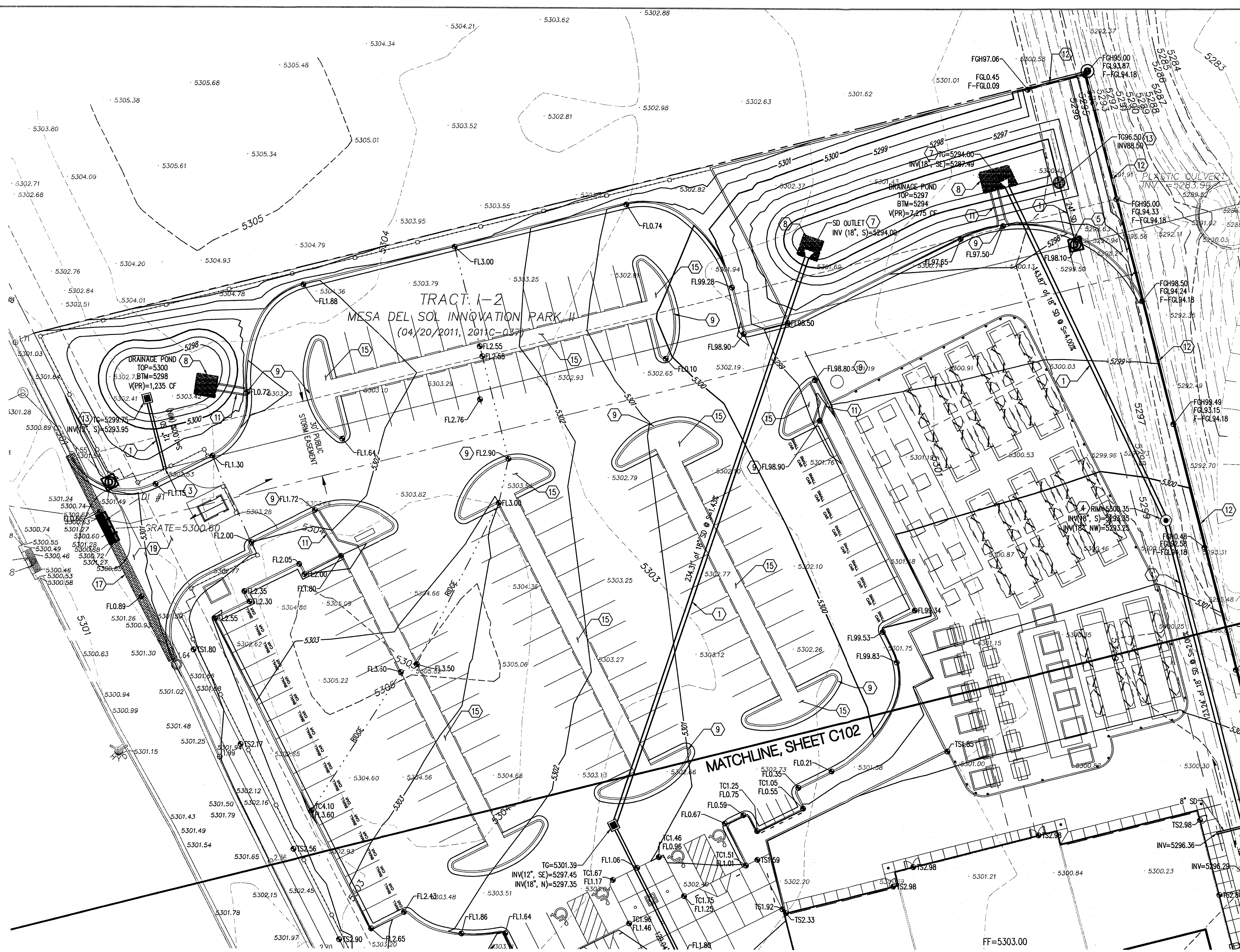
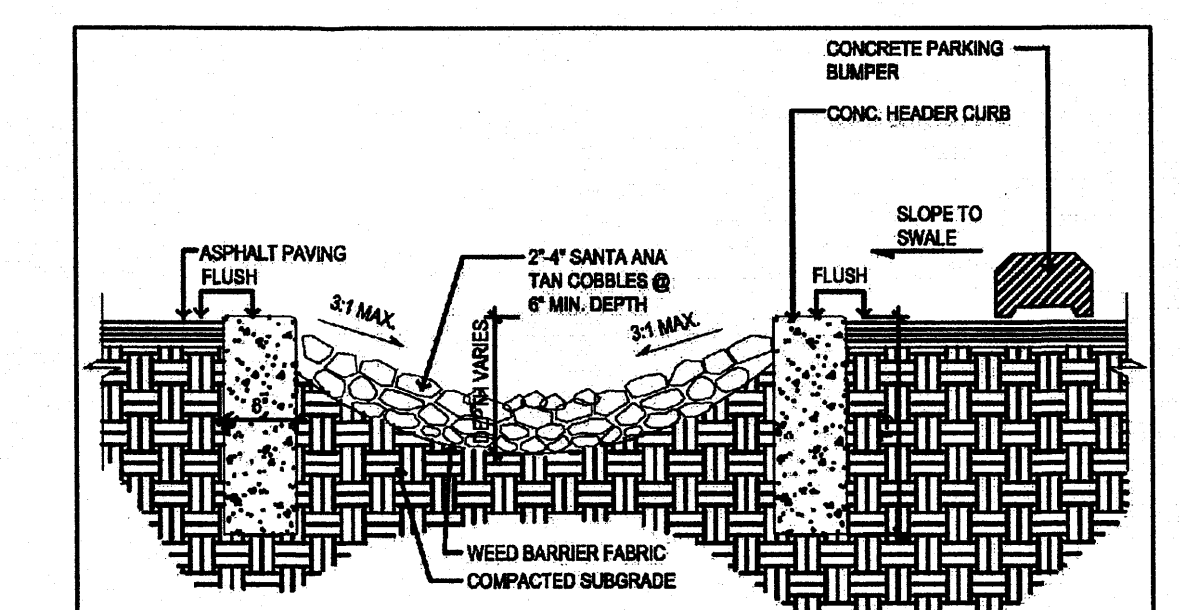




