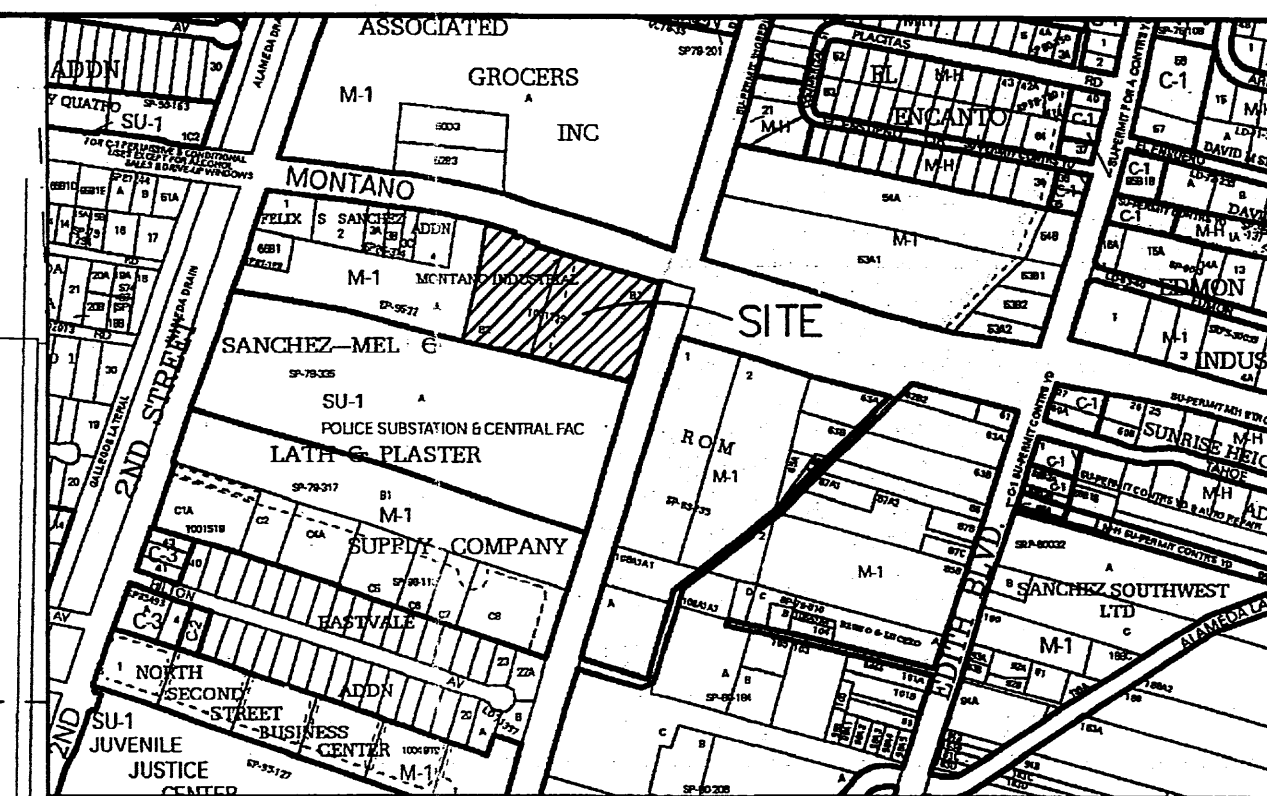
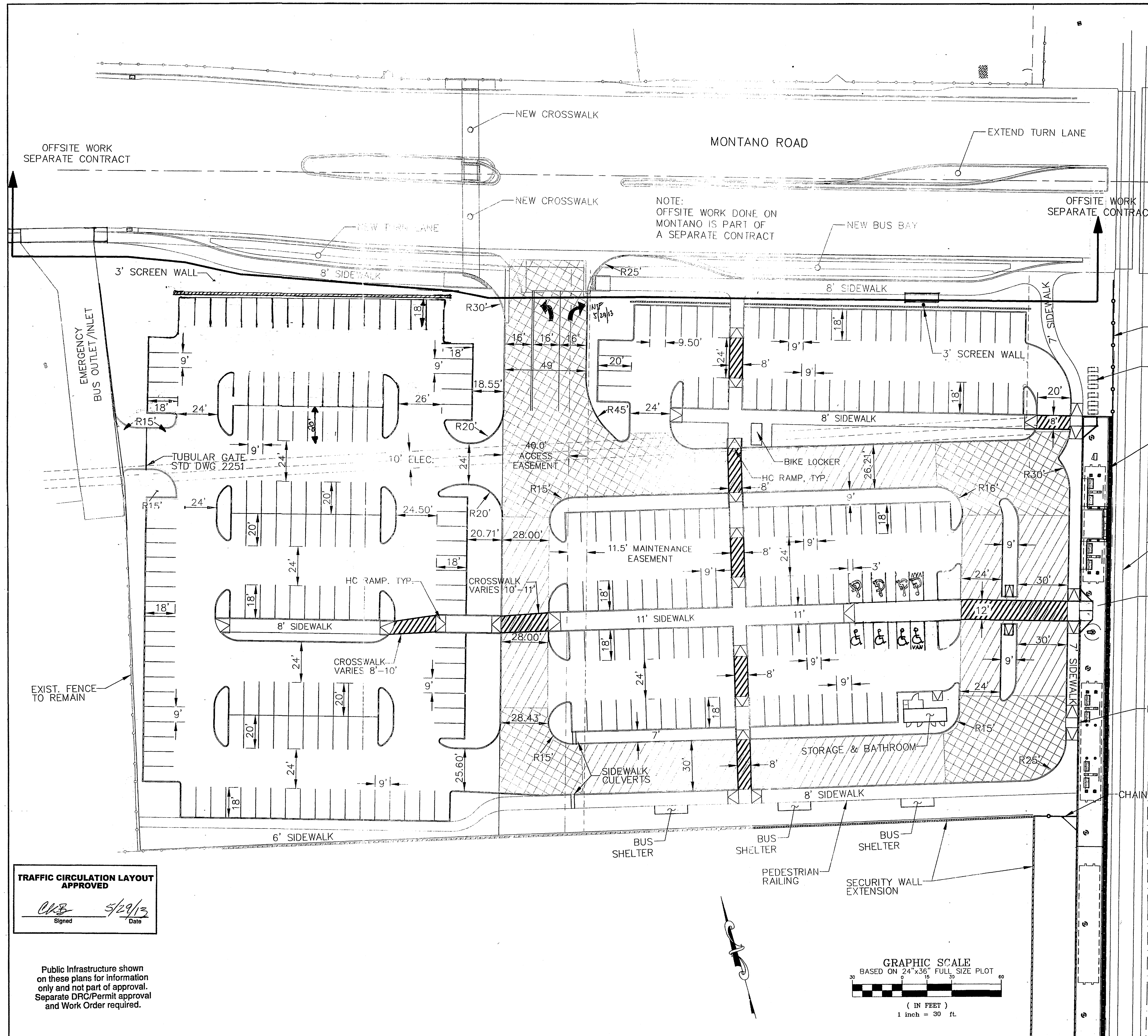




