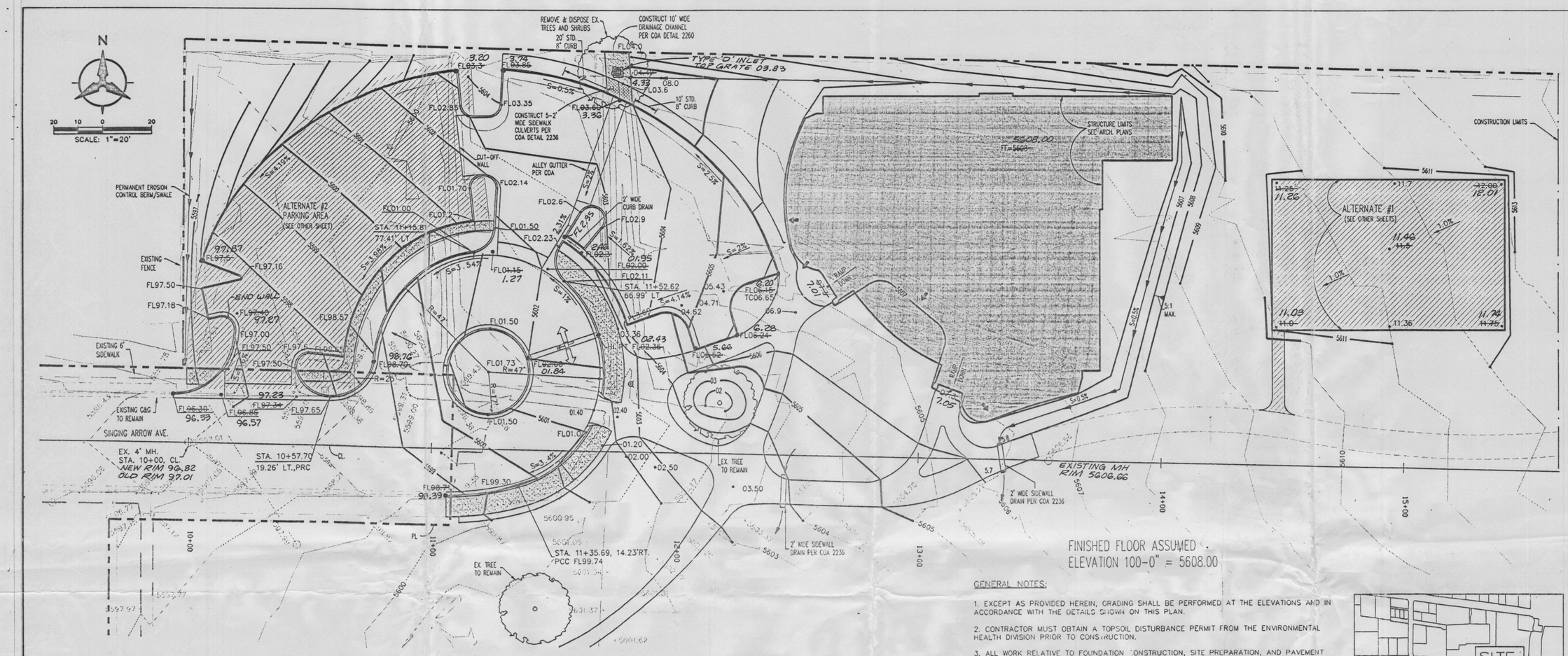


FINISHED FLOOR ASSUMED ELEVATION 100-0" = 5608.00

GENERAL NOTES:

1. EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.

2. CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.

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 CITY OF ALBUQUERQUE (COA) STANDARD SPECIFICATIONS FOR PUBLIC WORKS.

4. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE, AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.

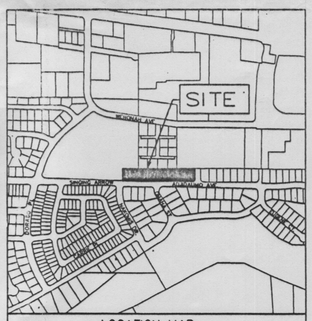
5. ALL SPOT ELEVATIONS ARE TO FLOWLINE UNLESS OTHERWISE NOTED.

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

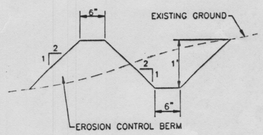
7. THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHT-OF-WAY, BY USE OF TEMPORARY EROSION CONTROL BERM/SWALE OR EQUAL.

8. SEE OTHER SHEETS FOR BUILDING FOUNDATION DETAILS.

9. ROW SHOWN AS PROVIDED BY COA SURVEY.



LOCATION MAP
ZONE ATLAS MAP NO. L-22-Z (nts)



TYPICAL EROSION CONTROL BERM/SWALE
NO SCALE

DRAINAGE CERTIFICATION: (NOTE: THIS DRAINAGE CERTIFICATION INCLUDES SHEETS 07, 07A AND 07B.)

AS-BUILT ELEVATIONS ARE SHOWN ON THE PLAN IN LOCATIONS WHERE THE ORIGINAL DESIGN ELEVATION HAS BEEN CROSSED OUT AND THE NEW ELEVATION IS LISTED. ELEVATIONS WERE PROVIDED BY JEFF MORTENSEN & ASSOCIATES, INC., PROFESSIONAL LAND SURVEYOR.

