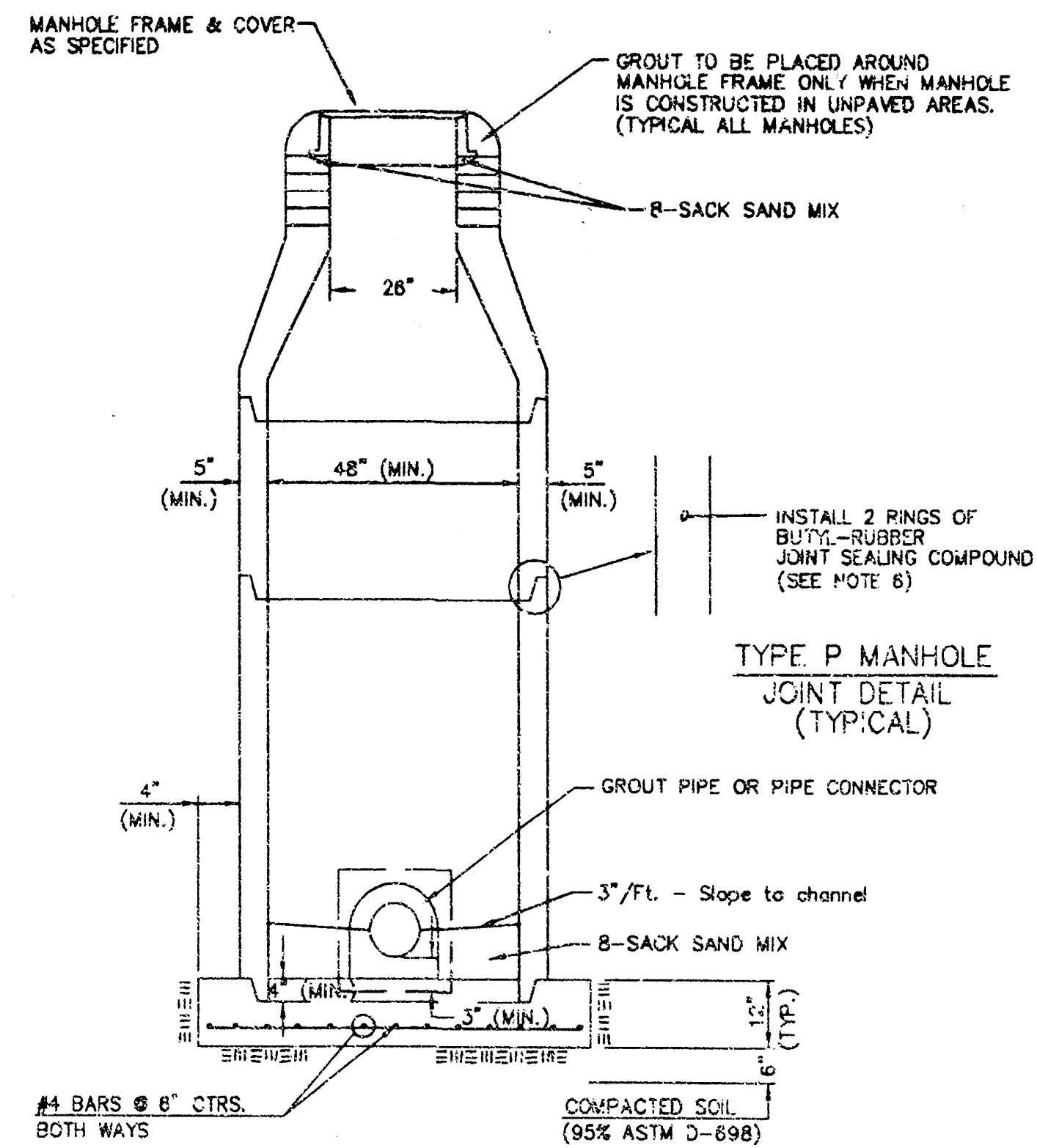
1. BASE INFORMATION WAS TAKEN FROM A SURVEY PREPARED BY MKEC ENGINEERING CONSULTANTS, DATED NOVEMBER 05, 2001. LITTLEJOHN ENGINEERING ASSOCIATES AND ANY OF THEIR CONSULTANTS SHALL NOT BE HELD RESPONSIBLE FOR THE ACCURACY AND/OR COMPLETENESS OF THAT INFORMATION SHOWN HEREON OR ANY ERRORS OR OMISSIONS RESULTING FROM SUCH.
2. THE DISTURBED AREA FOR THIS PROJECT IS APPROXIMATELY ACRES.
3. THE SUBJECT PROPERTY DOES NOT 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 GROUND 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 CFR 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 COMPACTED 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 EXCESS MATERIAL OFF SITE. IT SHALL ALSO USE 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

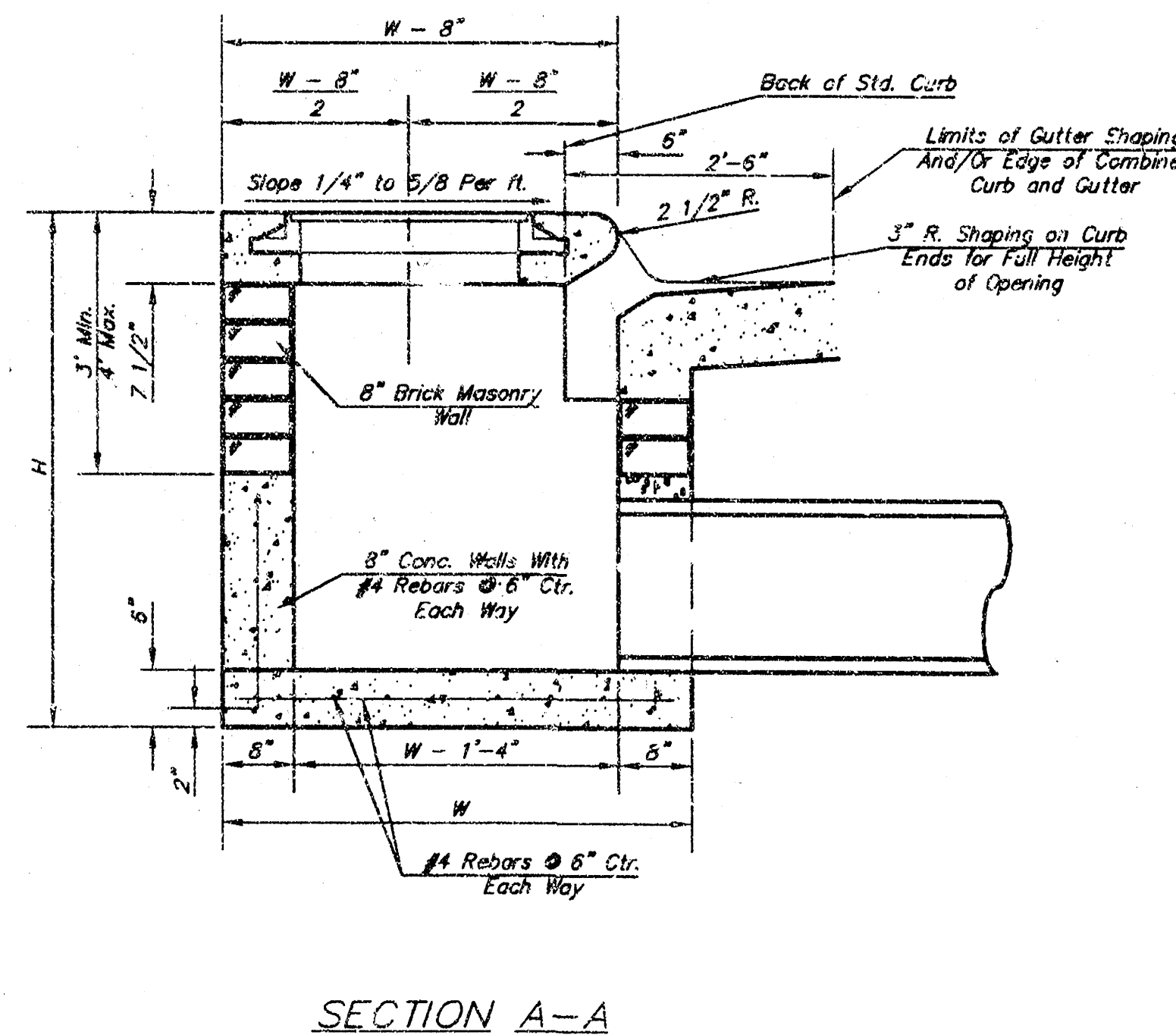
1. THE SANITARY SEWER SHALL BE CLASS 52 DUCTILE IRON PIPE (DIP).
2. ALL SEWER LINES AND APPURTENANCES SHALL BE OF MATERIALS AND CONSTRUCTION THAT CONFORM TO THE DEPARTMENT OF WATER AND SEWERAGE SERVICES REQUIREMENTS AND SPECIFICATIONS.
3. THE CONTRACTOR SHALL MAINTAIN 10 FEET HORIZONTAL SEPARATION BETWEEN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



