CONSTRUCTION PLANS FOR

LATERAL 11, MAIN 12

OF THE

SOUTHWEST INTERCEPTOR SEWER

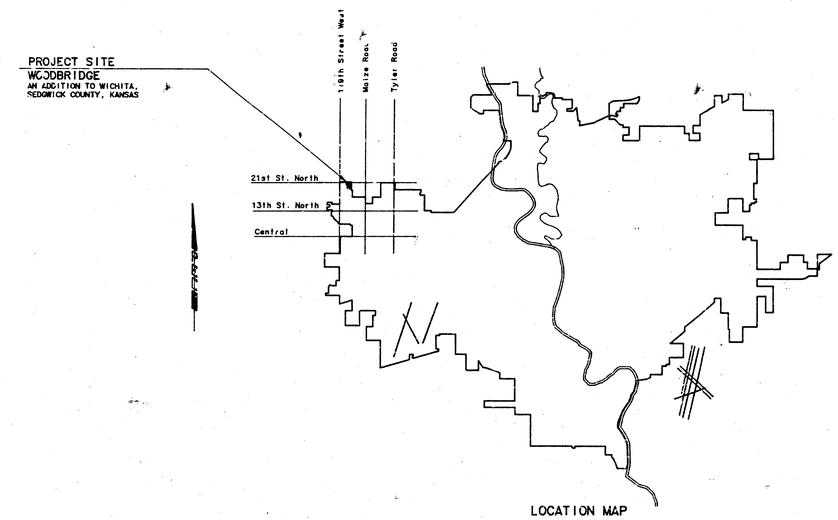
THE CITY OF WICHITA,

SEDGWICK COUNTY, KANSAS

MICHAEL E. LINDEBAK, P.E., CITY ENGINEER

INDEX OF SHEETS

SHEET NO. 1	TITLE SHEET
SHEET NO. 2	KEY MAP
SHEET NO. 3-5	PLAN/PROFILE



LOCATION MAP

As Built 7-85

All pipe on this project shall be P.V.C. Pipe.

CITY OF WICHITA PROJECT NO. 468-76-245-81032-000-000-001

JANUARY, 1985

BRUCE D. REINSCHE LICENSED 7982 KANSAS PROFESSIONAL ENGINEER

PLANS PREPARED BY

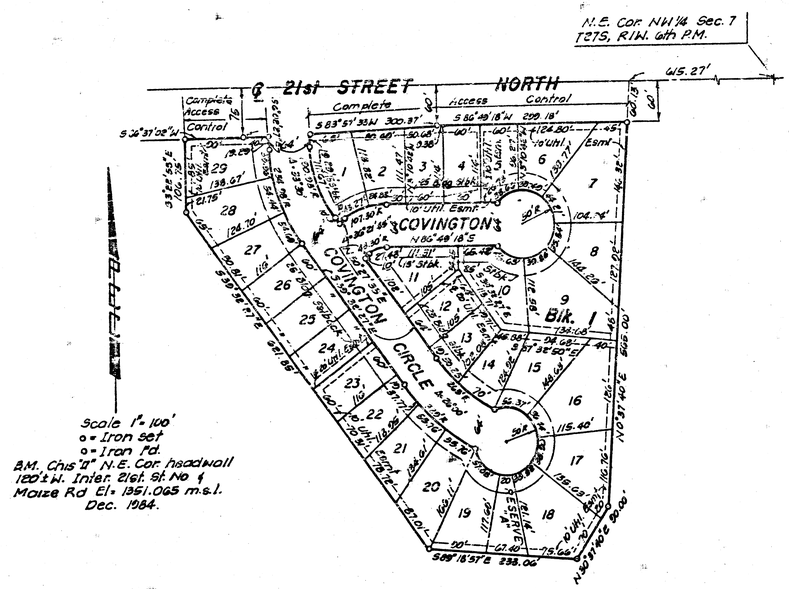
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.