I, RICK BELTRAMO, OF BOHANNAN HUSTON INC., A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE DRAINAGE IMPROVEMENTS HAVE BEEN CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED DRAINAGE PLAN, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

RICHARD LYNN BELTRAMO NEW MEXICO 10596 REGISTERED PROFESSIONAL ENGINEER

RICK BELTRAMO, P.E.
N.M.P.E. NO. 10596

02/00/01
DATE

ROUGH GRADING (+/-0.5'):

ROUGH GRADING APPROVAL DATE

Bohannan Huston
Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

NO.	DATE	REMARKS	BY

REVISING DESIGN

DESIGN BY: CG	DATE: 8/4/98
DRAWN BY: JAJ	DATE: 8/4/98
CHECKED BY: RB	DATE: 8/4/98

AS-BUILT INFORMATION

CONTRACTOR	DATE:
SIGNED BY	DATE:
INSPECTOR'S ACCEPTANCE BY	DATE:
FIELD VERIFICATION BY	DATE:
CORRECTED BY	DATE:
MICRO-FILM INFORMATION	
RECORDED BY	DATE:
NO.	

BENCH MARKS

A.C.S. SURVEY MONUMENT "10-J21" LOCATED AT THE INTERSECTION OF EUBANK BLVD. N.E. AND INDIAN SCHOOL RD. N.E. IN THE MEDIAN ON INDIAN SCHOOL RD. N.E. IS A STANDARD A.C.S. BRASS TABLET STAMPED "10-J21" 1979 SET FLUSH WITH THE CURB (ELEV = 5466.322)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ARCHITECT/ENGINEER SEAL

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM

TITLE: SINGING ARROW NEIGHBORHOOD PARK
GRADING PLAN

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL
JUL 22 2000
CITY ENGINEER

LAST DESIGN UPDATE

	MO./DAY/YR.		MO./DAY/YR.
01	07/10/98	5	
02		6	
03		7	
04		8	

CITY PROJECT NO. 5441.93
ZONE MAP NO. L-22-Z
SHEET 07 OF 32
C1.05

BHIMAIN:[99265.CDP.GENERAL] 99265GD01.DWG

Singing Arrow
Field Design Revision #1
City Project #5441.93
Date: 07/18/00
Sheet 1/3

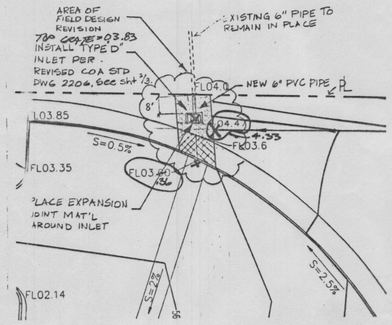
Scale: 1" = 20'

Legend
- Existing 6" PVC to remain
- Type "D" inlet
- culverts
- New 6" PVC pipes
- Area of field design revision

Instructions:
1. Cut existing 6" PVC pipe at property line.
2. Remove & dispose of existing 6" PVC south of property line (R)
3. Connect new 6" PVC to existing 6" PVC at property line and extend it 8' south of property line. Invert @ south end of pipe = 2.2
4. Build inlet at south end of pipe. Type "D". Top of grate (TG) = 3.9, Invert (INV) = 2.2
5. Place expansion joint material around inlet.
6. Contractor shall field adjust inlet to to match existing invert of drainage channel
7. New pipe shall maintain same slope as existing pipe.

Note: This Field Design Revision is intended to connect new pipe and inlet to accept flows from property north of site.

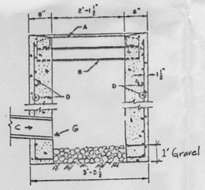
Designed by: CMG
Reviewed by: RLB



Bohannan Huston
Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

Singing Arrow
Field Design Revision #1
City Project #5441.93
Date: 07/18/00
Sheet 3/3

Note: This sheet is intended to show the revised COA std. dwg 2206. The slope downward of the incoming pipe and the flat gravel bottom are included.



GENERAL NOTES:
1. FOR SINGLE GRATE TYPE STORM INLET, DELETE CENTER SUPPORT AND MOVE ONE END WALL TO FORM NEW SINGLE GRATE INLET.
2. STORM INLET GUTTER TRANSITION WILL BE SHOWN ON THE CONSTRUCTION PLANS.
3. OUTLET PIPE SIZE, PER DESIGN REQUIREMENT.
4. FOR FRAME & GRATING, SEE DWG 2216, 2220 & 2221.
5. FOR CENTER SUPPORT ASSEMBLY, SEE DWG 2215.

CONSTRUCTION NOTES:
A. FRAME & GRATE
B. CENTER SUPPORT ASSEMBLY.
C. CUT ONE HORIZONTAL AND ONE VERTICAL BAR MAX. AT PIPE OPENING.
D. NO. 4 BARS @ 6" O.C. EACH WAY.
E. USE STANDARD STEPS, SEE DWG 2229.
~~F. CONC. FILLET, SEE NOTE 6 DWG 2001.~~
G. INVERT PER DESIGN.
H. INSTALL STEPS ON DOWNSTREAM FACE

Revised COA Storm Drain Inlet
Single "D" (Dwg 2206)