CITY OF WICHITA
STANDARD TYPE 1 CURB INLET
NOT TO SCALE



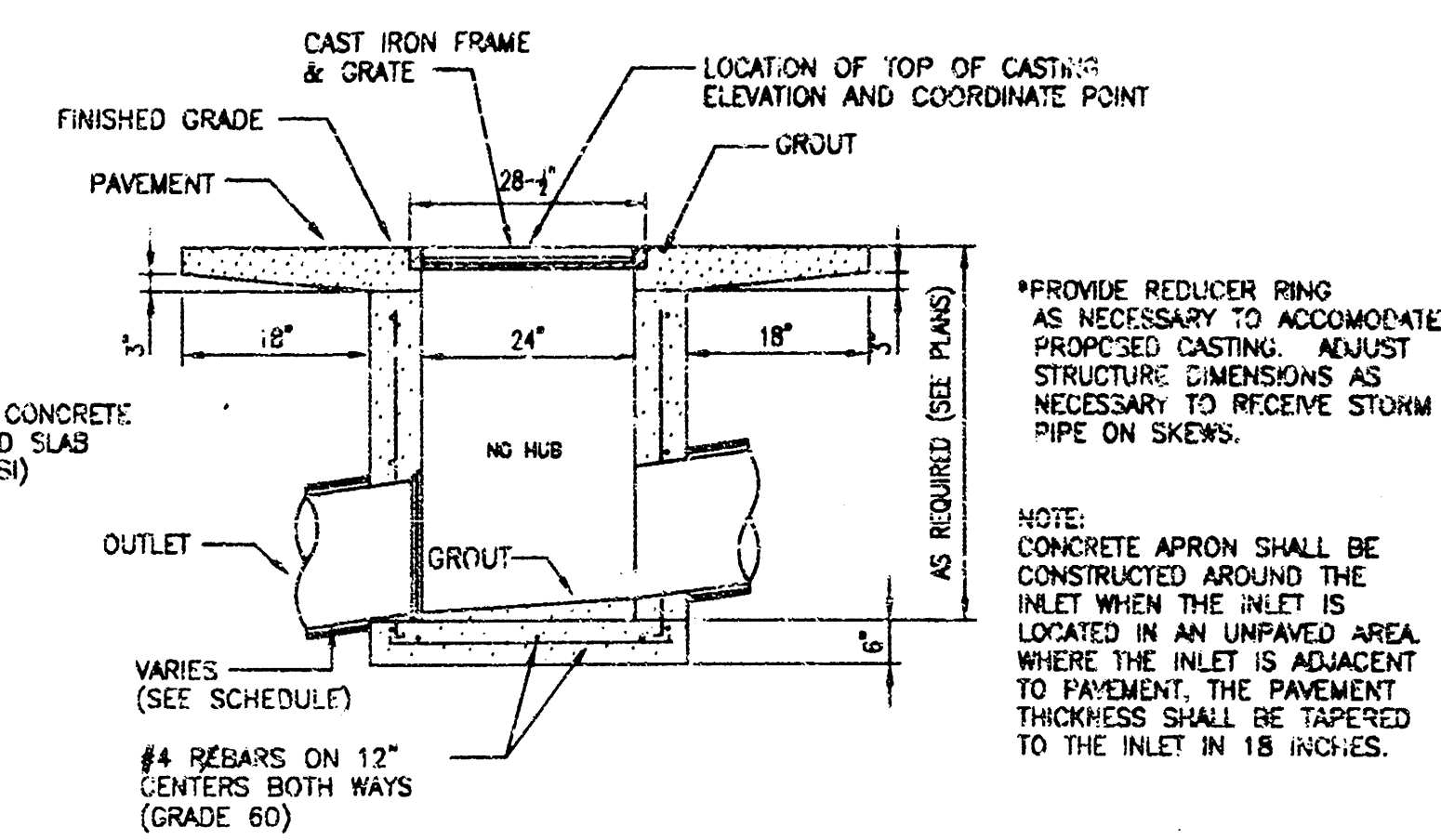
CITY OF WICHITA
STANDARD TYPE "P" MANHOLE
NOT TO SCALE



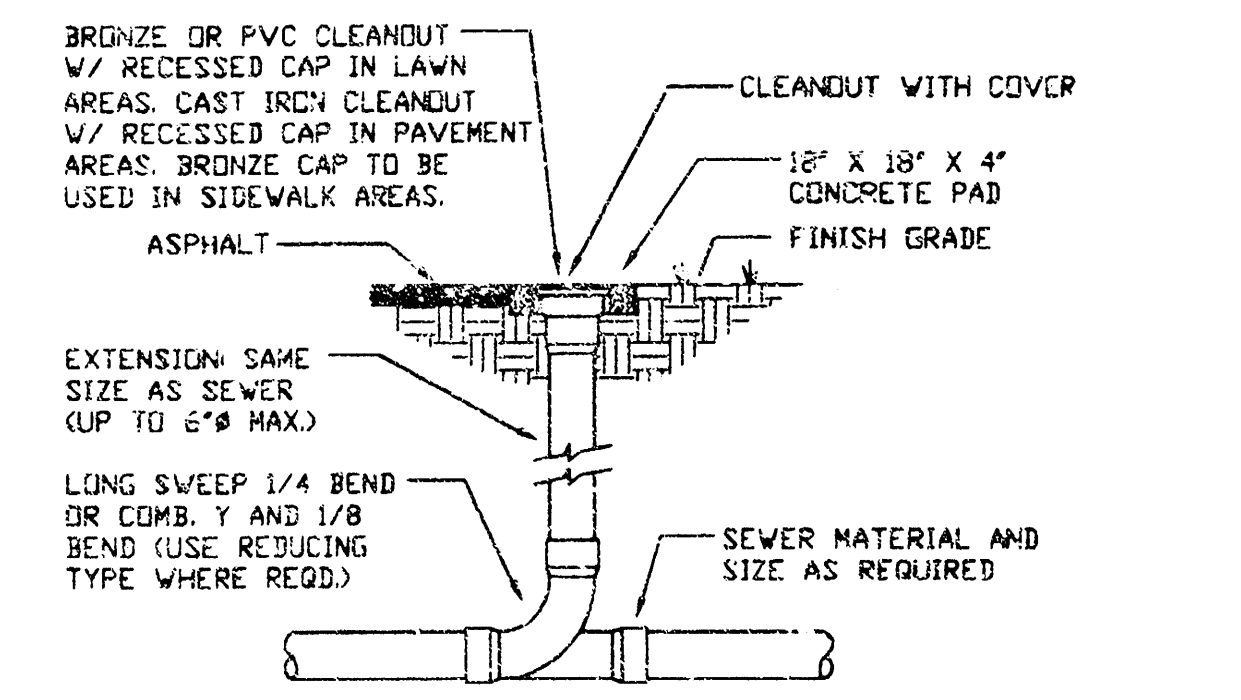
STEEL SCHEDULE											
BAR NUMBER	4	4	2	1	3	5	7	9	6	1	1
SIZE	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	#6
W-4'-4"	5'-7"	6'-7"	4'-0"	6'-1"	-	-	-	-	1'-9"	6'-2"	4'-8"
W-5'-4"	7'-7"	8'-7"	5'-0"	6'-1"	-	-	-	-	1'-9"	6'-2"	4'-8"
W-6'-4"	9'-7"	10'-7"	6'-0"	-	6'-1"	-	-	-	1'-9"	6'-2"	4'-8"
W-7'-4"	11'-7"	12'-7"	7'-0"	-	-	6'-1"	-	-	1'-9"	6'-2"	4'-8"
W-8'-4"	13'-7"	14'-7"	8'-0"	-	-	-	6'-1"	1'-9"	6'-2"	4'-8"	141±

Note: a₂ Bars to be Placed Approx. 2" Below Top of Inlet Cover.

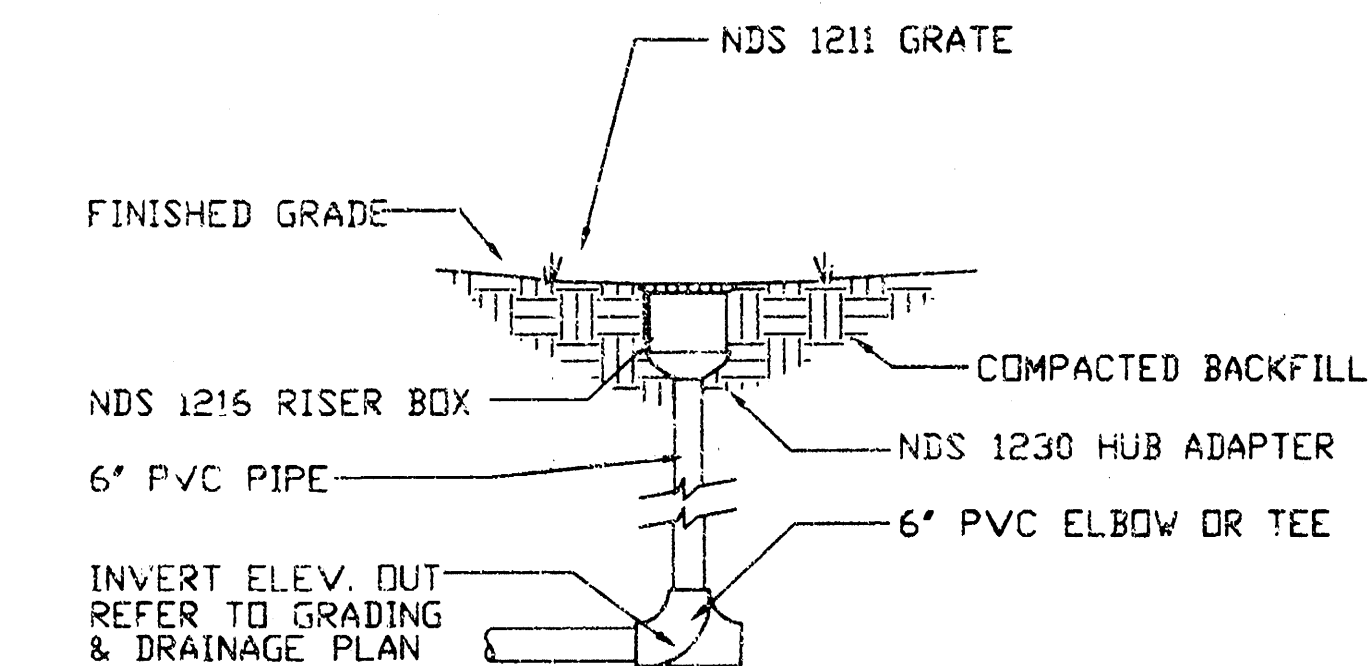
STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4'-4"	3'-8" 6'-4" 7 1/2"	21" & SMALLER	0.38±
5'-4"	4'-8" 6'-4" 7 1/2"	24" & 30"	0.51±
6'-4"	5'-8" 6'-4" 7 1/2"	36" & 42"	0.64±
7'-4"	6'-8" 6'-4" 7 1/2"	48" & 54"	0.77±
8'-4"	7'-8" 6'-4" 7 1/2"	60" & 66"	0.90±