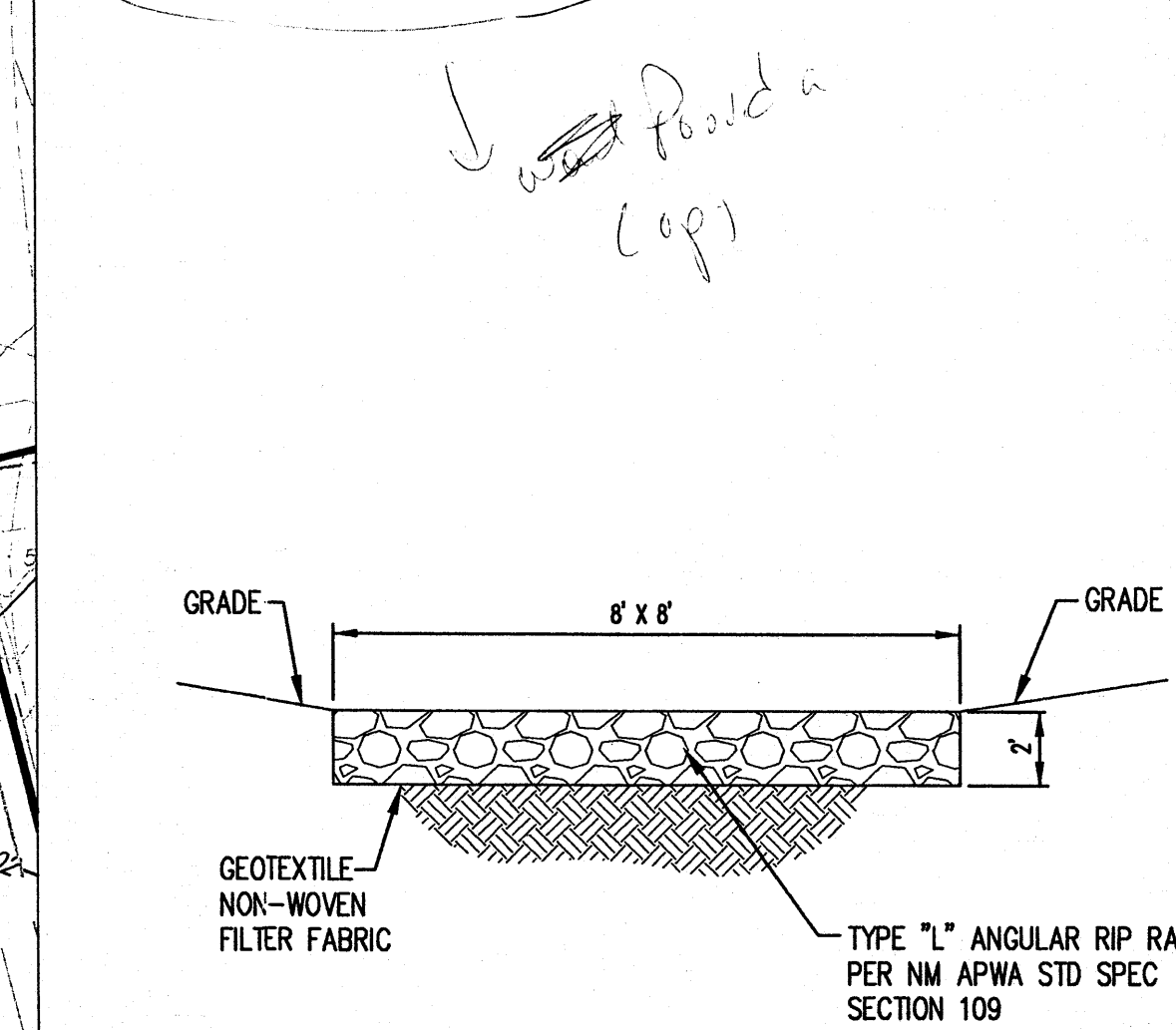
A1 GRADING PLAN
1" = 20'



B2 BIO-SWALE SECTION
NOT TO SCALE

GRADING KEYED NOTES

1. INSTALL HDPE (N12 WT. OR APPROVED EQUAL) STORM DRAIN PIPE, SIZE PER PLANS.
2. INSTALL 24" STORM INLET STRUCTURE (NYLOPLAST OR APPROVED EQUAL) W/ DOMED GRATE.
3. INSTALL PRE-FABRICATED STORM DRAIN FITTING, SEE PLANS FOR SIZE.
4. INSTALL 4" DIA STORM DRAIN MANHOLE WITH PER COA STD DWG 2101.
5. CONNECT TO EXISTING 24" STORM DRAIN STUB OUT.
6. DAYLIGHT STORM DRAIN PIPE THROUGH RETAINING WALL, COORDINATE WITH STRUCTURAL.
7. INSTALL CMP END SECTION (CONTECH OR APPROVED EQUAL), SEE PLAN FOR SIZE, W/ 2' CUT OFF WALL PER DETAIL.
8. INSTALL RIP RAP BLANKET PER DETAIL B1, SHEET C103.
9. INSTALL 24" CURB OPENING PER DETAIL B1, SHEET C101.
10. INSTALL 24" SIDEWALK CULVERT PER COA STD DWG 2236.
11. INSTALL 2' CONCRETE RUNDOWN PER DETAIL B2, SHEET C101.
12. INSTALL RETAINING WALL; SEE STRUCTURAL FOR DETAILS.
13. INSTALL STORM DRAIN INLET TYPE 'D' PER COA STD DWG 2206; OR NYLOPLAST ROAD & HIGHWAY INLET W/ STANDARD GRATE (H-25 LOADING).
14. INSTALL 24" STORM DRAIN INLET STRUCTURE (NYLOPLAST OR APPROVED EQUAL) WITH PEDESTRIAN RATED ADA GRATE.
15. INSTALL WATER HARVESTING BIO SWALE. SEE LANDSCAPE PLAN FOR PLANTING AND EROSION CONTROL DETAILS.
16. INSTALL ROOF DRAIN TO WITH 5' OF BUILDING. SEE PLUMBING PLAN FOR CONTINUATION.
17. SAWCUT, REMOVE & DISPOSE OF EXISTING ASPHALT PAVEMENT & EXISTING CURB & GUTTER. SAWCUT LINE SHALL BE ONE FOOT (1') FROM EXISTING AND/OR PROPOSED LIP OF GUTTER.
18. INSTALL DRIVE ENTRANCE PER COA STD DWG 2426.
19. SEE DRC PLANS FOR DRIVE ENTRANCE DETAILS.



B1 TYPICAL RIP-RAP BLANKET
NOT TO SCALE

NOTE: FINISHED FLOOR ELEVATIONS (FF) SHOWN MAY NOT BE FLOOR SLAB. PLEASE SEE ARCHITECTURAL PLANS FOR DETAILS.

GRADING LEGEND

---	PROPERTY LINE	---	PROPOSED CURB & GUTTER
---	PROJECT LIMITS OF GRADING	---	DIRECTION OF FLOW
---	EXISTING INDEX CONTOUR	---	WATER BLOCK/GRADE BREAK
---	EXISTING INTERMEDIATE CONTOUR	---	PROPOSED STORM DRAIN LINE
---	EXISTING GROUND SPOT ELEVATION	---	PROPOSED STORM DRAIN MANHOLE
---	PROPOSED INDEX CONTOUR	---	PROPOSED STORM DRAIN INLETS
---	PROPOSED INTERMEDIATE CONTOUR	---	PROPOSED RETAINING WALL
---	PROPOSED FINISHED GRADE SPOT ELEVATION	---	
---	TO=TOP OF CURB	---	
---	FL=FLOW LINE	---	
---	TS=TOP OF SIDEWALK	---	
---	FGH=FINISH GROUND HIGH	---	
---	FGL=FINISH GROUND LOW	---	
---	F-FUTURE FINISHED GROUND LOW	---	

CLAUDIO VIGIL ARCHITECTS

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Albuquerque, New Mexico
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CONSULTANTS

