

PARKING SUMMARY:
BUILDING USE: MEDICAL OFFICE/CLINIC
SQUARE FOOTAGE: 12,500
PARKING REQUIRED:
Minimum (1,400 gsf) - 32
Maximum (1,100 gsf) - 125
PARKING PROVIDED:
84 Total
80 - Standard
4 - ADA



LEGEND

- NEW BUILDING
- NEW CONCRETE SIDEWALK/FLATWORK, SEE DETAIL 5/C511
- NEW CONCRETE PAVEMENT, SEE DETAIL 2/C510
- NEW LIGHT DUTY ASPHALT PAVEMENT, SEE DETAIL 1/C510
- NEW HEAVY DUTY ASPHALT PAVEMENT, SEE DETAIL 1/C510
- NEW ASPHALT PAVEMENT PATCH FOR UTILITY WORK, SEE DETAIL 1/C523
- NEW SIDEWALK DRAIN, SEE SHEET C512

KEYNOTES

- NEW CONCRETE CURB, SEE DETAIL 4/C510
- NEW CONCRETE FLUSH CURB, SEE DETAIL 5/C510
- NEW CONCRETE SAWTOOTH CURB, SEE DETAIL 9/C510
- NEW ADA/TAS RAMP, SEE ENLARGEMENTS
- NEW CONCRETE SIDEWALK/FLATWORK, SEE DETAIL 5/C511
- NEW CONCRETE PAVEMENT, SEE DETAIL 2/C510
- NEW LIGHT DUTY ASPHALT PAVEMENT, SEE DETAIL 1/C510
- NEW HEAVY DUTY ASPHALT PAVEMENT, SEE DETAIL 1/C510
- NEW PARKING STRIPE, SEE DETAIL 3/C512
- NEW ADA PARKING, SEE DETAIL 1/C513
- NEW SIDEWALK DRAIN, SEE DETAIL 4/C512
- NEW SIDEWALK DRAIN, SEE DETAIL 1/C515
- NOT USED
- NEW DUMPSTER PAD W/ ENCLOSURE, REF. ARCHITECTURAL & STRUCTURAL
- NEW UTILITY FLATWORK, SEE SHEET C523
- NEW UTILITY FLATWORK, SEE SHEET C523
- NEW SEWER CLEANOUT, SEE SHEET C521
- NEW WATER METER BOX, SEE SHEET C520
- NEW WATER SHUT-OFF VALVE, SEE SHEET C520
- NEW ASPHALT PAVEMENT PATCH FOR UTILITY WORK, SEE DETAIL 1/C523
- NEW STOP SIGN, SEE DETAIL 2/C514
- NEW CONCRETE DRIVEWAY, SEE DETAIL 1/C514
- NEW CONCRETE TRANSFORMER PAD, REF. ELECTRICAL
- NEW CONCRETE TAP BOX PAD, REF. ELECTRICAL
- NEW ROCK RIP RAP APRON, SEE DETAIL 3/C523
- NEW CONCRETE STORM DRAIN HEADWALL, SEE DETAIL 2/C512
- NEW SIDEWALK DRAIN DISCHARGE APRON, SEE DETAIL 5/C512
- NEW SIDEWALK DRAIN INLET APRON
- NEW SIDEWALK DRAIN DISCHARGE APRON
- NEW FIRE LANE SIGN, SEE SHEET C140
- NEW EXTENDED SIDEWALK DRAIN CONCRETE FLUME
- NEW BIKE RACK, REF. ARCHITECTURAL
- NEW DECORATIVE BOLLARD, REF. ARCHITECTURAL
- NEW STORM DRAIN CLEANOUT
- NEW STORM DRAIN BOX



KAT TEXAS
334 N. New Braunfels
San Antonio, Texas 78202
F. 210.202.2195
www.katdex.com

