

ROADWAY ROUGH GRADING PLAN FOR
MESA DEL SOL
INNOVATION PARK
ALBUQUERQUE, NEW MEXICO

INDEX

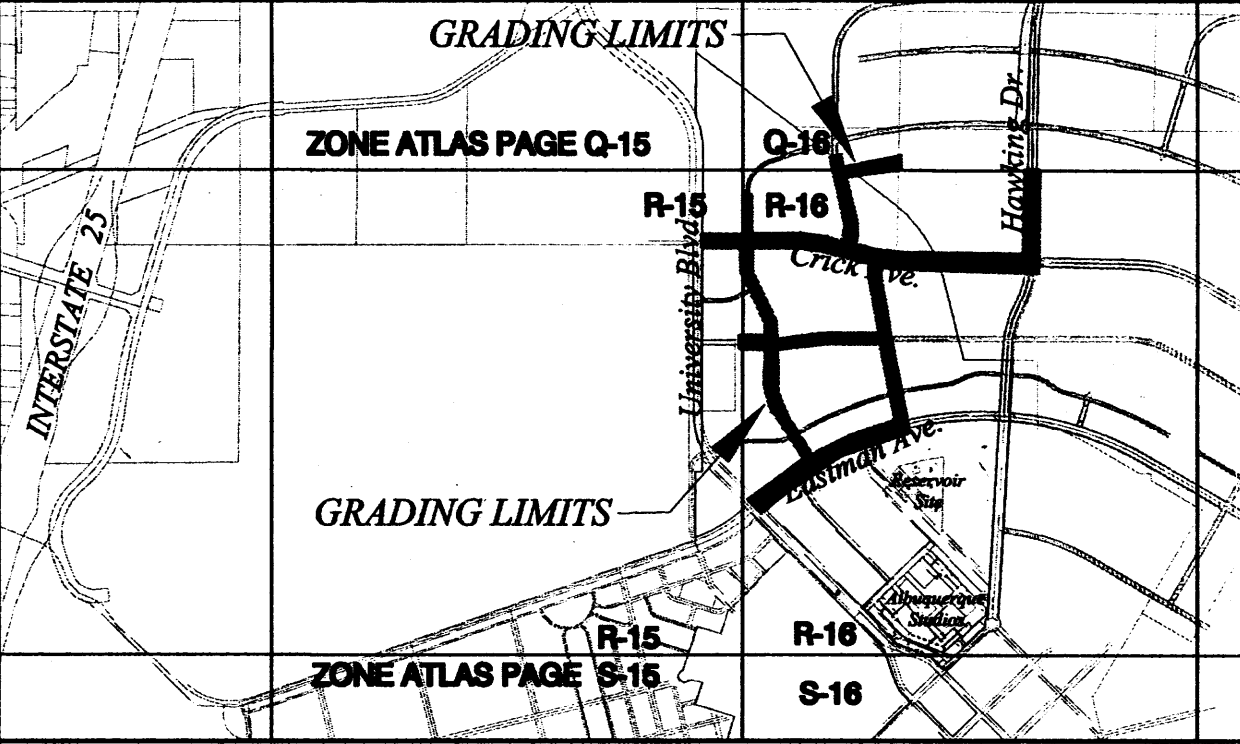
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	PLAT SHEETS
3	OVERALL ROUGH GRADING PLAN
4A - 4J	ROUGH GRADING SHEETS

GRADING NOTES

- EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.
- THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST.
- EARTH SLOPES SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE.
- 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.
- THE CONTRACTOR IS TO 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 NETTING THE SOIL TO PROTECT IT FROM WIND EROSION.
- 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 OBSERVER. 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.
- ALL PROPOSED CONTOURS REFLECT TOP OF PAVEMENT ELEVATIONS WITHIN ROADWAYS. AREAS TO BE GRADED WITHIN ROADWAYS SHALL BE GRADED 8" BELOW TOP OF ASPHALT ELEVATION AS PER SECTION SHOWN HEREIN.

- VERIFY ALL ELEVATIONS SHOWN ON PLAN FROM BASIS OF ELEVATION CONTROL STATION PRIOR TO BEGINNING CONSTRUCTION.
- SITE CONSTRUCTION TO MEET REQUIREMENTS OF SWPPP (STORM WATER POLLUTION PREVENTION PLAN).
- CONTRACTOR IS RESPONSIBLE FOR SWPPP PREPARATION AND IMPLEMENTATION. SWPPP COORDINATION IS UNDER WAY. PLEASE CONTACT GRANT MORRISON AT INSPECTION PLUS: 242-9609.
- ACQUISITION OF CONSTRUCTION WATER FOR DUST CONTROL AND EARTH WORK ACTIVITY IS THE RESPONSIBILITY OF THE CONTRACTOR.
- RE-SEEDING SHALL BE EXCLUDED FROM THIS PROJECT, BUT WILL BE DONE UPON COMPLETION OF THE PUBLIC INFRASTRUCTURE BY OTHERS IN THE FUTURE.
- THE FOLLOWING ROADWAYS SHALL BE GRADED PRIOR TO GRADING THE REMAINDER OF THE PROJECT.
 - SOLAR MESA AVENUE WEST OF TURING DRIVE.
 - TURING DRIVE BETWEEN SOLAR MESA AVENUE AND CRICK AVENUE.
 - CRICK AVENUE EAST OF TURING DRIVE.

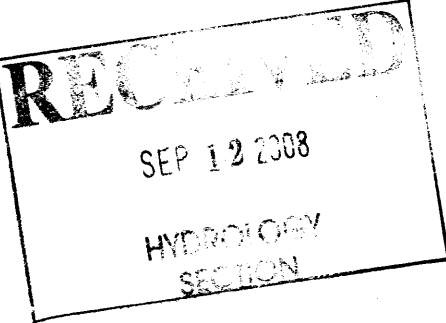
ROUGH GRADING	(±0.5):
APPROVED FOR ROUGH GRADING	DATE



GENERAL NOTES

- 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 SHALL APPLY.
- 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.
- 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.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT LINE LOCATING SERVICE FOR LOCATION OF EXISTING UTILITIES.
- 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.
- 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.
- 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.
- 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.
- THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (I.E., BARRICADES, TOPSOIL DISTURBANCE, EXCAVATION PERMITS, EPA STORM WATER PERMITS, ETC.).
- 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.
- 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.
- 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.
- THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADES AT THE END AND BEGINNING OF EACH DAY.
- THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO CONFORM WITH EPA REQUIREMENTS, INCLUDING COMPLIANCE WITH NPDES PHASE 2 REQUIREMENTS.

Does not
have
Sugar in it



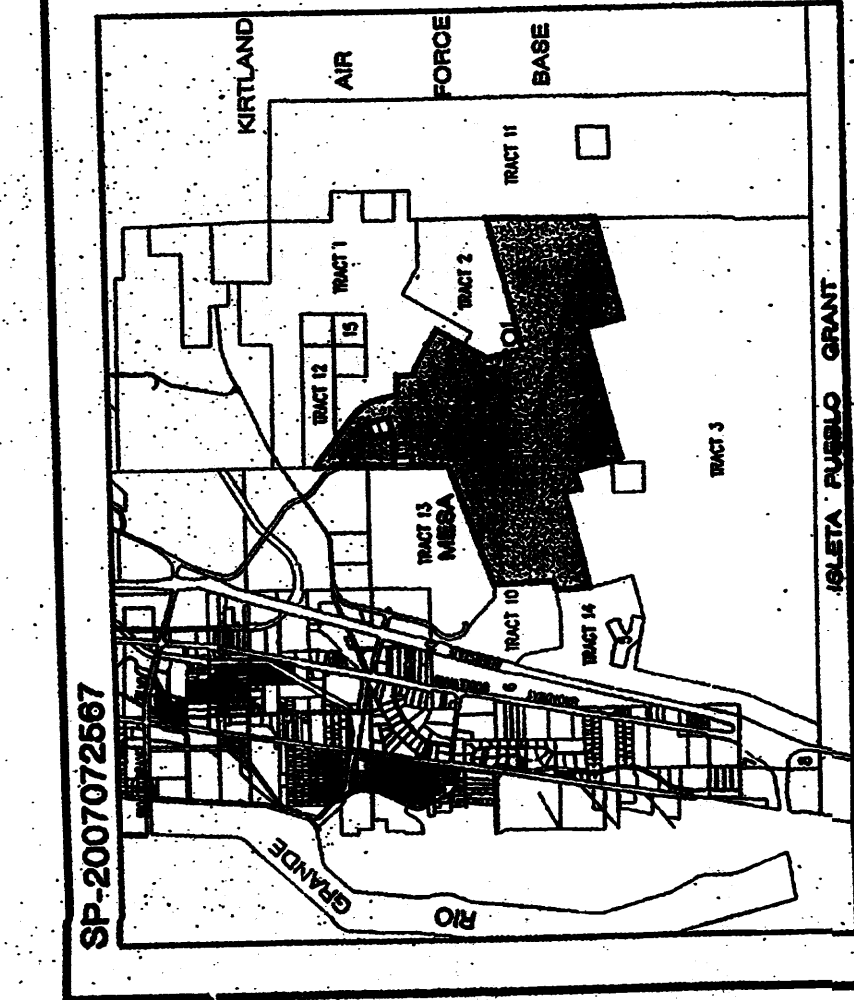
REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
3,4C,4D	DEL ROAD C, REPAIR DETAILS	6/08					
3,4A-4J		4/08					
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE	
		DRC Chairman				*****	
		Transportation				APPROVED FOR CONSTRUCTION	
		Water/Wastewater					
		Hydrology					
		Parks					
		Const. Coord.				City Engineer	Date
		City Project No.				Sheet 1 Of 4	

Mesa del Sol

Bohannon & Huston

Courtyard | 7500 Jefferson St NE Albuquerque, NM 87109-4335

ENGINEERING • SPATIAL DATA • ADVANCED TECHNOLOGIES



SP-2007/072567
LOCATION MAP
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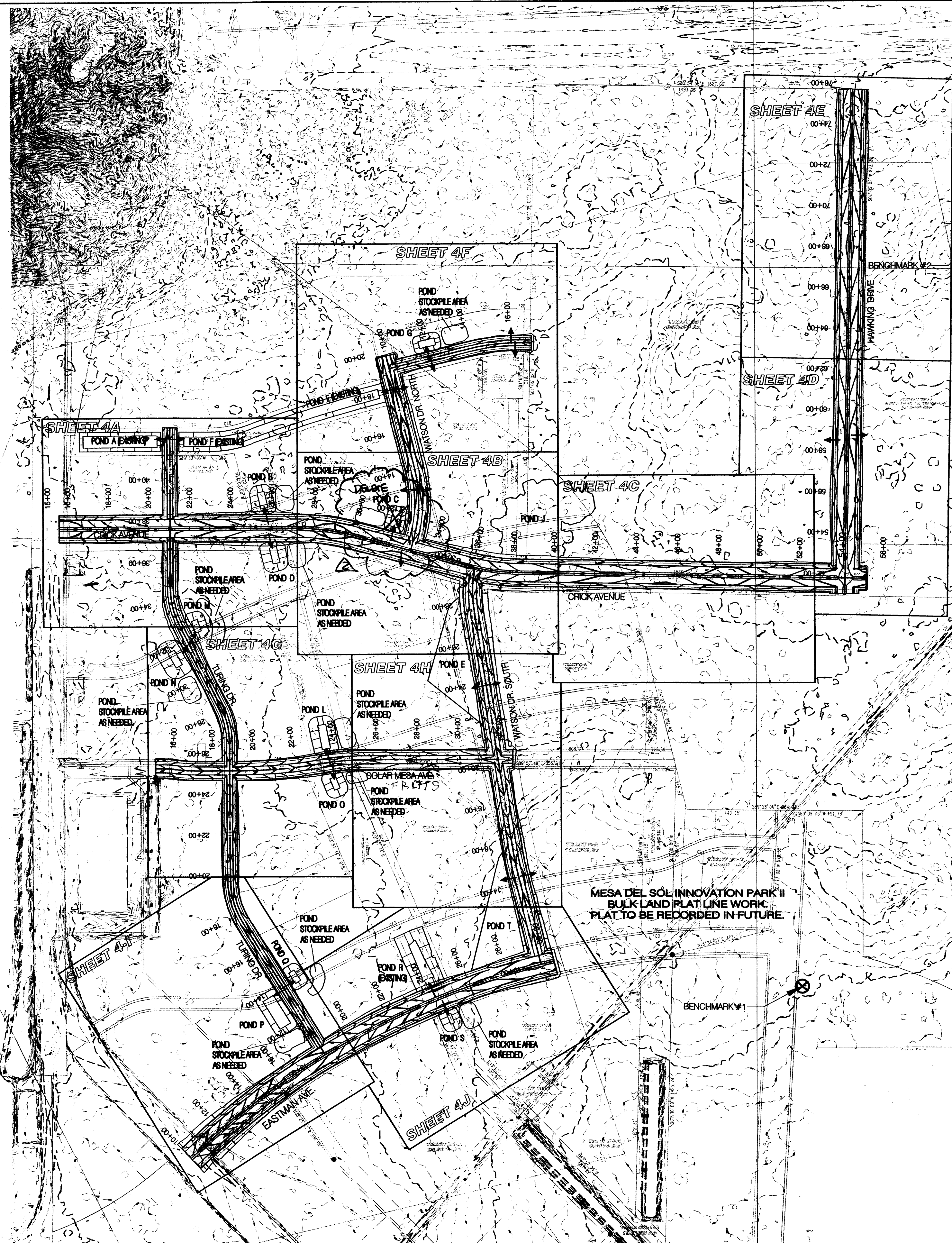
BASIN ID	AREA (ac)	WSL ELV	POND TOP ELEV	POND BOTTOM ELEV	POND VOLUME acre-ft
B	9.2	5296.0	5300.0	5292.0	0.5
C	9.3	5296.0	5298.1	5292.0	0.5
D	9.84	5296.0	5300.0	5292.0	0.5
E	20.14	5295.5	5296.0	5295.0	1.0
J	55.8	5294.0	5296.0	5293.0	8.2
G	4.34	5295.0	5297.5	5291.0	0.5
I	5.47	5292.0	5294.0	5288.0	0.3
K	26.69	5294.0	5298.0	5286.5	1.6
L	15.71	5293.0	5295.5	5285.0	0.8
M	1.33	5299.0	5302.0	5290.0	0.2
N	8.95	5297.0	5301.0	5291.0	0.9
O	5.74	5295.0	5298.0	5286.0	0.3
P	21.06	5297.0	5300.0	5293.0	1.2
Q	3.22	5296.0	5299.0	5293.0	0.2
S	3.19	5291.0	5293.5	5287.0	0.2
T	16.95	5294.0	5294.5	5292.5	0.8

N.T.S.
*CONTRACTOR TO GRADE 8" BELOW TOP OF PAVEMENT ELEVATION
AND TO BACK TO PROPOSED GRADE AT BACK OF CURB.



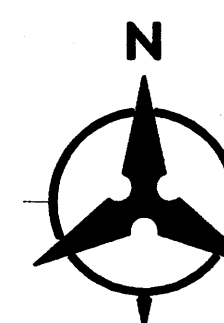
N.T.S

*NOTE: SECTION TAKEN AT "GRADE TO DAYLIGHT"
AREAS OF ROAD AND POND.



*NOTE:
SEE POND SUMMARY TABLE, THIS SHEET
FOR POND ELEVATIONS.