Bohannan Huston
Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

NO.	DATE

DESIGN BY: CG
DRAWN BY: JAJ
CHECKED BY: RB

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM

TITLE: SINGING ARROW NEIGHBORHOOD PARK GRADING PLAN

DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | LAST DESIGN UPDATE

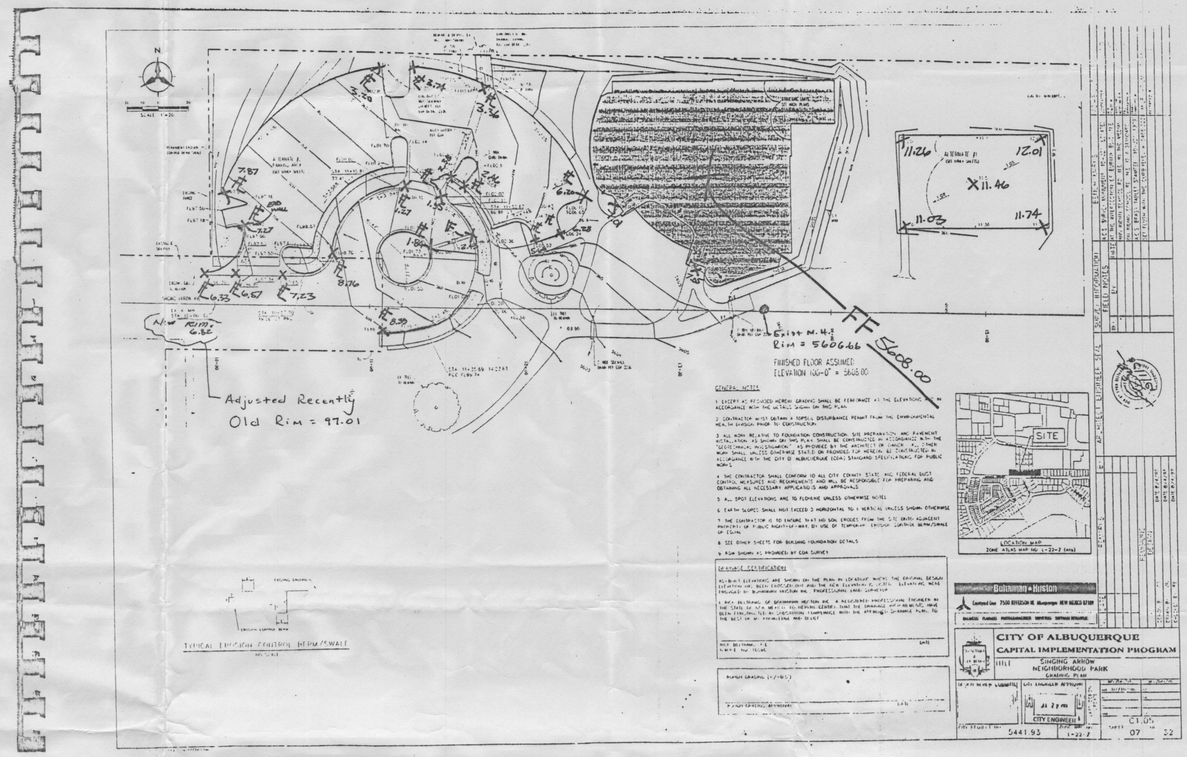
MO./DAY/YR.	MO./DAY/YR.
01 07/10/98	05
02	06
03	07
04	08

JUL 22 2000
CITY ENGINEER

CITY PROJECT NO. 5441.93 | ZONE MAP NO. L-22-Z | SHEET C1.05 OF 07 32

Singing Arrow
Field Design Revision #1
City Project #5441.93
Date: 07/18/00
Sht 3/3

Note: This sheet is intended to show the original title block of the plan sheet that is being revised per this Field Design Revision.



Arrow
vision #2
.gn
City Project # 5441.93
Date: 07/20/00
Sht 1/3

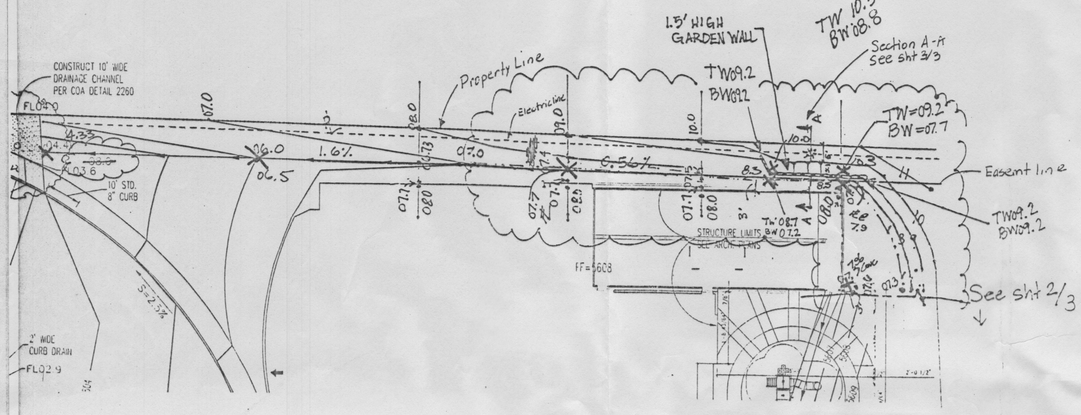
N

Scale: 1"=20'

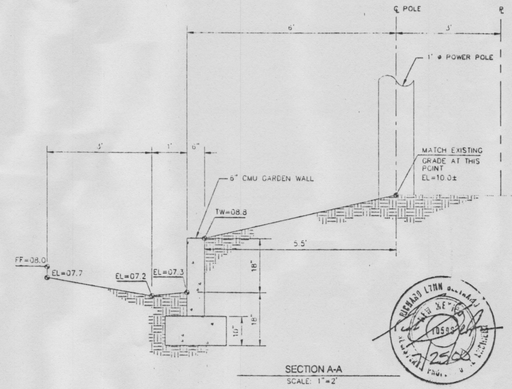
Legend

- Light pole (existing)
- Garden wall
- Areas of revision
- Electric Line
- New swale
- Easemt line

