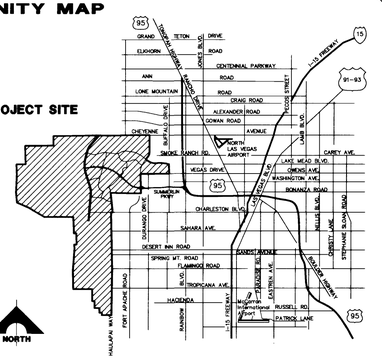
GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE SUMMERLIN IMPROVEMENT STANDARDS AS APPROVED BY THE CITY COUNCIL ON 11/18/92, SIGNED BY CLV 2/2/93, "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST ISSUE; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".
2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCES WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD OR UNDERGROUND POWER, GAS AND/OR OTHER UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COSTS AND LIABILITY IN CONNECTION THEREWITH.
3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES, AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER OR OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
4. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
5. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS. MIX DESIGN TO BE APPROVED BY THE QUALITY CONTROL DIVISION PRIOR TO USE ON THE PROJECT.
6. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 150' IN EXTRUDED TYPE CURB.
8. AC PAVEMENT TO BE 1/2" ABOVE LIP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS.
9. APPLY FOG SEAL ONLY AFTER ALL CORRECTIONS AND ADJUSTMENTS HAVE BEEN MADE.
10. CURB & GUTTER WITH A GRADE OF LESS THAN FIVE TENTHS OF ONE PERCENT SHALL BE WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION. ANY CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY SHALL BE REMOVED AND REPLACED AT THE EXPENSE OF THE CONTRACTOR.
11. SIDEWALK RAMPS SHALL BE CONSTRUCTED AS SHOWN ON PLANS PER SUMMERLIN STD. DRAWING NO. S-75. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.
12. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF TRANSITIONS TO BE AS SHOWN ON PLANS, OR AS DESIGNATED IN THE FIELD BY A CITY INSPECTOR.
13. SOILS REPORT(S) PREPARED FOR THIS PROJECT ARE AVAILABLE FOR CONTRACTOR'S REVIEW AS DESCRIBED IN PARAGRAPH 1.4.2 OF THE CONSTRUCTION AGREEMENT.
14. EXACT LOCATION OF ALL SAWCUT LINES MAY BE DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS INSPECTOR IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATION.
15. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORD. WITH N.R.S. STATUTE NO. 625.550.
16. UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC. SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.
17. WALL NOTES:
    A. ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN FOR THE PURPOSE OF GRADING RELATIONSHIPS.
    B. THE STRUCTURAL AND ARCHITECTURAL DESIGN OF ALL WALLS (RETAINING OR NON-RETAINING) MUST BE APPROVED BY THE CLV BUILDING DEPARTMENT.
18. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT ON CITY STREETS.
19. 48 HOURS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT:

LAS VEGAS VALLEY WATER DISTRICT	PHONE	870-2011
NEVADA POWER COMPANY	PHONE	1-800-227-2600
SPRINT - CENTRAL TELEPHONE COMPANY	PHONE	1-800-227-2600
SOUTHWEST GAS CORPORATION	PHONE	365-2296
KERN RIVER GAS	PHONE	801-584-6762

20. CONTRACTOR TO SECURE AN ENCROACHMENT PERMIT FROM KERN RIVER GAS PRIOR TO COMMENCING WORK WITHIN THE LIMITS OF THE EXISTING KERN RIVER GAS LINE EASEMENT.
21. CONTRACTOR TO VERIFY MAIN LINE AND SERVICE LATERAL CROSSINGS PRIOR TO INSTALLATION OF UTILITIES.
22. ALL EXISTING UTILITY CROSSINGS MUST BE VERIFIED PRIOR TO CONSTRUCTION OF ANY MAIN LINES OR LATERALS THAT MAY BE ADVERSELY EFFECTED. ANY DISCREPANCIES IN LOCATION AND/OR ELEVATION MUST BE PROVIDED TO THE ENGINEER FOR ACCEPTANCE PRIOR TO CONSTRUCTION.