BENCHMARK #1			BENCHMARK #2		
1_R16			3_Q16		
N1453939.35	E1533242.614	5291.48	N1457546.798	E1534025.978	5310.42



	EXISTING CURB & GUTTER
	PROPOSED MOUNTABLE CURB & GUTTER
	PROPOSED STANDARD CURB & GUTTER
	EXISTING CONTOUR W/ INDEX ELEVATION
	PROPOSED CONTOUR W/ INDEX ELEVATION
	FLOW ARROW
	PROPOSED SLOPE
	GRADE TO DAYLIGHT
	pond GRADING STOCKPILE AREA AS NEEDED

[illegible]

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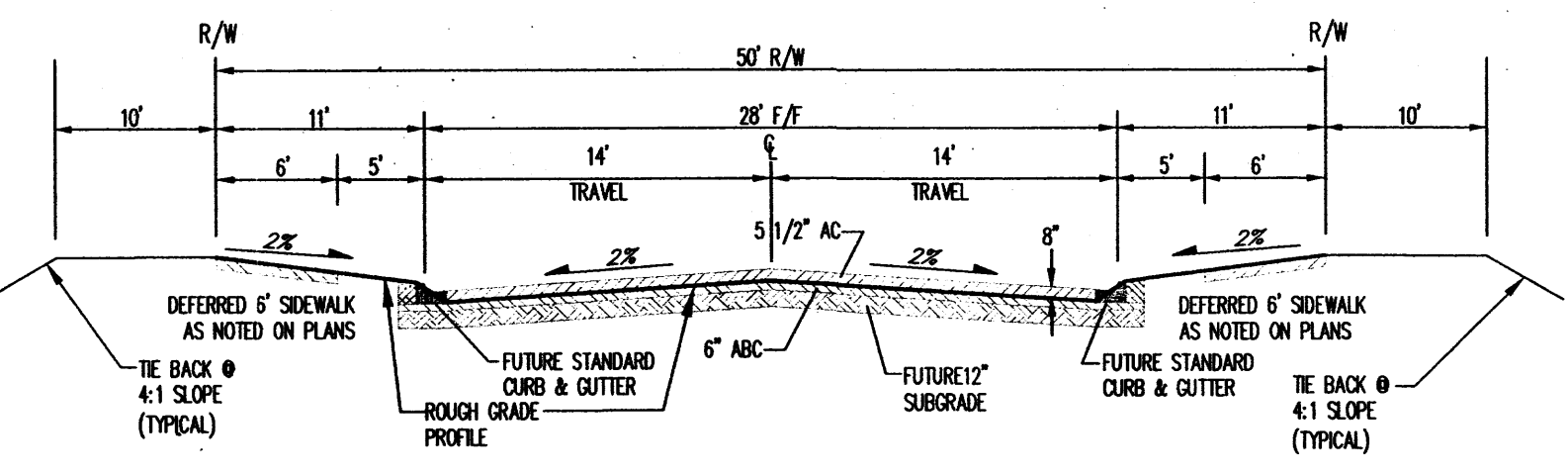


CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

MESA DEL SOL
INNOVATION PARK
OVERALL ROADWAY ROUGH GRADING PLAN

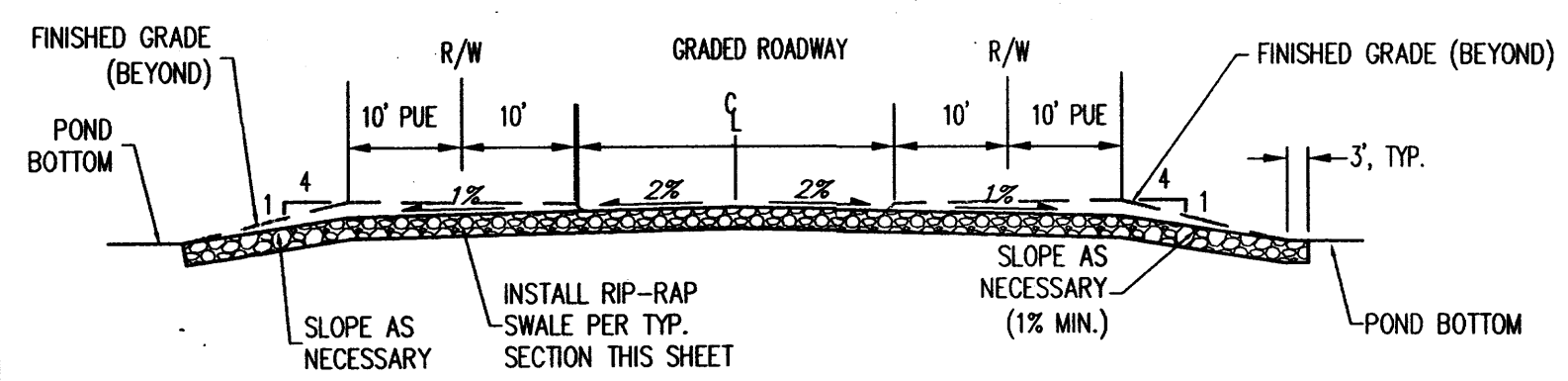
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City Project No.	Zone Map No. R-15, R-16	Sheet 3	Of 4
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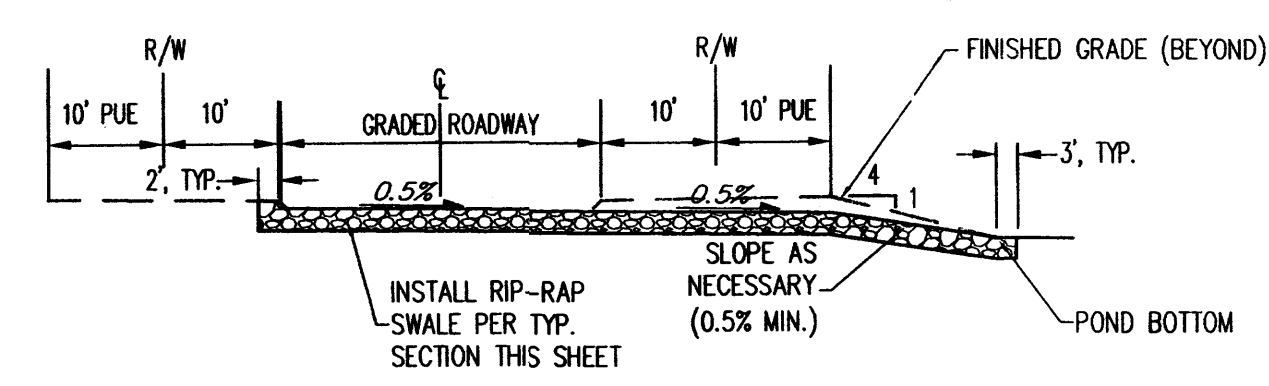
TYPICAL STREET SECTION 28' F-F

N.T.S.
CONTRACTOR TO GRADE 6" BELOW TOP OF PAVEMENT ELEVATION AND THE BACK TO PROPOSED GRADE AT BACK OF CURB.



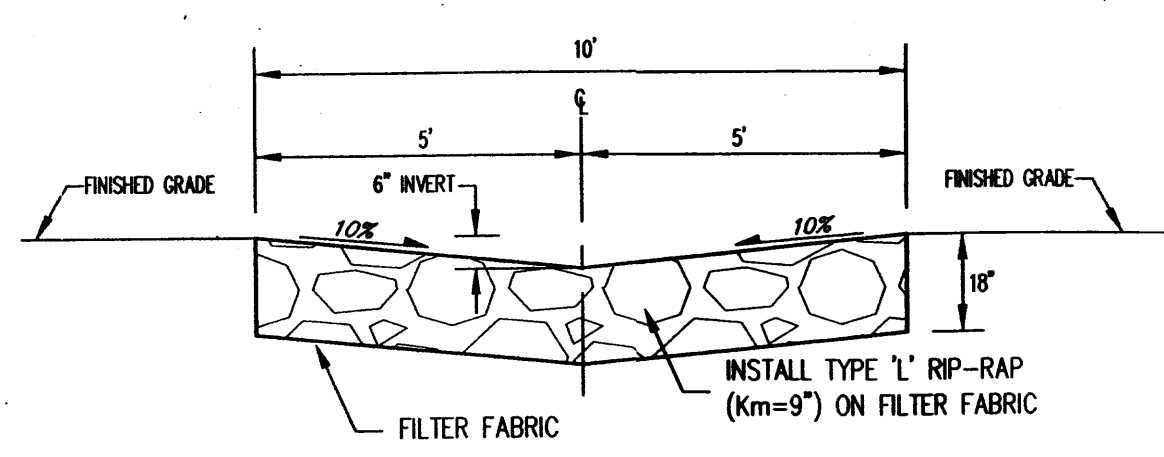
TYPICAL GRADE TO DAYLIGHT SECTION

N.T.S.
NOTE: SECTION TAKEN AT "GRADE TO DAYLIGHT" AREAS OF ROADWAY LOW POINTS.



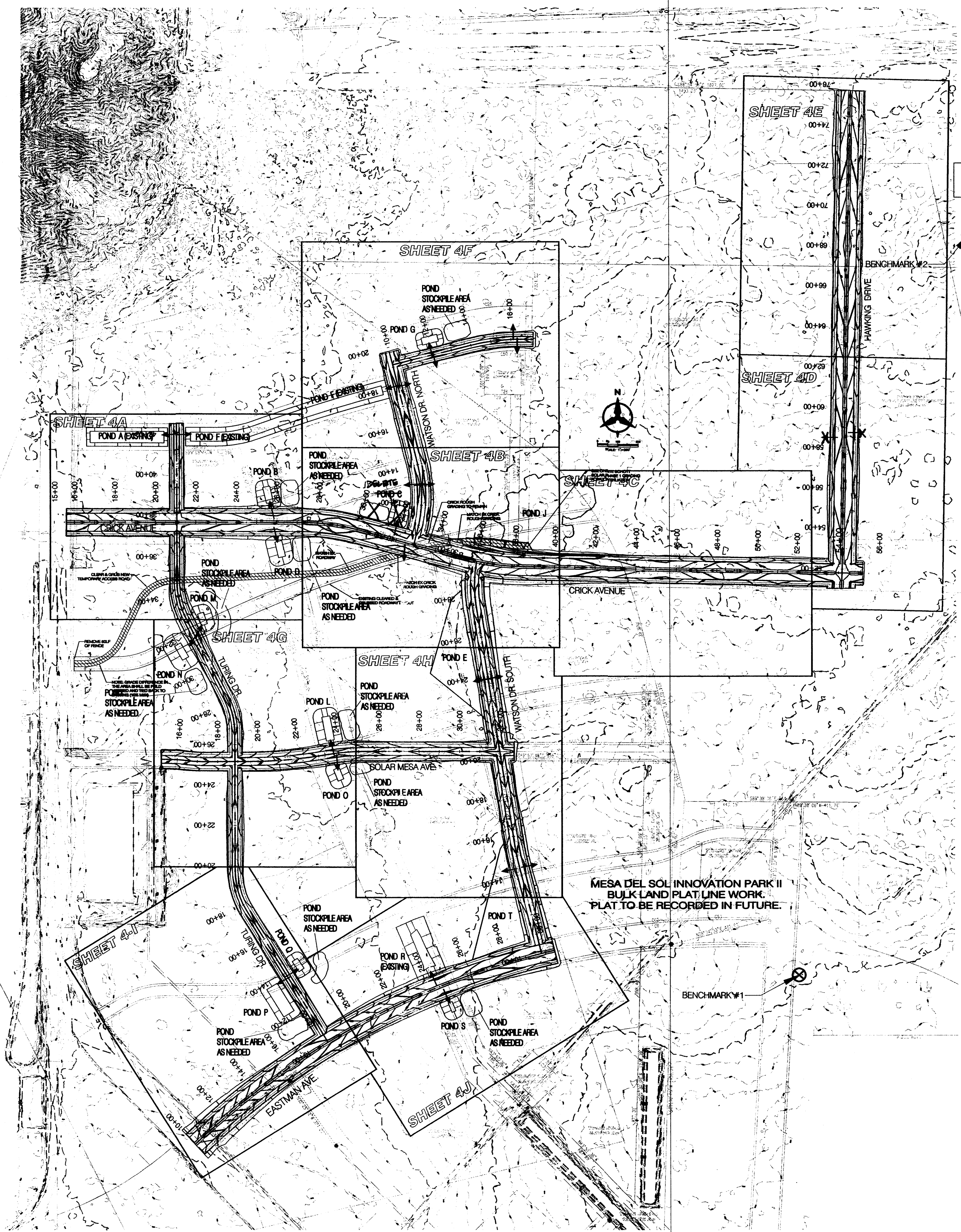
TYPICAL SWALE SECTION

N.T.S.



TYPICAL RIP-RAP SECTION

N.T.S.

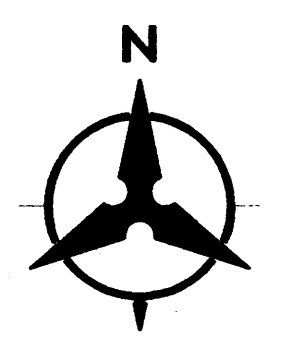


PROJECT BENCH MARKS:

BENCHMARK #1	BENCHMARK #2
1_R16 N1453939.35 E1533242.614 5291.48	3_016 N1457546.798 E1534025.978 5310.42

POND SUMMARY TABLE

BASIN ID	AREA (ac)	WSL ELEV	POND TOP ELEV	POND BOTTOM ELEV	POND VOLUME acre-ft
B	9.2	5296.0	5300.0	5292.0	0.5
C	9.3	5296.0	5298.1	5292.0	0.5
D	9.84	5296.0	5300.0	5292.0	0.5
E	20.14	5295.5	5296.0	5295.0	1.0
J	55.8	5294.0	5296.0	5293.0	8.2
G	4.34	5295.0	5297.5	5291.0	0.5
F	5.47	5292.0	5294.0	5288.0	0.3
K	25.58	5291.0	5295.0	5285.5	1.9
L	15.71	5293.0	5295.5	5288.5	0.8
M	1.33	5299.0	5302.0	5296.0	0.2
N	8.95	5297.0	5301.0	5291.0	0.9
O	5.74	5293.0	5296.0	5289.0	0.3
P	21.06	5297.0	5300.0	5293.0	1.2
Q	3.22	5296.0	5299.0	5293.0	0.2
S	3.19	5291.0	5293.5	5287.0	0.2
T	16.95	5294.0	5294.5	5292.5	0.8



LEGEND

- EXISTING CURB & GUTTER
- PROPOSED MOUNTABLE CURB & GUTTER
- PROPOSED STANDARD CURB & GUTTER
- EXISTING CONTOUR W/ INDEX ELEVATION
- PROPOSED CONTOUR W/ INDEX ELEVATION
- FLOW ARROW
- PROPOSED SLOPE
- GRADE TO DAYLIGHT PER SECTION A, THIS SHEET
- POND GRADING STOCKPILE AREA AS NEEDED