Notes
- This Field design revision is intended to define the new swale location, a garden retaining wall around existing light pole, adjusted grades
- Contractor shall insure that proposed ground slopes away from the building
- Contractor shall not exceed a 3:1 slope at any location on site



Singing Arrow
Field Design Revision #2
City Project # 5441.93
Date 07/20/00
Sht 3/3



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Bohannan Huston
Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

NO.	DATE

DESIGN BY: CC
DRAWN BY: JAJ
CHECKED BY: RB

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM

TITLE: SINGING ARROW NEIGHBORHOOD PARK GRADING PLAN

DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | CITY ENGINEER

LAST DESIGN UPDATE

MO./DAY/YR.		MO./DAY/YR.
01	07/10/98	05
02		06
03		07
04		08

CITY PROJECT NO. 5441.93 | ZONE MAP NO. L-22-Z | SHEET C1.05 OF 07 OF 32

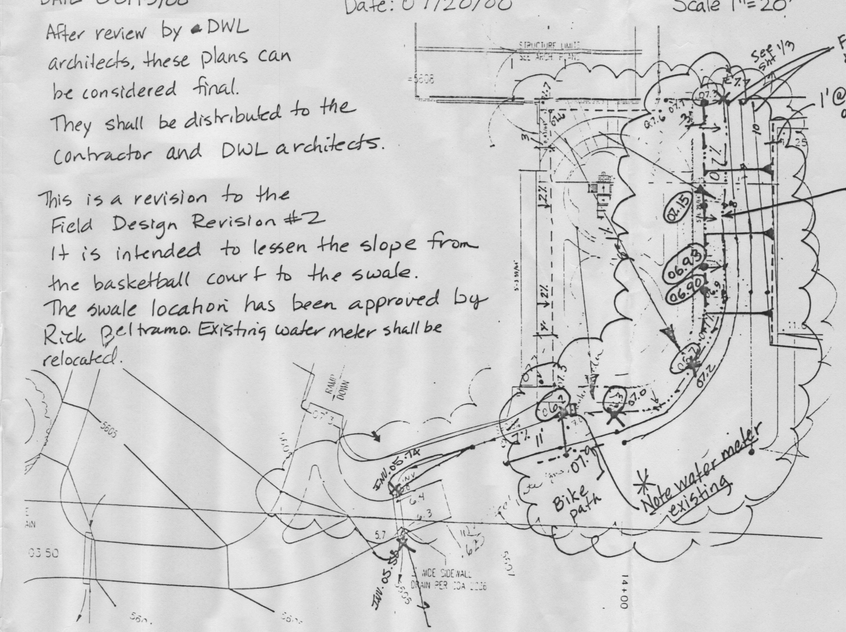
Singing Arrow
Revision to Field Design Revision #2
City Project #5441.93
Date: 07/20/00

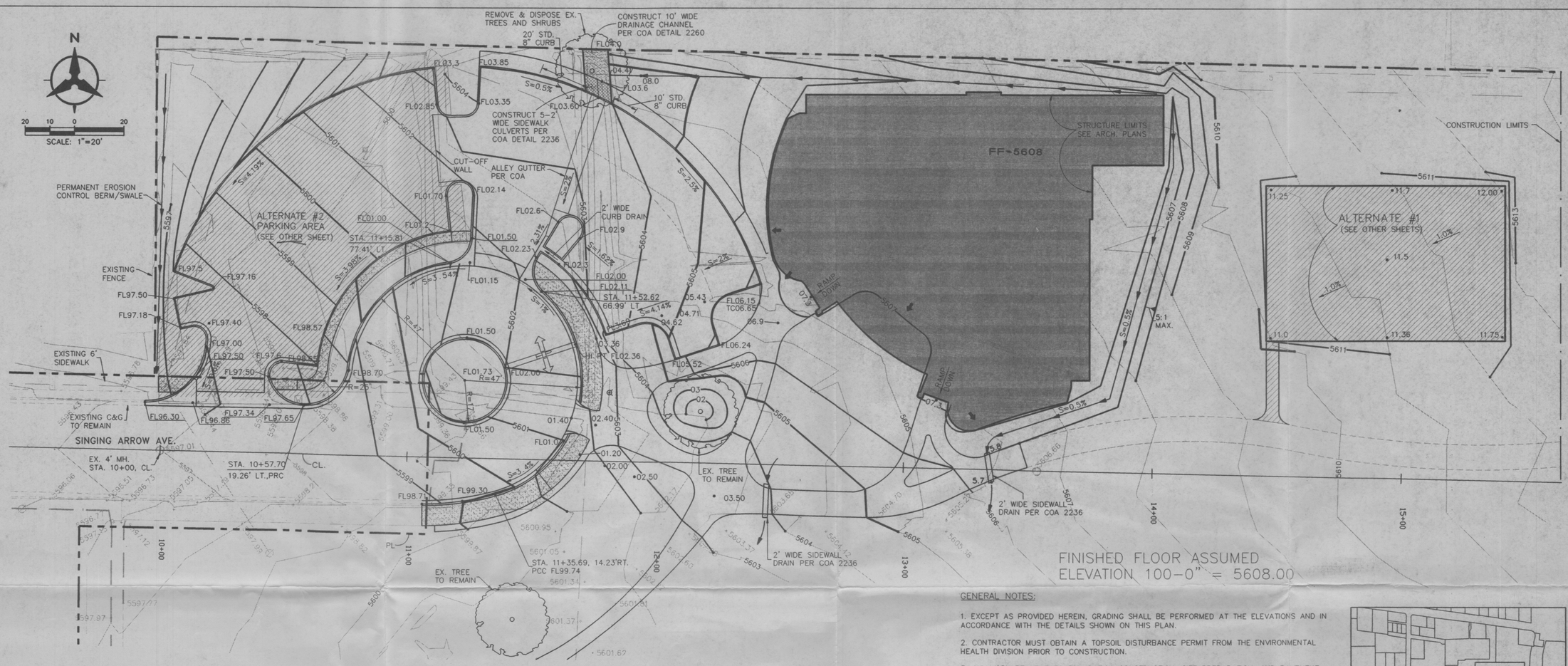
N

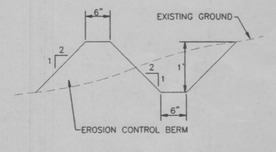
Scale 1"=20'