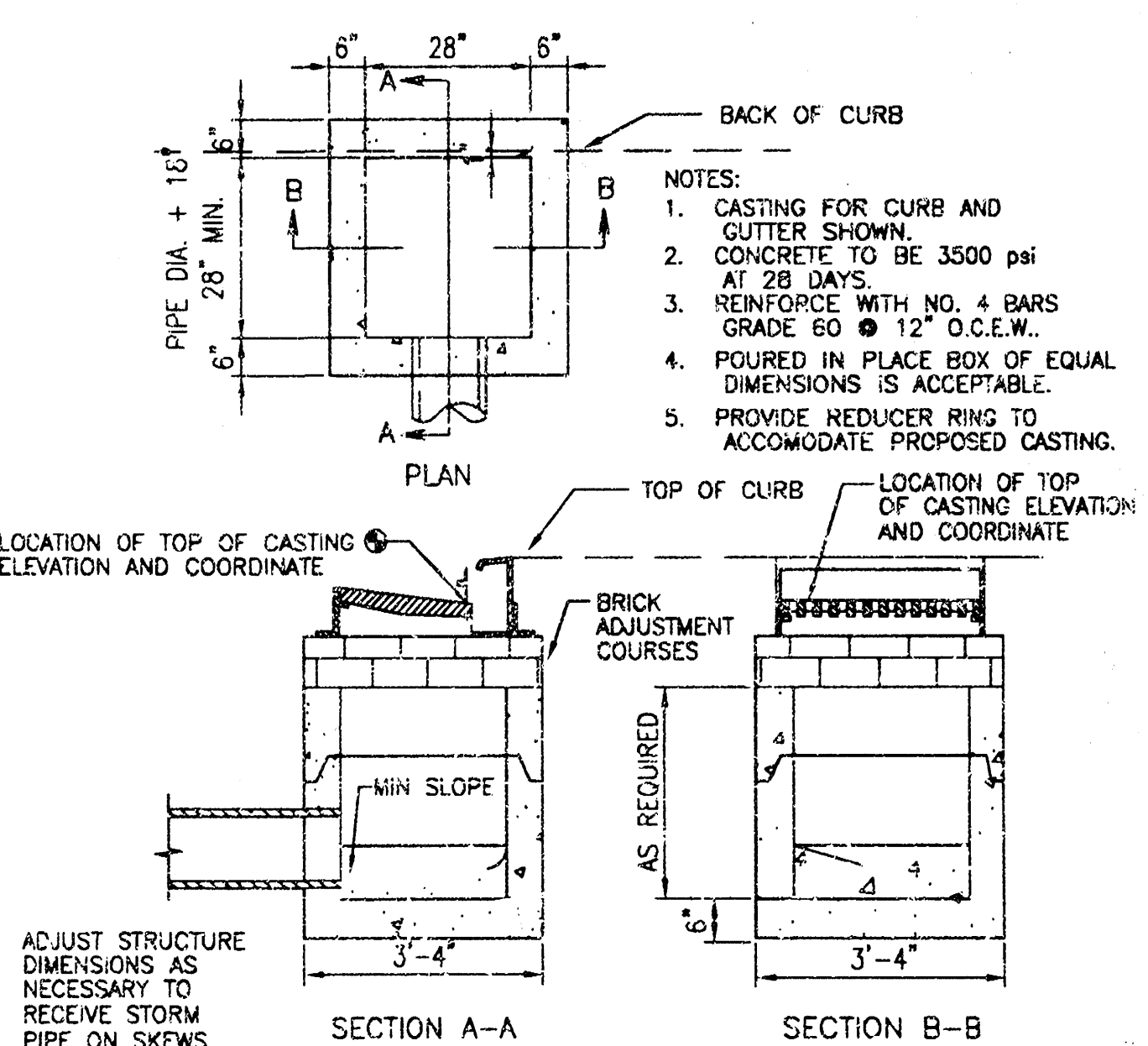
CATCH BASIN
NOT TO SCALE



CLEANOUT
NOT TO SCALE



NDS DRAIN INLET
NOT TO SCALE



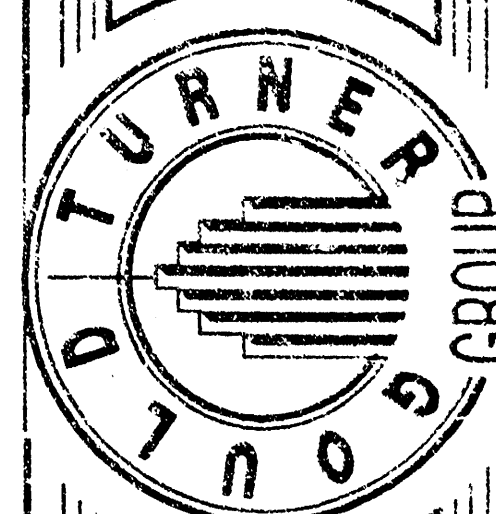
SINGLE INLET
NOT TO SCALE

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

REVISIONS:

DATE:

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



WESLEY MEDICAL CENTER
ICU ADDITION & RENOVATION
WICHITA, KANSAS
OWNER: THORNTON
LETT 2005

DETAILS & NOTES
C2.0

EXIST. MANHOLE REPAIR
CASTING W/ AIR-IGHT
MANHOLE A-1
STA. 2+84.1
T.C. 1330.76
INVO. 1318.33 (ASSUMED)
CONTRACTOR TO FIELD
VERIFY DEPTH.
N:1689047.0805
E:1660375.304
BEGIN LINE A

MANHOLE A-2
W/ AIRTIGHT CASTING
STA. 0+32
T.C. 1330.40
INVO. 1318.33
N:1689047.0805
E:1660375.304
BEGIN LINE A

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 PUBLIC INSPECTION

MANHOLE A-1
STA 2+84.1 EXISTING MANHOLE
TOP = 1337.70 AB
FL IN = 1319.65 AB
FL OUT = 1319.37 AB U
N:16891257.71
E:1661197.53

MANHOLE A-3
STA 0+16.4 INSTALL MANHOLE
TOP = 1330.36 AB
FL IN = 1318.30 AB
FL OUT = 1318.10 AB
N:1688989.25
E:1661197.53

MANHOLE STA 0+00 EXISTING
MANHOLE
TOP = 1330.36 AB
FL IN = 1318.00 AB
FL OUT = 1317.33 AB

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
INVO. 1317.33 (APPROX.)
INVO. 1317.33 (APPROX.)
N:1688793.9147
E:1660351.1518
END LINE A

BENCHMARKS

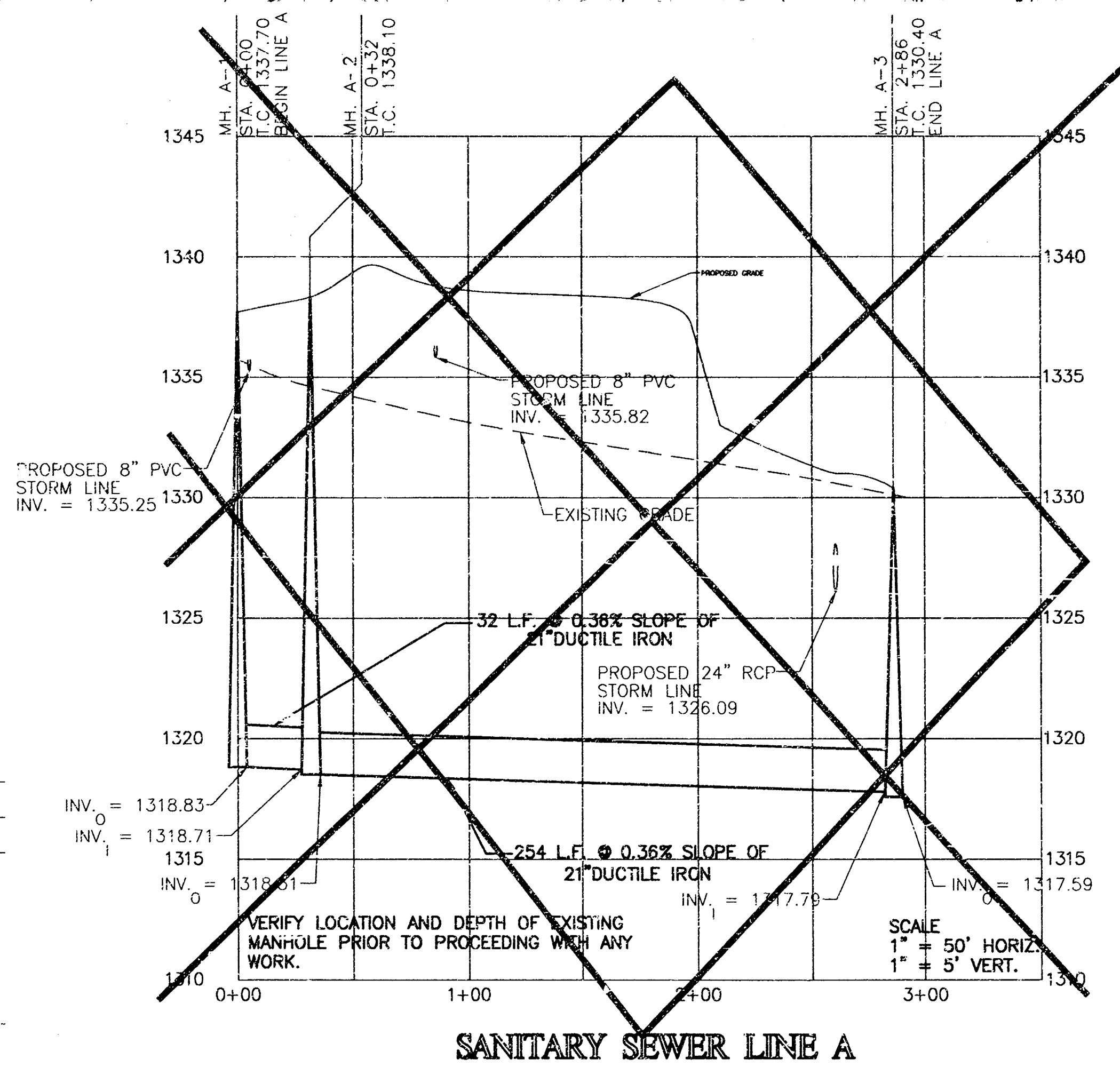
1. " " cut Northwest corner of traffic signal base Southeast corner Hillside & Murdock.
Elevation = 150.135'
2. " " cut on crosswalk signal base, Northeast corner of Hillside & Central.
Elevation = 144.096'
3. " " cut Northeast corner of light pole base at the Southeast corner of Hillside & Murdock.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