LEGAL DESCRIPTION:
TRACTS B1 & B2
MONTANO INDUSTRIAL
SUBDIVISION

NOTES:
1. LANDSCAPING AND SIGNING
WILL NOT INTERFERE WITH
CLEAR SITE REQUIREMENTS.
THEREFORE, SIGNS, WALLS,
TREES, AND SHRUBBERY
BETWEEN 3 AND 8 FEET TALL
(AS MEASURED FROM THE
GUTTER PAN) WILL NOT BE
ACCEPTABLE IN THIS AREA.

2. SEE ALSO SHEETS C-009,
C-010, C-013, C-014, C-015,
C-016.

3. ALL ON-SITE CURB SHALL BE
6" HEADER CURB. SEE DETAIL
ON SHEET C-009.

4. ALL APPLICABLE COA
STANDARDS SHALL BE
FOLLOWED.

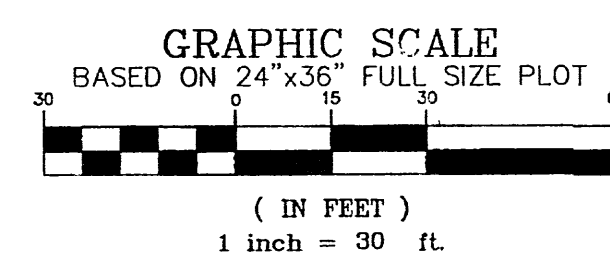
SITE AREA=4.91 ACRES
PARKING SPACES REQ'D=1/200 PER
STATION CANOPY AREA=2084/200
=11 SPACES
TOTAL PARKING SPACES=291
HANDICAP SPACES=8
VAN SPACES=2