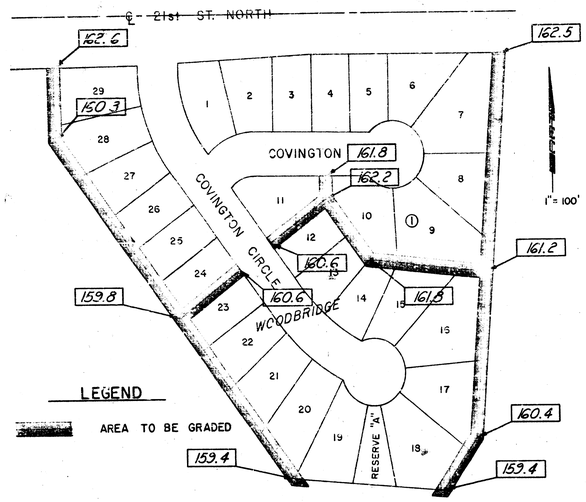
ENGINEERS

WICHITA, KANSAS

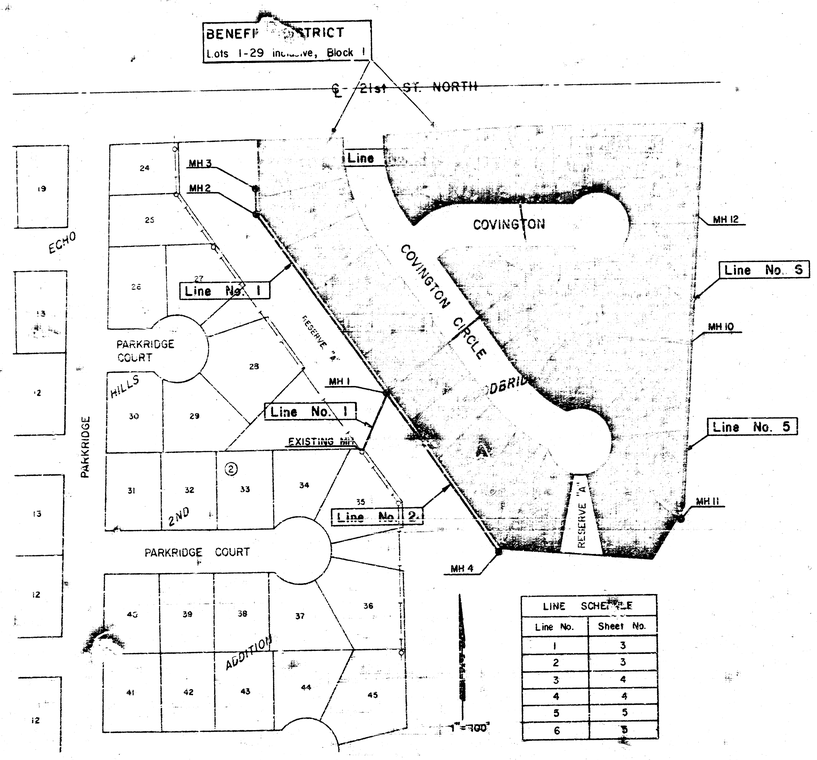
1/5

FILMED FROM BEST AVAILABLE COPY

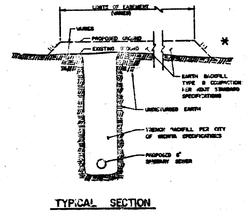




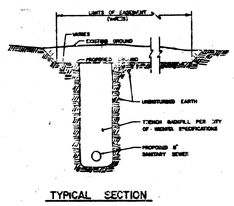
EASEMENT GRADING PLAN



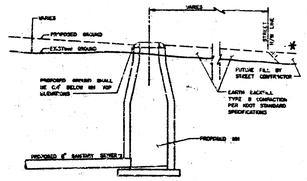
LINE SCHEDULE	
Line No.	Sheet No.
1	3
2	3
3	4
4	4
5	5
6	5



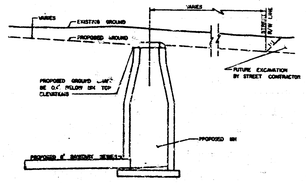
TYPICAL SECTION



TYPICAL SECTION



TYPICAL PROFILE
"FILL" SITUATIONS



TYPICAL PROFILE
"CUT" SITUATIONS

* TO PROVIDE UNIFORM GRADE INTO THE EXISTING DRAINAGE DITCH EAST OF THE EAST LINE OF Lots 7. 8, 9, 16. 17, AND 18, BLOCK 1, THE CONTRACTOR SHALL GRADE FROM THE EASEMENT LIMITS EAST TO A POINT THAT MATCHES THE EXISTING GROUND AT ELEVATION 161.6.

GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS TO COMPLY WITH CITY OF WICHITA SPECIFICATIONS AND STANDARDS.
2. ALL ELEVATIONS SHOWN ARE CITY OF WICHITA DATUM (USGS-1187.4 = CITY DATUM).
3. THE CONTRACTOR SHALL LIMIT THE EXTENT OF TRENCH TO REMAIN OPEN OVERNIGHTS AND WEEKENDS TO LESS THAN 50 FEET.
4. AT LEAST 48 HOURS PRIOR TO BEGINNING EXCAVATION (EXCLUDING WEEKENDS AND HOLIDAYS), THE CONTRACTOR SHALL CONTACT THE KANSAS ONE-CALL SYSTEM, A UTILITY LOCATION SERVICE, AT (316) 637-2470 TO REQUEST THE FOLLOWING UTILITY COMPANIES TO LOCATE ANY EXISTING LINES WITHIN THE PROJECT AREA: GAS SERVICE COMPANY, K.G. & E., THE WICHITA WATER DEPARTMENT, AND AIR CAPITAL CABLEVISION.
5. THE CONTRACTOR MUST ALSO NOTIFY THE TELEPHONE COMPANY AT (913) 571-2115 48 HOURS PRIOR TO BEGINNING EXCAVATION AND REQUEST THAT ANY LINES WITHIN THE PROJECT AREA BE FLAGGED.
6. THE BURIED UTILITIES AS LOCATED ON THE PLANS ARE APPROXIMATE LOCATIONS ONLY. IT SHOULD BE NOTED THAT OTHER BURIED LINES AND CABLES MAY EXIST WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION DURING TRENCHING OPERATIONS TO AVOID DAMAGING THESE LINES. ANY LINES DAMAGED SHALL BE REPLACED OR REPAIRED IMMEDIATELY AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
7. THE CONTRACTOR SHALL RESTORE ALL DITCHES, SWALES, ROAD SHOULDERS, ENTRANCES, AND BANK LINES TO THEIR ORIGINAL SLOPES AND GRADES EXCEPT AS SHOWN OTHERWISE ON THE EASEMENT GRADING PLAN.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE LAWS. ALL COSTS FOR THIS WORK SHALL BE SUBSIDIARY TO THE OTHER ITEMS OF WORK.
9. ALL EXCESS EXCAVATED MATERIAL FROM THIS PROJECT SHALL BE WASTED ON SITE. NO EXCESS MATERIAL SHALL BE PLACED WITHIN STREET RIGHTS-OF-WAY. THE CONTRACTOR SHALL CONTACT THE DEVELOPER FOR INFORMATION PERTAINING TO ACCEPTABLE LOCATIONS FOR THE DISPOSITION OF WASTE MATERIAL. WASTE MATERIAL SHALL BE BLADED SMOOTH AND SLOPED TO DRAIN. THIS WORK SHALL BE SUBSIDIARY TO OTHER BID ITEMS.
10. RISER CONSTRUCTION SHALL CONFORM TO CITY OF WICHITA SPECIFICATIONS AND STANDARDS. LOCATIONS OF THE ENDS OF THE RISERS SHALL BE MARKED BY FASTENING GREEN-COLORED PLASTIC TAPE TO THE END OF THE RISER AND BROUGHT TO THE GROUND SURFACE AS THE EXCAVATION IS BACKFILLED SUCH THAT THE COLORED TAPE WILL BE VISIBLE WHEN THE PROJECT IS COMPLETED. ALL RISERS SHALL BE CONSTRUCTED USING S.D.R. 23.5 A.B.S. OR P.V.C. PIPE.
11. CONTRACTOR SHALL INSTALL TEE SADDLES AND RISERS AS DIRECTED BY THE DEVELOPER.
12. CONTRACTOR SHALL GRADE THE SANITARY SEWER ALIGNMENT TO THE PROFILE AND ELEVATIONS SHOWN ON THE EASEMENT GRADING PLAN. THE CONTRACTOR SHOULD VISIT THE SITE TO DETERMINE THE EXTENT OF GRADING PRIOR TO PREPARATION OF HIS BID. ALL COSTS FOR GRADING SHALL BE SUBSIDIARY TO THE PROJECT.
13. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL MANHOLE COVERS.