EXISTING FEATURES LEGEND

- | | |
|-----------------------------------|-------------------------------------|
| ● G.M. - GAS METER | ● P.O.L. - POLE |
| ● Y.L.D. - YARD LIGHT 0'-2' | — GATE |
| ● ELEC. MH - ELECTRIC MANHOLE | TRAFF. MH - TRAFFIC SIGNAL MANHOLE |
| ● SIG. LIGHT - SIGNAL LIGHT | △ SECTION CORNER |
| ● T.D. - TREE AND DIAMETER | ● S.P.K. - SPRINKLER HEAD |
| ● R.W. - RETAINING WALL | ● L.P. - LIGHT POLE 10'-HIGHER |
| ● S.N. - SIGN | ● F.H. - FIRE HYDRANT |
| ● I.B. - IRON BAR | ● W.V. - WATER VALVE |
| ● B. - BUSH | ● W.M. - WATER METER |
| ● P.P. - POWER POLE AND DEADMAN | ● I.C.V. - IRRIGATION CONTROL VALVE |
| ● E.B. - ELECTRIC BOX | ● G.I. - GRATE INLET |
| ● C.O. - CLEANOUT | ● T.R. - TELEPHONE RISER |
| — E — UNDERGROUND ELECTRIC LINE | — S.S.P. - STORM SEWER PIPE |
| — F — FENCE | — W — WATER LINE |
| ● B.M. - BENCHMARK | — S.S. - SANITARY SEWER LINE |
| ● S.W.M. - STORM WATER MANHOLE | — G — GAS LINE |
| ● S.S.M. - SANITARY SEWER MANHOLE | — T — TELEPHONE LINE |
| ● S.W.B. - TELEPHONE MANHOLE | — I — INLET |
| — B — BUILDINGS | — R.O.B. - ROW OF BUSHES |
| — O.H.E. — OVERHEAD ELECTRIC LINE | ● R.D. - ROOF DRAIN |
| ● P — POST | ● L.P. - LIGHT POLE 2'-10' |
| — C.U.T. — CHISELED "X" CUT | — O.H.T.V. — OVERHEAD CABLE TV LINE |
| — O.H. — OVERHANG | ● M.S. — MONITORING SENSOR |

PROPOSED FEATURES LEGEND

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

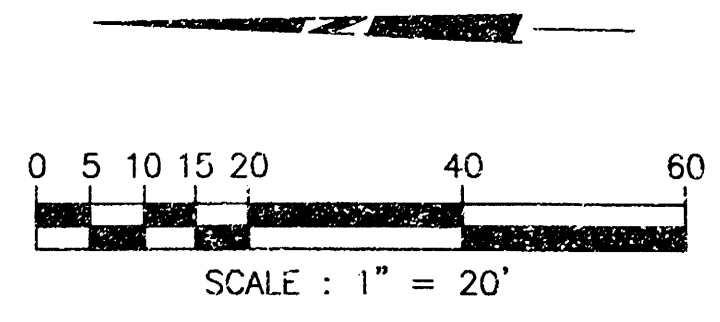


NOTE:
THE CONTRACTOR SHALL FIELD VERIFY THE EXACT HORIZONTAL AND VERTICAL LOCATION OF THE EXISTING SANITARY SEWER MANHOLE PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER.

PRIVATE SS FOR WESLEY MEDICAL CENTER ICU ADDITION AND RENOVATION

1221PPS

NOTE
SEE SHEET C2.0 FOR GENERAL NOTES.



AS BUILT DEC 2003

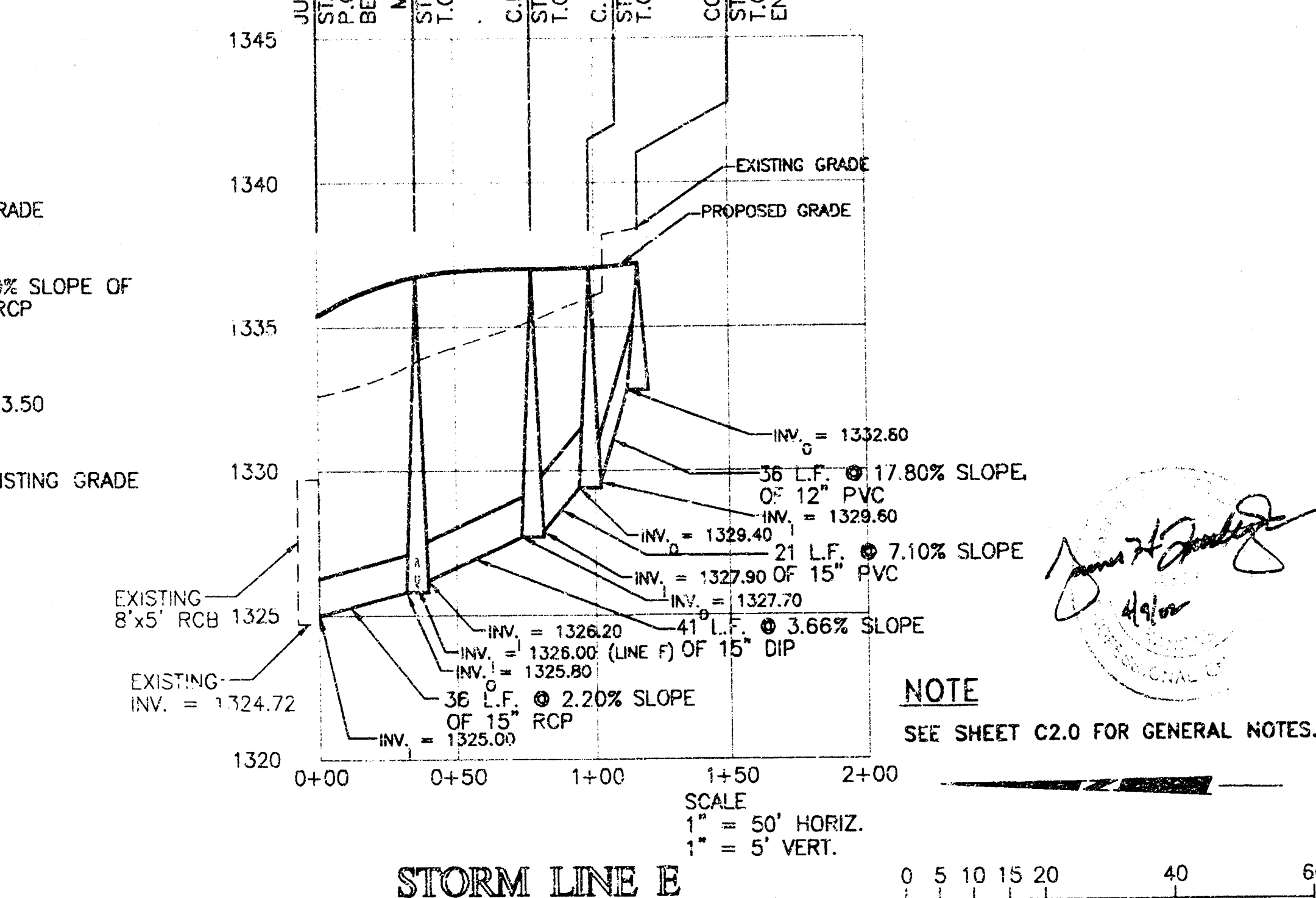
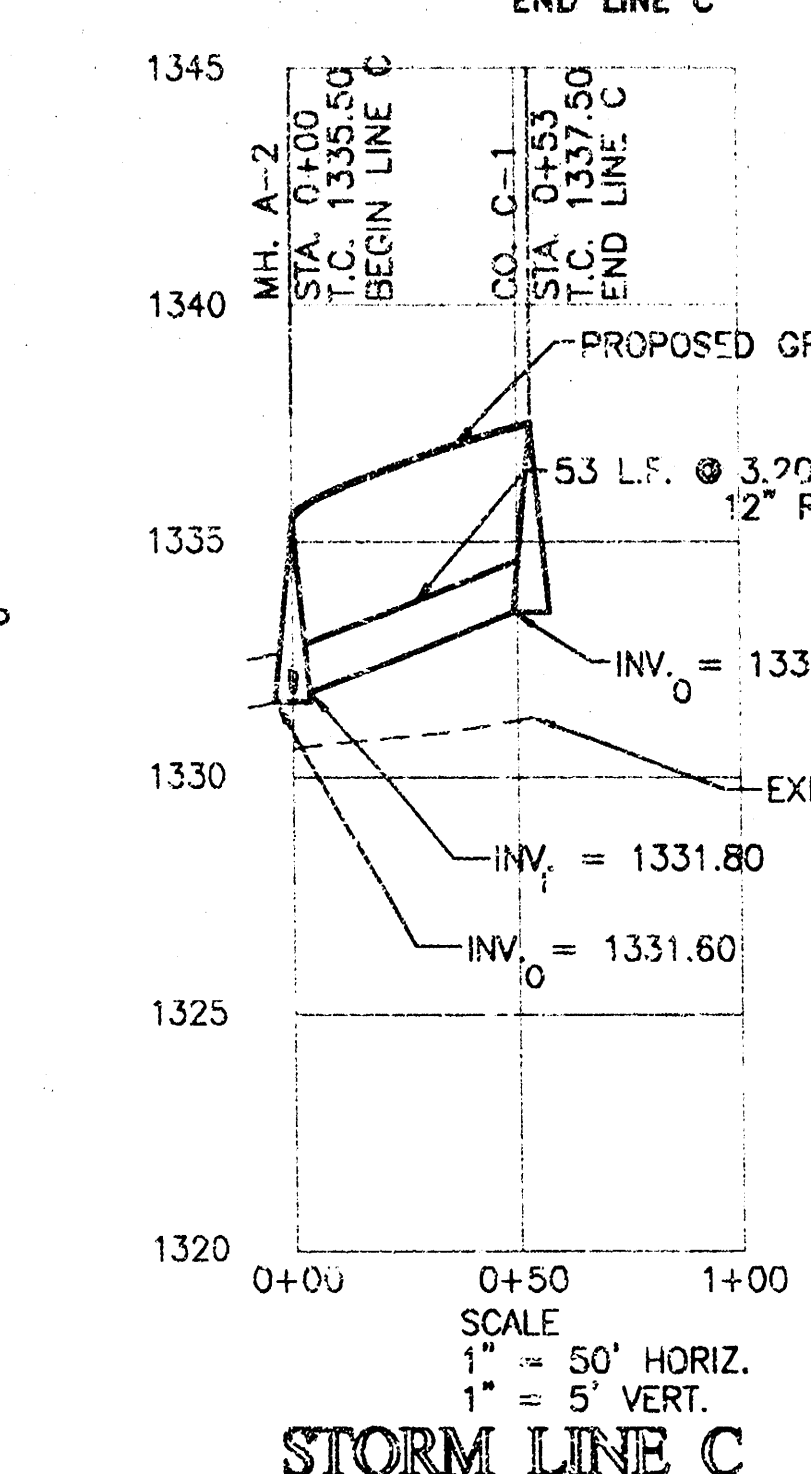
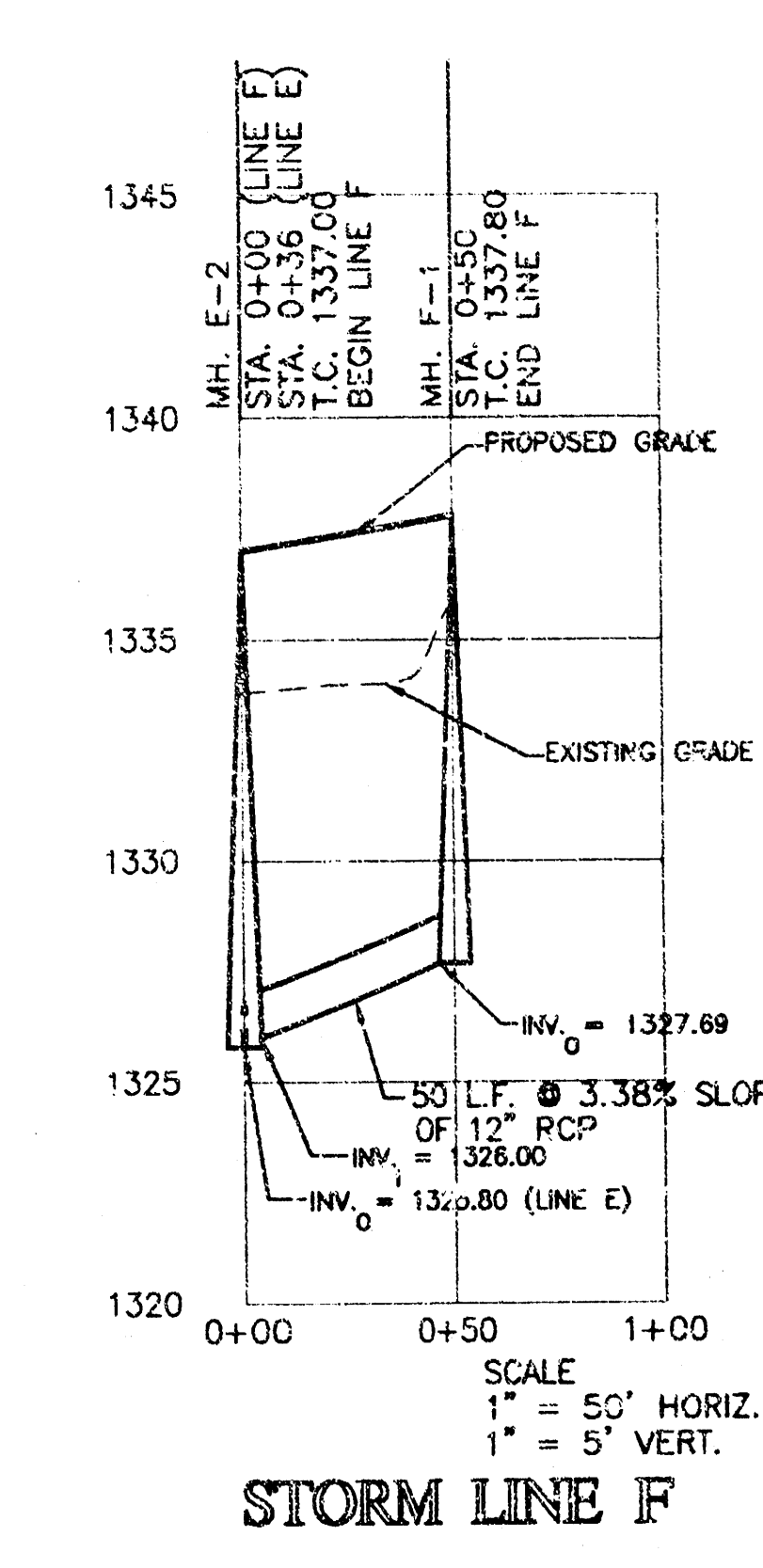
LITTLEJOHN ENGINEERING
ENGINEERING AND LAND PLANNING
1805 Twenty-Fourth Avenue South, Nashville, Tennessee 37212 Phone 615-386-1144