- PVMNT. SECTION 3
SEE SHT. C-009
- PVMNT. SECTION 2
SEE SHT. C-009
- PVMNT. SECTION 1
SEE SHT. C-009

TRAFFIC CIRCULATION LAYOUT
APPROVED

CKB 5/29/13
Signed Date

Public Infrastructure shown
on these plans for information
only and not part of approval.
Separate DRG/Permit approval
and Work Order required.

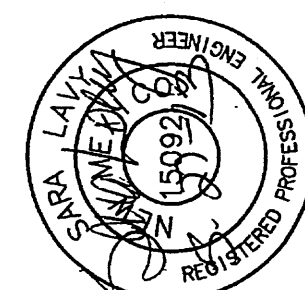


TITLE: NEW MEXICO RAIL RUNNER EXPRESS
MONTANO STATION
TRAFFIC CIRCULATION LAYOUT

Vector
Engineering, LLC

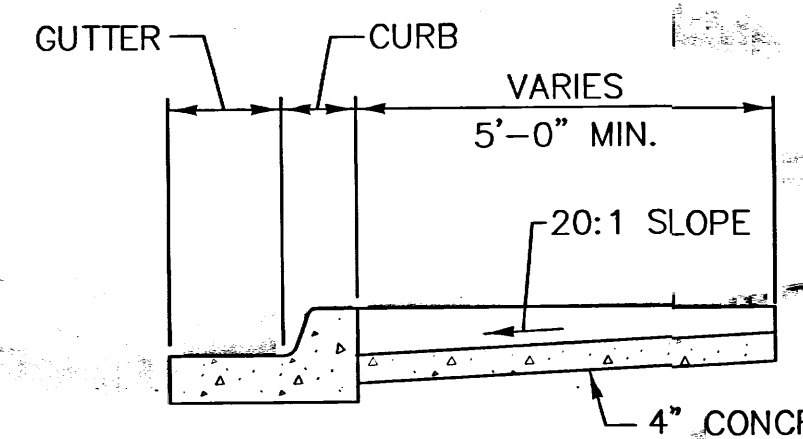
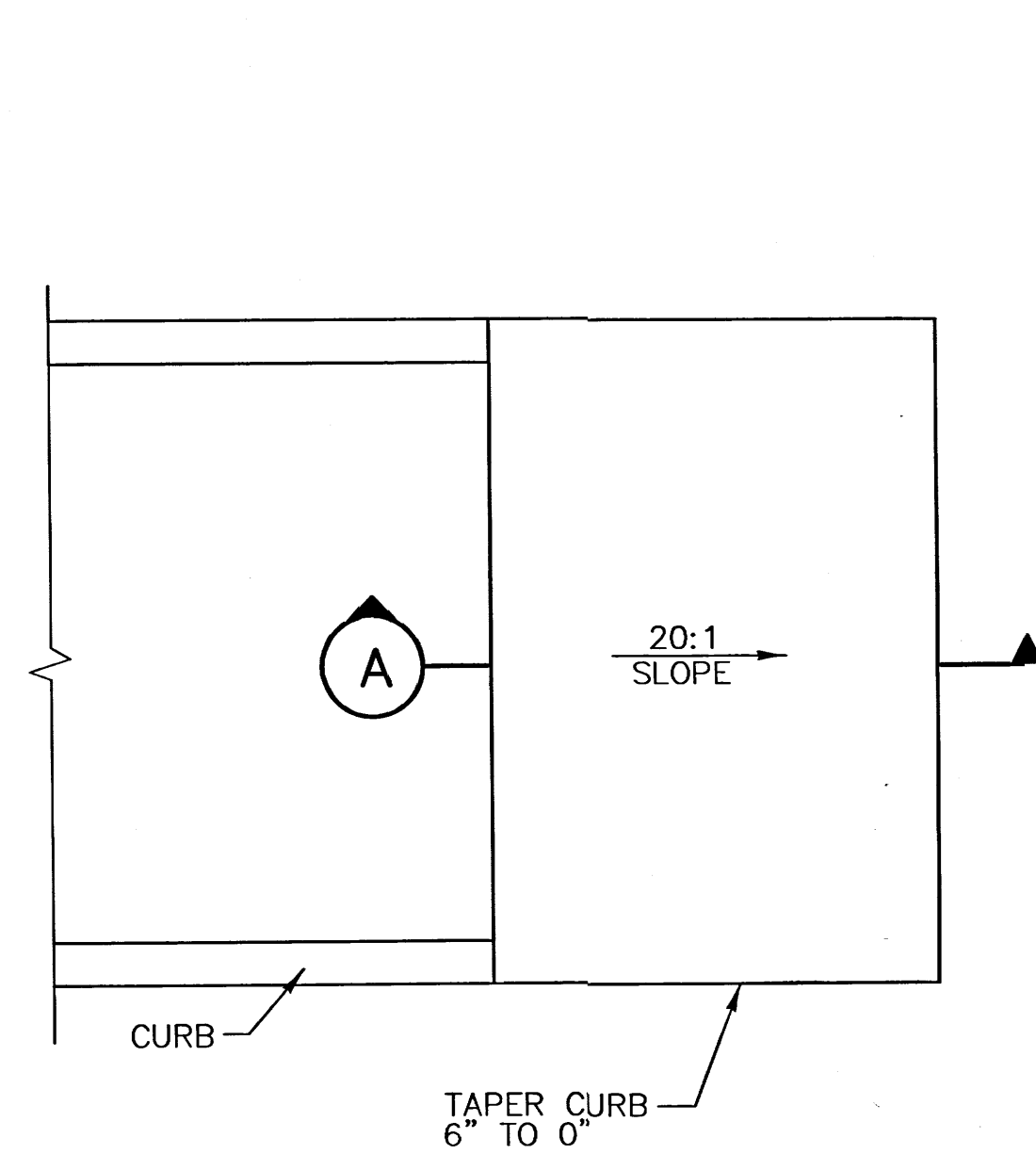
Sheet No. C-003