DATE 08/15/00
After review by DWL architects, these plans can be considered final.
They shall be distributed to the contractor and DWL architects.

This is a revision to the Field Design Revision #2
It is intended to lessen the slope from the basketball court to the swale.
The swale location has been approved by Rick Beltramo. Existing water meter shall be relocated.







TYPICAL EROSION CONTROL BERM/SWALE

NO SCALE

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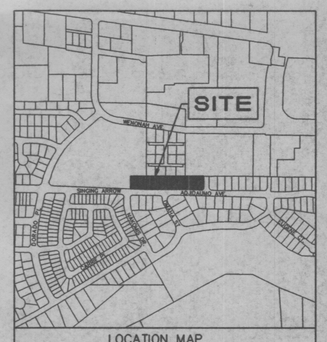
I, RICK BELTRAMO, OF BOHANNAN HUSTON INC., A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE DRAINAGE IMPROVEMENTS HAVE BEEN CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED DRAINAGE PLAN, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

RICK BELTRAMO, P.E. DATE
N.M.P.E. NO. 10596

ROUGH GRADING (+/-0.5'):

ROUGH GRADING APPROVAL DATE



LOCATION MAP
ZONE ATLAS MAP NO. L-22-Z (nts)

Bohannan ▲ Huston
Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

NO.	DATE	REMARKS	BY

REVISIONS
DESIGN
DESIGN BY: CG DATE: 8/4/98
DRAWN BY: JAJ DATE: 8/4/98
CHECKED BY: RB DATE: 8/4/98

AS-BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S CONFORMANCE BY DATE:
FIELD VERIFICATION BY DATE:
DRAWINGS CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARKS
A.C.S. SURVEY MONUMENT "10-J21" LOCATED AT THE INTERSECTION OF EUBANK BLVD. N.E. AND INDIAN SCHOOL RD. N.E. IN THE MEDIAN ON INDIAN SCHOOL RD. N.E. IS A STANDARD A.C.S. BRASS TABLET STAMPED "10-J21" 1979 SET FLUSH WITH THE CURB.(ELEV = 5466.322)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ARCHITECT/ENGINEER SEAL

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM

TITLE: SINGING ARROW NEIGHBORHOOD PARK GRADING PLAN

DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL

LAST DESIGN UPDATE

	MO./DAY/YR.		MO./DAY/YR.
01	07/10/98	05	
02		06	
03		07	
04		08	

CITY PROJECT NO. 5441.93 | ZONE MAP NO. L-22-Z | SHEET C1.05 07 OF 31

BHMAIN:[99265.CDP.GENERAL] 99265GD01.DWG

Conceptual Drainage Management Plan

I. INTRODUCTION / BACKGROUND / PURPOSE

This study analyzes on-site and off-site hydrology and hydraulics in support of the planned improvements to Singing Arrow Park. The site is located at the northeast corner of the intersection of Singing Arrow and Nakomis Drive in southeast Albuquerque, New Mexico, within Bernalillo County. The site was originally platted and shown in the location map attached. Although the map shows divided lots north and south of Adjidaumo Ave (shaded in the basin map below), the improvements are in addition to the existing park currently under construction by another project; they include landscape improvements and a bike trail. The legal description for the site is Lots 1-10, Block 1, Second Unit, Canada Village, Recorded October 6, 1953. It is zoned under RA-2.

The analysis is based on the approved report titled:
"South Eubank Area Storm Drainage Analysis", a City of Albuquerque report dated November, 1995.

Proposed improvements include:
The addition of a community center building
The extension of Singing Arrow Road into a cul-de-sac with a median in the middle
The addition of a parking lot surrounding the cul-de-sac
The addition of hared court sports facility
The relocation of an existing portable building

II. ANALYSIS

This drainage plan analyzes impacts to downstream areas that are currently known to have drainage problems. Analysis is based on utilizing the approved "South Eubank Area Storm Drainage Analysis", by revising the analysis to better reflect current basin conditions and to add proposed improvements. The drainage report determined that a Tomlinson Road storm drain is needed to correct the drainage problems in this area. This storm drain is a plan by the City, but is not programmed for funding and construction in the near future.

This analysis looks at Basin 209 and Analysis Point 25. Under existing conditions (Revised) Basin 209 generates 107 cfs versus 117 cfs per the South Eubank Report. The revisions are due to:
a) 4.6 acres do not contribute to the peak flow
b) a large portion at Basin 209 is now a park and will not be developed to a density 4-du/acre as the plat indicates

This area is an apartment complex which drains into a pond. The pond is then pumped north out-falling to Wenonah Ave and therefore does not affect peak flows. This is supported by the approved drainage report on file and by site inspections.