BRUCE D. REMSBERG LICENSED 7992 KANSAS PROFESSIONAL ENGINEER

No.	Revison	By	Date

LATERAL 11, MAIN 12 OF THE SOUTHWEST INTERCEPTOR SEWER

KEY MAP

MICHAEL E. LINDEBAK, P.E. CITY ENGINEER
CITY OF WICHITA PROJECT NO. 468-76-245-81032-000-000-001

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS

Designed by BDR, RFJ | Job No. 34-84654-2 | Sht. 2 of 5
Drawn by DMM | Date January 1985

SCALE 0 40 80

PLAN: Lat. & Long.

PROFILE: Horiz. same as above
Vertical 5 C

Sta. 0+00.0
Connect to existing 8" PVC stub as required

Sta. 0+90.3
Const. MH 1
Inside Drop MH
Type A-4-5 C

Sta. 4+22.7
Const. MH 2
Standard MH
Type A-4-5 C

Sta. 4+60.4
Const. MH 3
Standard MH
Type A-4-5 C

Sta. 0+90.8, Line No. 1
Sta. 0+00.0, Line No. 2
MH 1

Sta. 2+93.4
Const. MH 4
Standard MH
Type A-4-5

Line No. 3
See sh't no. 4

Line No. 2
See this sheet

Line No. 1
See this sheet

COVINGTON CIRCLE

ECHO HILLS 2ND ADDITION

WOODBRIDGE

RESERVE "A"

Not parallel

Existing 12" PVC Sanitary Sewer

Existing 12" PVC San Sewer

Underground Telephone

Asphalt 21st St. NORTH

Install 90.3 L.F. 8" PVC Pipe

Install 332.4 L.F. 8" Pipe

Install 37.7 L.F. 8" Pipe

Install 293.4 L.F. 8" Pipe

Install 1-4" stub and plug

20' Utility Easement

5' Utility Easement

B' Gas Service

Iron

MH

BM: City of Wichita Bench Mark Disc, 67' south of centerline 21st, and 46' east of centerline 119th. Elev. = 172.08 (City Datum)

LINE No. 1

LINE No. 2

Existing MH

MH 1 Top Elev. = 160.36

MH 2 Top Elev. = 160.29

MH 3 Top Elev. = 161.16

MH 4 Top Elev. = 153.90

Proposed Ground

Existing Ground

E IN = 146.53 from 12" N

E IN = 147.25 (8") from LINE No. 3

E IN = 148.25 (8") From LINE No. 2

E IN = 152.26 (4") from 1-4" Stub (NE)

E IN = 149.25 (4") from 1-4 Stub (NE)

90.3 L.F. 8" PVC Pipe @ 0.40%

332.4 L.F. 8" Pipe @ 0.40%

37.7 L.F. 8" Pipe @ 0.40%

293.4 L.F. 8" Pipe @ 0.40%

0+00 1+00 2+00 3+00 4+00

PLATE 1 PLAN-PROFILE O. P. W. & R. F. STANDARD
EUGENE DIETZGEN CO.

LATERAL 11, MAIN 12 OF THE SOUTHWEST INTERCEPTOR SEWER

LINE NO. 1 AND 2

MICHAEL E. LINDEBAK, P.E. CITY ENGINEER
CITY OF WICHITA PROJECT NO. 468-74-245-81032-000-000-001

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS

Job No. 34-84654-2
Date JANUARY 1985
Designed by BDR, RFJ
Drawn by DHM

Sht. 3 of 5

BRUCE D. REMSBURG LICENSED PROFESSIONAL ENGINEER 7992 KANSAS

PLAN: SURVEYED, DRAFTED, PLOTTED, GRADES CHECKED, ALIGNMENT CHECKED, AS TO PLAN DIRECTED, NOTE BOOK, NO.