ENGINEER'S SEAL
NGS STAINLESS ROD SET BENEATH A 5 1/2"
ACCESS COVER STAMPED "D-438, 1984",
SE QUADRANT OF MONTANO RD. & THE
BNSF RAILROAD TRACKS, 42.5 FT. EAST OF
CENTERLINE OF THE TRACKS, 44 FT. SOUTH
OF CENTERLINE OF MONTANO RD. NE, 1.1 FT.
WEST OF CHAIN LINK FENCE.
DATUM NAVD 1988
ELEV. 4978.070

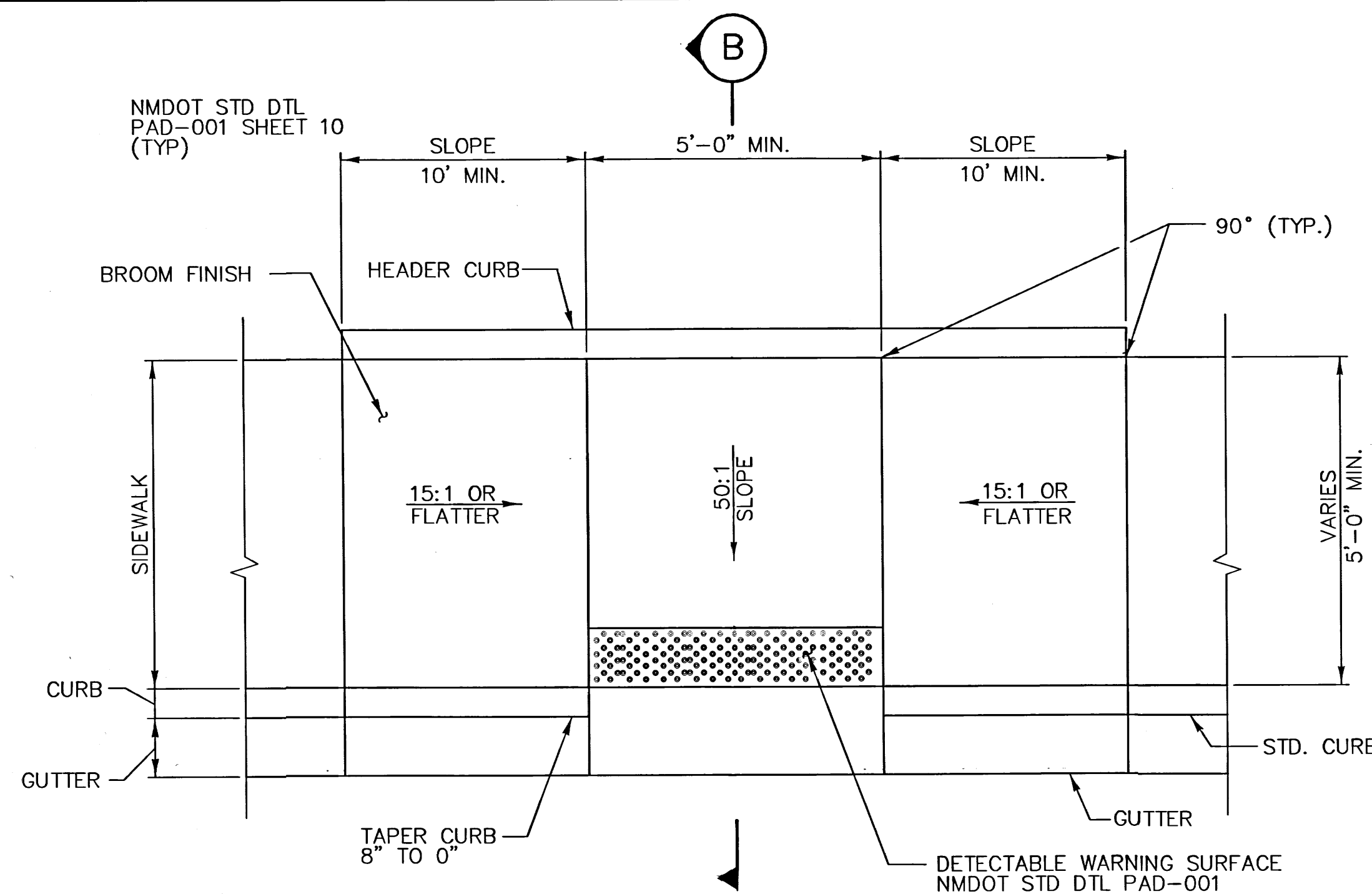


DESIGNED BY SL DATE 05/2013
DRAWN BY BN DATE 05/2013
CHECKED BY CB DATE 05/2013

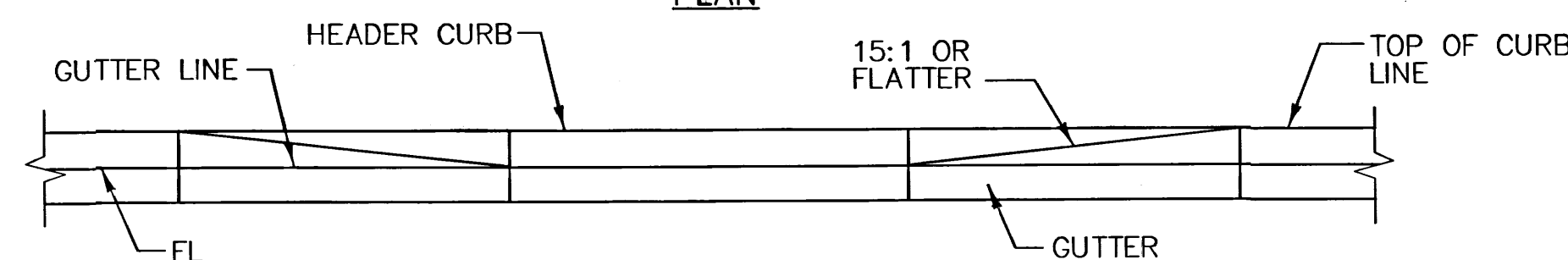
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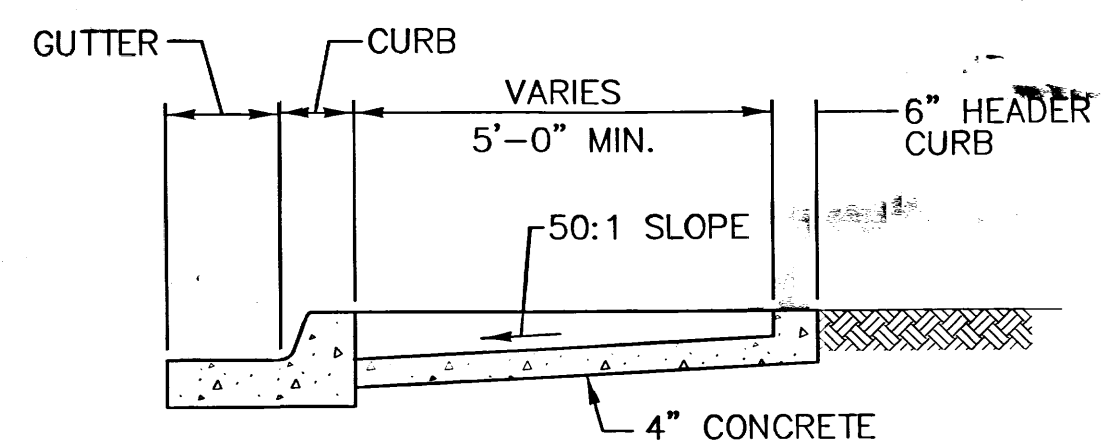
SECTION A
SCALE: NONE