VICINITY MAP



DEVIATIONS

LEGEND & ABBREVIATION

(1) DETAIL DRAWING NUMBER

(1/-) DRAWING NUMBER FOR DETAIL DRAWN ON SAME SHEET

(1/7) DRAWING NUMBER FOR DETAIL WITH REFERENCE TO THE SHEET IT IS DRAWN ON

(D1,D2/S) DRAWING NUMBER(S) FOR DETAIL(S) PER SUMMERLIN IMPROVEMENTS STANDARDS, OR PER STANDARDS IN ABBREVIATION TABLE

(1/-) INDICATES CONSTRUCTION NOTE

(A/-) INDICATES REMOVAL NOTE

(1) INDICATES CURVE NUMBER

INDICATES SEWER MANHOLE IN PROFILE

INDICATES STORM DRAIN MANHOLE IN PROFILE

(60.5) TC EXIST. SPOT ELEVATION

END PIPE & PLUG

CONCRETE ENCASEMENT

EMBANKMENT

TOP — PROPOSED

BOTTOM — YYY BY SEPARATE CONTRACT

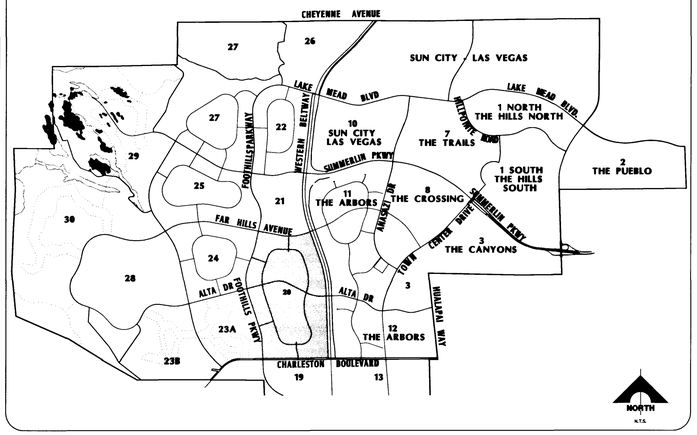
YYY EXISTING

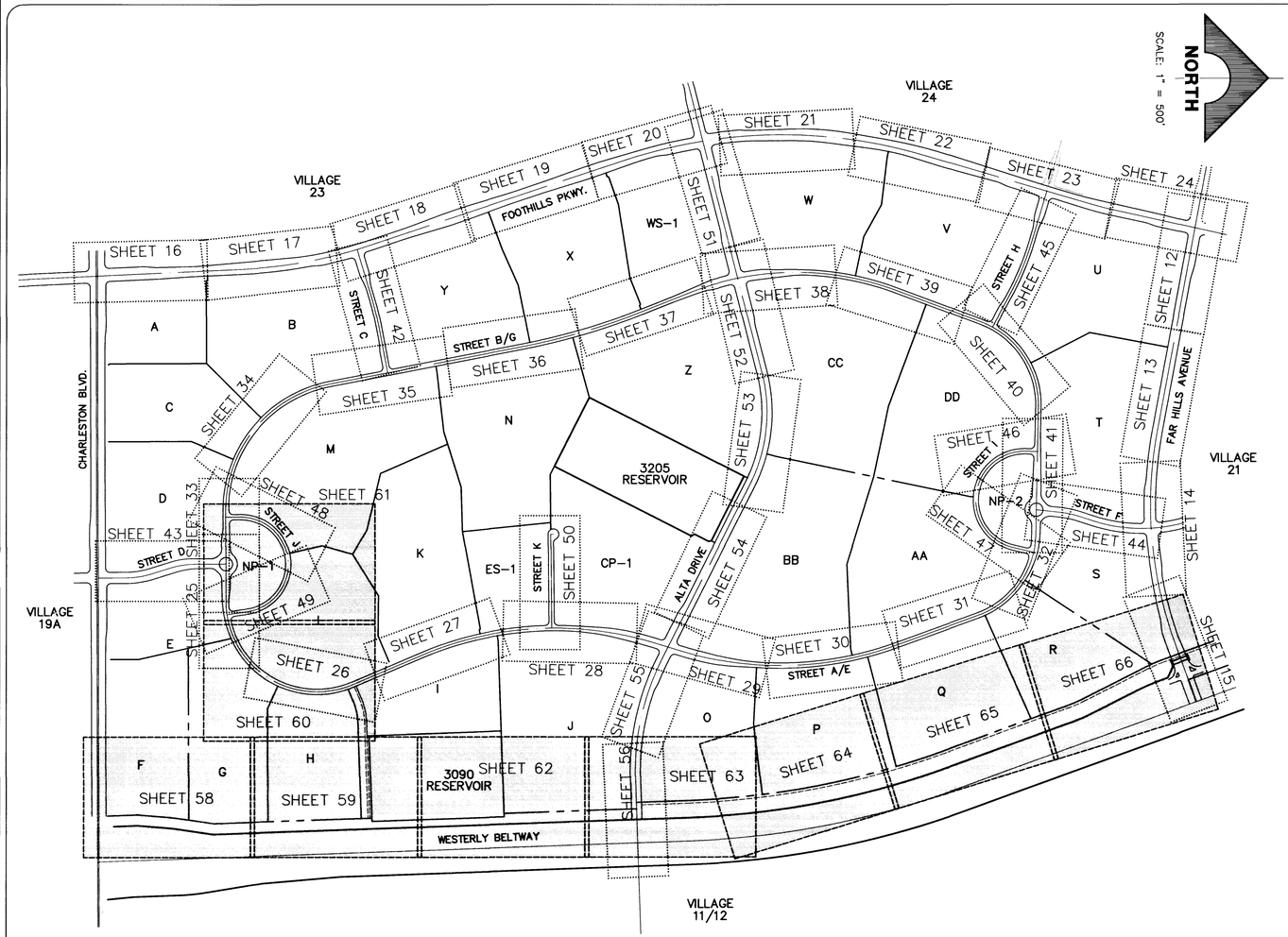
ABBREVIATION

I	= IMPROVEMENTS
W	= WATER
S	= SEWER
SD	= STORM DRAIN
SL	= STREET LIGHTING
SIG	= TRAFFIC SIGNAL
SMH	= SEWER MANHOLE
SDMH	= STORM DRAIN MANHOLE
CLV	= CITY OF LAS VEGAS
LVVWD	= LAS VEGAS VALLEY WATER DISTRICT
NDOT	= NEVADA DEPT. OF TRANSPORTATION
THHC	= THE HOWARD HUGHES CORPORATION

NOTE: LEGEND & ABBREVIATIONS IN THE "SUMMERLIN IMPROVEMENT STANDARDS", LATEST EDITION, WILL BE UTILIZED FOR ANY LEGEND & ABBREVIATION REQUIRED WHICH ARE NOT SHOWN.

LOCATION MAP





INDEX OF DRAWINGS

1. COVER SHEET
2. PROJECT DATA SHEET
3. HORIZONTAL CONTROL PLAN (1)
4. HORIZONTAL CONTROL PLAN (2)
5. HORIZONTAL CONTROL PLAN (3)
6. HORIZONTAL CONTROL PLAN (4)
7. HORIZONTAL CONTROL PLAN (5)
8. HORIZONTAL CONTROL PLAN (6)
9. HORIZONTAL CONTROL PLAN (7)
10. HORIZONTAL CONTROL PLAN (8)
11. HORIZONTAL CONTROL PLAN (9)
12. FAR HILLS AVENUE PLAN AND PROFILE (1)
13. FAR HILLS AVENUE PLAN AND PROFILE (2)
14. FAR HILLS AVENUE PLAN AND PROFILE (3)
15. FAR HILLS AVENUE PLAN AND PROFILE (4)
16. FOOTHILLS PARKWAY INTERIM CHANNEL P AND P (1)
17. FOOTHILLS PARKWAY INTERIM CHANNEL P AND P (2)
18. FOOTHILLS PARKWAY INTERIM CHANNEL P AND P (3)