PROFILE: SURVEYED, DRAFTED, PLOTTED, GRADES CHECKED, ALIGNMENT CHECKED, AS TO PLAN DIRECTED, NOTE BOOK, NO., STRUCTURE NOTATIONS CHECKED

BY, DATE

SCALE
0 40 80
PLAN: Lat. & Long.
PROFILE: Horiz. same as above
Vertical → 5 0

Sta. 3+36.8 Const. MH 6 Standard MH Type A or C
Line No. 1 See sh't no. 3
Sta. 0+90.4 Line No. 1
Sta. 0+00.0 Line No. 3
MH 1
Line No. 2 See sh't no. 3
Line No. 4 See this sheet
Sta. 2+85.8 Const. MH 5 Standard MH Type A or C
Sta. 5+17.6 Const. MH 7 Standard MH Type A or C
Line No. 3 See this sheet
Line No. 5 See sh't no. 5
Install 285.0 L.F. 8" ABS or PVC pipe
Install 121.3 L.F. 8" Pipe
Install 111.3 L.F. 8" Pipe
Install 1-4" stub and plug
Sta. 3+36.8, Line No. 3
Sta. 0+00.0, Line No. 4
MH 6
Sta. 1+25.7 Const. MH 8 Standard MH Type A or C
Install 125.7 L.F. 8" Pipe
Install 1-4" stub and plug
Not Parallel
Not parallel
COVINGTON CIRCLE
WOODBRIDGE
COVINGTON
RESERVE
21st ST. NORTH
Underground Telephone
8" Gas Service
BM: City of Wichita Bench Mark Disc, 67' south of centerline 21st, and 46' east of centerline 119th. Elev. = 172.08 (City Datum)

LINE No. 3

MH 1 Top Elev. = 160.35
MH 5 Top Elev. = 162.87
MH 6 Top Elev. = 162.90
MH 7 Top Elev. = 162.32
MH 6 Top Elev. = 166.80
MH 8 Top Elev. = 161.40
Proposed Ground
Existing Ground
E in = 148.25 (8") from Line No. 2
E in = 150.25 (6") from Line No. 1
E in = 148.21 from Line No. 5
E in = 151.50 from Line No. 4
E in = 152.93 (4") from 1-4" Stub (NE)
E in = 151.50 (8") from Line No. 3
E in = 152.93 (4") from 1-4" Stub (NW)
285.0 L.F. 8" ABS or PVC Pipe @ 0.30%
111.3 L.F. 8" Pipe @ 0.40%
121.3 L.F. 8" Pipe @ 0.40%
125.7 L.F. 8" Pipe @ 0.40%
0+00 1+00 2+00 3+00 4+00 5+00

LINE No. 4

0+00 1+00

PLATE 1 PLAN-PROFILE O. P. R. & R. E. STANDARD
EUGENE DIETZGEN CO.

BRUCE D. REAGOR LICENSED PROFESSIONAL ENGINEER 7982 KANSAS

LATERAL 11, MAIN 12 OF THE SOUTHWEST INTERCEPTOR SEWER
LINE NO. 3 AND 4
MICHAEL E. LINDEGAK, P.E. CITY ENGINEER
CITY OF WICHITA PROJECT NO. 466-76-243-81032-000-000-001

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS
Job No. 34-84654-2
Date January 1985
Designed by BDR, RPJ
Drawn by DMM
Sht. 4 of 5

4/5

SCALE 0 40 80

PLAN: Horiz. & Long.