SANITARY SEWER
PLAN & PROFILE
C4.0

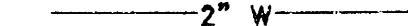
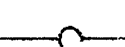
GOULD TURNER GROUP, P.C.
ARCHITECTS & PLANNERS
4400 HARDING ROAD, SUITE 1000
NASHVILLE, TENNESSEE 37205

WESLEY MEDICAL CENTER
ICU ADDITION & RENOVATION
WICHITA, KANSAS
OWNER # 3160001
LEA # 20186

REVISIONS:
DATE:
MARCH 14, 2002



PROPOSED FEATURES LEGEND

STORM PIPE & INLET	
PROPOSED CONTOUR	
DRAINAGE STRUCTURE	
DOMESTIC SERVICE	
FIRE SERVICE	
GAS LINE	
WATER LINE WITH 90° THRUST BLOCK	
SANITARY SEWER LINE WITH CLEANOUT	
NEW FIRE HYDRANT	
UNDERGROUND ELECTRIC	


LITTLEJOHN ENGINEERING
ENGINEERING AND LAND PLANNING
1936 Twenty-First Avenue South Nashville, Tennessee 37212 Phone 815-365-4144

GOULD TURNER GROUP, P.C.
ARCHITECTS & PLANNERS
1400 HAWKING ROAD, SUITE 800
NASHVILLE, TENNESSEE 37205

DATE:
MARCH 14, 2002

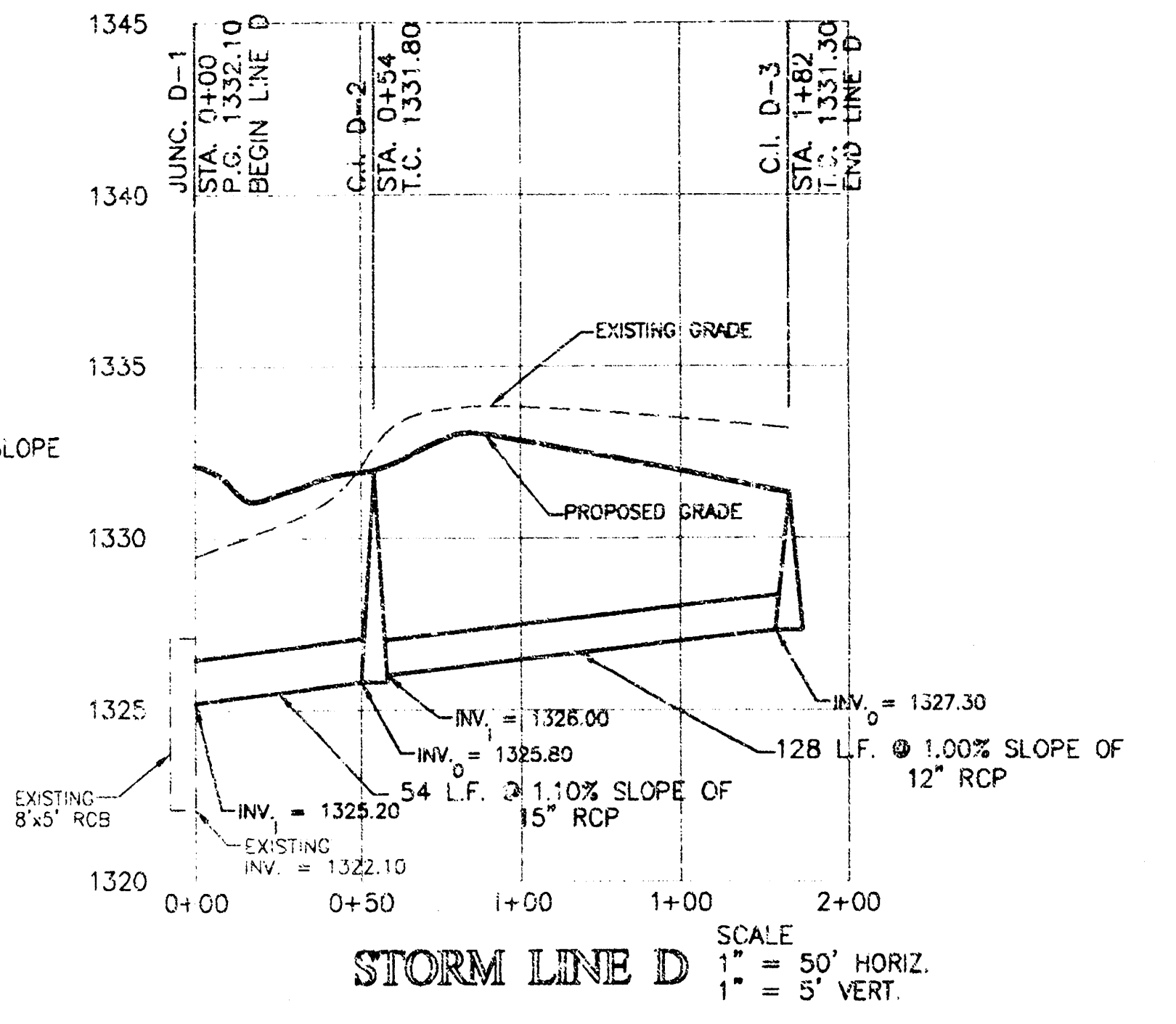
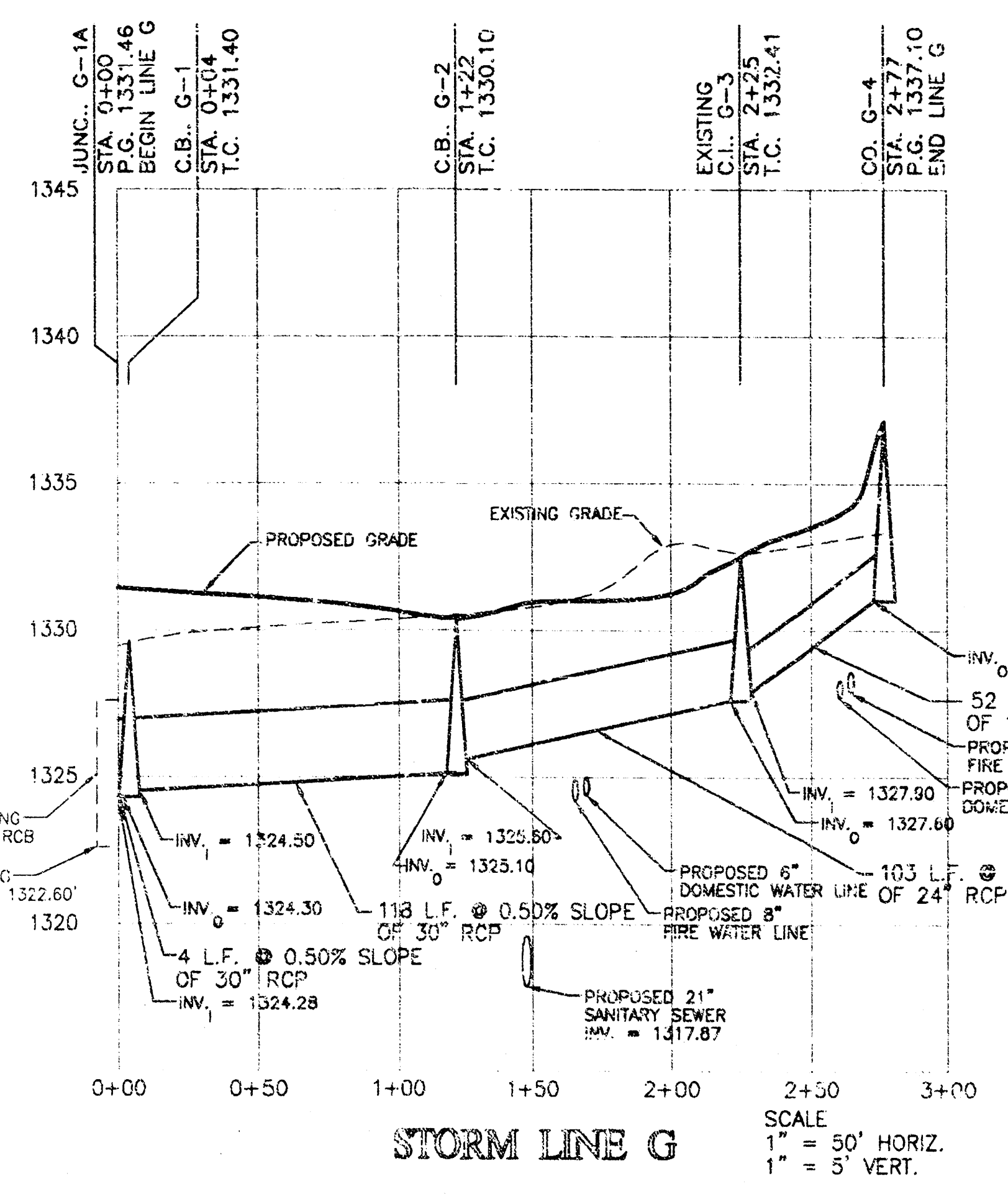
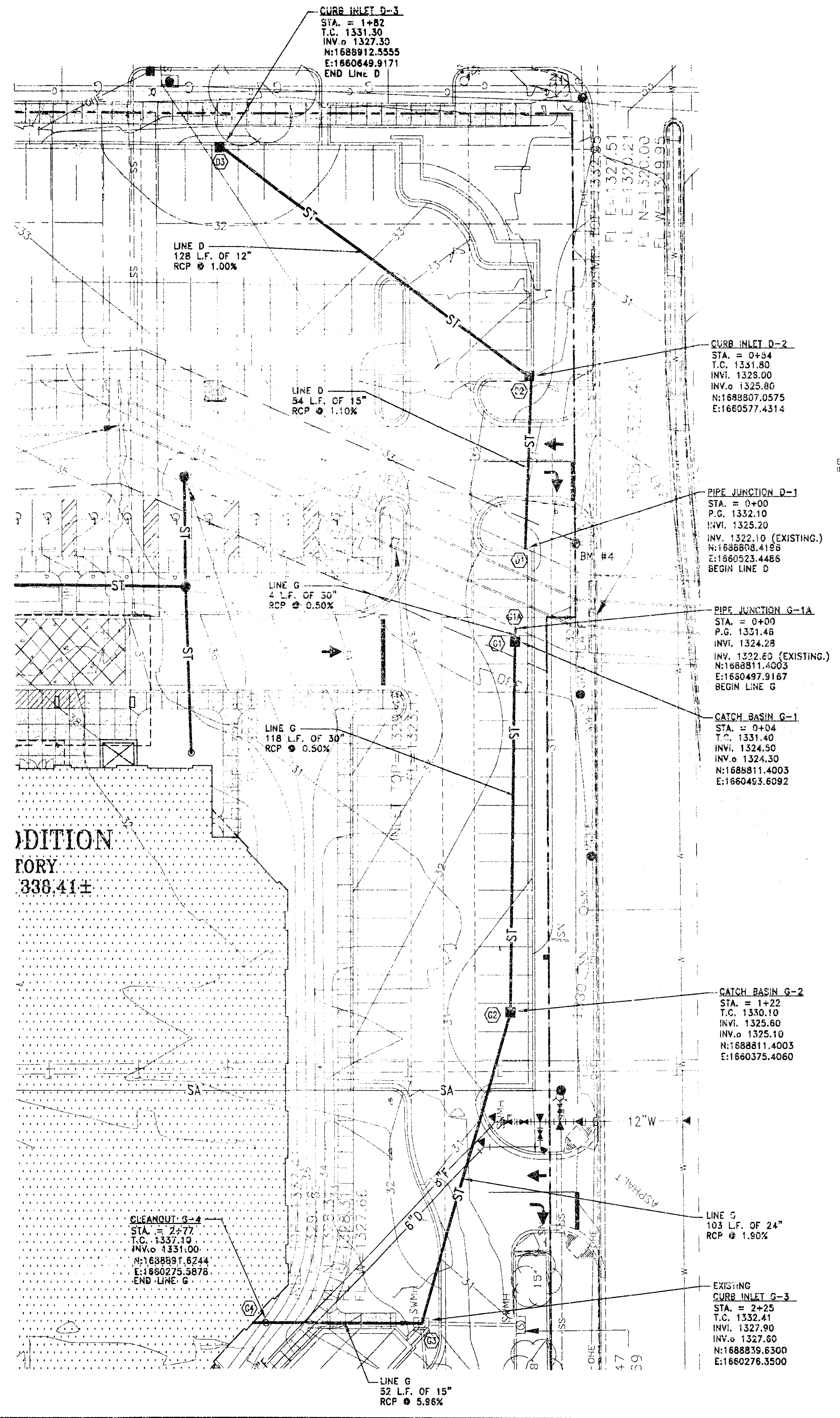
REVISIONS:

WESLEY MEDICAL CENTER
ICU ADDITION & RENOVATION
WICHITA, KANSAS
OWNER: 31-000001
LEAF: 25186

GOULD TURNER GROUP

GRADING & DRAINAGE
PLAN & PROFILE

C3.0



PROPOSED FEATURES LEGEND

- STORM PIPE & INLET
- PROPOSED CONTOUR
- DRAINAGE STRUCTURE
- DOMESTIC SERVICE
- FIRE SERVICE
- GAS LINE
- WATER LINE WITH 90° THRUST BLOCK
- SANITARY SEWER LINE WITH CLEANOUT