19. FOOTHILLS PARKWAY INTERIM CHANNEL P AND P (4)
20. FOOTHILLS PARKWAY INTERIM CHANNEL P AND P (5)
21. FOOTHILLS PARKWAY INTERIM CHANNEL P AND P (6)
22. FOOTHILLS PARKWAY INTERIM CHANNEL P AND P (7)
23. FOOTHILLS PARKWAY INTERIM CHANNEL P AND P (8)
24. FOOTHILLS PARKWAY INTERIM CHANNEL P AND P (9)
25. STREET A/E PLAN AND PROFILE (1)
26. STREET A/E PLAN AND PROFILE (2)
27. STREET A/E PLAN AND PROFILE (3)
28. STREET A/E PLAN AND PROFILE (4)
29. STREET A/E PLAN AND PROFILE (5)
30. STREET A/E PLAN AND PROFILE (6)
31. STREET A/E PLAN AND PROFILE (7)
32. STREET A/E PLAN AND PROFILE (8)
33. STREET B/G PLAN AND PROFILE (1)
34. STREET B/G PLAN AND PROFILE (2)
35. STREET B/G PLAN AND PROFILE (3)
36. STREET B/G PLAN AND PROFILE (4)
37. STREET B/G PLAN AND PROFILE (5)
38. STREET B/G PLAN AND PROFILE (6)
39. STREET B/G PLAN AND PROFILE (7)
40. STREET B/G PLAN AND PROFILE (8)
41. STREET B/G PLAN AND PROFILE (9)
42. STREET C PLAN AND PROFILE
43. STREET D PLAN AND PROFILE
44. STREET F PLAN AND PROFILE
45. STREET H PLAN AND PROFILE
46. STREET I PLAN AND PROFILE (1)
47. STREET I PLAN AND PROFILE (2)
48. STREET J PLAN AND PROFILE (1)
49. STREET J PLAN AND PROFILE (2)
50. STREET K PLAN AND PROFILE
51. ALTA DRIVE PLAN AND PROFILE (1)
52. ALTA DRIVE PLAN AND PROFILE (2)
53. ALTA DRIVE PLAN AND PROFILE (3)
54. ALTA DRIVE PLAN AND PROFILE (4)
55. ALTA DRIVE PLAN AND PROFILE (5)
56. ALTA DRIVE PLAN (6)
57. ALTA DRIVE PROFILE (6)
58. 1" = 40' MASS GRADING (1)
59. 1" = 40' MASS GRADING AND 3090 CHANNEL PLAN (2)
60. 1" = 40' MASS GRADING AND 3090 CHANNEL PLAN (3)
61. 1" = 40' MASS GRADING (4)
~~82. 1" = 40' MASS GRADING (6)~~
~~63. 1" = 40' MASS GRADING (6)~~
~~64. 1" = 40' MASS GRADING (7)~~
~~65. 1" = 40' MASS GRADING (8)~~
~~66. 1" = 40' MASS GRADING (9)~~
67. MISC. SECTIONS AND DETAILS (1)
68. MISC. SECTIONS AND DETAILS (2)