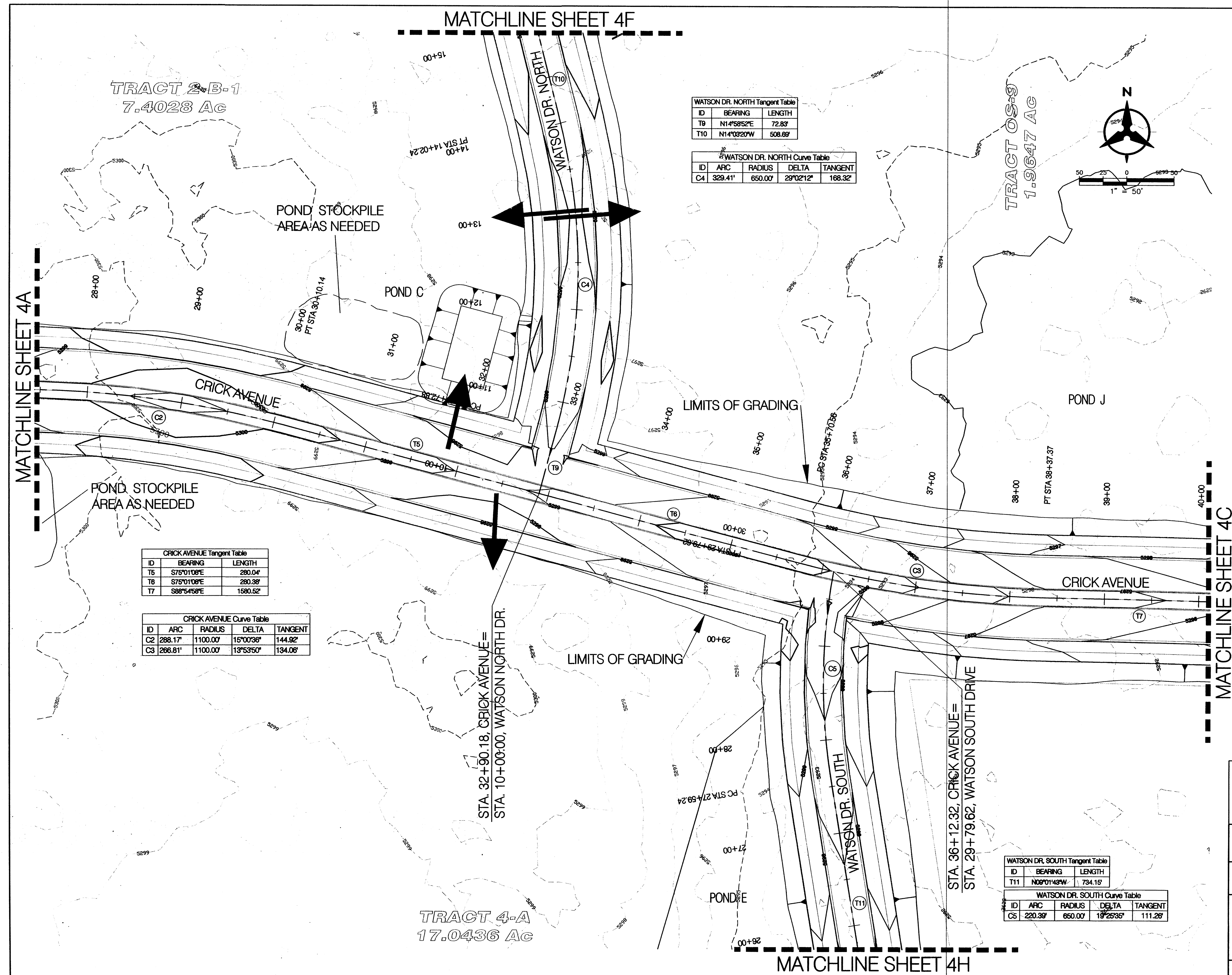
Bohannon & Huston
 Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335
 ENGINEERING • SPATIAL DATA • ADVANCED TECHNOLOGIES



**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT**

**MESA DEL SOL
INNOVATION PARK
OVERALL ROADWAY ROUGH GRADING PLAN**

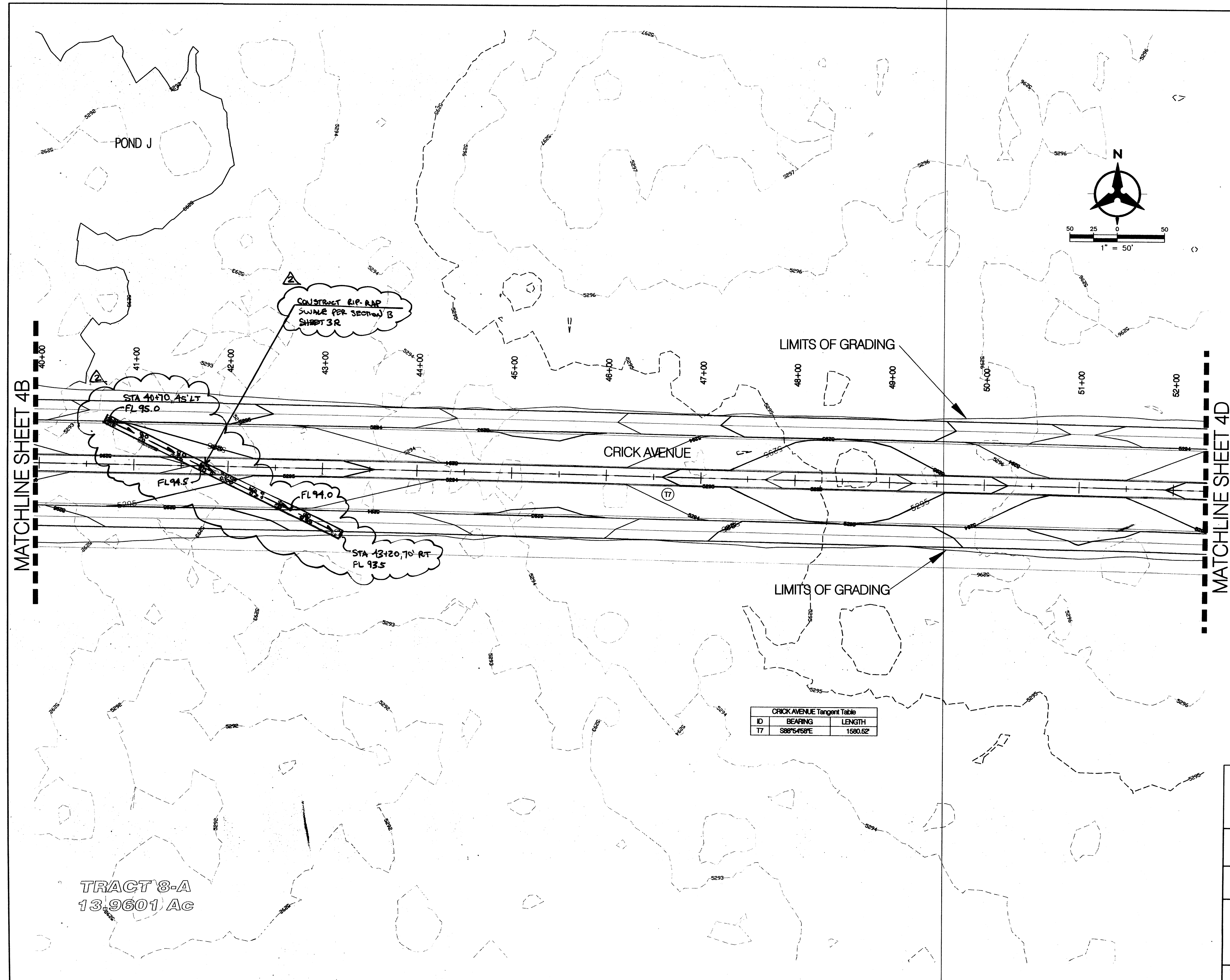
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.	Zone Map No.	Sheet	Of
	R-15, R-16	3R	4



*NOTE:
SEE POND SUMMARY TABLE, SHEET 3
FOR POND ELEVATIONS.

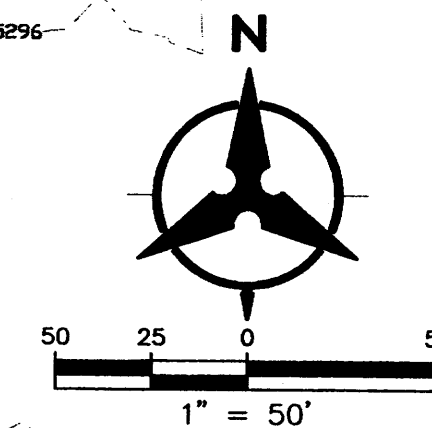
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 Bohannon & Huston Courtyard 7500 Jefferson St. NE Albuquerque, NM 87109-4335 ENGINEERING • SPATIAL DATA • ADVANCED TECHNOLOGIES		4/08 A No.	DATE 4/08 No.	Drawn By: LsM Date	Designed By: BJL Drawn By: LsM Checked By: CJS																							
 CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT																												
MESA DEL SOL INNOVATION PARK ROADWAY ROUGH GRADING PLAN																												
Design Review Committee	City Engineer Approval	Last Design Update	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Mo./Day/Yr.</th> <th style="width: 50%;">Mo./Day/Yr.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	Mo./Day/Yr.	Mo./Day/Yr.											<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Mo./Day/Yr.</th> <th style="width: 50%;">Mo./Day/Yr.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	Mo./Day/Yr.	Mo./Day/Yr.										
Mo./Day/Yr.	Mo./Day/Yr.																											
Mo./Day/Yr.	Mo./Day/Yr.																											
City Project No.		Zone Map No.	Sheet	Of																								
		R-15, R-16	4B	4																								



P:\080344\cdp\general\ROUGH_GRADE-SHEETS.dwg
May 01, 2008 - 1:57pm

*NOTE:
SEE POND SUMMARY TABLE, SHEET 3
FOR POND ELEVATIONS.



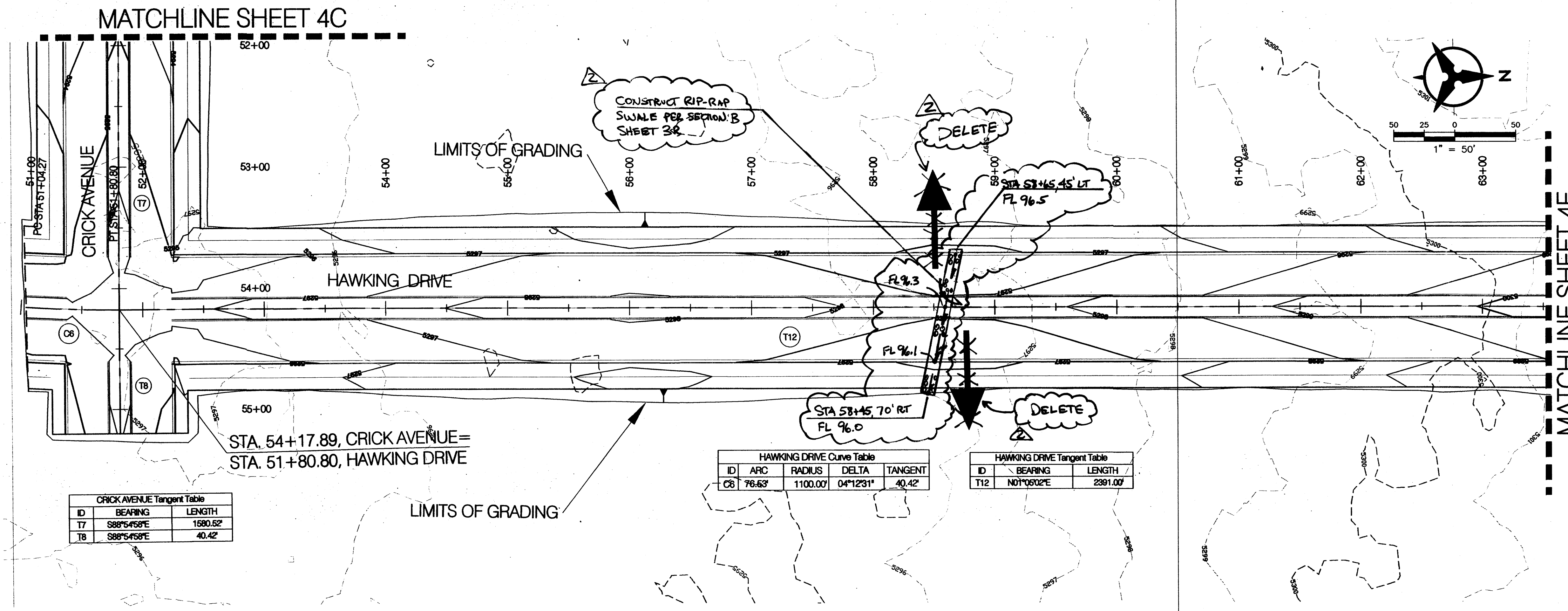
- LEGEND**
- EXISTING CURB & GUTTER
 - PROPOSED MOUNTABLE CURB & GUTTER
 - PROPOSED STANDARD CURB & GUTTER
 - EXISTING CONTOUR W/ INDEX ELEVATION
 - PROPOSED CONTOUR W/ INDEX ELEVATION
 - FLOW ARROW
 - PROPOSED SLOPE
 - GRADE TO DAYLIGHT
 - POND GRADING STOCKPILE AREA AS NEEDED

CRICK AVENUE Tangent Table		
ID	BEARING	LENGTH
T7	S88°54'59"E	1590.52'

TRACT 8-A
13.9601 Ac

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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT MESA DEL SOL INNOVATION PARK ROADWAY ROUGH GRADING PLAN	
Design Review Committee City Project No.	City Engineer Approval Zone Map No. R-15, R-16
Last Design Update Sheet 4C	Mo./Day/Yr. Of 4

SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
NO.	BY	DATE	DATE	CONTRACTOR	DATE
				BENCHMARK #1 N145339.35 E1533242.614	5291.48
				BENCHMARK #2 3.016 N1457546.798 E1534025.978	5310.42
ENGINEER'S SEAL		FIELD NOTES		MICROFILM INFORMATION	
CJS DATE: 04/17/08 DRAWN BY: LJM CHECKED BY: CJS		NO. BY DATE		NO. DATE	



CRICK AVENUE Tangent Table		
ID	BEARING	LENGTH
T7	S88°54'58"E	1580.52'
T8	S88°54'58"E	40.42'

HAWKING DRIVE Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C8	76.63°	1100.00'	04°12'31"	40.42'

HAWKING DRIVE Tangent Table		
ID	BEARING	LENGTH
T12	N01°05'02"E	2391.00'

*NOTE:
SEE POND SUMMARY TABLE, SHEET 3
FOR POND ELEVATIONS.

- LEGEND**
- EXISTING CURB & GUTTER
 - PROPOSED MOUNTABLE CURB & GUTTER
 - PROPOSED STANDARD CURB & GUTTER
 - EXISTING CONTOUR W/ INDEX ELEVATION
 - PROPOSED CONTOUR W/ INDEX ELEVATION
 - FLOW ARROW
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 - GRADE TO DAYLIGHT
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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT	
MESA DEL SOL INNOVATION PARK ROADWAY ROUGH GRADING PLAN	
Design Review Committee	City Engineer Approval
City Project No.	Zone Map No. R-15, R-16
Sheet 4D	Of 4

SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
NO.	BY	DATE	CONTRACTOR	DATE	DATE
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			BENCHMARK #2 L1Q16 N1457546.798 E1534025.978	5310.42	
			INSPECTOR'S FIELD	DATE	DATE
			REVISIONS	DATE	DATE
			DESIGN	DATE	DATE
			RECORDED BY	DATE	DATE
			NO.		

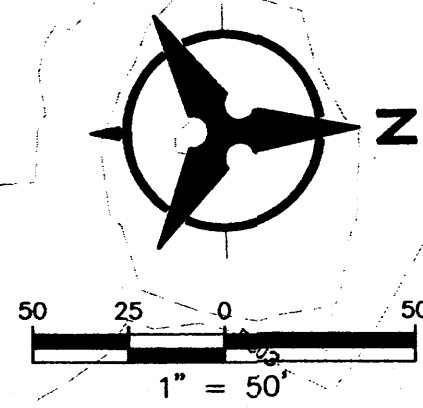
MATCHLINE SHEET 4D

HAWKING DRIVE

HAWKING DRIVE Tangent Table		
ID	BEARING	LENGTH
T12	N01°05'02"E	2391.00'

LIMITS OF GRADING

LIMITS OF GRADING



*NOTE:
SEE POND SUMMARY TABLE, SHEET 3
FOR POND ELEVATIONS.