ROBERT L. M. HILLIARD CLINIC
601 RUNNELS AVENUE
SAN ANTONIO, TEXAS 78208

SHEET TITLE	
GMP #1 - SITE / CIVIL	
SHEET TBL	
NO. 1	NO. 2
NO. 3	NO. 4
NO. 5	NO. 6
NO. 7	NO. 8
NO. 9	NO. 10
NO. 11	NO. 12
NO. 13	NO. 14
NO. 15	NO. 16
NO. 17	NO. 18
NO. 19	NO. 20
NO. 21	NO. 22
NO. 23	NO. 24
NO. 25	NO. 26
NO. 27	NO. 28
NO. 29	NO. 30
NO. 31	NO. 32
NO. 33	NO. 34
NO. 35	NO. 36
NO. 37	NO. 38
NO. 39	NO. 40
NO. 41	NO. 42
NO. 43	NO. 44
NO. 45	NO. 46
NO. 47	NO. 48
NO. 49	NO. 50
NO. 51	NO. 52
NO. 53	NO. 54
NO. 55	NO. 56
NO. 57	NO. 58
NO. 59	NO. 60
NO. 61	NO. 62
NO. 63	NO. 64
NO. 65	NO. 66
NO. 67	NO. 68
NO. 69	NO. 70
NO. 71	NO. 72
NO. 73	NO. 74
NO. 75	NO. 76
NO. 77	NO. 78
NO. 79	NO. 80
NO. 81	NO. 82
NO. 83	NO. 84
NO. 85	NO. 86
NO. 87	NO. 88
NO. 89	NO. 90
NO. 91	NO. 92
NO. 93	NO. 94
NO. 95	NO. 96
NO. 97	NO. 98
NO. 99	NO. 100

PROJECT NO.
10-16340
TOTAL SHEET 100 OF 100

ISSUE DATE
11/11/2016
C130
SHEET NO.

INTELLIGENT ENGINEERING
10000 N. LOOP WEST, SUITE 200
DALLAS, TEXAS 75243
TEL: 214.635.1000
WWW.INTELLIGENTENGINEERING.COM



ROBERT L. M. HILLIARD CLINIC
6501 RUNNELS AVENUE
SAN ANTONIO, TEXAS 78208

SHEET TITLE
DIMENSIONAL CONTROL PLAN

GMP #1 - SITE / CIVIL

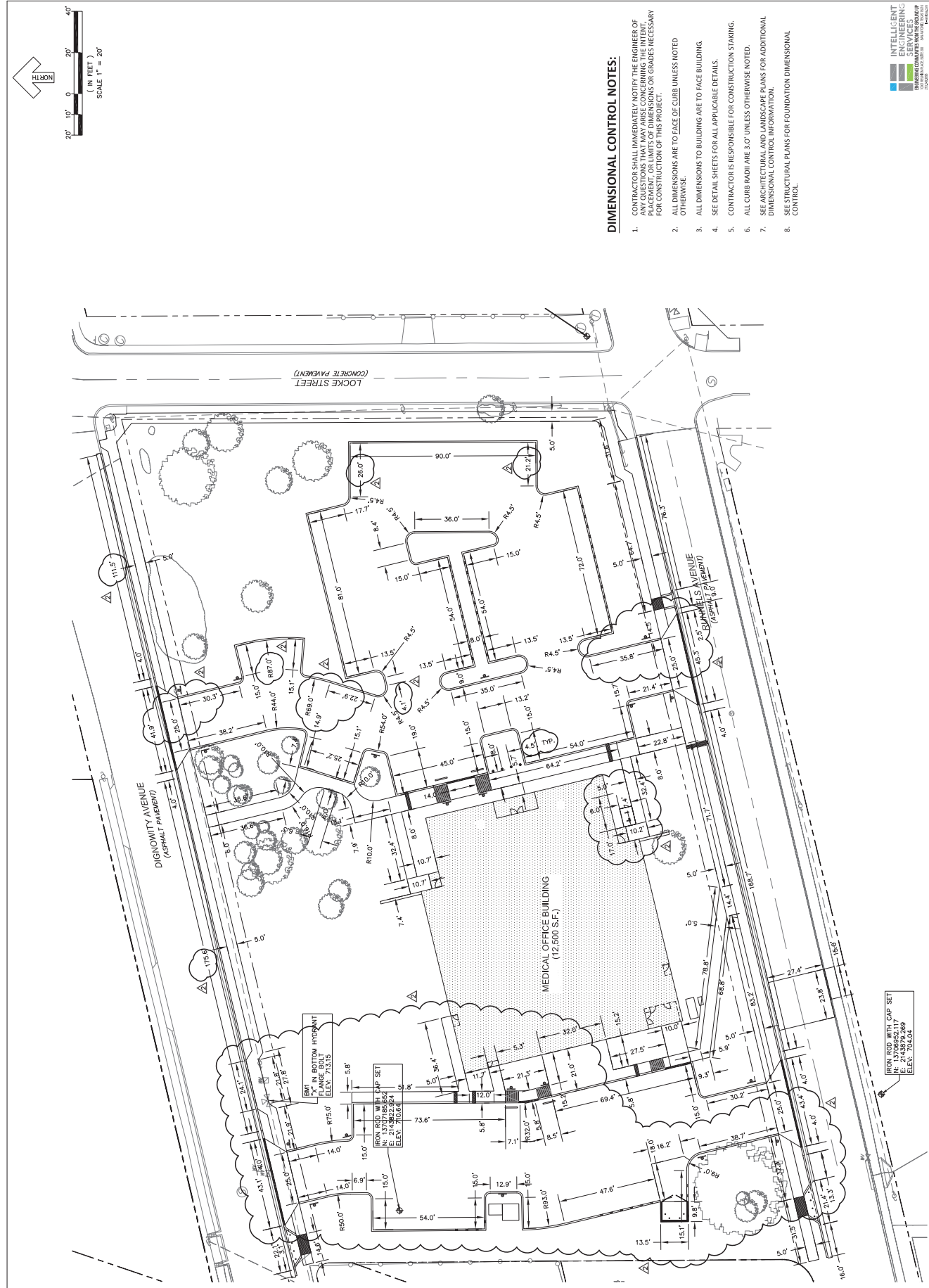
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K&J PROJECT NO. 10-16040	TOTAL SHEET SIZE IS 944 - 04
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ISSUE DATE
11/11/2016