Bohannon

Huston

PROFESSIONAL SEAL

NOVA CORPORATION DC
OFFICE BUILDING
5550 TURING DRIVE SE
ALBUQUERQUE, NEW MEXICO

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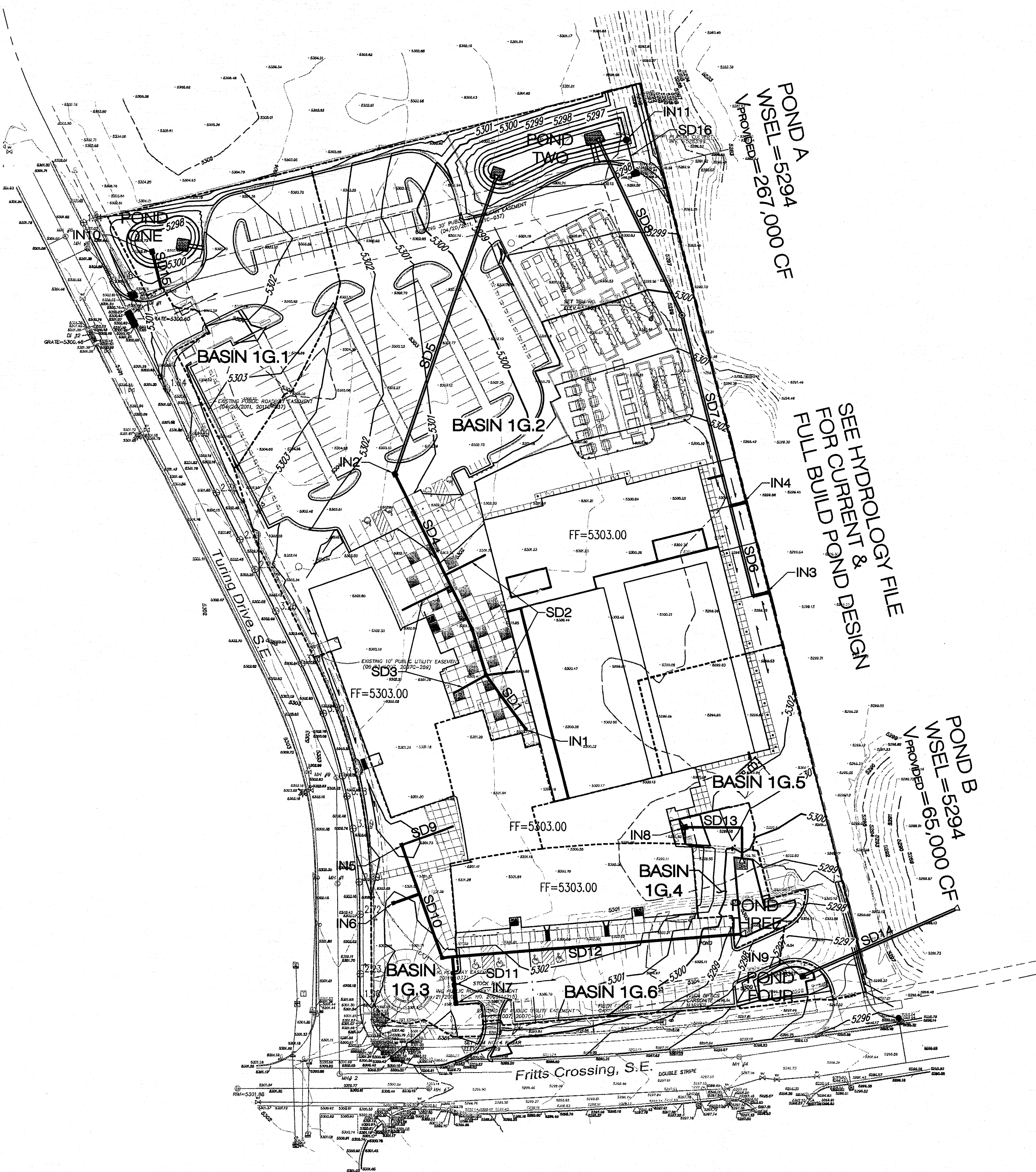
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DATE: 9/27/2012

SHEET TITLE
GRADING PLAN

SHEET NUMBER
C103



A1

1" = 50'

DRAINAGE MANAGEMENT PLAN

04080

40'

80'

