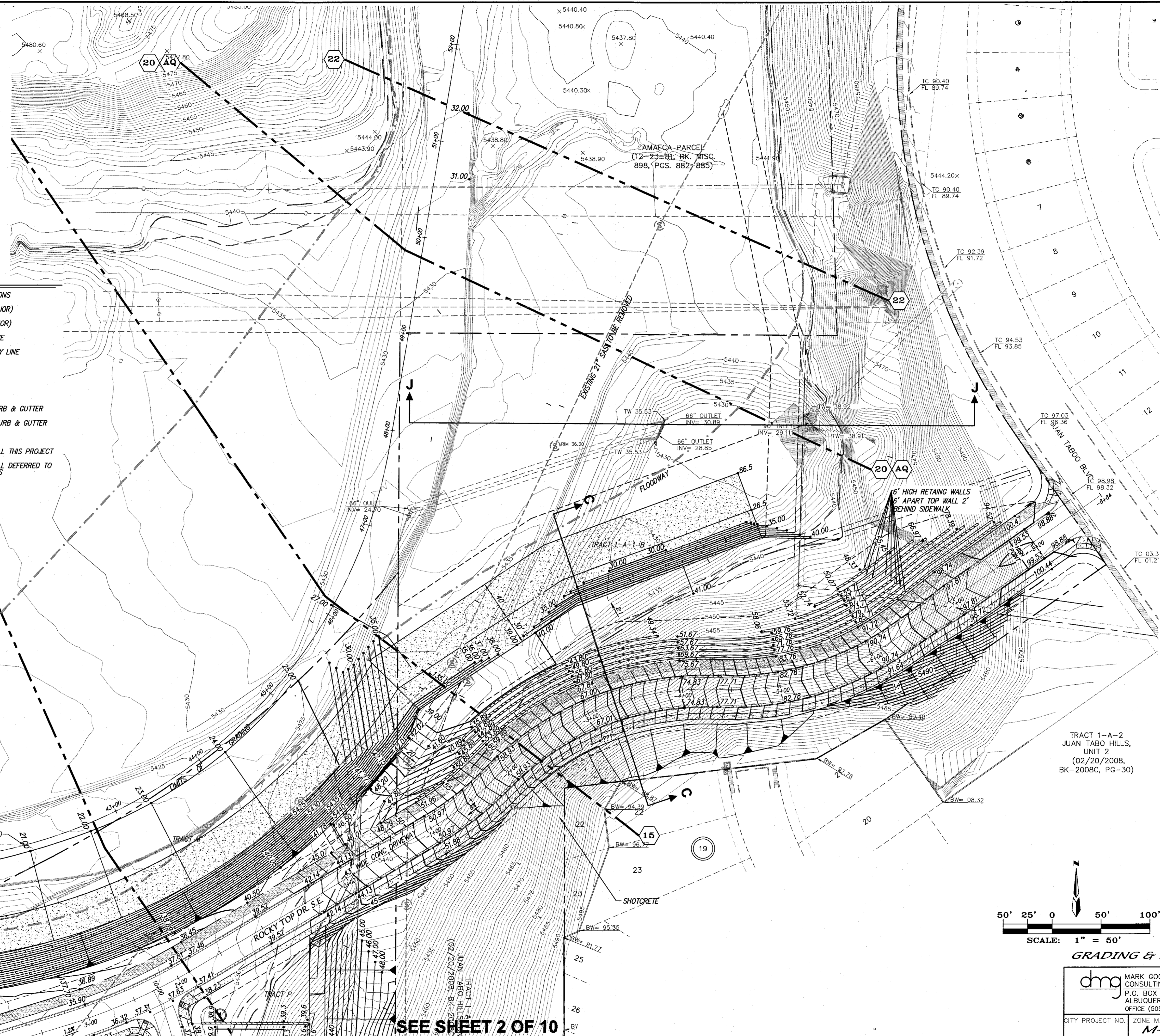


VICINITY MAP ZONE MAP: M-21

LEGEND

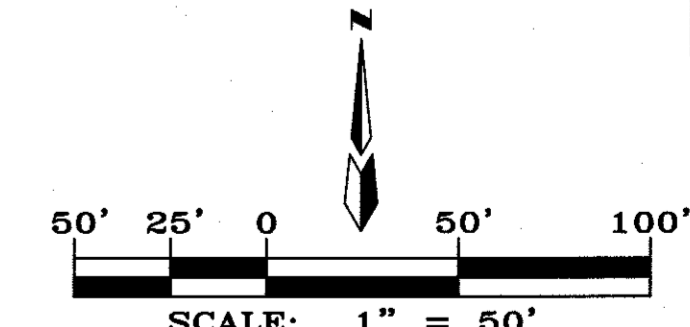
EXIST. HANDRAIL	• 29.29	NEW SPOT ELEVATIONS
EXIST. CONCRETE CURB	— 5390 —	NEW CONTOUR (MAJOR)
EXIST. CONCRETE/SIDEWALK	— 5386 —	NEW CONTOUR (MINOR)
EXIST. WALL OR HEAD WALL	— — —	NEW BOUNDARY LINE
EXIST. TOP CURB/FLOWLINE	— — —	NEW RIGHT-OF-WAY LINE
EXIST. SPOT ELEV.	— — —	NEW LOT LINE
EXIST. GUY WIRE	— — —	NEW CENTERLINE
EXIST. MONITOR WELL	— — —	NEW EASEMENT
EXIST. OVERHEAD ELECTRIC	— — —	NEW STANDARD CURB & GUTTER
EXIST. POWER POLE	— — —	NEW MOUNTABLE CURB & GUTTER
EXIST. SANITARY SEWER MANHOLE	— — —	NEW SIDEWALK
EXIST. STORM DRAIN MANHOLE	— — —	NEW RETAINING WALL THIS PROJECT
EXIST. WATER VALVE	— — —	NEW RETAINING WALL DEFERRED TO THE HOME BUILDERS
EXIST. WATER METER	— — —	

---	LIMITS 100 YEAR FLOOD PLAIN
---	LIMITS 500 YEAR FLOOD PLAIN
---	LIMITS OF FLOODWAY
---	LIMITS AO ZONE
ⓑ	BLOCK NUMBER INDENTITY



SEE SHEET 6 OF 10

SEE SHEET 2 OF 10



GRADING & DRAINAGE PLAN

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
OFFICE (505) 828-2200, FAX (505) 797-9539