- LEGEND**
- EXISTING CURB & GUTTER
 - PROPOSED MOUNTABLE CURB & GUTTER
 - PROPOSED STANDARD CURB & GUTTER
 - EXISTING CONTOUR W/ INDEX ELEVATION
 - PROPOSED CONTOUR W/ INDEX ELEVATION
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ENGINEERING & SPATIAL DATA & ADVANCED TECHNOLOGIES



**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT**

MESA DEL SOL

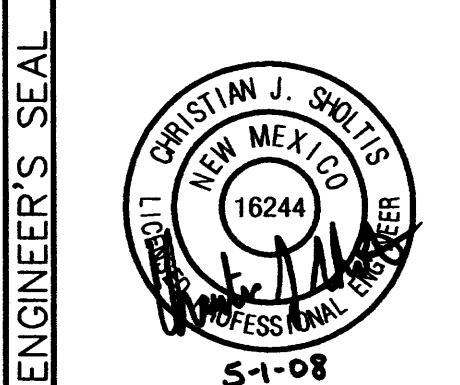
INNOVATION PARK

ROADWAY ROUGH GRADING PLAN

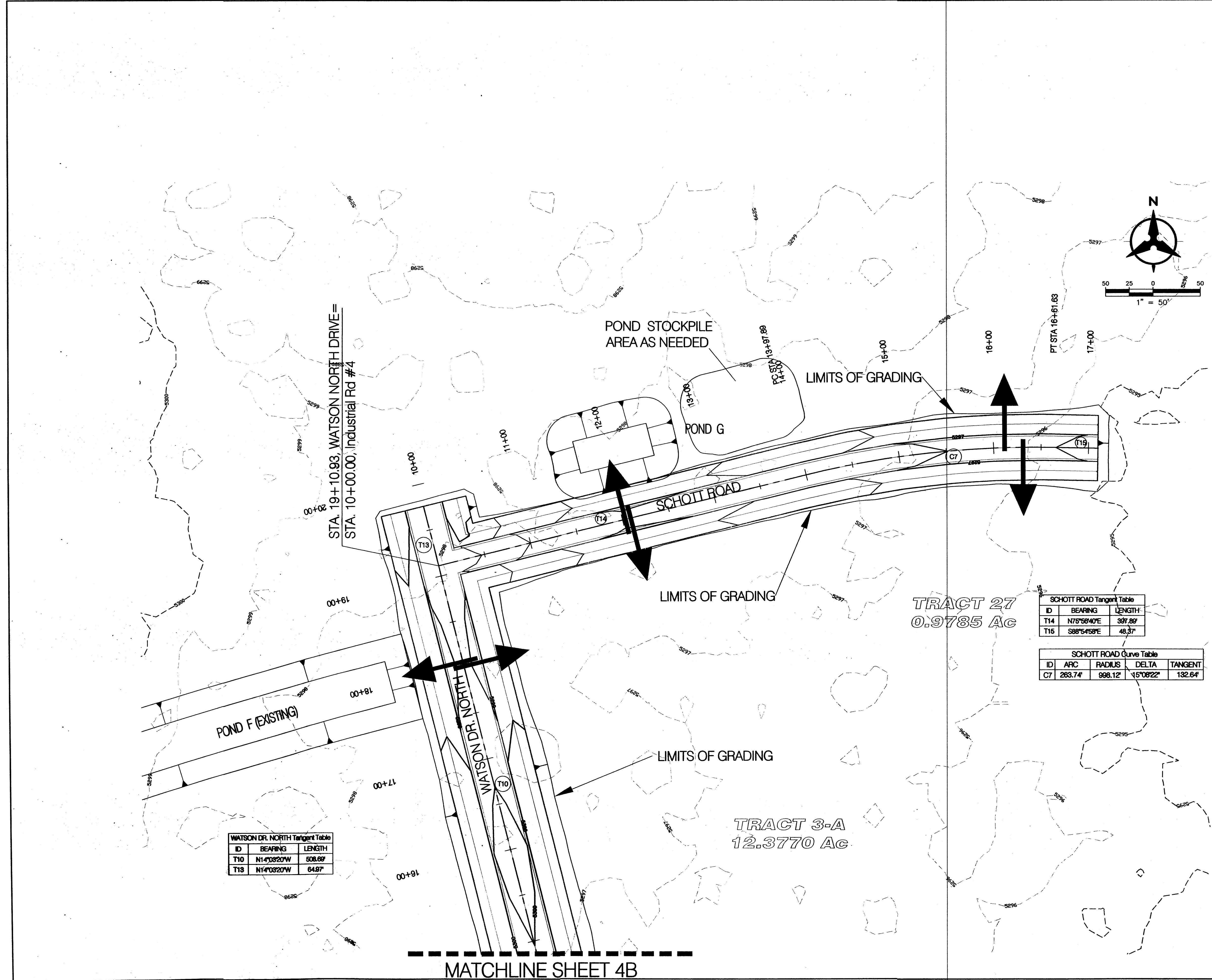
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
	R-15, R-16	4E	4

SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
FIELD NOTES					
NO.	BY	DATE	CONTRACTOR	DATE	DATE
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			BENCHMARK #2 S_016 N1457546.798 E1534025.978	5310.42	
			FIELDWORK BY	DATE	DATE
			DESIGNED BY	DATE	DATE
			CHECKED BY	DATE	DATE
			RECORDED BY	DATE	DATE
			NO.		



DESIGNED BY	DATE	DESIGNED BY	DATE
By: CJS	04/17/08	By: CJS	04/17/08
DATE	04/17/08	DATE	04/17/08
DATE	04/17/08	DATE	04/17/08



*NOTE:
SEE POND SUMMARY TABLE, SHEET 3
FOR POND ELEVATIONS.

LEGEND

- EXISTING CURB & GUTTER
- PROPOSED MOUNTABLE CURB & GUTTER
- PROPOSED STANDARD CURB & GUTTER
- EXISTING CONTOUR W/ INDEX ELEVATION
- PROPOSED CONTOUR W/ INDEX ELEVATION
- FLOW ARROW
- PROPOSED SLOPE
- GRADE TO DAYLIGHT
- POND GRADING STOCKPILE AREA AS NEEDED

SCHOTT ROAD Tangent Table

ID	BEARING	LENGTH
T14	N75°59'40"E	397.89'
T15	S88°54'58"E	48.37'

SCHOTT ROAD Curve Table

ID	ARC	RADIUS	DELTA	TANGENT
C7	283.74'	998.12'	15°08'22"	132.64'

WATSON DR. NORTH Tangent Table

ID	BEARING	LENGTH
T10	N14°03'20"W	508.69'
T13	N14°03'20"W	64.97'

SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
NO.	BY	DATE	CONTRACTOR	DATE	
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			BENCHMARK #2 L_Q16 N1457546.798 E1534025.978	5310.42	
			INSPECTOR'S BY	DATE	
			FIELD	DATE	
			REVISION BY	DATE	
			CHECKED BY	DATE	
			RECORDED BY	DATE	
			NO.		

ENGINEER'S SEAL

CRISTIAN J. SALTIS
REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW MEXICO
16244

DATE: 04/17/08
DESIGNED BY: BUL
DRAWN BY: LHM
CHECKED BY: CJS

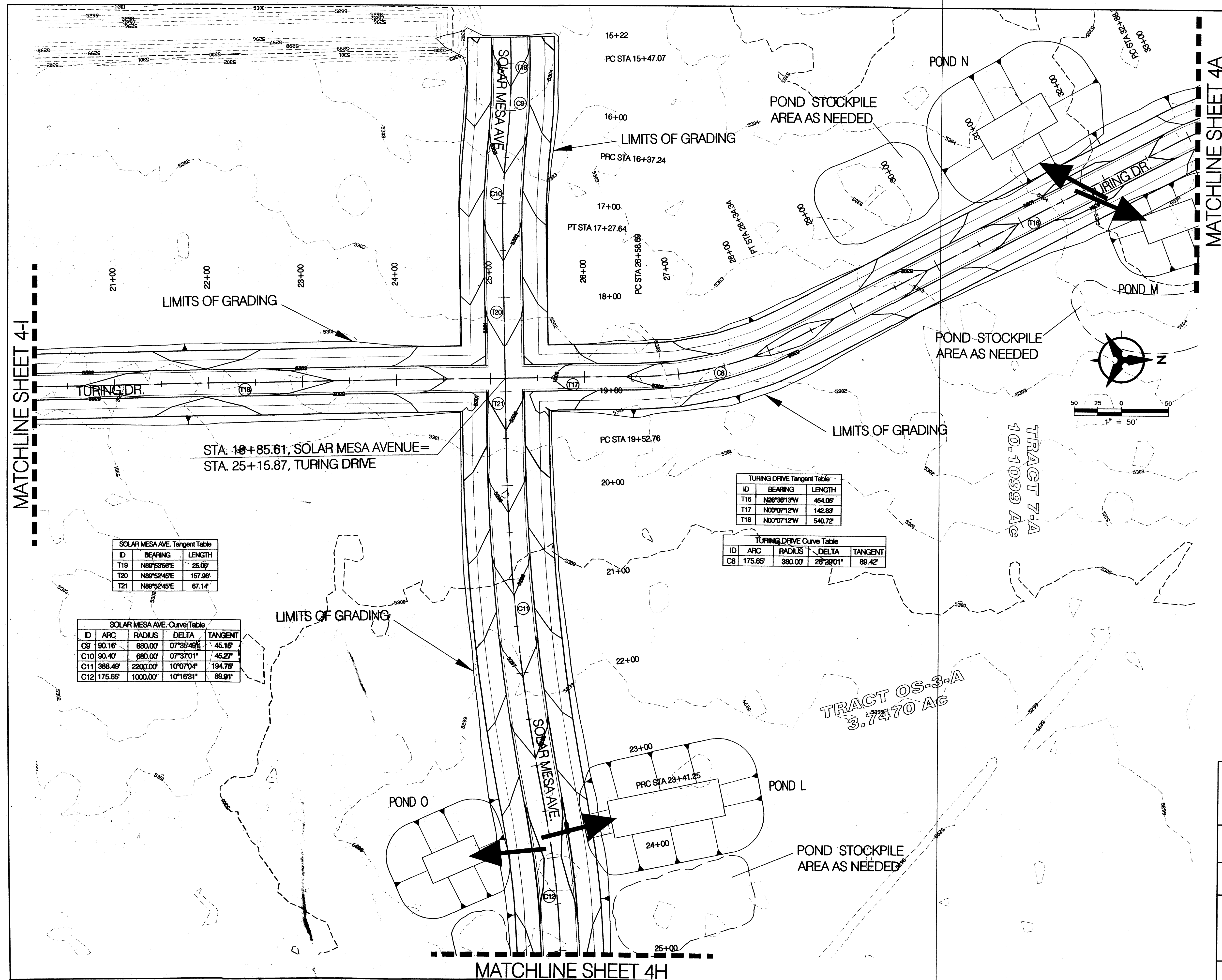
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

MESA DEL SOL
INNOVATION PARK
ROADWAY ROUGH GRADING PLAN

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. _____ Zone Map No. R-15, R-16 Sheet 4F Of 4



ID	BEARING	LENGTH
T19	N89°53'56"E	25.00'
T20	N89°52'45"E	157.98'
T21	N89°52'45"E	67.14'

ID	ARC	RADIUS	DELTA	TANGENT
C8	90.18'	880.00'	07°35'49"	45.18'
C10	90.40'	880.00'	07°37'01"	45.27'
C11	388.49'	2200.00'	10°07'04"	194.75'
C12	175.65'	1000.00'	10°18'31"	89.91'

ID	BEARING	LENGTH
T16	N26°38'13"W	454.05'
T17	N00°07'12"W	142.83'
T18	N00°07'12"W	540.72'

ID	ARC	RADIUS	DELTA	TANGENT
C8	175.65'	380.00'	26°29'01"	89.42'

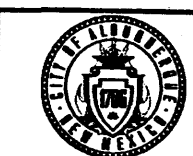
NOTE:
SEE POND SUMMARY TABLE, SHEET 3
FOR POND ELEVATIONS.

LEGEND

- EXISTING CURB & GUTTER
- PROPOSED MOUNTABLE CURB & GUTTER
- PROPOSED STANDARD CURB & GUTTER
- EXISTING CONTOUR W/ INDEX ELEVATION
- PROPOSED CONTOUR W/ INDEX ELEVATION
- FLOW ARROW
- PROPOSED SLOPE
- GRADE TO DAYLIGHT
- POND GRADING STOCKPILE AREA AS NEEDED