- NEW FIRE HYDRANT
- UNDERGROUND ELECTRIC

EXISTING FEATURES LEGEND

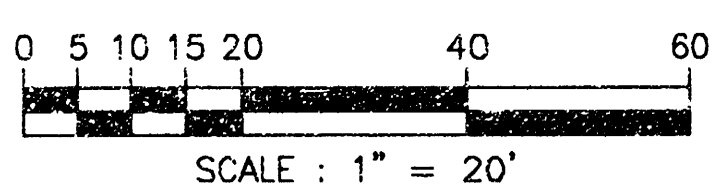
- DM - DRAIN MANHOLE
- EM - ELECTRIC MANHOLE
- SM - SIGNAL MANHOLE
- TM - TREE AND DIAMETER
- SN - TREE AND DIAMETER
- SY - SIGN
- RB - RAILROAD
- B - BUS
- P - POWER POLE AND DRAINAGE
- KE - ELECTRIC BOX
- CD - CLEANOUT
- E - UNDERGROUND ELECTRIC LINE
- F - FENCE
- BM - BENCHMARK
- (S) - STORM WATER MANHOLE
- (SS) - SANITARY SEWER MANHOLE
- (SW) - TELEPHONE MANHOLE
- B - BUILDINGS
- OHE - OVERHEAD ELECTRIC LINE
- P - POST
- X - CHASED "X" CUT
- OH - OVERHANG
- PR - POLE
- Y - GUY
- TR - TRAFFIC SIGNAL MANHOLE
- SC - SECTION CORNER
- SH - SPRINKLER HEAD
- RW - RETAINING WALL
- LP - LIGHT POLE TO TOWER
- FH - FIRE HYDRANT
- WV - WATER VALVE
- WM - WATER METER
- CV - IRRIGATION CONTROL VALVE
- GI - GRATE INLET
- TR - TELEPHONE RISER
- ST - STORM SEWER PIPE
- W - WATER LINE
- SS - SANITARY SEWER LINE
- G - GAS LINE
- T - TELEPHONE LINE
- I - INLET
- ROW - ROW OF DISHES
- RD - ROAD DRAIN
- LP - LIGHT POLE 2" - 10"
- 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 ROBC ±71' North of Edgemont, East side of Rutan. Elevation = 145.378'
6. "on top of curb, North return Southeast corner Lot 3, Wesley Medical 3rd Addition. Elevation = 154.551'

NOTE

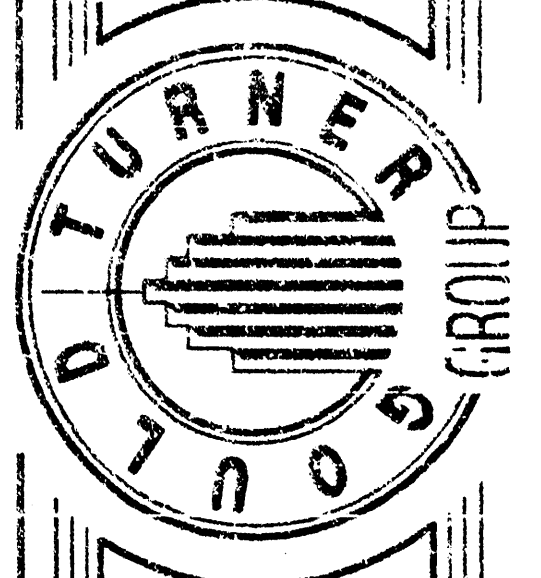
SEE SHEET C2.0 FOR GENERAL NOTES.