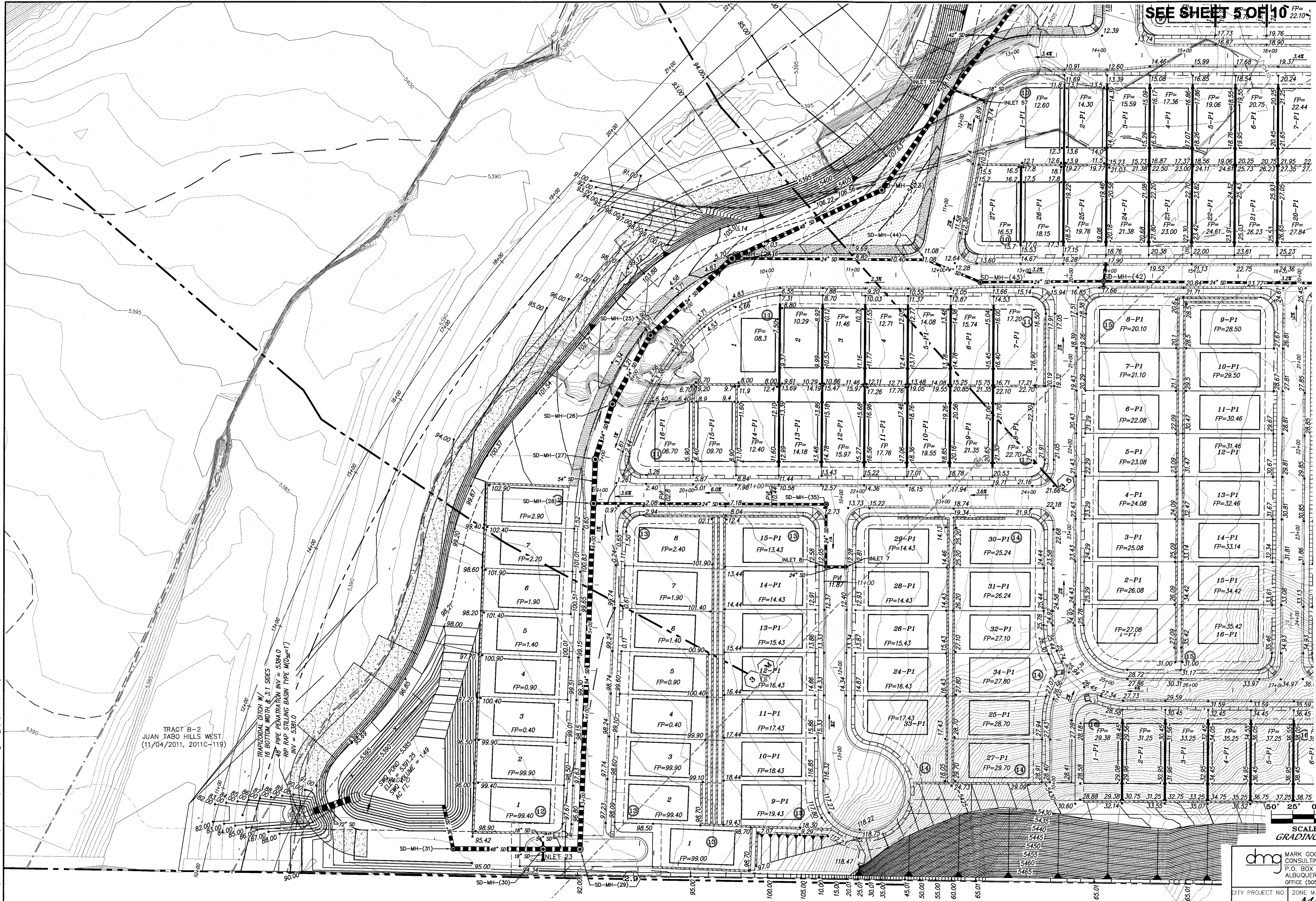
CITY PROJECT NO. ZONE MAP NO. SHEET OF
M-21-Z 1 10

AS BUILT INFORMATION	
CONTRACTOR	DATE
STAKED BY	DATE
INSPECTOR'S	DATE
FIELD DISTANCE BY	DATE
VERIFICATION BY	DATE
CORRECTED BY	DATE
MICRO-FILM INFORMATION	DATE
RECORDED BY	DATE
NO.	NO.

BENCH MARKS	
STATION "5-422" IS LOCATED 8.7 MI. SE OF DOWNTOWN ALBUQUERQUE	
ON THE EAST SIDE OF THE MUNICIPAL LIMITS LINE IN THE FOUR HILLS	
SUBDIVISION AREA. STATION IS 600 FT. EAST OF MUNICIPAL LIMITS LINE,	
77.9' SE OF POWER POLE #637 & 186.0' NW OF POWER POLE #60.	
STATION IS A STANDARD ACS BRASS DISK SET IN A CONCRETE	
MONUMENT IN THE GROUND. STATION IS STAMPED "5-422".	
X= 1,864,263.207, Y= 1,475,762.565, (NAD 83), Z= 5597.219 (NAD 1989).	

SURVEY INFORMATION	
DATE	BY
NO.	NO.