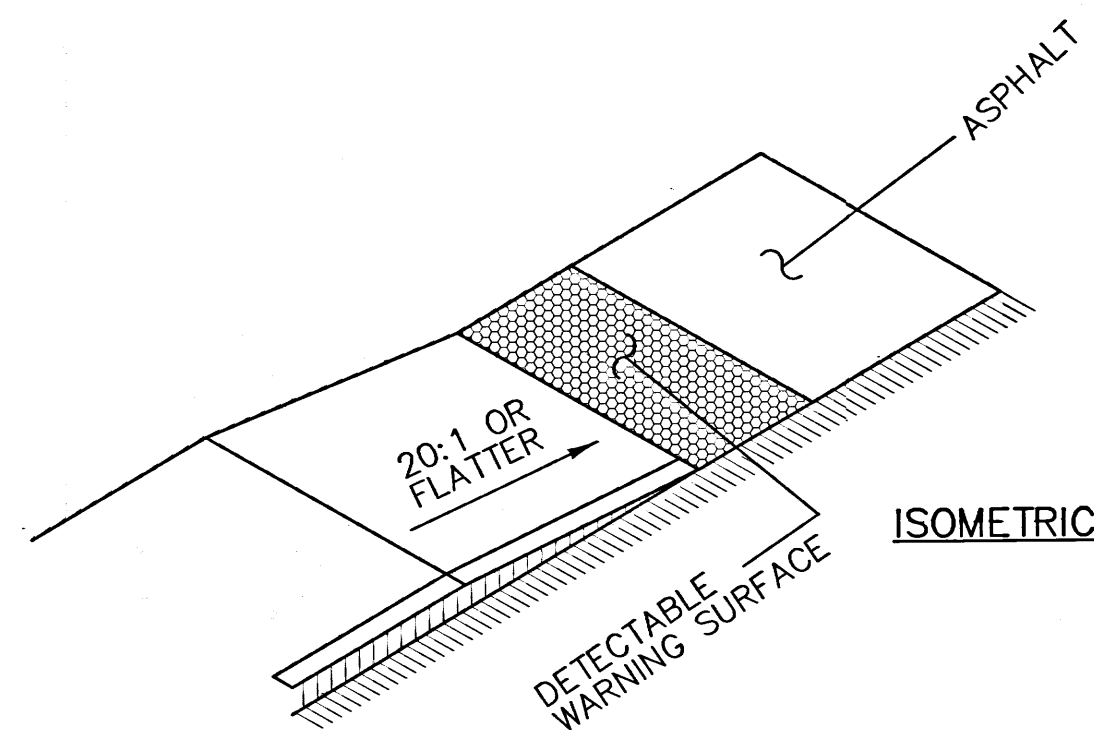
PLAN



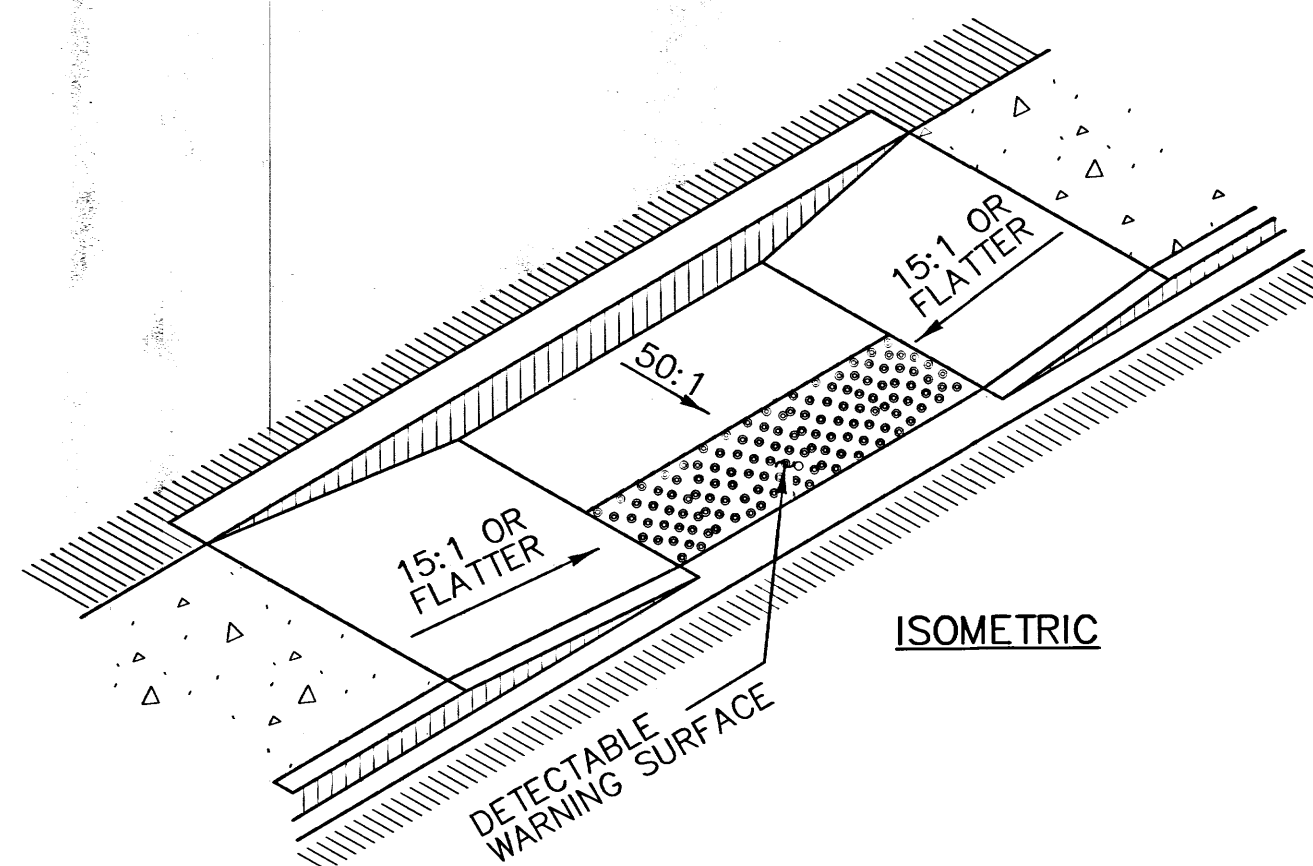
ELEVATION