Bohannon & Huston

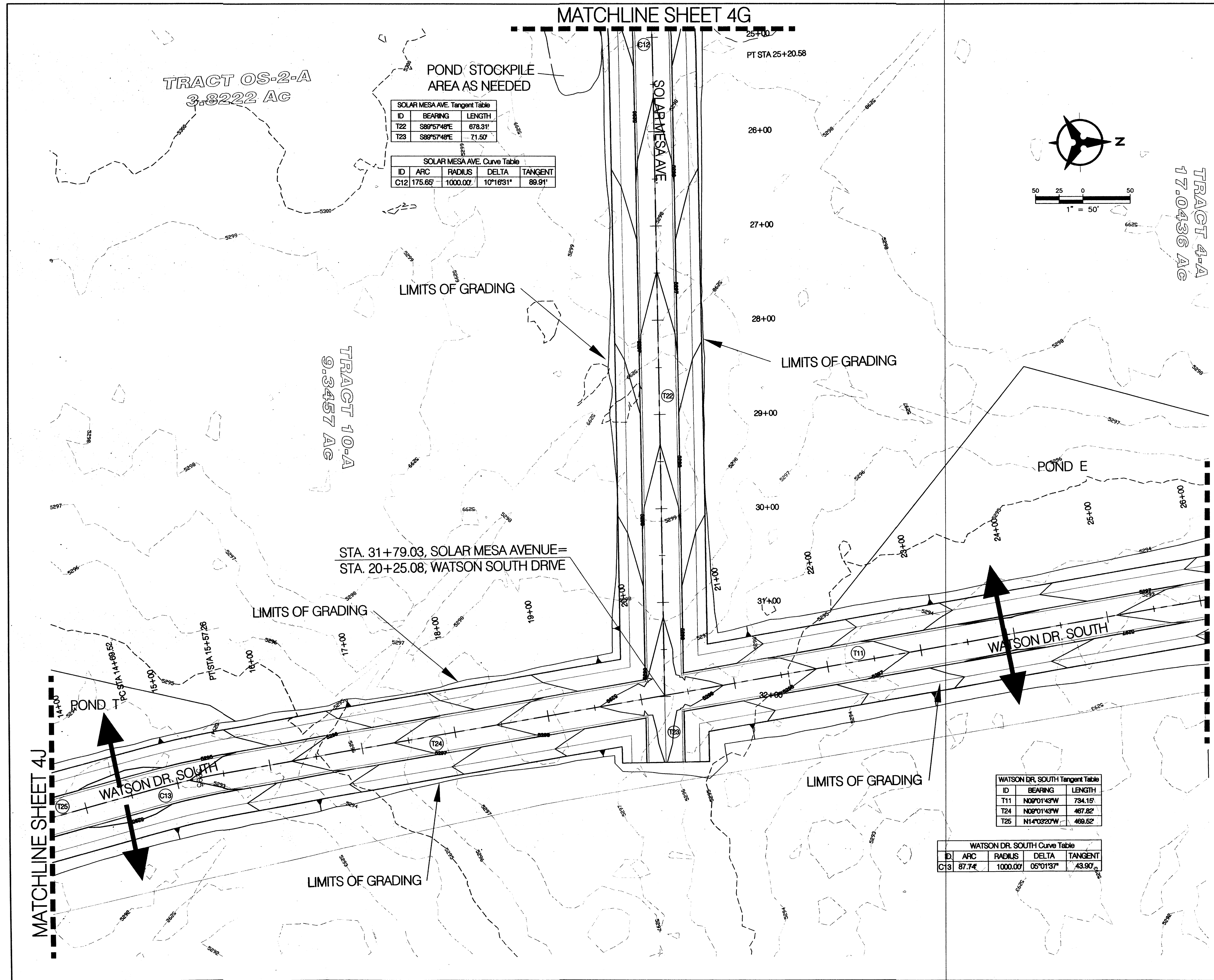
Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335
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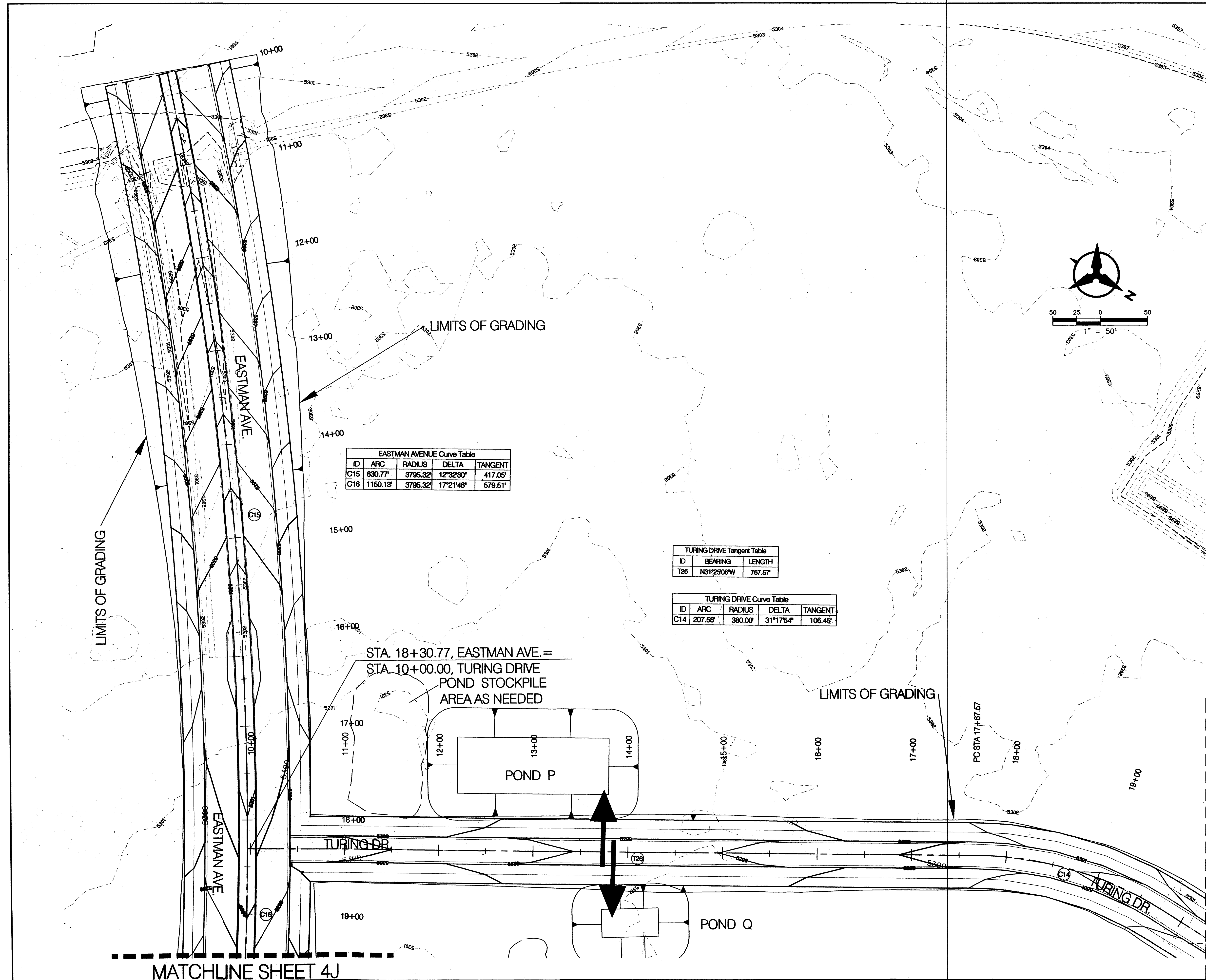


CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

MESA DEL SOL
INNOVATION PARK
ROADWAY ROUGH GRADING PLAN

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.	Zone Map No.	Sheet	Of
	R-15, R-16	4C	4



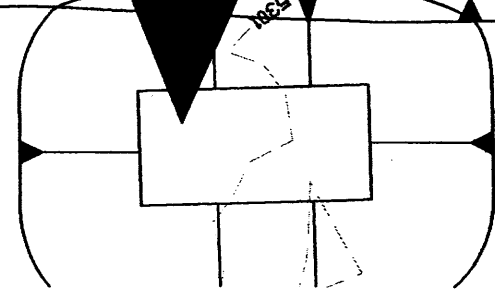
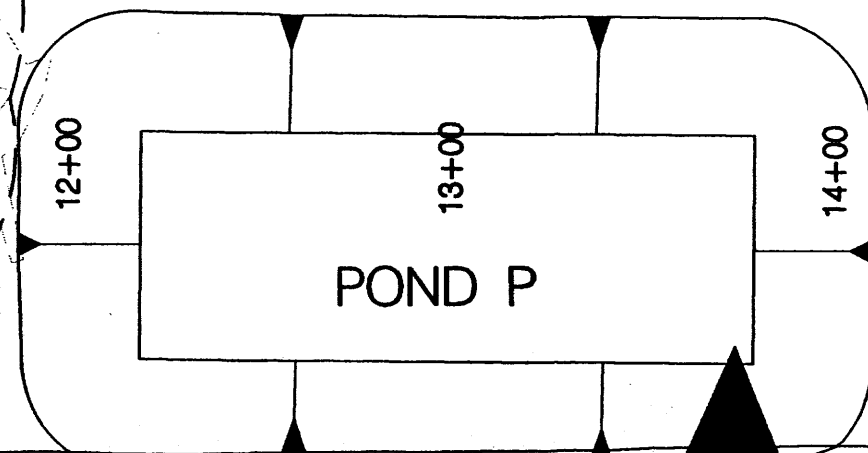


EASTMAN AVENUE Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C15	830.77'	3795.32'	12°32'30"	417.05'
C16	1150.13'	3795.32'	17°21'48"	579.51'

TURING DRIVE Tangent Table		
ID	BEARING	LENGTH
T26	N81°26'06"W	767.57'

TURING DRIVE Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C14	207.58'	380.00'	31°17'54"	106.45'

STA. 18+30.77, EASTMAN AVE. =
STA. 10+00.00, TURING DRIVE
POND STOCKPILE
AREA AS NEEDED



*NOTE:
SEE POND SUMMARY TABLE, SHEET 3
FOR POND ELEVATIONS.

- LEGEND**
- EXISTING CURB & GUTTER
 - == PROPOSED MOUNTABLE CURB & GUTTER
 - == PROPOSED STANDARD CURB & GUTTER
 - 54.70 — EXISTING CONTOUR W/ INDEX ELEVATION
 - 54.70 — PROPOSED CONTOUR W/ INDEX ELEVATION
 - FLOW ARROW
 - PROPOSED SLOPE
 - GRADE TO DAYLIGHT
 - POND GRADING STOCKPILE AREA AS NEEDED

SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
NO.	BY	DATE	CONTRACTOR	DATE	DATE
			BENCHMARK #1 1_R16 N1453939.35 E1533242.614	5291.48	
			BENCHMARK #2 3_Q16 N1457546.798 E1534025.978	5310.42	
REVISIONS		MICROFILM INFORMATION		DATE	
NO.	DATE	NO.	DATE	NO.	DATE
1	4/08	1	4/08	1	4/08
DESIGN		RECORDED BY		DATE	
DATE: 04/17/08		RECORDED BY		DATE	
DRAWN BY: LJM		RECORDED BY		DATE	
CHECKED BY: CJS		RECORDED BY		DATE	

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ENGINEERING • SPATIAL DATA • ADVANCED TECHNOLOGIES

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

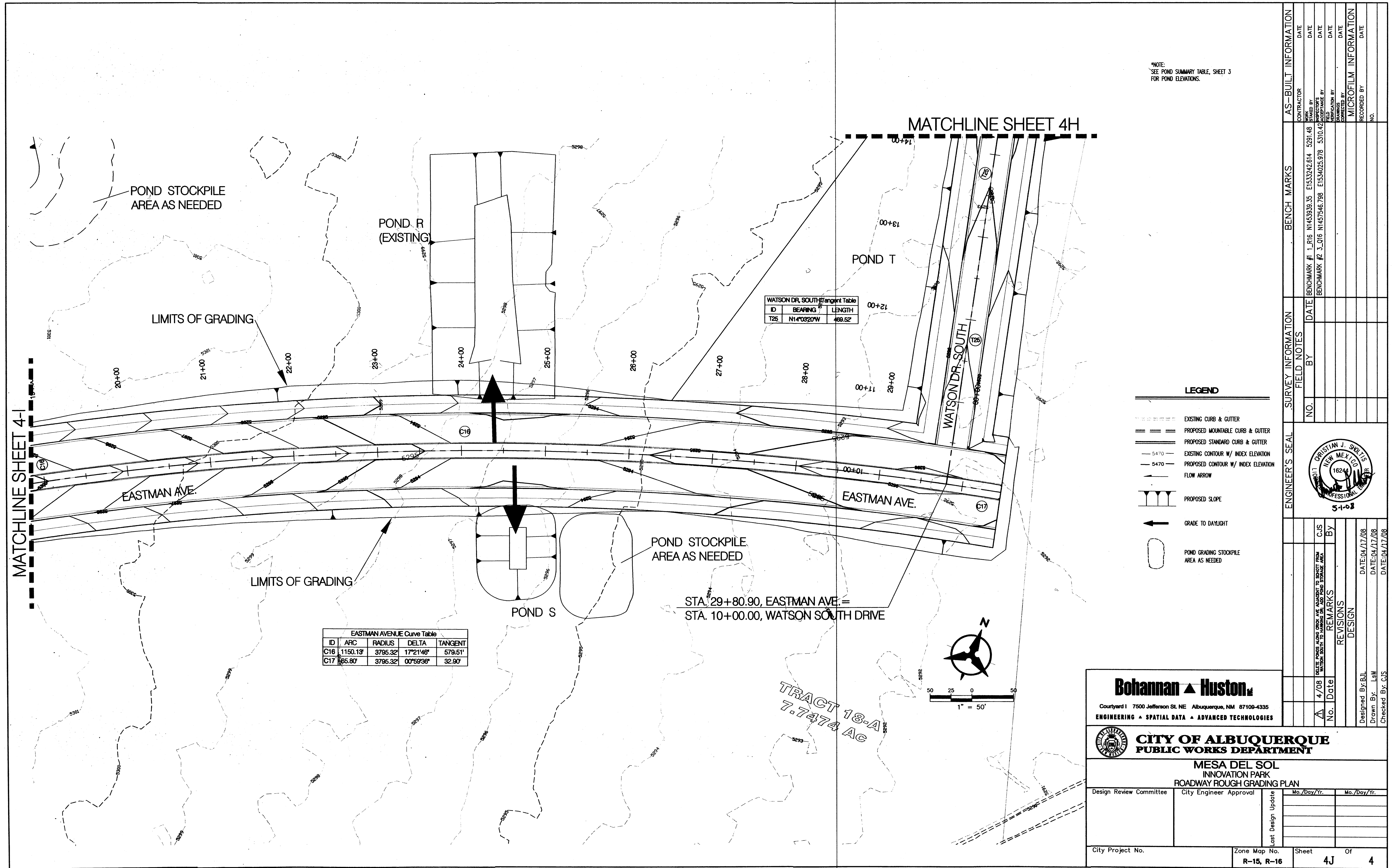
MESA DEL SOL
INNOVATION PARK
ROADWAY ROUGH GRADING PLAN

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.

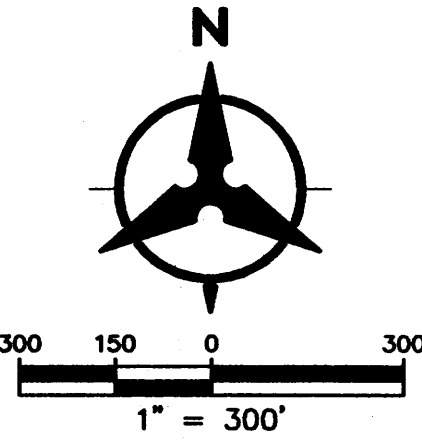
City Project No. _____

Zone Map No. **R-15, R-16**

Sheet **4I** Of **4**



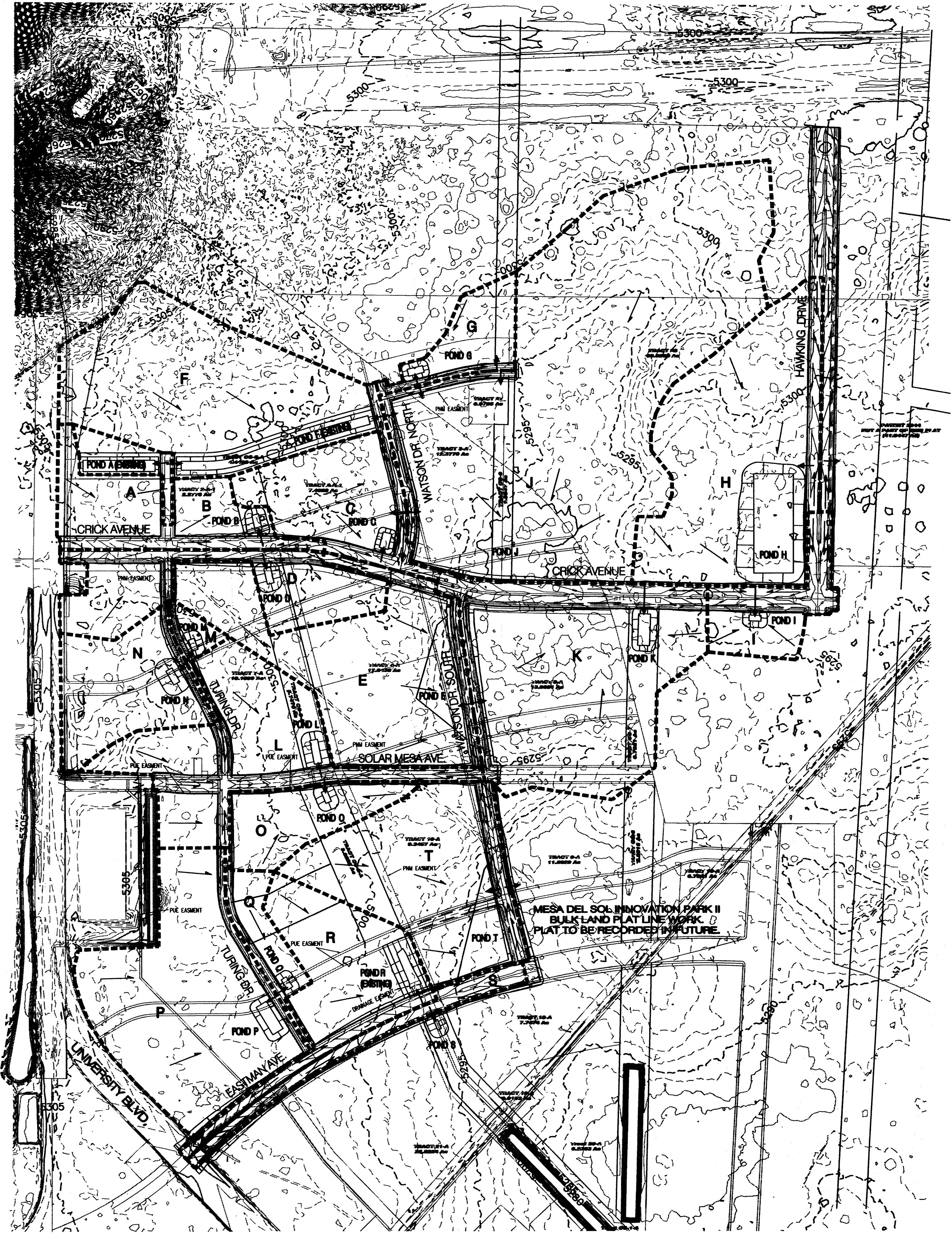
MESA DEL SOL
INNOVATION PARK
ROADWAY ROUGH GRADING
INTERIM CONDITIONS BASIN MAP
4/3/2008