LITTLEJOHN ENGINEERING
2105 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 7000
NASHVILLE, TENNESSEE 37205



WESLEY MEDICAL CENTER
ICU ADDITION & RENOVATION
WICHITA, KANSAS
OWNER: J. J. JENNINGS
LEAD 2004

EXIST. MANHOLE REPLACE
CASTING W/AIRTIGHT
MANHOLE A-1
STA. = 0+00
T.C. 1325.76
INVO. 1318.83 (ASSUMED)
CONTRACTOR TO FIELD
VERIFY DEPTH.
N:1689062.781
E:1660375.304
BEGIN LINE A

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

SWMH TOP = 1337.28
FL 6" W = 1335.95
FL 6" NW = 1333.39
FL 6" E = 1333.37

ICU ADDITION
4 STORY
F.F.E. 1338.41±

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+06
T.C. 1330.40
INSTALL MANHOLE OVER
EXISTING LINE.
INVO. 1317.73 (APPROX.)
N:1688793.9147
E:1660351.1518
END LINE A

BENCHMARKS

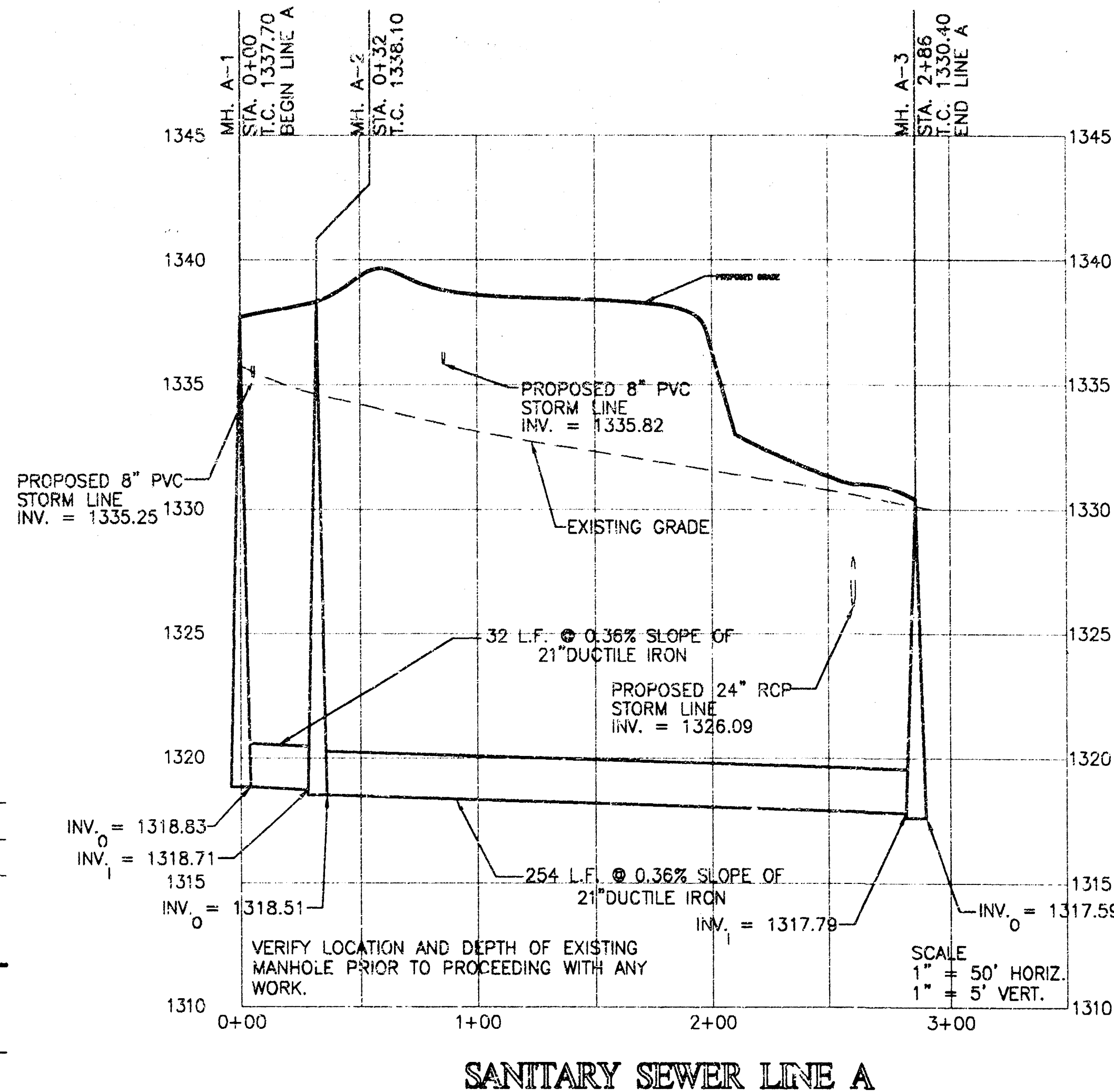
1. "cut Northwest corner of traffic signal base Southeast corner Hillside & Murdock.
Elevation = 150.135'
2. "cut on crosswalk signal base, Northeast corner of Hillside & Central.
Elevation = 144.096'
3. "cut Northeast corner of light pole base at the Southeast corner of Hillside & Murdock.
Elevation = 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 RCB ±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 | ● PRT - PUMP |
| ● L.D. - HARD LIGHT 0'-2' | ● V - VALVE |
| ● E.F.C. MH - ELECTRIC MANHOLE | ● V.C. - SIGNAL MANHOLE |
| ● SGL LIGHT - SIGNAL LIGHT | ● V.C. - SIGNAL MANHOLE |
| ● BN - TREE AND DIAMETER | ● V.C. - SIGNAL MANHOLE |
| ● BN - TREE AND DIAMETER | ● V.C. - SIGNAL MANHOLE |
| ● SN - SIGN | ● V.C. - SIGNAL MANHOLE |
| ● IP - IRON BAR | ● V.C. - SIGNAL MANHOLE |
| ● B - BUSH | ● V.C. - SIGNAL MANHOLE |
| ● P.P. - POWER POLE AND DEADMAN | ● V.C. - SIGNAL MANHOLE |
| ● KGE - ELECTRIC BOX | ● V.C. - SIGNAL MANHOLE |
| ● CO - CLEANOUT | ● V.C. - SIGNAL MANHOLE |
| ● E - UNDERGROUND ELECTRIC LINE | ● V.C. - SIGNAL MANHOLE |
| ● F - FENCE | ● V.C. - SIGNAL MANHOLE |
| ● BM - BENCHMARK | ● V.C. - SIGNAL MANHOLE |
| ● SWMH - STORM WATER MANHOLE | ● V.C. - SIGNAL MANHOLE |
| ● SSMH - SANITARY SEWER MANHOLE | ● V.C. - SIGNAL MANHOLE |
| ● SWB - TELEPHONE MANHOLE | ● V.C. - SIGNAL MANHOLE |
| ● B - BUILDING | ● V.C. - SIGNAL MANHOLE |
| ● OHE - OVERHEAD ELECTRIC LINE | ● V.C. - SIGNAL MANHOLE |
| ● P - POST | ● V.C. - SIGNAL MANHOLE |
| ● X - CHASED "X" CUT | ● V.C. - SIGNAL MANHOLE |
| ● O - OVERHANG | ● V.C. - SIGNAL MANHOLE |
| ● W - WATER LINE | ● V.C. - SIGNAL MANHOLE |
| ● S - SANITARY SEWER LINE | ● V.C. - SIGNAL MANHOLE |
| ● G - GAS LINE | ● V.C. - SIGNAL MANHOLE |
| ● T - TELEPHONE LINE | ● V.C. - SIGNAL MANHOLE |
| ● I - INLET | ● V.C. - SIGNAL MANHOLE |
| ● R - ROW OF BUSHES | ● V.C. - SIGNAL MANHOLE |
| ● RO - ROOF DRAIN | ● V.C. - SIGNAL MANHOLE |
| ● L - LIGHT POLE 2'-10" | ● V.C. - SIGNAL MANHOLE |
| ● OHTV - OVERHEAD CABLE TV LINE | ● V.C. - SIGNAL MANHOLE |
| ● MS - MONITORING SENSOR | ● V.C. - SIGNAL MANHOLE |

PROPOSED FEATURES LEGEND

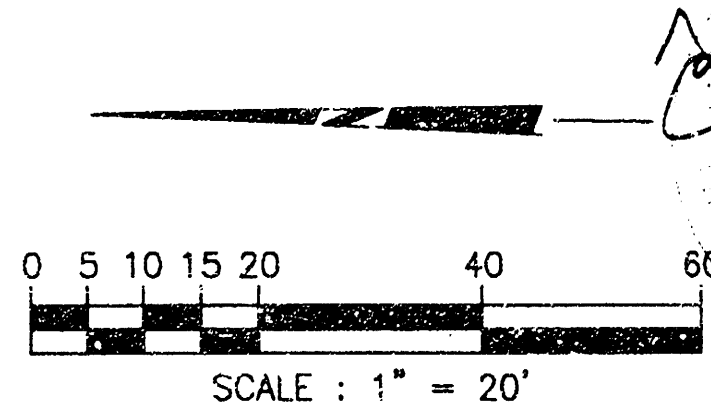
- | | |
|-----------------------------------|------|
| DOMESTIC SERVICE | 2" W |
| FIRE SERVICE | 6" F |
| GAS LINE | 0 |
| WATER LINE WITH 90° THRU BLOCK | 0 |
| SANITARY SEWER LINE WITH CLEANOUT | 0 |
| NEW FIRE HYDRANT | 0 |
| UNDERGROUND ELECTRIC | 0 |



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.