NOT A PART

DRAINAGE CERTIFICATION

I CERTIFY THAT THE GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY ON FILE AT THE CITY OF LAS VEGAS FOR THIS PROJECT.

BERT A. HUGHES R.P.E. 10259 — 12/8/97 DATE

APPROVALS

"APPROVAL OF THESE PLANS BY THE CITY ENGINEER IS LIMITED TO THOSE IMPROVEMENTS CONSTRUCTED IN THE DEDICATED RIGHTS-OF-WAY AND / OR DEDICATED EASEMENTS. THIS APPROVAL DOES NOT AUTHORIZE THE CONSTRUCTION OF ANY IMPROVEMENTS THAT DEVIATE FROM ADOPTED STANDARDS AND / OR SPECIFICATIONS EXCEPT THOSE SPECIFICALLY LISTED UNDER "DEVIATIONS FROM STANDARDS". THE ENGINEER SHALL RESOLVE ANY DEVIATION OTHER THAN THOSE LISTED IN "DEVIATION FROM STANDARDS" IN FAVOR OF THE SUMMERLIN IMPROVEMENT STANDARDS AND SPECIFICATIONS CLARK COUNTY AREA NEVADA".

CITY OF LAS VEGAS

CITY ENGINEER — 12/11/97 DATE

SUMMERLIN

GERALD M. ROBBINS — 12/8/97 DATE

BASIS OF BEARING

SOUTH 89°54'38" WEST BEING THE BEARING OF THE SOUTH LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 35, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., AS SHOWN BY MAP ON FILE IN FILE 87, PAGE 73 OF SURVEYS, IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

BENCHMARK

RIVET & PLATE IN TOP OF CURB, NE RETURN OF CHARLESTON BLVD. AND HUALAPAI WAY. (NO. OLV09-36SES)

*2912.23	NAVD 1988 DATUM (887.6503 M)
2910.05	SUMMERLIN DATUM

* THIS PROJECT BASED ON NAVD 1988 DATUM

Avoid cutting underground utility lines. It's costly.

Call before you Dig.

1-800-227-2600

UNDERGROUND SERVICE ALERT (USA)

REV.	DATE	DESCRIPTION	DATE	AGEN. APP.	DATE	GCW APP.