ENGINEER'S SEAL	
REMARKS	BY
DESIGN	DATE 01/17
REVISIONS	DATE 01/17
DESIGNED BY JGH	DATE 01/17
DRAWN BY ACH	DATE 01/17
CHECKED BY DMG	DATE 01/17



SEE SHEET 5 OF 10

TRACT B-2
JUAN TABO HILLS WEST
(11/04/2011, 2011C-119)

TRAPEZOIDAL DITCH W/
16' BOTTOM WIDTH & 3:1 SIDES
24" PIPE PERMATION INV = 5384.0
RIP RAP STILLING BASIN TYPE M10₅₀(1)
INV = 5381.0

30W PUMP
ELEV = 5391.25
30W PUMP
AG. FT. DIM = 1.40

SCALE: 1" = 50'
GRADING & DRAINAGE PLAN

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CITY PROJECT NO. ZONE MAP NO. SHEET OF
M-21-Z 4 10

AS BUILT INFORMATION		CONTRACTOR		DATE	
STATION 5+422"	LOCATED 8.7 MI. SE OF DOWNTOWN ALBUQUERQUE	ALBUQUERQUE	DATE	DATE	DATE
ON THE EAST SIDE OF THE MUNICIPAL LIMITS LINE IN THE FOUR HILLS	STATION IS 600 FT. EAST OF MUNICIPAL LIMITS LINE.	INSPECTOR'S	DATE	DATE	DATE
77.9' SE OF POWER POLE #537 & 186.0' NW OF POWER POLE #60.	STATION IS A STANDARD ACS BRASS DISK SET IN A CONCRETE	FIELD BY	DATE	DATE	DATE
	MONUMENT IN THE GROUND. STATION IS STAMPED "5-W22"	VERIFICATION BY	DATE	DATE	DATE
	MONUMENT IN THE GROUND. STATION IS STAMPED "5-W22"	CORRECTED BY	DATE	DATE	DATE
	NO. 1,584,263,207, Y= 1,475,762,985, (MAD 83), Z= 5597,219 (MAD 1988)	MICRO-FILM INFORMATION	RECORDED BY	DATE	NO.

FIELD NOTES		BY		DATE	
NO.	NO.	BY	DATE	BY	DATE

REVISIONS		DATE	
NO.	DATE	BY	DATE
DESIGNED BY JGH	DATE 01/17		
DRAWN BY ACH	DATE 01/17		
CHECKED BY DMG	DATE 01/17		



2-21-2017

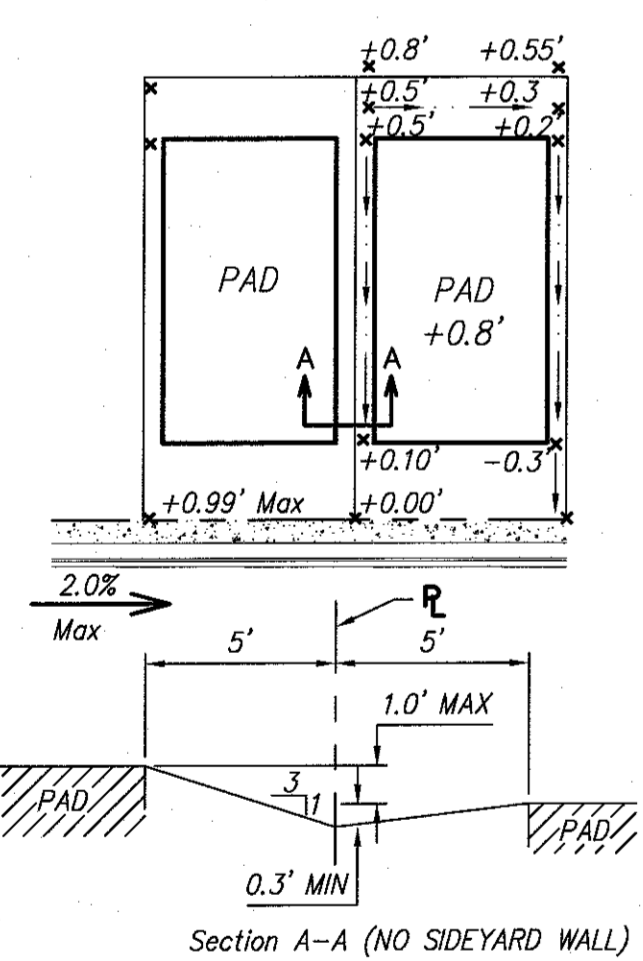
GRADING NOTES:

1. THE CONTRACTOR(S) MUST COMPLY WITH NPDES TEMPORARY CONSTRUCTION REQUIREMENTS AND OBTAIN A PERMIT. CONTRACTOR SHALL ALSO PROVIDE A COPY OF THE APPLICATION FOR PERMIT AND NOTICE OF TERMINATION TO THE OWNER.
2. THE CONTRACTOR(S) IS RESPONSIBLE FOR PREPARING AND MAINTAINING A SWPPP FOR THE DURATION OF INFRASTRUCTURE CONSTRUCTION AND UNTIL THE CITY OF ALBUQUERQUE ACCEPTS THE PUBLIC INFRASTRUCTURE. CONTRACTOR SHALL PROVIDE THE OWNER WITH A COPY OF THE SWPPP AT THE BEGINNING OF THE PROJECT AND AT THE TIME OF NOTICE OF TERMINATION.
3. THE CONTRACTOR(S) IS RESPONSIBLE FOR CONSTRUCTING AND MAINTAINING EROSION CONTROLS FOR THE DURATION OF THE CONSTRUCTION OF THE PUBLIC INFRASTRUCTURE AND FOR THE REMOVAL OF THE EROSION CONTROLS WHERE DIRECTED TO DO SO BY THE OWNER AT THE TIME OF NOTICE OF TERMINATION.
4. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION STAKING AND IS TO PROVIDE AN AS-BUILT SURVEY CERTIFIED BY A REGISTERED PROFESSIONAL SURVEYOR TO THE OWNER UPON COMPLETION OF THE CONSTRUCTION. THE EARTHWORK CONTRACTOR IS TO PROVIDE EARTHWORK SURVEY, AND THE WALL BUILDER IS TO PROVIDE WALL SURVEY.
5. EARTHWORK CONTRACTOR SHALL PREPARE ROUGH SUBGRADE FOR THE RETAINING WALL CONSTRUCTION AND PROVIDE SUFFICIENT BACKFILL MATERIAL STOCKPILED ON THE HIGH SIDE OF EACH WALL FOR THE WALL BUILDER TO COMPLETELY BACKFILL THE WALLS.
6. RETAINING WALLS ARE SHOWN FOR GRADING PURPOSES ONLY. RETAINING WALL DESIGN IS TO BE PERFORMED BY OTHERS, AND SHALL BE SUBMITTED TO THE CITY OF ALBUQUERQUE FOR REVIEW, APPROVAL, PERMIT, AND INSPECTION.
7. EARTHWORK CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL INVESTIGATION BY GEOTEST, INC. DATED JUNE 29, 2012.
8. TOPOGRAPHIC AND BOUNDARY SURVEY ARE BY ALDRICH LAND SURVEYING NOVEMBER 2011.
9. BENCHMARK USED IS AGRS BRASS CAP STAMPED "7-M21" HAVING AN ELEVATION OF 5498.07 (NGVD29).
10. FEMA SPECIAL FLOOD HAZARD ZONE ON THIS PROPERTY AS SHOWN ON LOMR CASE NO. 13-06-1053P EFFECTIVE JUNE 17, 2013.