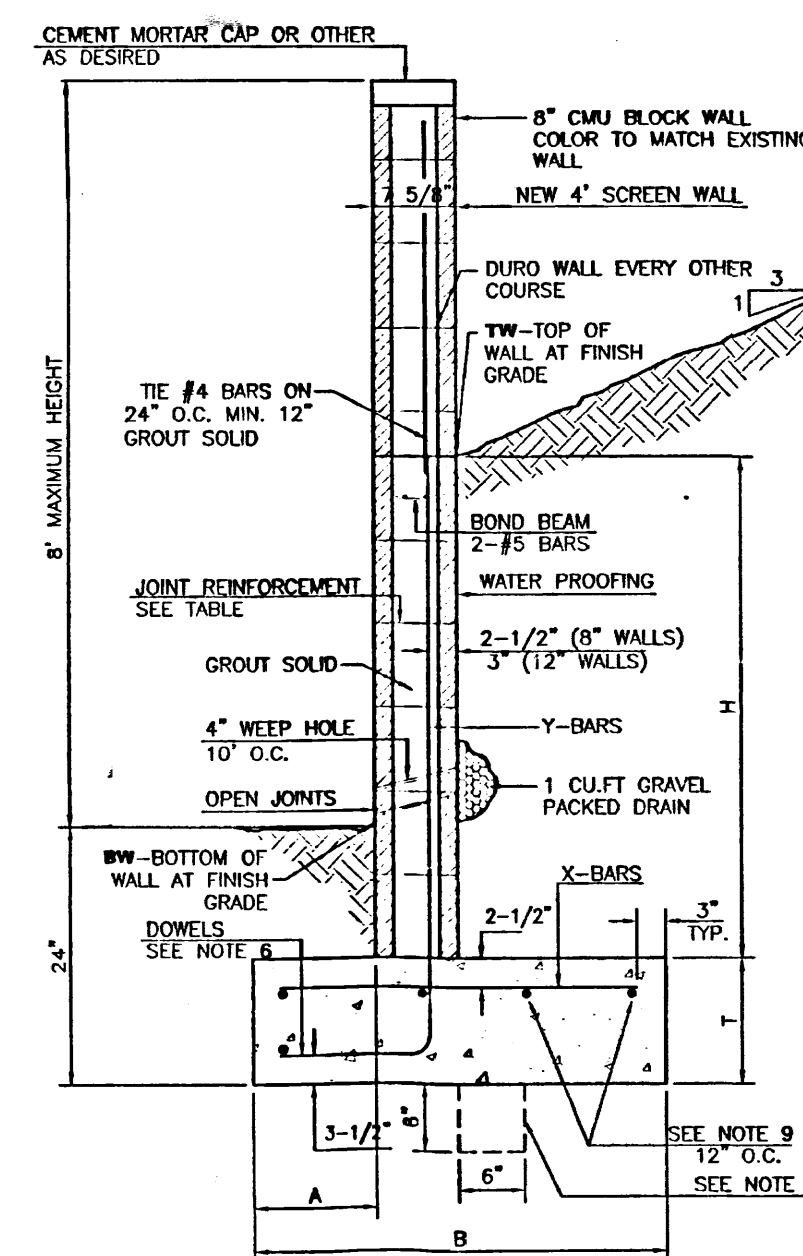
SECTION B
SCALE: NONE



TYPE A CURB RAMP
SCALE: NONE