N

6 on the MDP

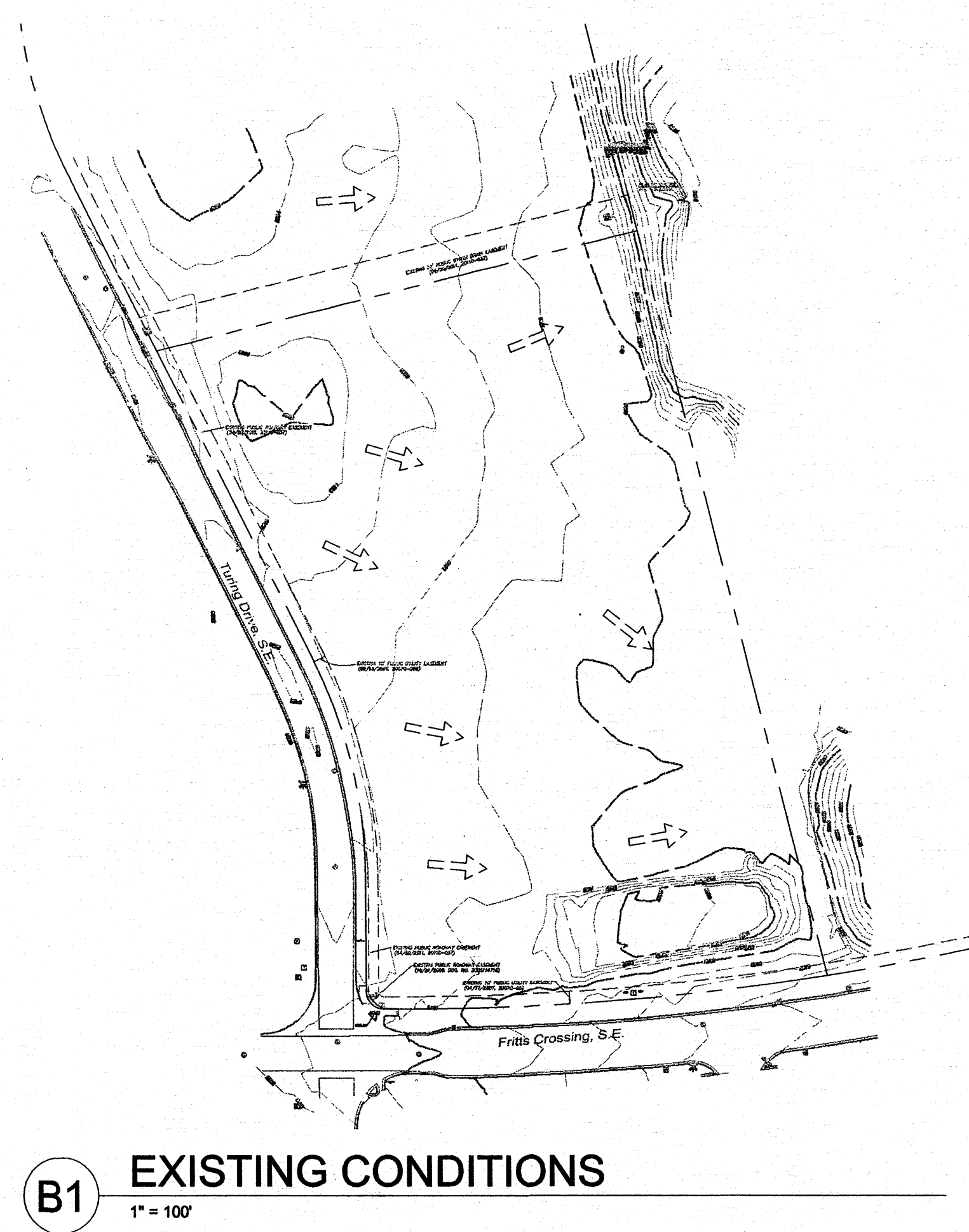
NOVA CORPORATE DC OFFICE BUILDING - MESA DEL SOL

Proposed Developed Conditions Basin Data Table

This table is based on the DPM Section 22.2, Zone: 2

Basin ID	Area (SQ. FT)	Area (AC.)	Land Treatment Percentages				Q(100yr) (cfs/ac.)	Q(100yr) (CFS)	V(100yr) (inches)	V _(100yr-6hr) (CF)	V _(100yr-24hr) (CF)	Q(2yr) (cfs/ac.)	Q(2yr) (CFS)	WT E (inches)	V _(2yr-6hr) (CF)	V _(2yr-24hr) (CF)	V _{(LEED)*} (CF)
CURRENT ONSITE BASINS																	
1G.1	20978	0.48	0.0%	0.0%	10.0%	90.0%	4.54	2.19	2.02	3533	4162	1.73	0.84	0.73	1269	1542	874
1G.2	139906	3.21	0.0%	0.0%	10.0%	90.0%	4.54	14.59	2.02	23562	27760	1.73	5.57	0.73	8464	10286	5829
1G.3	18799	0.43	0.0%	0.0%	10.0%	90.0%	4.54	1.96	2.02	3166	3730	1.73	0.75	0.73	1137	1382	783
1G.4	5353	0.12	0.0%	0.0%	10.0%	90.0%	4.54	0.56	2.02	901	1062	1.73	0.21	0.73	324	394	223
1G.5	29760	0.68	0.0%	0.0%	10.0%	90.0%	4.54	3.10	2.02	5012	5905	1.73	1.18	0.73	1800	2188	1240
1G.6	27522	0.63	0.0%	0.0%	10.0%	90.0%	4.54	2.87	2.02	4635	5461	1.73	1.10	0.73	1665	2023	1147
TOTAL	242318	5.56	-	-	-	-	-	25.28	-	40810	48080	-	9.65	-	14660	17815	10097

*LEED Volume equates to 0.5" of rainfall over entire basin area per LEED-NC reference guide V2.2.



Pond Requirements

Pond ID	Contributing Basin(s)	Top EL	Bottom EL	Volume Provided (CF)	LEED Treatment Volume (CF)
ONE	1G.1	5299.75	5298	1970	1542
TWO	1G.2	5296.5	5294	6060	5829
THREE	1G.3, 1G.4, 1G.5	5298	5296	2360	2246
FOUR	1G.6	5295.75	5294	1250	1147

INLET TABLE

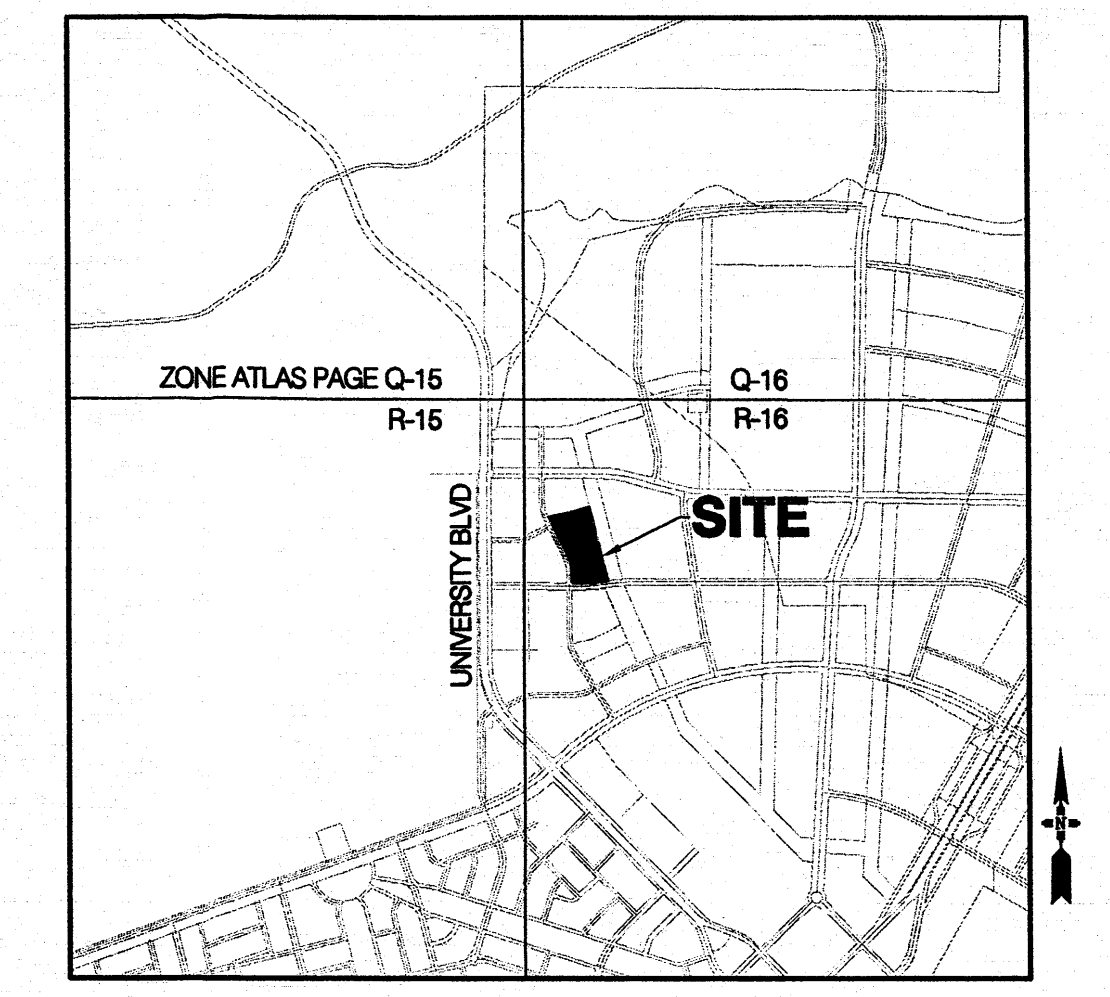
Inlet #	Inlet Type	Basin	Actual Flow (cfs)	Avail Head (ft)	Capacity (cfs)
IN1	1-24" NYLOPLAST (PED GRT)*	1G.2.1	0.54	0.10	0.60
IN2	1-SGL COA TYPE D	JUNCTION	0.00	0.05	0.25
IN3	1-SGL COA TYPE D*	1G.2.2	0.87	0.50	7.96
IN4	1-SGL COA TYPE D*	1G.2.3	1.10	0.50	7.96
IN5	1-SGL COA TYPE D*	1G.3.1	0.65	0.50	7.96
IN6	1-SGL COA TYPE D*	1G.3.2	0.65	0.50	7.96
IN7	1-SGL COA TYPE D*	1G.6.1	0.40	0.50	7.96
IN8	1-SGL COA TYPE D*	1G.4.1	0.16	0.55	9.18
IN9	1-SGL COA TYPE D*	POND OUT	0.00	0.50	7.96
IN10	1-SGL COA TYPE D*	POND OUT	0.00	0.40	5.70
IN11	1-DLB COA TYPE D*	POND OUT	0.00	0.50	14.92