LEGEND	
	BASIN BOUNDARY
	GRADE TO DAYLIGHT
	FLOW ARROW
	PROPOSED SLOPE
	EXISTING CONTOUR W/ INDEX ELEVATION
	PROPOSED CONTOUR W/ INDEX ELEVATION

DRAINAGE BASIN/ POND SUMMARY TABLE

BASIN ID	AREA (ac)	%A	%C	V 360 acre-ft	Q100 cfs	WSL ELV	POND TOP ELEV	POND BOTTOM ELEV	POND VOLUME acre-ft
A	2.2	10	90	0.1	4.86	5296.0	5298.0	5292.0	2.4
B	9.2	90	10	0.4	15.01	5296.0	5300.0	5292.0	0.5
C	9.3	90	10	0.4	15.18	5296.0	5298.1	5292.0	0.5
D	9.84	90	10	0.5	16.06	5296.0	5300.0	5292.0	0.5
E	20.14	90	10	0.9	32.87	5295.5	5296.0	5295.0	1.0
F	22.65	90	10	1.0	36.96	5296.0	5298.0	5290.0	8.7
J	55.8	90	10	2.6	91.07	5294.0	5296.0	5293.0	8.2
G	4.34	90	10	0.2	7.08	5295.0	5297.5	5291.0	0.5
H	24.38	90	10	1.1	39.79	5296.5	5297.0	5295.0	4.0
I	5.47	45	55	0.3	8.93	5292.0	5294.0	5288.0	0.3
K	25.59	90	10	1.2	41.76	5291.0	5293.0	5285.5	1.9
L	15.71	90	10	0.7	25.64	5293.0	5295.5	5288.5	0.8
M	1.33	10	90	0.1	2.17	5299.0	5302.0	5296.0	0.2
N	8.95	90	10	0.4	14.61	5297.0	5301.0	5291.0	0.9
O	5.74	90	10	0.3	9.37	5293.0	5296.0	5289.0	0.3
P	21.06	90	10	1.0	34.37	5297.0	5300.0	5293.0	1.2
Q	3.22	80	20	0.1	5.26	5296.0	5299.0	5293.0	0.2
R	11.21	90	10	0.5	18.29	5294.0	5296.5	5282.0	5.0
S	3.19	90	10	0.1	5.21	5291.0	5293.5	5287.0	0.2
T	16.95	90	10	0.8	27.66	5294.0	5294.5	5292.5	0.8



4-2-08
4-18-08
4-23-08

NOTE: THIS PLAN IS SUBMITTED IN SUPPORT OF ROUGH GRADING
APPROVAL FOR THE ROADWAYS SHOWN.

Bohannon & Huston

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ROADWAY ROUGH GRADING PLAN FOR
MESA DEL SOL
INNOVATION PARK
ALBUQUERQUE, NEW MEXICO

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	PLAT SHEETS
3	OVERALL ROUGH GRADING PLAN
4A - 4J	ROUGH GRADING SHEETS

GRADING 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.

3. EARTH SLOPES SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE.

4. 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.

5. THE CONTRACTOR IS TO 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 SLOPE FENCE AT THE PROPERTY LINES AND NETTING THE SOIL TO PROTECT IT FROM WIND EROSION.

6. 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 OBSERVER. 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.

7. ALL PROPOSED CONTOURS REFLECT TOP OF PAVEMENT ELEVATIONS WITHIN ROADWAYS. AREAS TO BE GRADED WITHIN ROADWAYS SHALL BE GRADED 8" BELOW TOP OF ASPHALT ELEVATION AS PER SECTION SHOWN HEREIN.
8. VERIFY ALL ELEVATIONS SHOWN ON PLAN FROM BASIS OF ELEVATION CONTROL STATION PRIOR TO BEGINNING CONSTRUCTION.

9. SITE CONSTRUCTION TO MEET REQUIREMENTS OF SWPPP (STORM WATER POLLUTION PREVENTION PLAN).

10. CONTRACTOR IS RESPONSIBLE FOR SWPPP PREPARATION AND IMPLEMENTATION. SWPPP COORDINATION IS UNDER WAY. PLEASE CONTACT GRANT MORRISON AT INSPECTION PLUS: 242-9609.

11. ACQUISITION OF CONSTRUCTION WATER FOR DUST CONTROL AND EARTH WORK ACTIVITY IS THE RESPONSIBILITY OF THE CONTRACTOR.

12. RE-SEEDING SHALL BE EXCLUDED FROM THIS PROJECT, BUT WILL BE DONE UPON COMPLETION OF THE PUBLIC INFRASTRUCTURE BY OTHERS IN THE FUTURE.

13. THE FOLLOWING ROADWAYS SHALL BE GRADED PRIOR TO GRADING THE REMAINDER OF THE PROJECT.

 - SOLAR MESA AVENUE WEST OF TURNING DRIVE.
 - TURNING DRIVE BETWEEN SOLAR MESA AVENUE AND CRICK AVENUE.
 - CRICK AVENUE EAST OF TURNING DRIVE.

ROUGH GRADING	(±0.5')
APPROVED FOR ROUGH GRADING	DATE

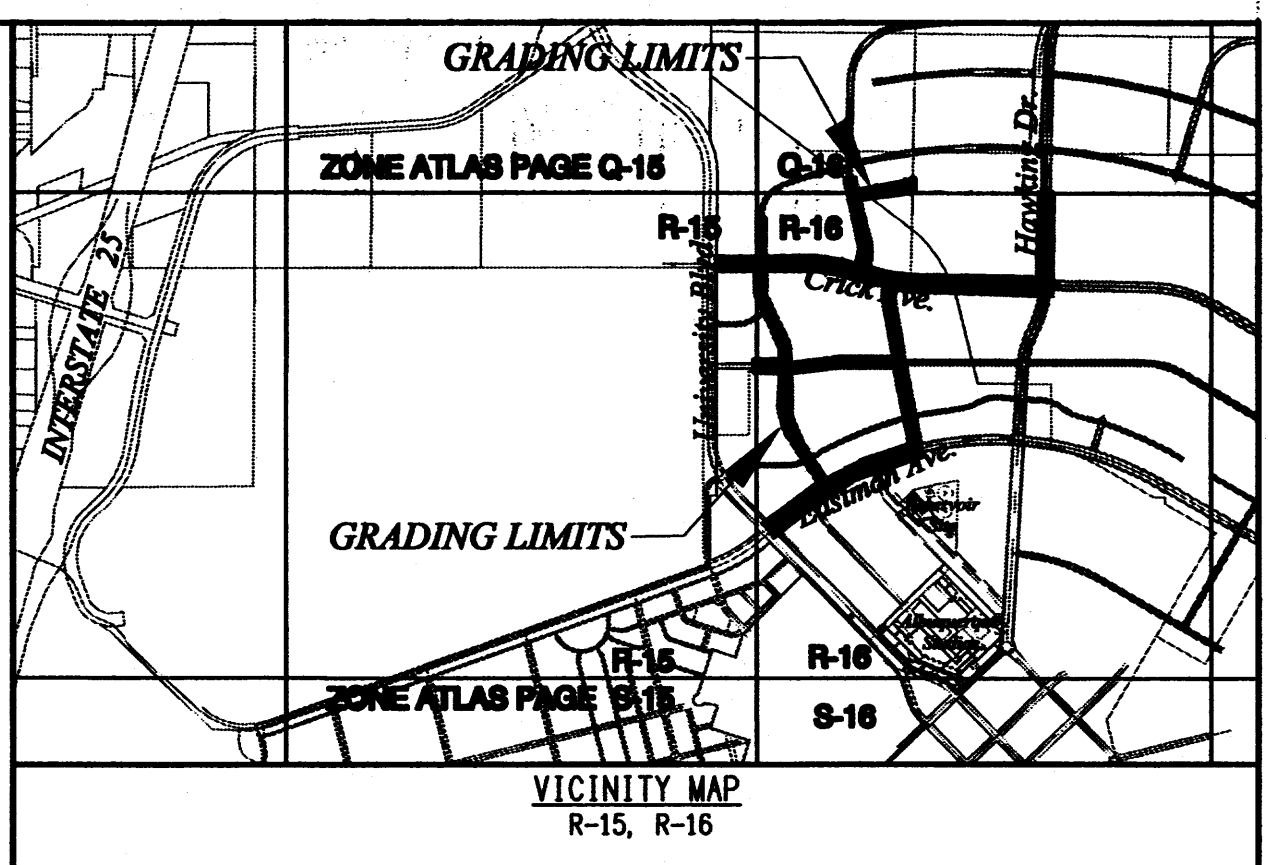
Mesa del Sol

Behanman & Huston

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ENGINEERING • SPATIAL DATA • ADVANCED TECHNOLOGIES

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER	DATE	*****	
		DRC Chairman				APPROVED FOR CONSTRUCTION	
		Transportation					
		Water/Wastewater					
		Hydrology					
Parks				City Engineer		Date	
Const. Coord.							
City Project No.		RECEIVED		APR 24 2008		Sheet 1 of 4	
		HYDROLOGY SECTION				APRIL 2008	



GENERAL NOTES

- 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 SHALL APPLY.
- 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.
- 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.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT LINE LOCATING SERVICE FOR LOCATION OF EXISTING UTILITIES.
- 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.
- 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.
- 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.
- 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.
- 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.).
- 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.
- 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.
- 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.
- 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.
- THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO CONFORM WITH EPA REQUIREMENTS, INCLUDING COMPLIANCE WITH NPDES PHASE 2 REQUIREMENTS.

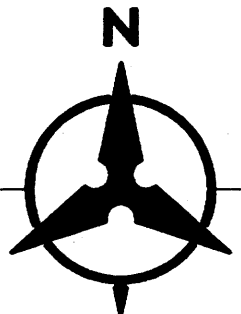
POND SUMMARY TABLE

BASIN ID	AREA (ac)	WSL ELV	POND TOP ELEV	POND BOTTOM ELEV	POND VOLUME (acre-ft)
B	9.2	5296.0	5300.0	5292.0	0.5
C	9.3	5296.0	5298.1	5292.0	0.5
D	8.84	5296.0	5300.0	5292.0	0.5
E	20.14	5295.5	5296.0	5295.0	1.0
J	55.8	5294.0	5296.0	5293.0	8.2
G	4.34	5295.0	5297.5	5291.0	0.5
I	5.47	5292.0	5294.0	5288.0	0.3
K	25.59	5291.0	5293.0	5285.5	1.9
L	15.71	5293.0	5295.5	5288.5	0.8
M	1.33	5299.0	5302.0	5296.0	0.2
N	8.95	5297.0	5301.0	5291.0	0.9
O	5.74	5293.0	5296.0	5289.0	0.3
P	21.06	5297.0	5300.0	5293.0	1.2
Q	3.22	5296.0	5299.0	5293.0	0.2
S	3.19	5291.0	5293.5	5287.0	0.2
T	16.95	5294.0	5294.5	5292.5	0.8

*NOTE:
SEE POND SUMMARY TABLE, THIS SHEET
FOR POND ELEVATIONS.

PROJECT BENCH MARKS:

BENCHMARK #1	BENCHMARK #2
1_R16 N145339.35 E1533242.614 5291.48	3_Q16 N1457546.798 E1534025.978 5310.42

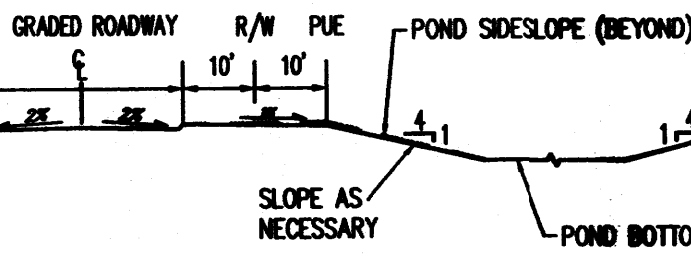


LEGEND

- EXISTING CURB & GUTTER
- PROPOSED MOUNTABLE CURB & GUTTER
- PROPOSED STANDARD CURB & GUTTER
- EXISTING CONTOUR W/ INDEX ELEVATION
- PROPOSED CONTOUR W/ INDEX ELEVATION
- FLOW ARROW
- PROPOSED SLOPE
- GRADE TO DAYLIGHT

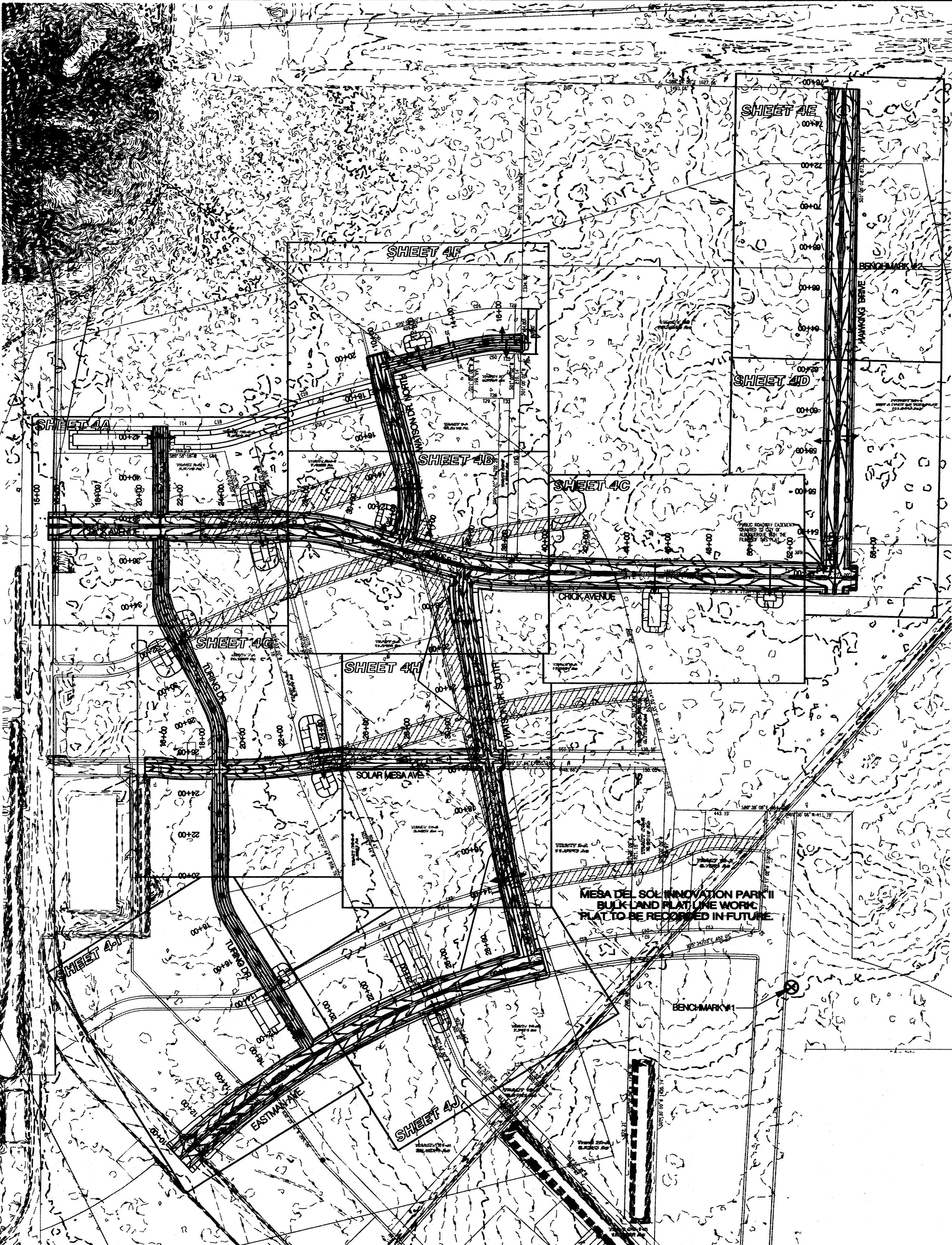
TYPICAL STREET SECTION 28' F-F

N.T.S.
SECTION TAKEN AT "GRADE TO DAYLIGHT"
AREAS OF ROAD AND POND.