GET READY TO TEACH

C131



IRON ROD WITH CAP SET
N: 13706952.117
E: 2143879.269
FLV: 704.04

**INTELLIGENT
ENGINEERING
SERVICES**
ENGINEERING COMMUNITIES FROM THE GROUP UP
3000 RIVER PLAZA, SUITE 1000 SAN ANTONIO, TEXAS 78248
210.242.8000 www.iesinc.com



HYDRAULIC LENGTH & Tc CALCULATIONS

- SEGMENT 1: OVERLAND FLOW
65-LF AT 0.65% GRASS
Tc=10.7 MIN
- SEGMENT 2: OVERLAND FLOW
83-LF AT 0.85% PAVED
Tc=5.0 MIN
- SEGMENT 3: SHALLOW CONCENTRATED FLOW
354-LF AT 0.5% PAVED
Tc=4.2 MIN
- SEGMENT 4: CHANNEL FLOW
263-LF AT 6 FT/SEC; GRASS
Tc=0.7 MIN
- SEGMENT 5: CHANNEL FLOW
49-LF AT 6 FT/SEC; PAVED
Tc=0.1 MIN
- SEGMENT 6: CHANNEL FLOW
595-LF AT 6 FT/SEC; GRASS
Tc=1.7 MIN
- SEGMENT 7: CHANNEL FLOW
241-LF AT 6 FT/SEC; GRASS
Tc=0.7 MIN
- SEGMENT 8: CHANNEL FLOW
1115-LF AT 6 FT/SEC; GRASS
Tc=3.1 MIN
- COMBINED TOTAL Tc=26.2 MIN

ULTIMATE DEVELOPED CONDITIONS

NOTE: BASED ON ZONING ONLY

INCREASED IMPERVIOUS COVER

1.25-AC

2000-ft DOWNSTREAM											
DA	AREA (AC)	Perv (AC)	Imperv (AC)	C	T _c (MIN)	I ₅	I ₂₅	I ₁₀₀	Q ₅	Q ₂₅	Q ₁₀₀
Existing	56.05	37.10	18.95	0.55	26	4.098	5.390	6.756	126.99	167.02	209.35
Proposed	56.05	35.85	20.20	0.57	26	4.098	5.390	6.756	130.06	171.07	214.42
Ultimate	56.05	15.14	40.91	0.79	26	4.098	5.390	6.756	180.98	238.04	298.37



**INTELLIGENT
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1901 BELMONT PLACE, SUITE 200 SAN ANTONIO, TEXAS 78216
210.349.9988
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TDR PERM F-42

PROJECTRobert L.M. Hilliard Clinic

CLIENTKAI Texas

REV.

DATE12.20.2016

SHEET