*INLET IN A SUMP CONDITION, CAPACITY BASED ON LESSER OF ORIFACE AND WIER CALCULATIONS

STORM DRAIN PIPE TABLE

PIPE #	INLET/SD/BASIN	Size in.	Slope	Capacity* cfs	ACTUAL FLOW cfs
SD1	IN1	12	1.00%	3.56	0.54
SD2	1G.2.4 (2 PIPES)	6	2.50%	0.89	1.62
SD3	1G.2.5 (2 PIPES)	6	2.50%	0.89	1.06
SD4	SD1, SD2, SD3	12	1.00%	3.56	3.23
SD5	SD4	18	1.43%	12.56	3.23
SD6	IN3	18	1.00%	10.50	0.87
SD7	SD6, IN4	18	2.00%	14.86	1.97
SD8	SD7	18	4.00%	21.01	1.97
SD9	1G.3.3	6	2.00%	0.79	0.65
SD10	SD9, IN5, IN6	12	0.65%	2.87	1.96
SD11	IN7	12	1.50%	4.36	0.40
SD12	SD10, SD11	12	0.65%	2.87	2.36
SD13	IN8	8	1.00%	1.21	0.16
SD14	IN9	18	5.50%	24.63	3.70
SD15	IN10	12	3.00%	6.17	5.70
SD16	IN11	24	2.00%	31.99	7.96

*Capacity Based on Manning's Eq w/ N=0.013



DRAINAGE MANAGEMENT PLAN

I. INTRODUCTION
The purpose of this submittal is to present a grading and drainage plan for the proposed NOVA Corporation office building at Mesa del Sol. The site is located northeast of the existing Advent Solar site. There is vacant land to the north, a public road to the west and south (Turing Dr. & Fritts Crossing, respectively) and a Liner Drainage Park tract to the east (Tract OS-3, Mesa del Sol Innovation Park). The project will include a data center office building, parking and landscaped areas. This submittal is in support of Building Permit approval.

III. EXISTING HYDROLOGIC CONDITIONS
The site is approximately 5.6 acres and is currently undeveloped. The land slopes approximately 0.5% to 1.0% from the west to the northeast and southeast toward the existing temporary retention ponds constructed with the Roadway Rough Grading Project and COA Project 775476.

IV. PROPOSED HYDROLOGIC CONDITIONS
The drainage analysis of this site follows the guidelines and framework of the Drainage Area One (DA1) Drainage Management Plan (DMP) (COA Hydro file R16/DA1) in which this site is Basin 1G. As noted in the DA1-DMP, this basin drains directly to the Regional Retention Pond located to the east. The site was sub-divided into multiple basins which drain to the pond via surface flow and underground storm drainage pipe. The entire site was analyzed under developed conditions (90% land treatment D and 10% land treatment C - see Proposed Developed Conditions Basin Data Table).

Water harvesting areas (Ponds One-Four) will be present on site, but any and all retention volumes were not included in the hydrologic analysis for the developed discharge to the regional retention pond. The ponds are designed to retain the one-half inch storm LEED volume and discharge the storm event volume above the LEED volume to the regional retention pond.

Basin 1G.1 will surface drain through the parking lots and culverts to Pond One located at the northwest corner of the site. Basin 1G.2 will surface flow across the parking lot through parking island bio-swales and discharge into Pond Two at the northeast corner of the site. Both ponds discharge directly into the existing storm drain which directly discharges into the regional retention pond.

Basin 1G.3, 1G.4, 1G.5 will flow to Pond Three via an onsite storm drain system and surface flow. Once the provided pond volume is reached, the pond will surface overflow to Pond Four. Basin 1G.6 will surface flow to Pond Four and discharge directly to the regional retention pond.

Portions of the regional retention pond have been constructed with COA project 775476. It will accept the developed flows from this site as well as minor undeveloped drainage from the surrounding offsite basins. Pond A has a provided volume of 267,000 CF and the site discharges only approximately 32,000 CF to this pond. Pond B as a provided volume of 65,000 CF and the site discharges only 16,200 CF to discharge pond.

Offsite Drainage
Current drainage from the north will be diverted along the northern property line to the regional retention pond and existing ponds constructed with the Roadway Rough Grading Project. Drainage to the west of Turing Dr and the majority of Turing Dr will be accepted into the existing storm drain system as constructed with COA project 775476 and continue to outfall to the regional retention pond per DA1 DMP requirements. A remaining portion of Turing Dr and the developed portion of Fritts Crossing outfall into temporary Pond B. Upon development of these sites, drainage will conform to the requirements set forth in DA1 DMP.

Floodplain
In accordance with FEMA Community Map Panel #35001C0555 D, the site is not located within a floodplain.

V. CONCLUSION
The total flow discharged from the site is approximately 25.3cfs which coincides with the DA1-DMP. These flows were computed in accordance with section 22.2 of the Development Process Manual. This drainage management plan is capable of safely passing the 100 year storm event and meets city and Level B requirements. With this submittal we are seeking Building Permit approval.

CLAUDIO VIGIL ARCHITECTS

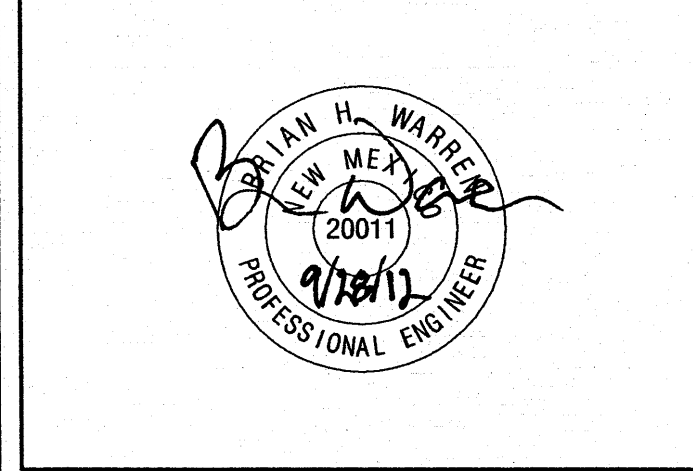
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CONSULTANTS

Bohannon & Huston

PROFESSIONAL SEAL



NOVA CORPORATION DC OFFICE BUILDING
5550 TURING DRIVE SE
ALBUQUERQUE, NEW MEXICO

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PROJECT NUMBER: 10145
DRAWING FILE: 2013009SDMP01.dwg
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DATE: 9/27/2012

SHEET TITLE
DRAINAGE MANAGEMENT PLAN
SHEET NUMBER
C001

GENERAL NOTES

1. ALL WORK DETAILED ON THESE PLANS AND PERFORMED UNDER THIS CONTRACT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND THE PROJECT GEOTECHNICAL REPORT. WHERE APPLICABLE, CITY OF ALBUQUERQUE PUBLIC WORKS STANDARDS AND SPECIFICATIONS SHALL APPLY.
2. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS, INCLUDING EPA REQUIREMENTS WITH RESPECT TO STORM WATER DISCHARGE.
3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS INCLUDING ALL UNDERGROUND UTILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION OBSERVER OR ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
4. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT LINE LOCATING SERVICE FOR LOCATION OF EXISTING UTILITIES.
5. ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND OTHER UTILITY LINES, CABLES, AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.
6. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.
7. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
8. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.
9. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (I.E. BARRICADING, TOPSOIL DISTURBANCE, EXCAVATION PERMITS, EPA STORM WATER PERMITS, ETC.).
10. ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ALL PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.
11. THE CONTRACTOR SHALL PREPARE A CONSTRUCTION TRAFFIC CONTROL AND SIGNING PLAN AND OBTAIN APPROVAL OF SUCH PLAN FROM THE CITY OF ALBUQUERQUE, TRAFFIC ENGINEERING DEPARTMENT, PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON OR ADJACENT TO EXISTING STREETS.
12. ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), US DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
13. THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE END AND BEGINNING OF EACH DAY.
14. THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO CONFORM WITH EPA REQUIREMENTS, INCLUDING COMPLIANCE WITH NPDES PHASE 2 REQUIREMENTS.