TYPICAL POND CROSS-SECTION

N.T.S.
SECTION TAKEN AT "GRADE TO DAYLIGHT"
AREAS OF ROAD AND POND.



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**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT**

**MESA DEL SOL
INNOVATION PARK
OVERALL ROADWAY ROUGH GRADING PLAN**

Design Review Committee City Engineer Approval

Mo./Day/Yr. Mo./Day/Yr.

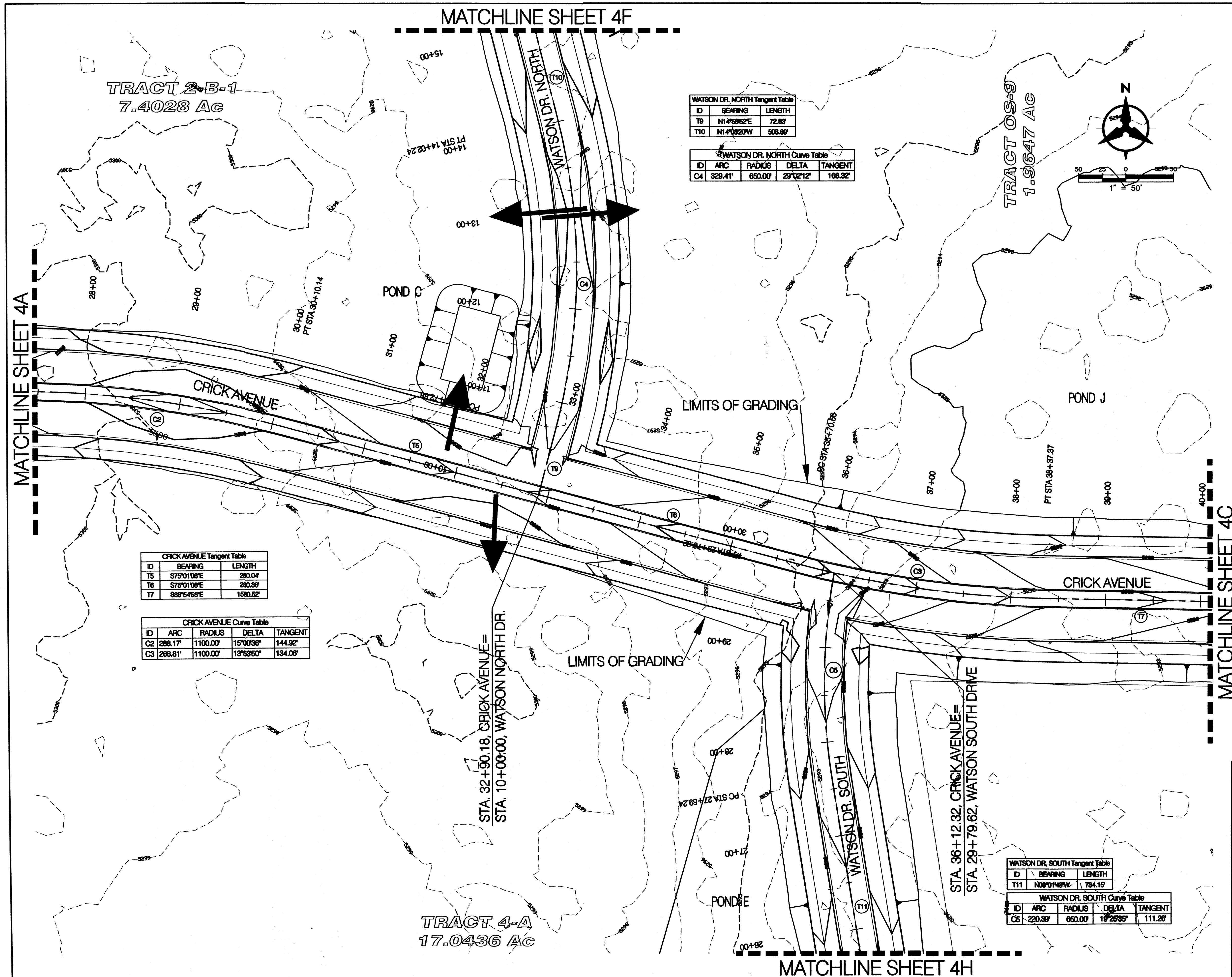
City Project No.

Zone Map No.
R-15, R-16

Sheet
Of

APR 24 2008

HYDROLOGY
SECTION



CRICK AVENUE Tangent Table

ID	BEARING	LENGTH
T5	S75°01'08"E	280.04'
T6	S75°01'08"E	280.38'
T7	S88°54'58"E	1580.82'

CRICK AVENUE Curve Table

ID	ARC	RADIUS	DELTA	TANGENT
C2	288.17'	1100.00'	15°00'38"	144.92'
C3	288.81'	1100.00'	13°53'50"	134.08'

WATSON DR. NORTH Tangent Table

ID	BEARING	LENGTH
T9	N14°58'52"E	72.83'
T10	N14°03'20"W	508.89'

WATSON DR. NORTH Curve Table

ID	ARC	RADIUS	DELTA	TANGENT
C4	328.41'	650.00'	29°02'12"	168.32'

WATSON DR. SOUTH Tangent Table

ID	BEARING	LENGTH
T11	N09°01'48"W	794.15'

WATSON DR. SOUTH Curve Table

ID	ARC	RADIUS	DELTA	TANGENT
C5	220.39'	650.00'	18°28'38"	111.28'

NOTE:
SEE POND SUMMARY TABLE, SHEET 3
FOR POND ELEVATIONS.

LEGEND

- EXISTING CURB & GUTTER
- PROPOSED MOUNTABLE CURB & GUTTER
- PROPOSED STANDARD CURB & GUTTER
- EXISTING CONTOUR W/ INDEX ELEVATION
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CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

MESA DEL SOL

INNOVATION PARK

ROADWAY ROUGH GRADING PLAN

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.		Zone Map No.	Scale

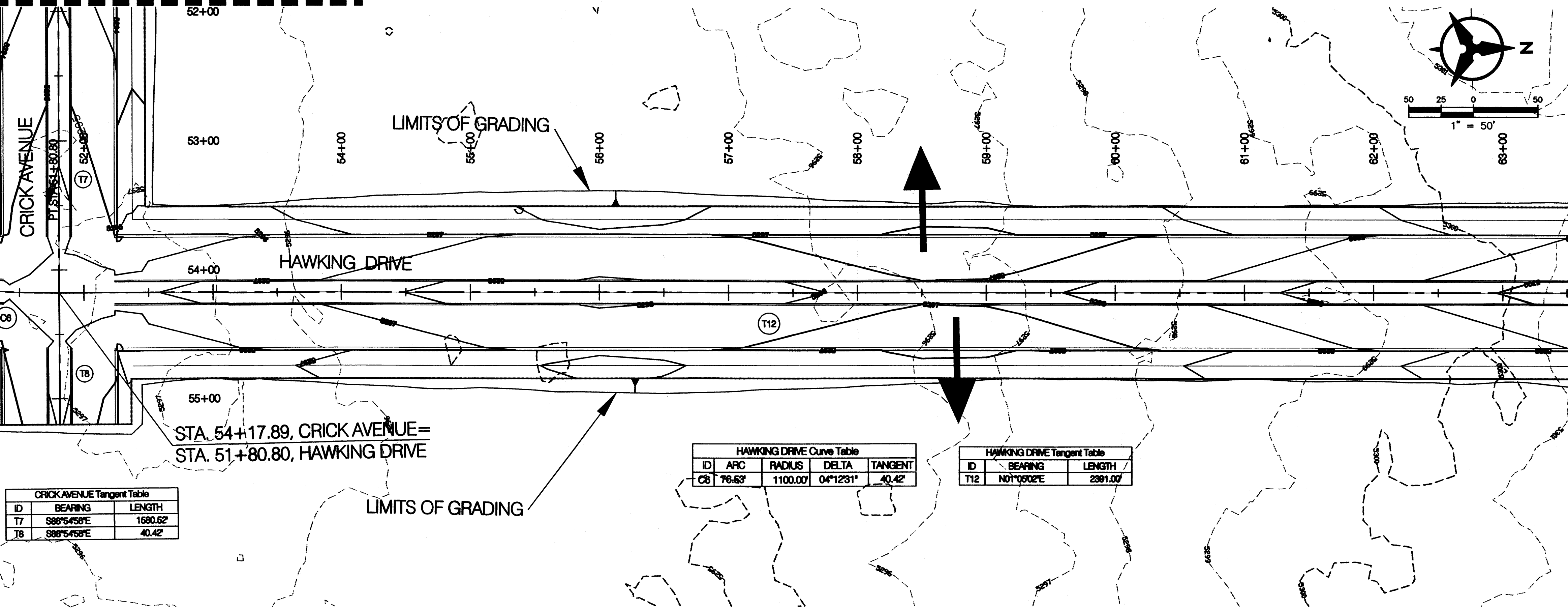
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HYDROLOGY SECTION

NOTE:
SEE POND SUMMARY TABLE, SHEET 3
FOR POND ELEVATIONS.

MATCHLINE SHEET 4C



CRICK AVENUE Tangent Table

ID	BEARING	LENGTH
T7	S88°5'45"E	1580.62'
T8	S88°5'45"E	40.42'

HAWKING DRIVE Curve Table

ID	ARC	RADIUS	DELTA	TANGENT
C8	78.63'	1100.00'	04°12'31"	40.42'

HAWKING DRIVE Tangent Table

ID	BEARING	LENGTH
T12	N01°50'02"E	2391.00'

STA. 54+17.89, CRICK AVENUE =
STA. 51+80.80, HAWKING DRIVE

- LEGEND
- EXISTING CURB & GUTTER
 - PROPOSED MOUNTABLE CURB & GUTTER
 - PROPOSED STANDARD CURB & GUTTER
 - EXISTING CONTOUR W/ INDEX ELEVATION
 - PROPOSED CONTOUR W/ INDEX ELEVATION
 - FLOW ARROW
 - PROPOSED SLOPE
 - GRADE TO DAYLIGHT

MATCHLINE SHEET 4E

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
MESA DEL SOL
INNOVATION PARK
ROADWAY ROUGH GRADING PLAN

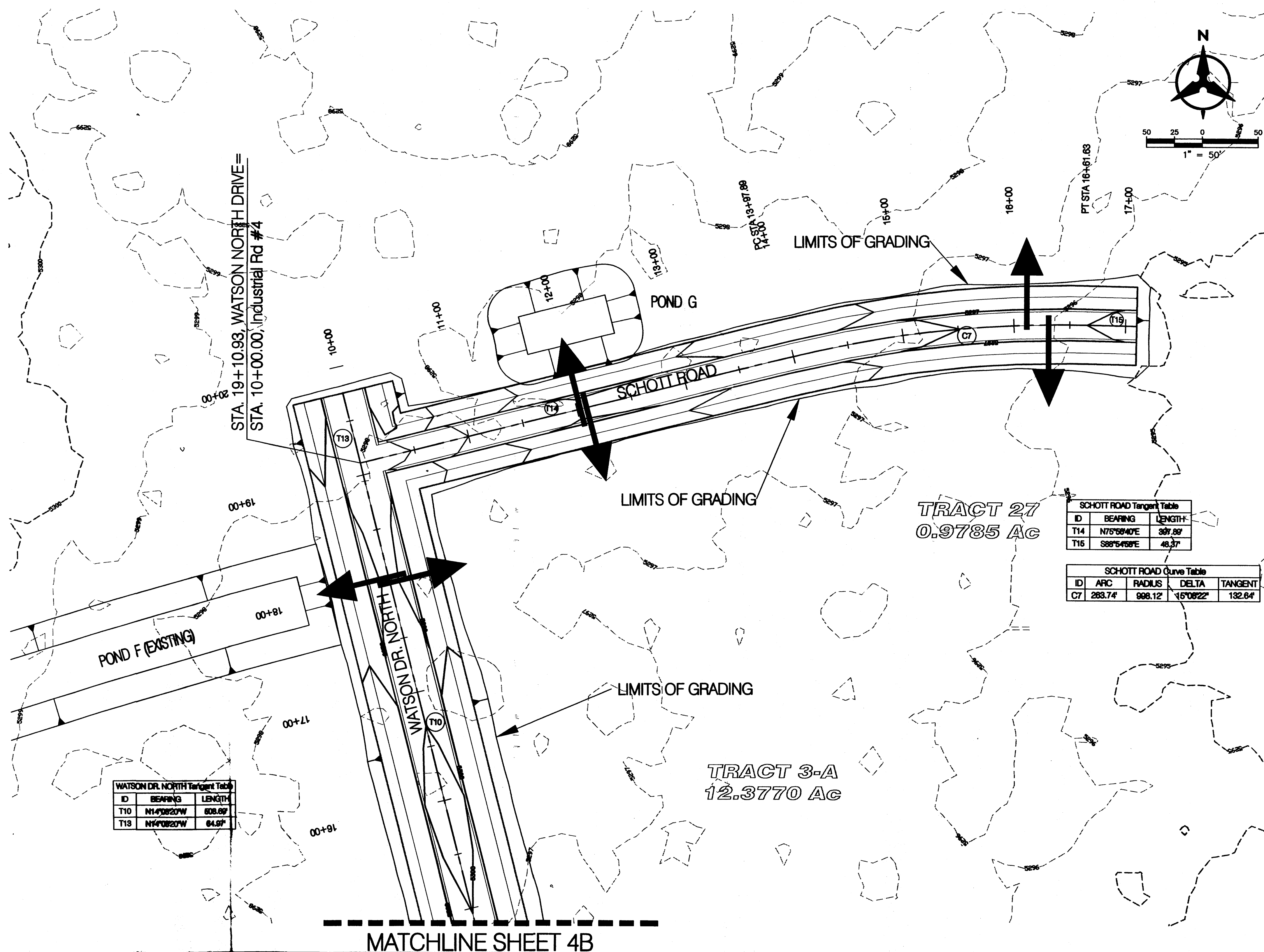
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.