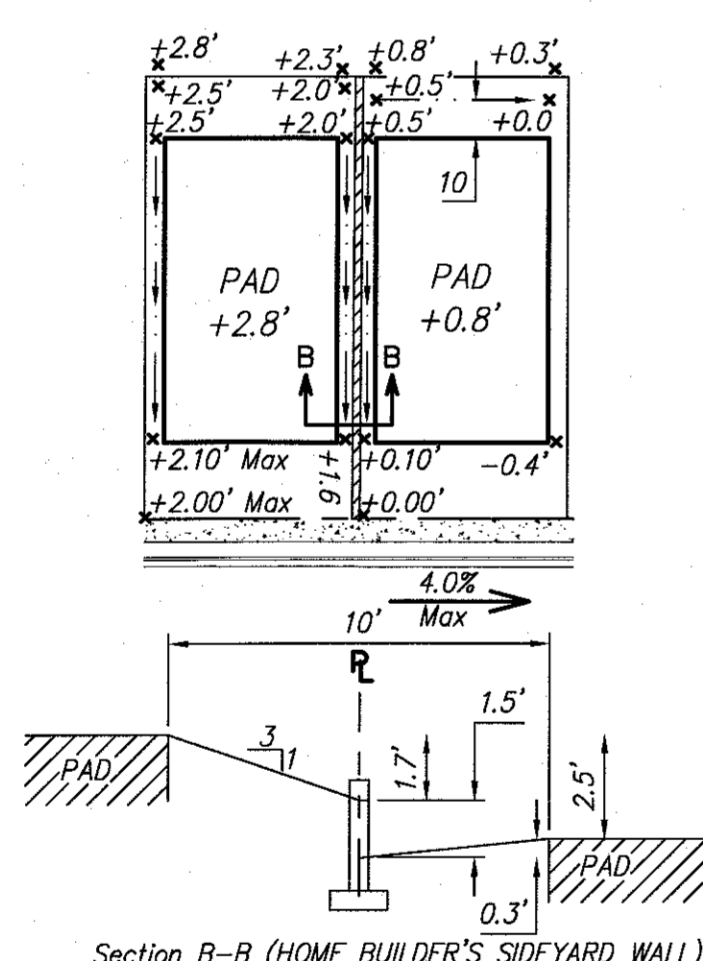
FLOOD PLAIN LEGEND

- LIMITS 100 YEAR FLOOD PLAIN
- LIMITS 500 YEAR FLOOD PLAIN
- LIMITS OF FLOODWAY
- LIMITS AO ZONE

TYPICAL LOT GRADING W/O SIDEYARD WALL



TYPICAL LOT GRADING WITH SIDEYARD WALL

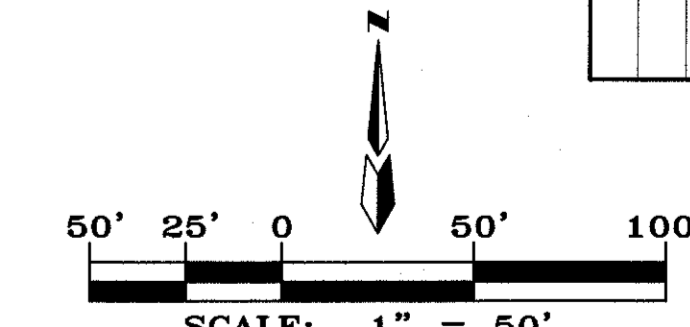


SEE SHEET 6 OF 10



SEE SHEET 2 & 3 OF 10

SEE SHEET 4 OF 10



GRADING & DRAINAGE PLAN

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CITY PROJECT NO. ZONE MAP NO. SHEET OF
M-21-Z 5 10

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	STATION "5-M22" IS LOCATED 8.7 MI. SE OF DOWNTOWN ALBUQUERQUE ON THE EAST SIDE OF THE MUNICIPAL LIMITS LINE IN THE FOUR HILLS SUBDIVISION AREA. STATION IS 600 FT. EAST OF MUNICIPAL LIMITS LINE.	DATE	NO.	BY		REMARKS
WORK INSPECTED BY	DATE	77.9' SE OF POWER POLE #6537 & 186.0' NW OF POWER POLE #60.	DATE	NO.	BY		DESIGN
ACCEPTANCE BY	DATE	STATION IS A STANDARD ACS BRASS DISK SET IN A CONCRETE MONUMENT IN THE GROUND. STATION IS STAMPED "5-M22".	DATE	NO.	BY	DATE	DATE
DRAWINGS BY	DATE	X= 1,564,265.207, Y= 1,475,762.995, (NAD 83), Z= 5597.219 (NAVD 1989)	DATE	NO.	BY	DATE	DATE
MICRO-FILM INFORMATION	DATE		DATE	NO.	BY	DATE	DATE