ISSUE TO CONSTRUCT 12/05/97

RECOMMENDED BERT A. HUGHES P.E. NO. 10259 DATE

STATE OF NEVADA — ENGINEER — BERT A. HUGHES — CIVIL — 10259 — REGISTERED PROFESSIONAL

G.C. WALLACE, INC.
Engineering/Architecture
1555 SOUTH RAINBOW BLVD. LAS VEGAS, NEVADA 89102 (702) 363-1200
SUMMERLIN DIVISION: (702) 363-0991

SUMMERLIN
VILLAGE 20 - ROUGH GRADING
PROJECT DATA SHEET

SHEET 2

SHT 2 OF 68

JOB NO. 62020.201

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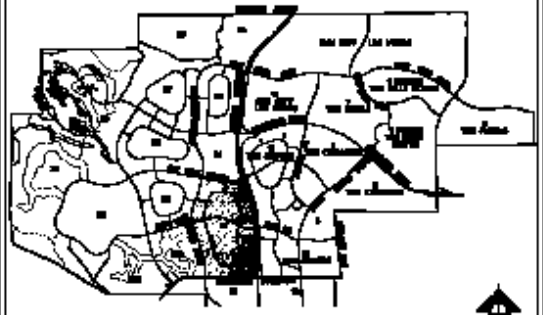
1787

107-V2777

GENERAL NOTES

LEGEND & ABBREVIATION

LOCATION MAP

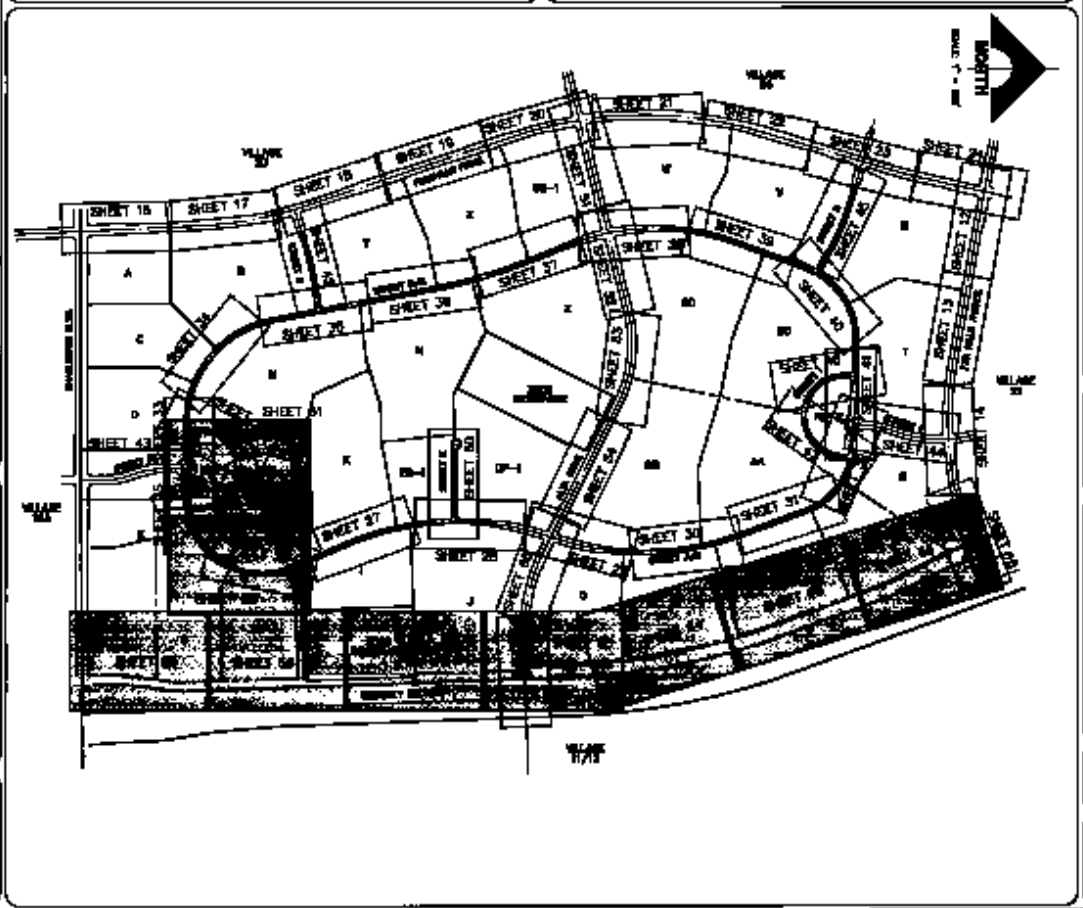


INDEX OF DRAWINGS

NOT A PART

VICINITY MAP

DEVIATIONS



DRAINAGE CERTIFICATION

APPROVALS

BASIS OF BEARING

BENCHMARK

Call before you Dig.

VILLAGE 30 - ROUGH GRADING

PROJECT DATA SHEET

G.C. WALLACE, INC.

SHEET 2