The two tables below have been broken into three columns, original, rivised, and proposed. The definitions of each of these are:

Original = Analysis provided by Report dated 1995
Revised = Original analysis revised to represent existing conditions as they are today and based on recent site inspections. For the purpose of comparison this is the "existing conditions" analysis.
Proposed = This analysis shows the impact of the proposed improvements with respect to the revised.

In the first table, the existing 100-year peak flow is calculated to be 107 cfs versus 119 cds from the original study. This indicates that the 12 cfs was contributed by the area which was removed. The proposed flow for basin 209 is 109 cfs versus 107 cfs for a n increase of 2cfs (2%).

In the second table, the existing 100-year flow is 213 cfs, 12 cfs less that the original flow. The proposed flow is 215 cfs, 2 cfs greater than the existing flow, an increase of 1%. This results in an increase in flow depth from existing of 0.84' to proposed of 0.85', a difference of 0.01'. This difference is negligible and does not warrant storm drain improvements.

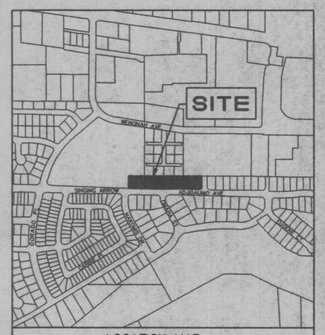
A sub-basin of .65 acres is contributes flow from the east to the community center building. A swale is designed to divert the flow of 2 cfs to a drain on the south side of this building. Below, is a basin map showing the subbasin identified as 209-A. The flow depth in the swale that protects the building is 0.47' which is significantly less that the capacity of the swale which is 0.98'.

III. CONCLUSIONS

This plan presents a thorough conceptual drainage management plan for the planned community center. The Tomlinson Road storm drain has been proposed. The new improvements listed in this report will not significantly increase the flow of this area. The existing flow into Tomlinson Road is 113 cfs and the proposed flow is 115 cfs. There is less than a 1% increase in flow between existing and proposed flow rates. The flow depth of Tomlinson Road before and after the improvements is less than 0.01' increase. The swale will protect the community center from off-site drainage. The swale is capable of handling the flow of 2 cfs. This report conforms to the Bernalillo drainage requirements. It is recommended that these improvements be added to this site due to no significant impact to the existing condition of this site.

p:[99265.cdp.reports] concetual drng mngmt plan.rtf

LEGAL DESCRIPTION
Lots 1-10, Block 1
Second Unit
Canada Village
Recorded October 6, 1953



LOCATION MAP
ZONE ATLAS MAP NO. L-22-Z (nts)

EXISTING CONDITIONS (SOUTH EUBANK AREA STORM DRAINAGE ANALYSIS)

BASIN	AREA	% IMPERVIOUS	LAND TREATMENT					TC	Q100
	(SQ. MI)	%	%	A	B	C	D	(HRS)	(CFS)
209	37.1	62		10	21	7	62	0.133	119

EXISTING CONDITIONS (PER THIS STUDY)

BASIN	AREA	% IMPERVIOUS	LAND TREATMENT					TC	Q100
	(SQ. MI)	%	%	A	B	C	D	(HRS)	(CFS)
209	32	34.3		0	59	7	34	0.133	107
AP#25	80.5	61.0		8	34.9	7.7	61	0.133	213

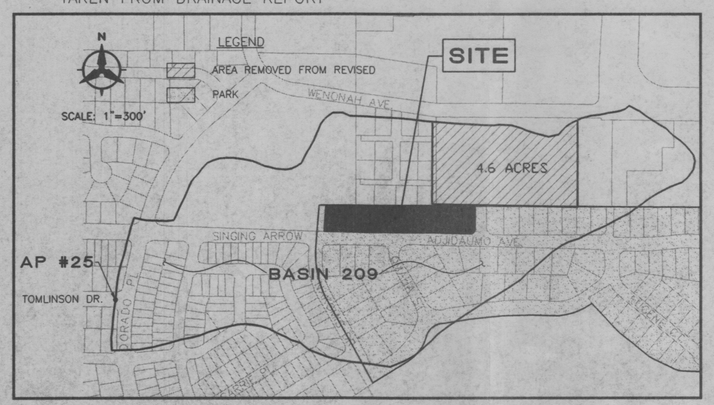
PROPOSED CONDITIONS (PER THIS STUDY)

BASIN	AREA	% IMPERVIOUS	LAND TREATMENT					TC	Q100
	(SQ. MI)	%	%	A	B	C	D	(HRS)	(CFS)
209	32	37.2		0	56	7	37	0.133	107
AP#25	80.5	61.9		8	34.8	7.8	61.9	0.133	215

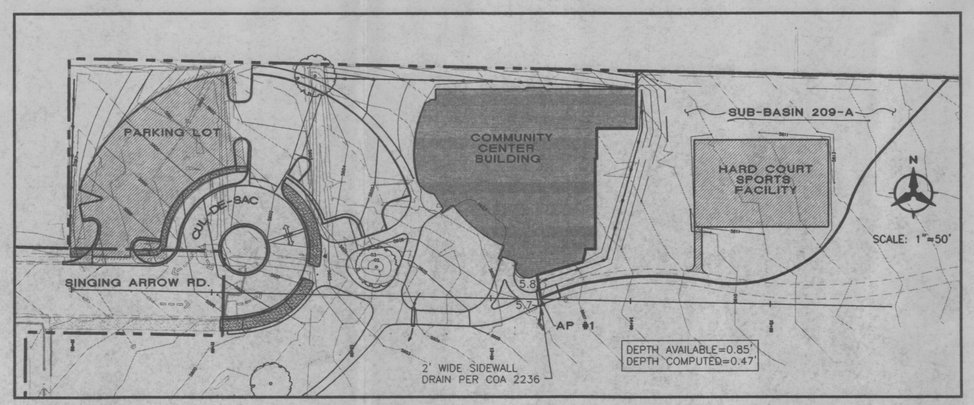
BASIN 209	ORIGINAL	EXISTING	PROP.
AREA (ACRES)	36.9*	32.1	32.1
% IMPERVIOUS	62.0*	34.3	37.2
100 YR. (CFS.)	119*	107	109