PROFILE: Horiz. same as above
Vertical 5 0

Sta. 2+85.0 LINE No. 3
Sta. 0+00.0 LINE No. 5
MH 5

LINE No. 6
See this sheet

Sta. 2+87.3
Const. MH 10
Standard MH
Type ~~A~~ C

Sta. 1+14.0
Const. MH 9
Standard MH
Type ~~A~~ C

Iron

COVINGTON

WOODBRIDGE

RESERVE "A"

℄ 20' Utility Easement

LINE No. 3
See sh't no. 4

LINE No. 5

Not Parallel

89°02'46"

46°14'54"

88°10'30"

IDENTICAL PARTS

Install 114.1 L.F.
8" ABS or PVC pipe

Install 173.2 L.F.
8" ABS or PVC pipe

Sta. 2+87.3
MH 10

Sta. 5+~~25.5~~
Const. MH 11
Standard MH
Type ~~A~~ C

ECHO HILLS 2ND ADDITION

Install 256.6 L.F.
8" ABS or PVC pipe

Install 1-4" stub
and plug

As Built 7-85

Sta. 2+87.3 LINE No. 5
Sta. 0+00.0 LINE No. 6
MH 10

Sta. 1+~~25.5~~
Const. MH 12
Standard MH
Type ~~A~~ C

LINE No. 5
See this sheet

Install 1-4" stub
and plug

LINE No. 6

15'

Install 195.5 L.F.
8" Pipe

BM: City of Wichita Bench Mark Disc, 67' south of centerline 21st and 46' east of centerline 119th. Elev. = 172.08 (City Datum)

LINE No. 5

LINE No. 6

Existing Ground

Proposed Ground

MH 5 Top Elev. = 162.~~6~~ 8.7

MH 9 Top Elev. = 162.~~8~~ 8.13

MH 10 Top Elev. = 161.~~8~~ 8.55

MH 11 Top Elev. = 160.~~8~~ 8.58

MH 10 Top Elev. = 161.~~8~~ 8.55

MH 12 Top Elev. = 161.~~8~~ 8.17

I.E. IN = 150.86 (8")
from LINE No. 3

I.E. IN = 151.47
from LINE No. 6

I.E. IN = 150.37 (4")
from 1-4" Stub (D)

I.E. IN = 152.~~38~~ (4")
from 1-4" Stub (MH)

I.E. IN = 132.7 (8")
from LINE No. 5

I.E. OUT = 145.~~8~~ 12
I.E. IN = 145.~~8~~ 42

I.E. OUT = 145.~~8~~ 42.7
I.E. IN = 145.~~8~~ 82.7

I.E. = 143.~~8~~ 82

I.E. OUT = 145.~~8~~ 82.16
I.E. IN = 145.~~8~~ 82.96

I.E. = 145.~~8~~ 82

I.E. = 145.~~8~~ 82

I.E. = 150.~~8~~ 68

I.E. OUT = 149.~~8~~ 16
I.E. IN = 149.~~8~~ 33

I.E. = 152.~~8~~ 82

114.1 L.F. 8" ~~ABS~~ or PVC @ 0.30%

173.2 L.F. 8" ~~ABS~~ or PVC Pipe @ 0.30%

256.6 L.F. 8" ~~ABS~~ or PVC Pipe @ 0.30%

195.5 L.F. 8" Pipe @ 0.40%

0+00 1+00 2+00 3+00 4+00 5+00 0+00 1+00

175 170 165 160 155 150 145 140 135

PLATE I PLAN-PROFILE O. P. W. & R. E. STANDARD
EUGENE OHTZEN CO.

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS

Designed by BDR RFJ
Drawn by DMH
Job No. 34-84454-2
Date January 1985

LATERAL 11, MAIN 12 OF THE SOUTHWEST INTERCEPTOR SEWER

LINE NO. 5 AND 6

MICHAEL E. LINDEBAK, P.E. CITY ENGINEER
CITY OF WICHITA PROJECT NO. 468-76-243-8032-000-000-001

Sht. 5 of 5

BRUCE D. HENDRIX LICENSED 7992 KANSAS PROFESSIONAL ENGINEER

PLAN: SURVEYED, PLOTTED, COORDINATES CHECKED, NOTE BOOK, ALIGNMENT CHECKED BY, OF MAT. CHECKED, NO., STRUCTURE NUMBERS MISSING, DATE, BY

PROFILE: SURVEYED, PLOTTED, COORDINATES CHECKED, NOTE BOOK, ELEVATIONS NOTED, NO., STRUCTURE NUMBERS MISSING, DATE, BY