GRADING SHEET NOTES

1. EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.
2. THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST, AND INCLUDED IN THE GMP.
3. ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION, AND PAVEMENT INSTALLATION, AS SHOWN ON THIS PLAN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "GEOTECHNICAL INVESTIGATION," AS PROVIDED BY THE ARCHITECT OR OWNER. ALL OTHER WORK SHALL, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS (1st PRIORITY); PROJECT SPECIFICATIONS (2nd PRIORITY); AND THE MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) STANDARD SPECIFICATIONS (3rd PRIORITY).
4. EARTH SLOPES SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE.
5. IT IS THE INTENT OF THESE PLANS THAT THIS CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE PROPERTY BOUNDARIES EXCEPT AS REQUIRED BY THIS PLAN.
6. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHT-OF-WAY. THIS SHOULD BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS OR SILT FENCE AT THE PROPERTY LINES AND WETTING THE SOIL TO PROTECT IT FROM WIND EROSION.
7. A DISPOSAL SITE FOR ANY & ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL AND/OR A BORROW SITE CONTAINING ACCEPTABLE FILL MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE INSPECTOR. ALL COSTS INCURRED IN OBTAINING A DISPOSAL OR BORROW SITE AND HAUL TO OR FROM SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
8. PAVING AND ROADWAY GRADES SHALL BE $\pm 0.1'$ FROM PLAN ELEVATIONS. PAD ELEVATION SHALL BE $\pm 0.05'$ FROM BUILDING PLAN ELEVATION.
9. ALL PROPOSED CONTOURS REFLECT TOP OF PAVEMENT ELEVATIONS IN THE PARKING AREA AND MUST BE ADJUSTED FOR MEDIANS AND ISLANDS.
10. VERIFY ALL ELEVATIONS SHOWN ON PLAN FROM BASIS OF ELEVATION CONTROL STATION PRIOR TO BEGINNING CONSTRUCTION.

PROJECT BENCHMARK

A.G.R.S. MONUMENT "2_R15" STANDARD A.G.R.S. BRASS TABLET (FOUND IN PLACE)
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 83)
GROUND MODIFIED COORDINATES:
N=1,455,682.74
E=1,529,561.05
PUBLISHED EL=5305.26 (NAVD 1988)

CONTROL TAKEN FROM "MESA DEL SOL SURVEY CONTROL" DATED SEPTEMBER 04, 2008, BY ROBERT GROMATZKY, NMPIS NO: 16469



**CLAUDIO VIGIL
ARCHITECTS**

1801 Rio Grande Boulevard, N.W.
Albuquerque, New Mexico
Phone: (505) 842-1113
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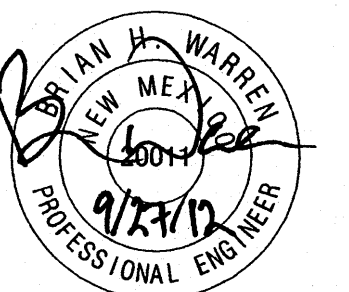
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CONSULTANTS

Bohannon



PROFESSIONAL SEAL



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OFFICE BUILDING
5550 TURING DRIVE SE
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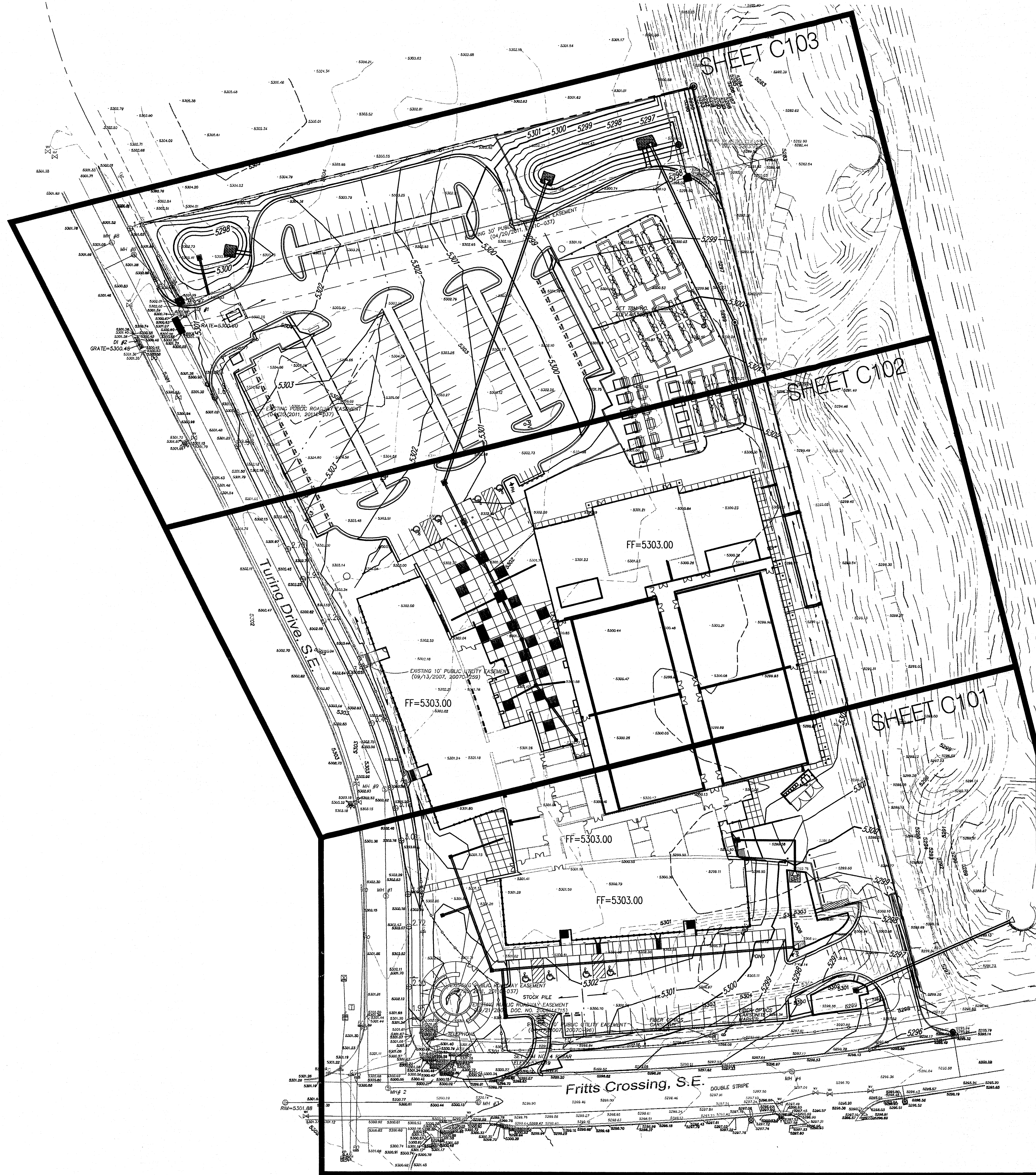
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SHEET TITLE
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GRADING PLAN**