ANALYSIS POINT 25	ORIGINAL	EXISTING	PROP.
AREA (ACRES)	80.5	75.9	75.9
100 YR. (CFS.)	225.2	113.0	115.0
FLOW DEPTH (FT.)	-	0.84	0.85

* TAKEN FROM DRAINAGE REPORT



BASIN MAP AND PARAMETERS REVISED FROM STUDY BY THE CITY OF ALBUQUERQUE TITLED "SOUTH EUBANK AREA STORM DRAINAGE ANALYSIS", DATED NOVEMBER 1995.



SUB-BASIN 209-A

AS-BUILT INFORMATION
CONTRACTOR: DATE:
WORK STAKED BY: DATE:
INSPECTOR'S ACCEPTANCE BY: DATE:
FIELD VERIFICATION BY: DATE:
DRAWINGS CORRECTED BY: DATE:
MICRO-FILM INFORMATION
RECORDED BY: DATE:
NO.

BENCH MARKS
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SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ARCHITECT/ENGINEER SEAL

NO.	DATE	REMARKS	BY

REVISIONS
DESIGN
DESIGN BY: CG DATE: 8/4/98
DRAWN BY: JAJ DATE: 8/4/98
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Bohannan ▲ Huston
Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM

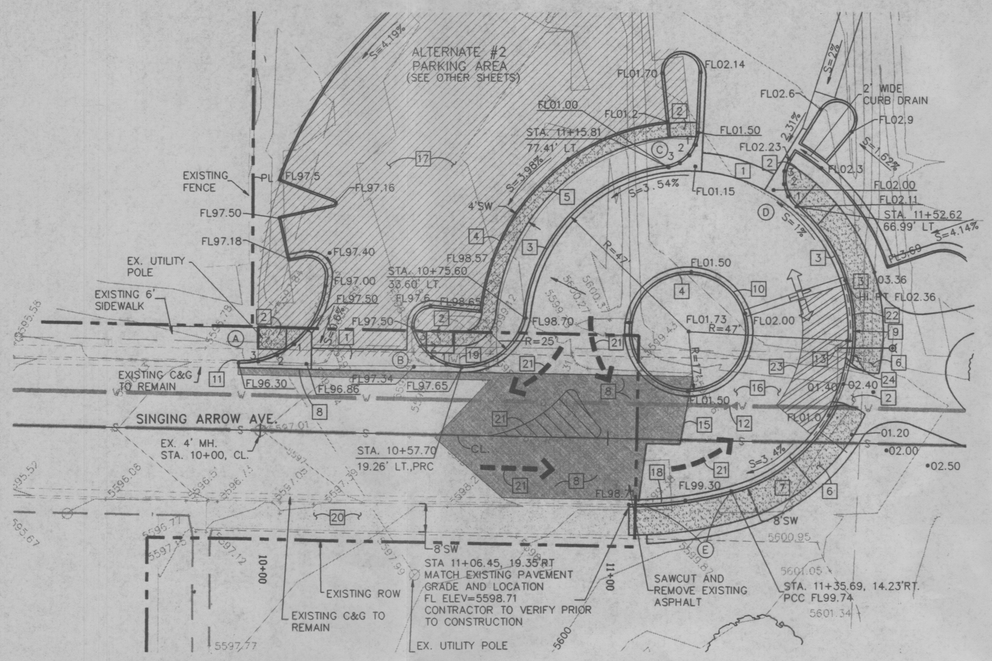
TITLE: SINGING ARROW NEIGHBORHOOD PARK DRAINAGE PLAN

DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | LAST DESIGN UPDATE 07/10/98

MO./DAY/YR.	MO./DAY/YR.
01	05
02	06
03	07
04	08

CITY PROJECT NO. 5441.93 | ZONE MAP NO. L-22-Z

BHIMAIN:[99265.CDP.GENERAL] 99265DP01.DWG



	TC	FL
1	97.90	97.23
2	97.60	96.93
3	97.30	96.63

Δ=52°27'12"
R=25.17'
L=23.04'

	TC	FL
1	98.28	97.61
2	98.25	97.58
3	98.23	97.56

Δ=69°44'15"
R=15.17'
L=18.46'

	TC	FL
1	02.07	01.47
2	01.95	01.28
3	01.82	01.16

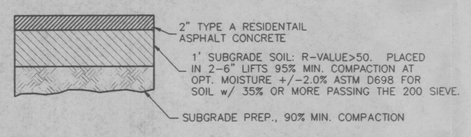
Δ=76°10'16"
R=10.67'
L=14.18'

	TC	FL
1	02.85	02.18
2	02.80	02.13
3	02.75	02.08

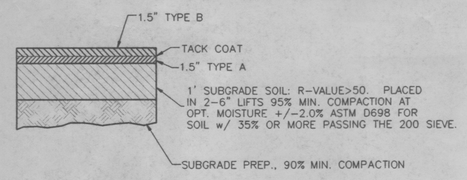
Δ=80°27'00"
R=10.67'
L=14.98'