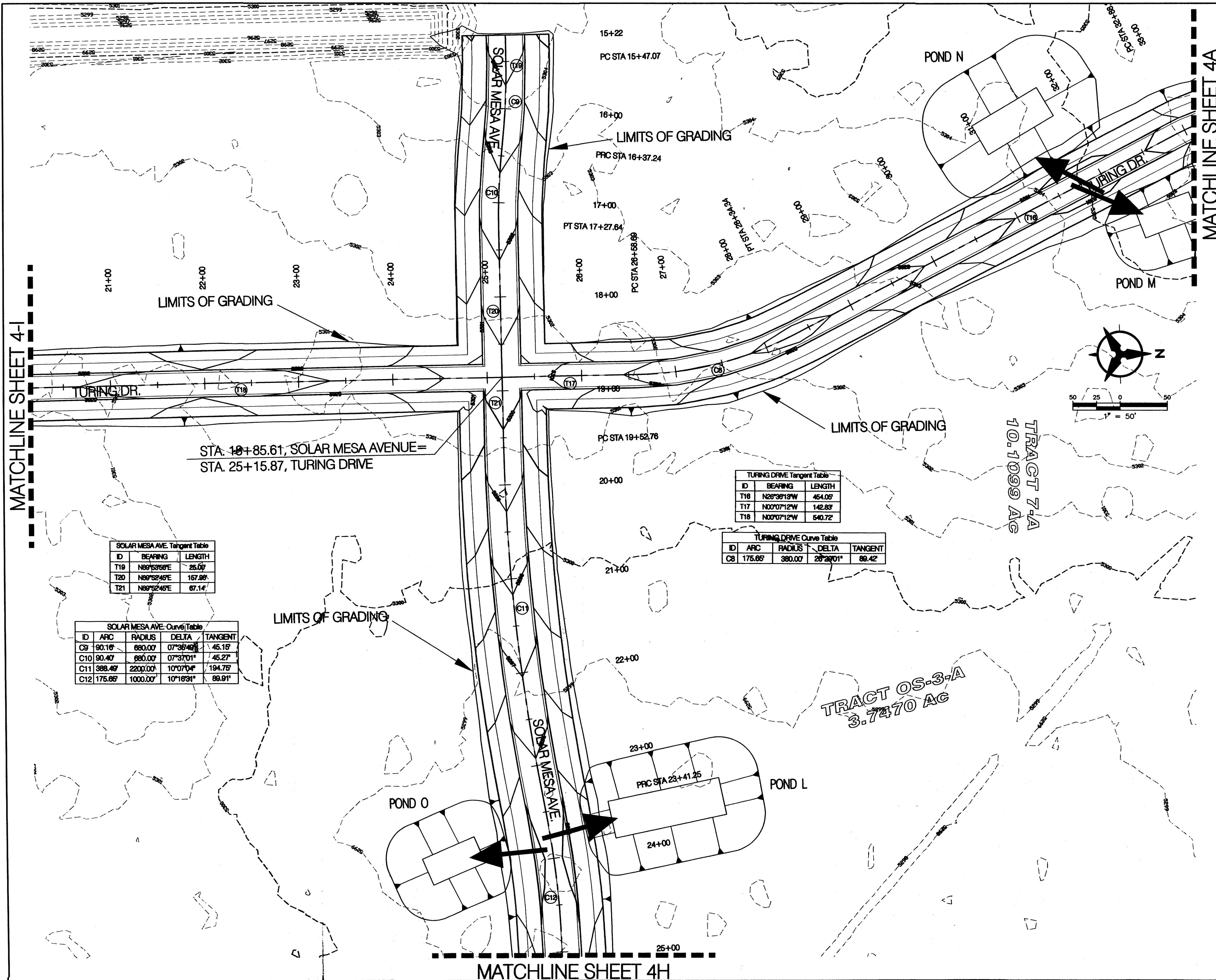
City Project No.	Zone Map No.	ST
	R-15, R-16	

REVISIONS		REMARKS	DATE
No.	Date		

Designed By: BUL	DATE: 04/17/08
Drawn By: LJM	DATE: 04/17/08
Checked By: CJS	DATE: 04/17/08

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HYDROLOGY
SECTION

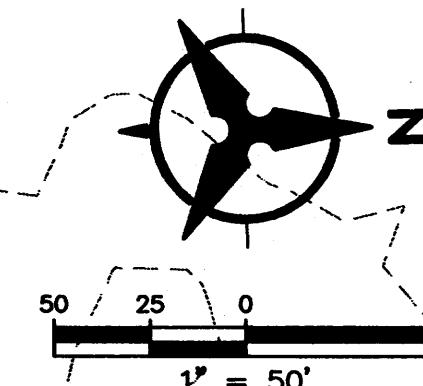




*NOTE:
SEE POND SUMMARY TABLE, SHEET 3
FOR POND ELEVATIONS.

LEGEND

- ===== EXISTING CURB & GUTTER
- ===== PROPOSED MOUNTABLE CURB & GUTTER
- ===== PROPOSED STANDARD CURB & GUTTER
- 5470 EXISTING CONTOUR W/ INDEX ELEVATION
- 5470 PROPOSED CONTOUR W/ INDEX ELEVATION
- FLOW ARROW
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- ↑ GRADE TO DAYLIGHT



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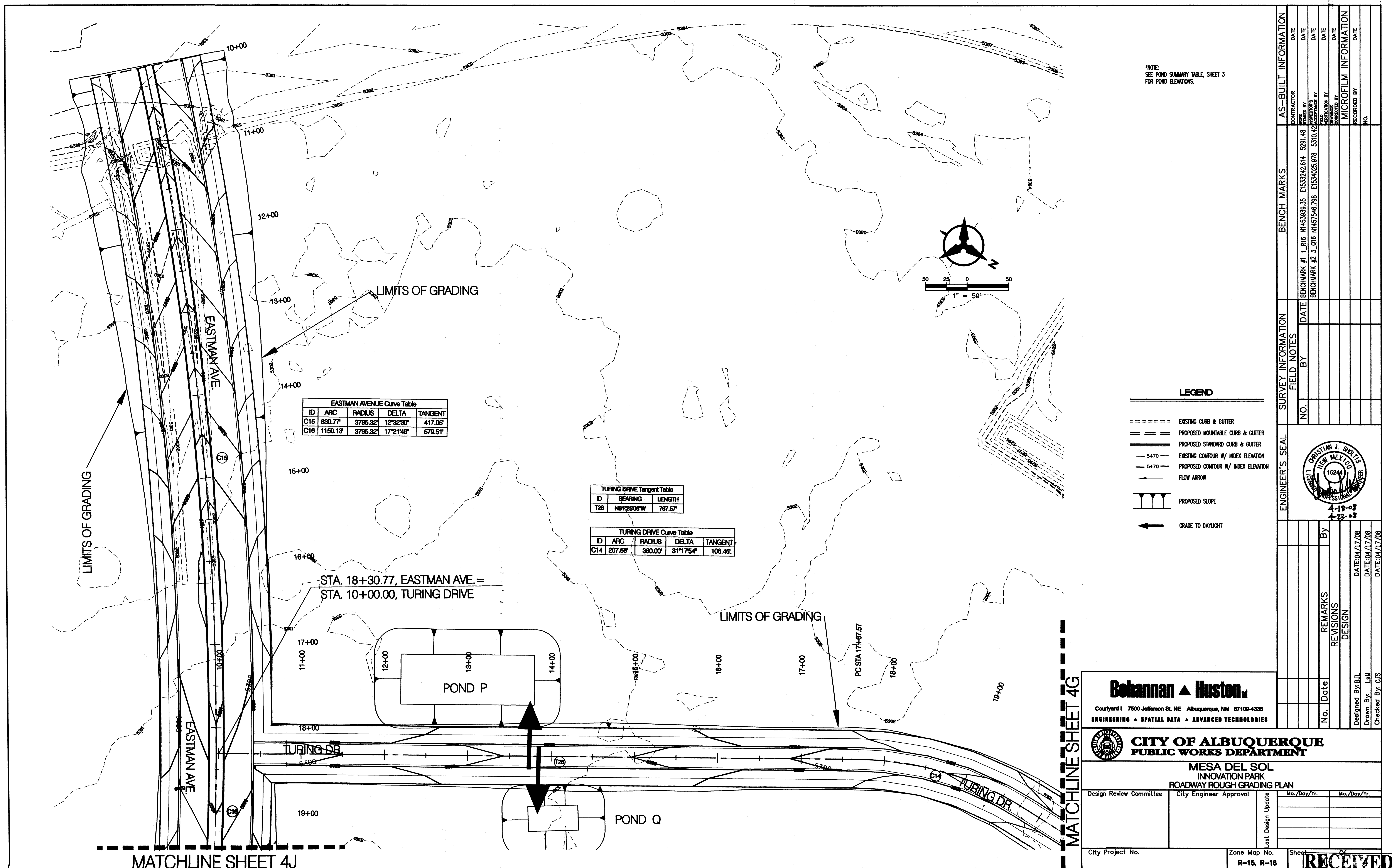


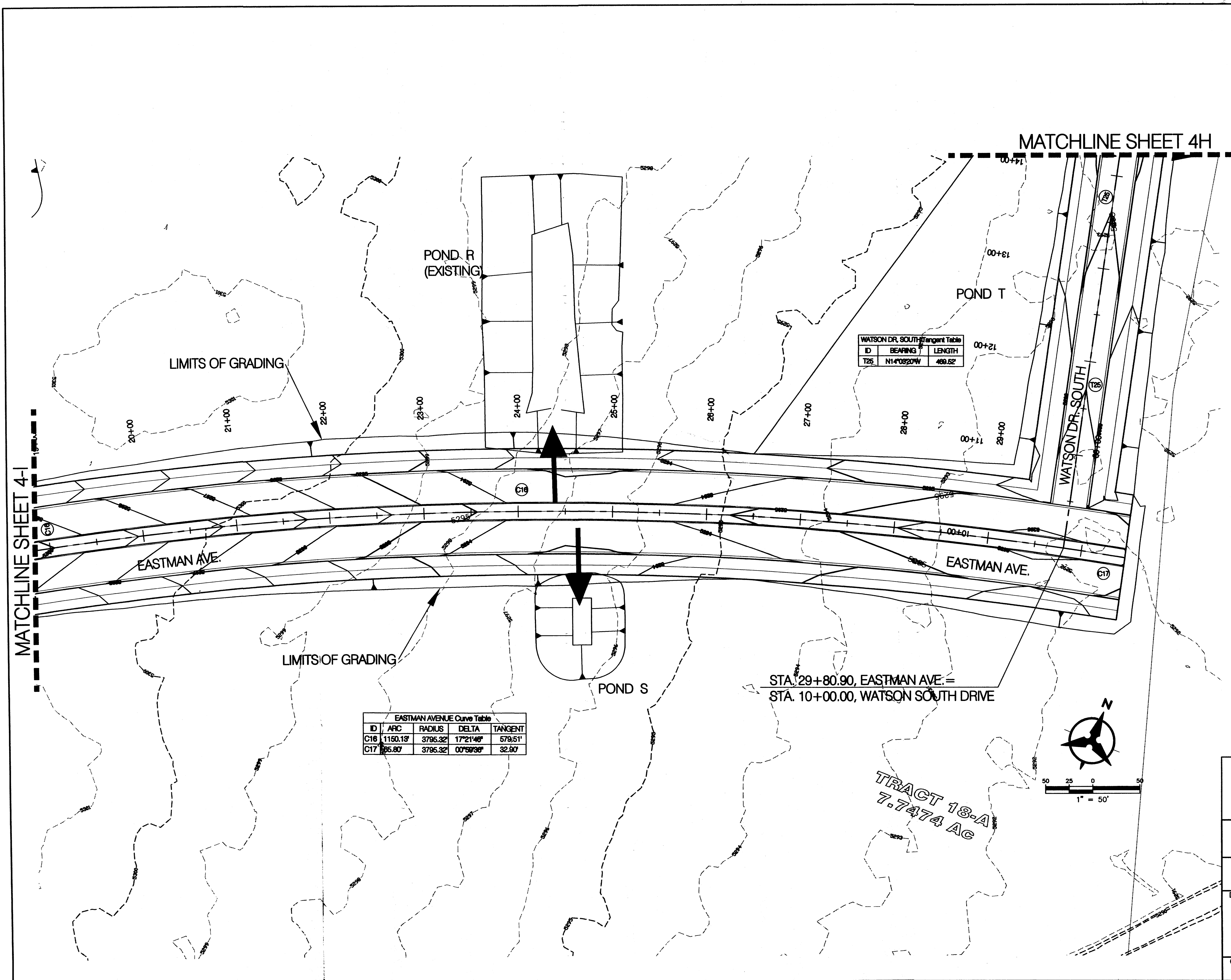
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

MESA DEL SOL
INNOVATION PARK
ROADWAY ROUGH GRADING PLAN

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.	Zone Map No.	Sheet	Of
	R-15, R-16		

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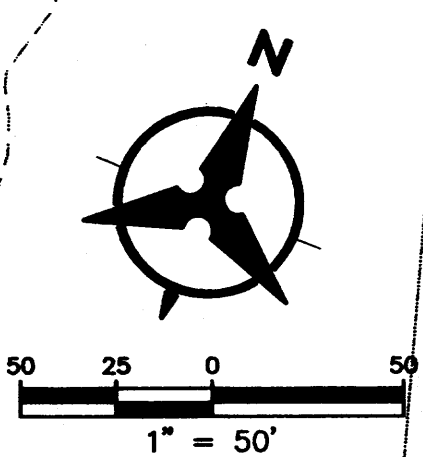


NOTE:
SEE POND SUMMARY TABLE, SHEET 3
FOR POND ELEVATIONS.

WATSON DR. SOUTH Tangent Table		
ID	BEARING	LENGTH
T25	N14°09'20"W	469.62'

EASTMAN AVENUE Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C16	1150.13'	3795.32'	17°21'46"	579.51'
C17	95.80'	3795.32'	00°59'38"	32.80'

- LEGEND**
- EXISTING CURB & GUTTER
 - == PROPOSED MOUNTABLE CURB & GUTTER
 - == PROPOSED STANDARD CURB & GUTTER
 - 5470 --- EXISTING CONTOUR W/ INDEX ELEVATION
 - 5470 --- PROPOSED CONTOUR W/ INDEX ELEVATION
 - FLOW ARROW ---
 - PROPOSED SLOPE ---
 - GRADE TO DAYLIGHT ---



Bohannon & Huston
Court yard | 7500 Jefferson St. NE | Albuquerque, NM 87109-4335
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Sheet Of

REVISIONS	By	Date
DESIGN		

REMARKS	By	Date
DESIGN		

DESIGNED BY: BJL	DATE: 04/17/08
DRAWN BY: LHM	DATE: 04/17/08
CHECKED BY: CJS	DATE: 04/17/08

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		FIELD NOTES		ENGINEER'S SEAL	
CONTRACTOR	DATE	BENCHMARK #1	DATE	BY	DATE	NO.	BY	DATE	DATE
BOHANNON & HUSTON		BENCHMARK #1	5/29/08						
INSPECTED BY	DATE	BENCHMARK #2	DATE						
RECORDED BY	DATE								
NO.									

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