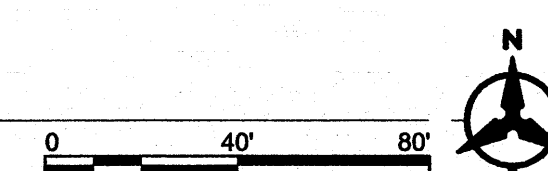
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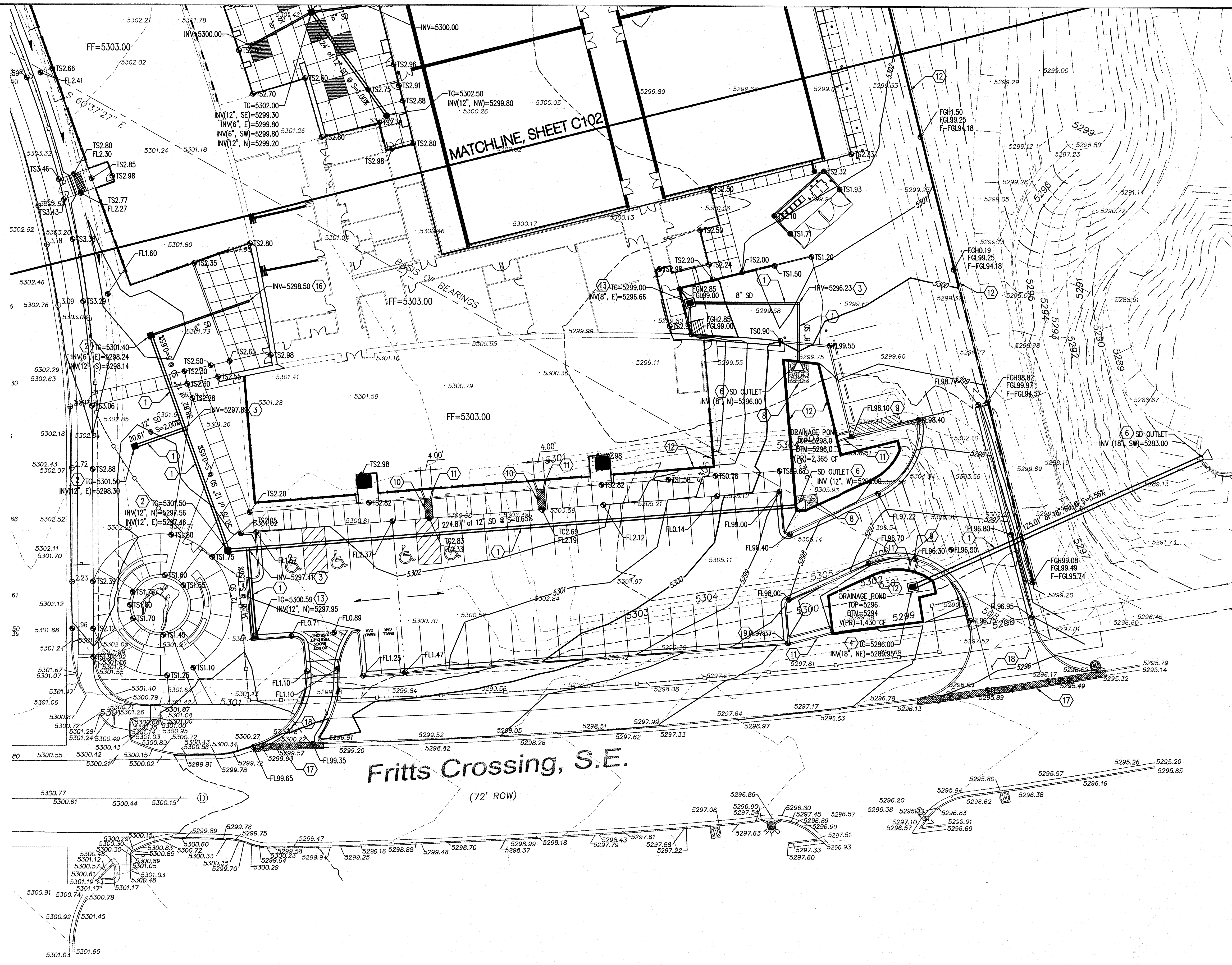


A1

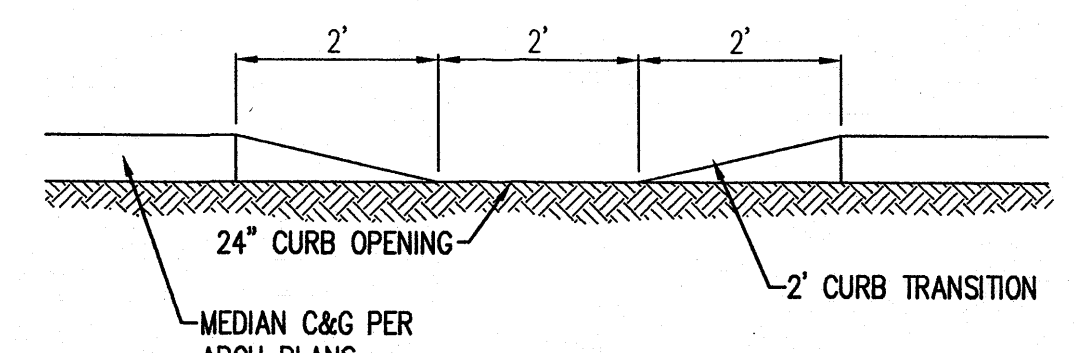
OVERALL GRADING PLAN

1" = 40'

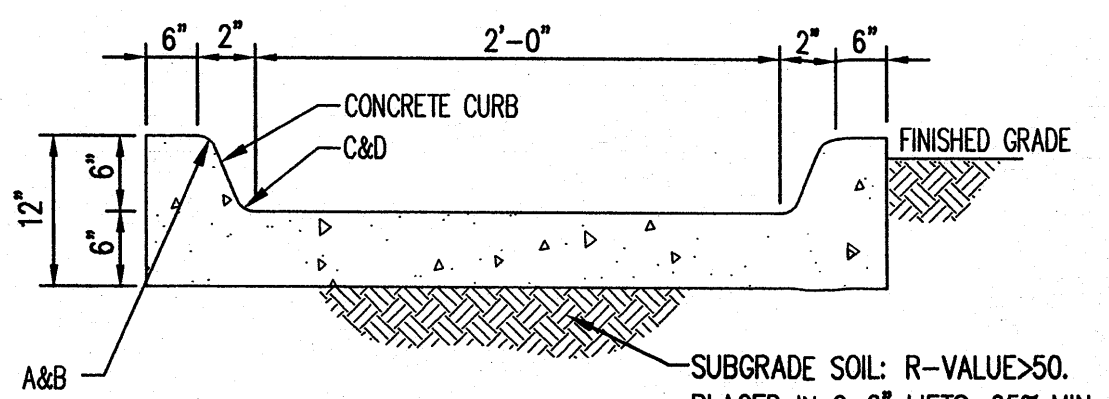




A1 GRADING PLAN
1" = 20'