CURVE DATA

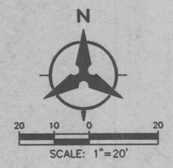
CB=N82°36'44"E
CH=29.59'
L=29.67'
R=115.05'



PARKING LOT
PAVEMENT SECTION
NOT TO SCALE
PER COA 2405
(FLEXIBLE PAVEMENT SECTION)



SINGING ARROW
PAVEMENT SECTION
NOT TO SCALE
PER COA 2405
(FLEXIBLE PAVEMENT SECTION)



NOTES

1. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
2. GRADE ELEVATIONS, WHERE NOTED, ARE FOR FLOWLINE OF CURB UNLESS OTHERWISE SPECIFIED.
3. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
4. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
5 CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
6. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
7. ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER), PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS' EXPENSE.
8. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
9. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.
10 STATIONING BASED ON CENTERLINE STATIONING SET FOR CITY PROJECT #5441.92
11 ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED W/ PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
12 SEE ENLARGED SITE PLAN FOR PARKING LOT LAYOUT AND DIMENSIONS.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

[X] BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
[X] TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
[X] SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.

KEYED NOTES

1. BUILD CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420
2. BUILD WHEELCHAIR RAMP AS PER STD. DWG. 2441, CASE II WITH ALTERNATE SECTION AA
3. BUILD STD. CURB & GUTTER AS PER STD. DWG. 2415
4. BUILD MEDIAN CURB & GUTTER AS PER STD. DWG. 2415
5. BUILD 4' SIDEWALK
6. BUILD 8' SIDEWALK
7. REMOVE AND DISPOSE RT. EX. SIDEWALK AND BOLLARDS.
8. SAWCUT AND REMOVE EX. PAVEMENT, 2' MIN. WIDTH CLEAR TO NEW GUTTER.
9. BUILD 47'R STD. TYPE CURB & GUTTER. CENTER OF CUL-DE-SAC AT STA. 11+22.53, 30.89' LT. (CENTER OF CUL-DE-SAC)
10. BUILD 17'R F-F STD. TYPE CURB & GUTTER. CENTER OF CUL-DE-SAC AT STA. 11+22.53, 30.89' LT. (CENTER OF ISLAND)
11. STA. 9+93.41, 19.17' LT. MATCH EXISTING PAVEMENT GRADE AND LOCATION FL ELEV.=5596.35 CONTRACTOR TO VERIFY PRIOR TO CONSTRUCTION.
12. STA. 11+35.00, 10' LT. ADJUST EXISTING VALVE TO NEW PAVEMENT GRADE.
13. STA. 11+65.00, 17' LT. REMOVE EXISTING FIRE HYDRANT INSTALL 6"-90° BEND 20'-6" PVC CLASS C-900 WATERLINE. REINSTALL FIRE HYDRANT AT STATION 11+85.00, 17' LT. w/ ALL JOINTS RESTRAINED. FLANGE ELEVATION=03.40
14. STA. 12+70.00, 10' LT. EXISTING 10' LT. 4" WATERLINE AND ELECTRONIC MARKER DISK.
15. EXISTING PAVEMENT TO BE REMOVED AND DISPOSED.
16. NEW PAVEMENT AS PER SINGING ARROW PAVEMENT SECTION ON THIS SHEET.
17. NEW PAVEMENT AS PER PARKING LOT PAVEMENT SECTION ON THIS SHEET.
18. STA. 11+06.45, 18.69' RT. TO STA. 11+35.94, 14.23' RT. BUILD 115.05' RADIUS CUL-DE-SAC, STD. CURB AND GUTTER.
19. ADJUST EXISTING WATER METER LOCATION TO NE CURBS
20. EXISTING SIDEWALK TO REMAIN
21. PAVEMENT MARKING TO INDICATE MEDIAN AND TRAFFIC DIRECTION.
22. CURB PAINTED RED TO INDICATED FIRE LANE. (-----)
23. 3" WIDE PAVEMENT STRIPES/MARKINGS TO INDICATE DROP-OFF ZONE AND FIRE LANE ZONE.
24. "NO PARKING ANYTIME" SIGN.

AS-BUILT INFORMATION
CONTRACTOR — DATE:
WORK STAKED BY — DATE:
INSPECTOR'S ACCEPTANCE BY — DATE:
FIELD VERIFICATION BY — DATE:
DRAWINGS CORRECTED BY — DATE:
MICRO-FILM INFORMATION
RECORDED BY — DATE:
NO.

BENCH MARKS
A.C.S. SURVEY MONUMENT "10-J21" LOCATED AT THE INTERSECTION OF EUBANK BLVD. N.E. AND INDIAN SCHOOL RD. N.E. IN THE MEDIAN ON INDIAN SCHOOL RD. N.E. IS A STANDARD A.C.S. BRASS TABLET STAMPED "10-J21" 1979" SET FLUSH WITH THE CURB.(ELEV = 5466.322)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ARCHITECT/ENGINEER SEAL

NO.	DATE	REMARKS	BY

REVISIONS
DESIGN
DESIGN BY: CG — DATE: 8/98
DRAWN BY: JAJ — DATE: 8/98
CHECKED BY: RB — DATE: 8/98

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CAPITAL IMPLEMENTATION PROGRAM

TITLE: SINGING ARROW NEIGHBORHOOD PARK
SINGING ARROW AVE. PUBLIC PAVING AND WATER PLAN

DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | LAST DESIGN UPDATE

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CITY PROJECT NO. 5441.93 | ZONE MAP NO. L-22-Z | SHEET C1.06 OF 08 31

BHIMAIN:[99265.CDP.PNP] 99265PPNP01.DWG