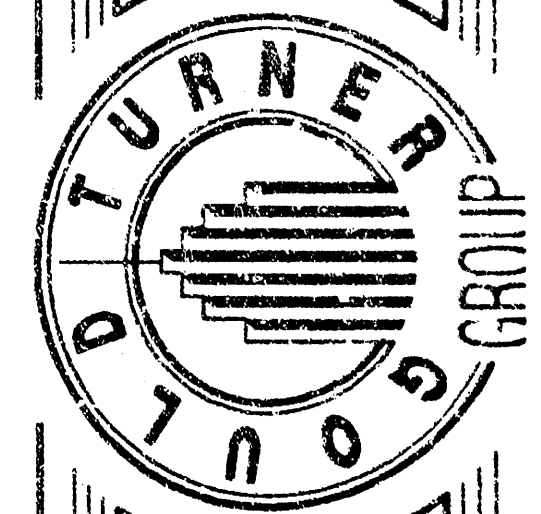


LITTLEJOHN ENGINEERING
ENGINEERING AND LAND PLANNING
1995 Twenty-First Avenue South Nashville, Tennessee 37212 Phone 615-382-4144

REVISIONS

DATE
MARCH 14, 2002

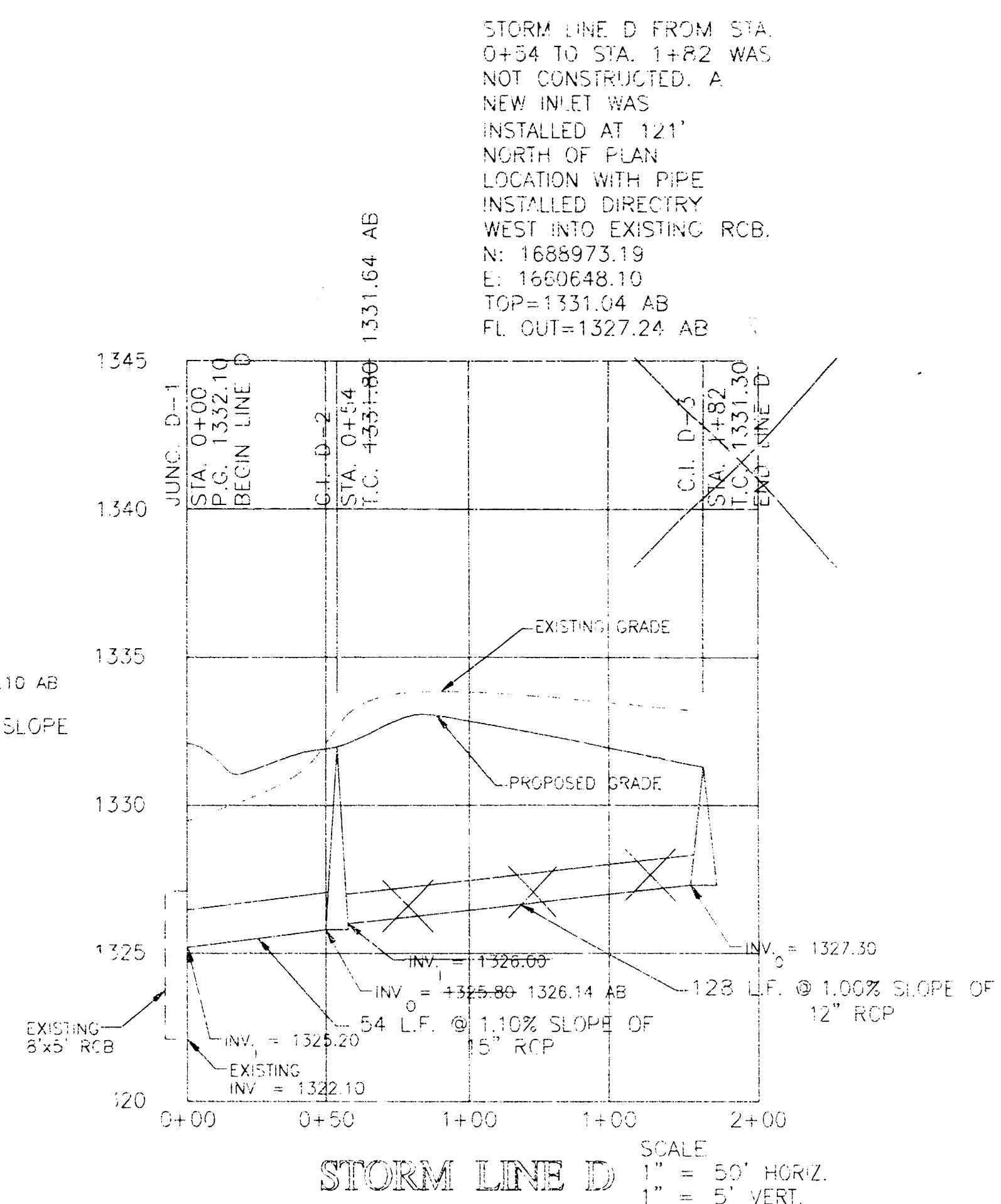
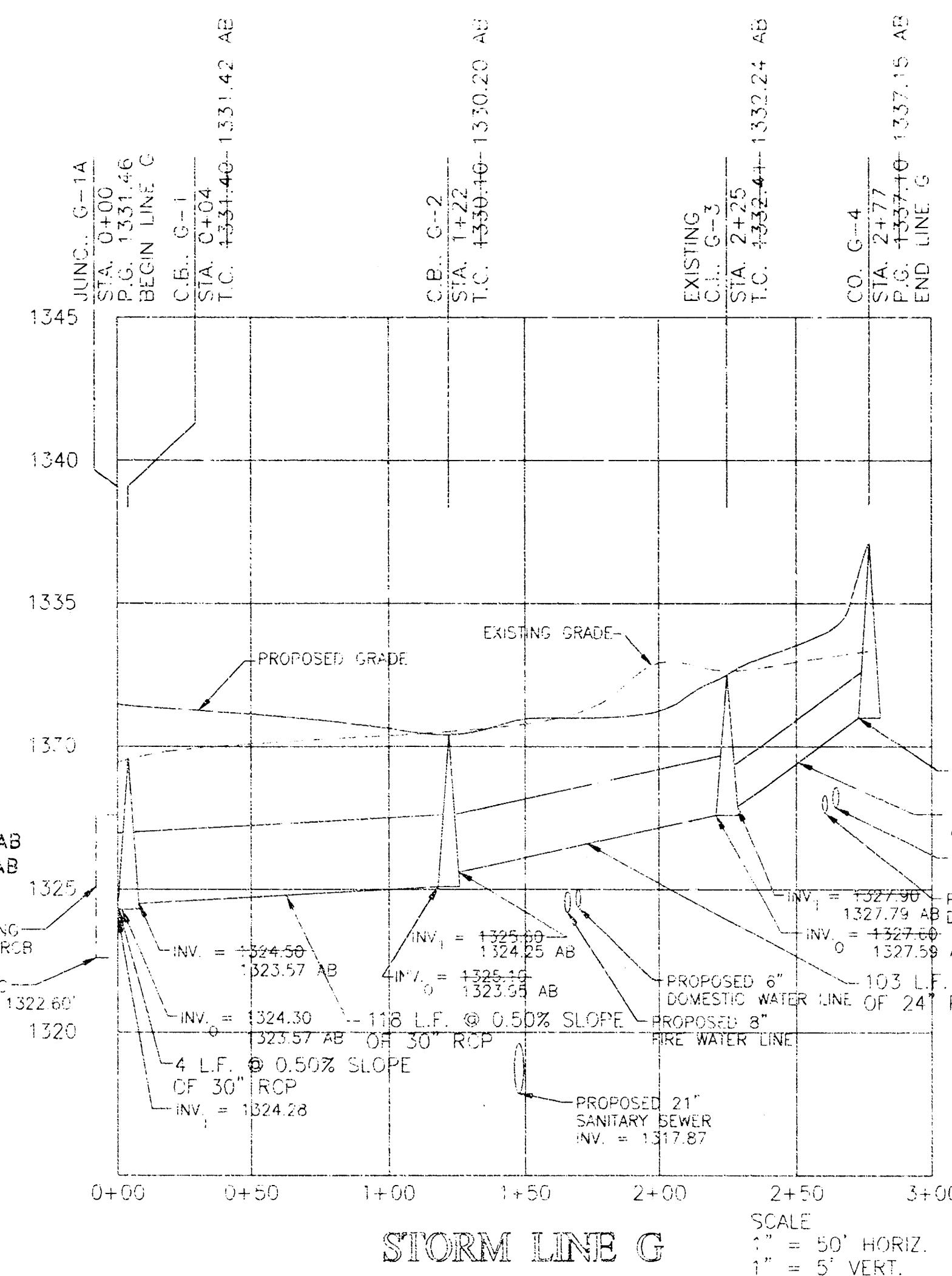
GOULD TURNER GROUP, P.C.
ARCHITECTS & PLANNERS
4400 HARDING ROAD, SUITE 1000
NASHVILLE, TENNESSEE 37203



WESLEY MEDICAL CENTER
ICU ADDITION & RENOVATION
WICHITA, KANSAS
OWNER: WESLEY MEDICAL CENTER
DATE: 12/14/01

SANITARY SEWER
PLAN & PROFILE
C4.0

18 14 03 19



STORM LINE D FROM STA.
0+34 TO STA. 1+82 WAS
NOT CONSTRUCTED. A
NEW INLET WAS
INSTALLED AT 121'
NORTH OF PLAN
LOCATION WITH PIPE
INSTALLED DIRECTLY
WEST INTO EXISTING RCB.
N: 1668973.19
E: 1660648.10
TOP=1331.04 AB
FL OUT=1327.24 AB

REVISIONS:

DATE: _____
PAGE: 1 of 1

GOULD TURNER GROUP, P.C.
ARCHITECTS & PLANNERS

TURNER 100 GROUP

TURNER
 BURNS
 WATSON
 WOODWARD
 CLARK
 HARRIS
 HENRY
 JONES
 KIMBLE
 LEE
 MANN
 MCGRAW
 MILLER
 MORSE
 NICHOLS
 ROSS
 SMITH
 TAYLOR
 THOMAS
 WALKER
 WILSON
 YOUNG

WESLEY MEDICAL CENTER
ICU ADDITION & RENOVATION

1000

STORM PIPE & INLET
PROPOSED CONTOUR
DRAINAGE STRUCTURE
DOMESTIC SERVICE
FIRE SERVICE
GAS LINE
WATER LINE WITH 90°
THRUST BLOCK
SANITARY SEWER LINE
WITH CLEANOUT
NEW FIRE HYDRANT
UNDERGROUND ELECTRIC

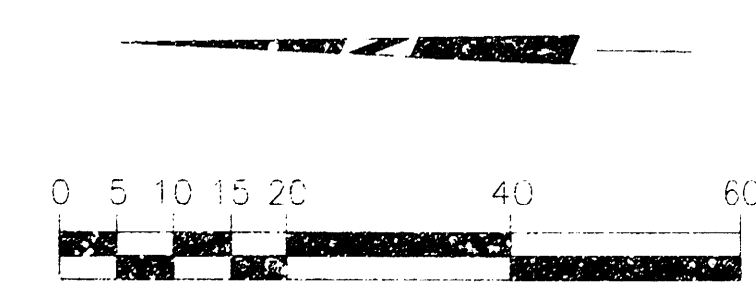
EXISTING FEATURES LEGEND

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 Rutun.
Elevation = 145.506'
5. Disk in North end of RCBC
Elevation = 145.536' #71' North of Edgemont, East side of Rutun.
6. " on top of curb, North return Southeast corner Lot 3, Wesley Medical
3rd Addition
Elevation = 154.531'

NOTE

SEE SHEET C2.0 FOR GENERAL NOTES.



AS-BUILT DECEMBER 2003

LITTLEJOHN ENGINEERING

1935, Twenty-First Avenue South, Nashville, Tennessee 37212. Phone 615-385-414.

GRADING & DRAINAGE
PLAN & PROFILE
C3.1