B1 TYPICAL 24" CURB OPENING
NOT TO SCALE



B2 CONCRETE RUNDOWN
NOT TO SCALE

GRADING KEYED NOTES

1. INSTALL HDPE (N12 WT. OR APPROVED EQUAL) STORM DRAIN PIPE, SIZE PER PLANS.
2. INSTALL 24" STORM INLET STRUCTURE (NYLOPLAST OR APPROVED EQUAL) W/ DOMED GRATE.
3. INSTALL PRE-FABRICATED STORM DRAIN FITTING, SEE PLANS FOR SIZE.
4. INSTALL 4" DIA STORM DRAIN MANHOLE WITH PER COA STD DWG 2101.
5. CONNECT TO EXISTING 24" STORM DRAIN STUB OUT.
6. DAYLIGHT STORM DRAIN PIPE THROUGH RETAINING WALL, COORDINATE WITH STRUCTURAL.
7. INSTALL CMP END SECTION (CONTECH OR APPROVED EQUAL), SEE PLAN FOR SIZE, W/ 2' CUT OFF WALL PER DETAIL.
8. INSTALL RIP RAP BLANKET PER DETAIL B1, SHEET C103.
9. INSTALL 24" CURB OPENING PER DETAIL B1, SHEET C101.
10. INSTALL 24" SIDEWALK CULVERT PER COA STD DWG 2236.
11. INSTALL 2' CONCRETE RUNDOWN PER DETAIL B2, SHEET C101.
12. INSTALL RETAINING WALL; SEE STRUCTURAL FOR DETAILS.
13. INSTALL STORM DRAIN INLET TYPE 'D' PER COA STD DWG 2206; OR NYLOPLAST ROAD & HIGHWAY INLET W/ STANDARD GRATE (H-25 LOADING).
14. INSTALL 24" STORM DRAIN INLET STRUCTURE (NYLOPLAST OR APPROVED EQUAL) WITH PEDESTRIAN RATED ADA GRATE.
15. INSTALL WATER HARVESTING BIO SWALE. SEE LANDSCAPE PLAN FOR PLANTING AND EROSION CONTROL DETAILS.
16. INSTALL ROOF DRAIN TO WITH 5' OF BUILDING. SEE PLUMBING PLAN FOR CONTINUATION.
17. SAWCUT, REMOVE & DISPOSE OF EXISTING ASPHALT PAVEMENT & EXISTING CURB & GUTTER. SAWCUT LINE SHALL BE ONE FOOT (1') FROM EXISTING AND/OR PROPOSED LIP OF GUTTER.
18. INSTALL DRIVE ENTRANCE PER COA STD DWG 2426.

NOTE: FINISHED FLOOR ELEVATIONS (FF) SHOWN MAY NOT BE FLOOR SLAB. PLEASE SEE ARCHITECTURAL PLANS FOR DETAILS.

GRADING LEGEND

---	PROPERTY LINE	---	PROPOSED CURB & GUTTER
---	PROJECT LIMITS OF GRADING	---	DIRECTION OF FLOW
---	EXISTING INDEX CONTOUR	---	WATER BLOCK/GRADE BREAK
---	EXISTING INTERMEDIATE CONTOUR	---	PROPOSED STORM DRAIN LINE
●	EXISTING GROUND SPOT ELEVATION	●	PROPOSED STORM DRAIN MANHOLE
---	PROPOSED INDEX CONTOUR	---	PROPOSED STORM DRAIN INLETS
---	PROPOSED INTERMEDIATE CONTOUR	---	PROPOSED RETAINING WALL
●	PROPOSED FINISHED GRADE SPOT ELEVATION		
---	TC=TOP OF CURB, FL=FLOW LINE, TS=TOP OF SIDEWALK, TG=TOP OF GRATE, FGH=FINISH GROUND HIGH, FGL=FINISH GROUND LOW		



CLAUDIO VIGIL ARCHITECTS

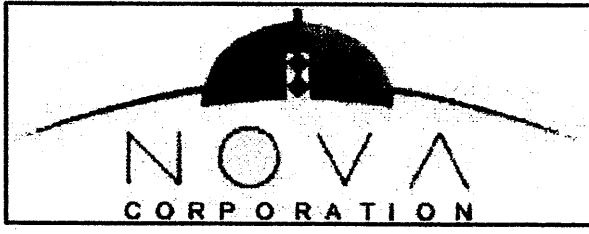
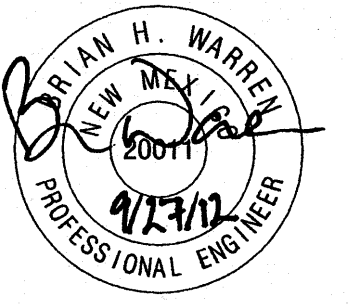
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PROFESSIONAL SEAL



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Any confidential information provided to, or developed by, the Contractor and associates in the performance of the contract utilizing the drawings and specifications of this Data Center project shall be kept confidential and shall not be made available to any individual or organization by the Contractor without the prior written approval of the NOVA Corporation.

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SHEET TITLE
GRADING PLAN

SHEET NUMBER
C101



1. INSTALL HDPE (N12 WT, OR APPROVED EQUAL) STORM DRAIN PIPE, SIZE PER PLANS.
2. INSTALL 24" STORM INLET STRUCTURE (NYLOPLAST OR APPROVED EQUAL) W/ DOMED GRATE.
3. INSTALL PRE-FABRICATED STORM DRAIN FITTING, SEE PLANS FOR SIZE.
4. INSTALL 4' DIA STORM DRAIN MANHOLE WITH PER COA STD DWG 2101.
5. CONNECT TO EXISTING 24" STORM DRAIN STUB OUT.
6. DAYLIGHT STORM DRAIN PIPE THROUGH RETAINING WALL, COORDINATE WITH STRUCTURAL.
7. INSTALL CMP END SECTION (CONTECH OR APPROVED EQUAL), SEE PLAN FOR SIZE, W/ 2' CUT OFF WALL PER DETAIL.
8. INSTALL RIP RAP BLANKET PER DETAIL B1, SHEET C103.
9. INSTALL 24" CURB OPENING PER DETAIL B1, SHEET C101.
10. INSTALL 24" SIDEWALK CULVERT PER COA STD DWG 2238.
11. INSTALL 2' CONCRETE RUNDOWN PER DETAIL B2, SHEET C101.
12. INSTALL RETAINING WALL; SEE STRUCTURAL FOR DETAILS.
13. INSTALL STORM DRAIN INLET TYPE 'D' PER COA STD DWG 2206; OR NYLOPLAST ROAD & HIGHWAY INLET W/ STANDARD GRATE (H-25 LOADING).
14. INSTALL 24" STORM DRAIN INLET STRUCTURE (NYLOPLAST OR APPROVED EQUAL) WITH PEDESTRIAN RATED ADA GRATE.
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18. INSTALL DRIVE ENTRANCE PER COA STD DWG 2426.

GRADING LEGEND

---	PROPERTY LINE	=====	PROPOSED CURB & GUTTER
- - - - -	PROJECT LIMITS OF GRADING	<u>S=2.0%</u>	DIRECTION OF FLOW
---5025---	EXISTING INDEX CONTOUR	→ ←	WATER BLOCK/GRADE BREAK
---5024---	EXISTING INTERMEDIATE CONTOUR	=====	PROPOSED STORM DRAIN LINE
5025.25	EXISTING GROUND SPOT ELEVATION	●	PROPOSED STORM DRAIN MANHOLE
---5025---	PROPOSED INDEX CONTOUR	■	PROPOSED STORM DRAIN INLETS
---5024---	PROPOSED INTERMEDIATE CONTOUR	=====	PROPOSED RETAINING WALL

Confidentiality and Non-Disclosure Agreement

Any confidential information provided to, or developed by, the Contractor and associates in the performance of the contract, including the drawings and specifications of this Date Center project, shall be kept confidential and shall not be made available to any individual or organization by the Contractor without the prior written approval of the NOVA Corporation.

The Contractor(s) agree to protect the confidentiality of any proprietary information, including engineering designs, and not to publish or disclose such information to any third party without the NOVA Corporation's written permission.

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SHEET NUMBER
C102