TYPE B PARALLEL CURB RAMP
SCALE: NONE



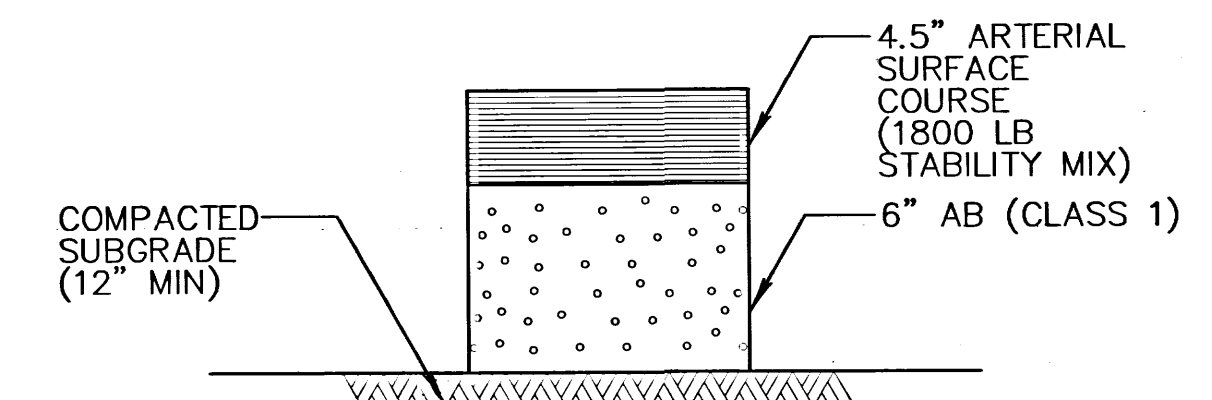
RETAINING WALL DETAIL
SCALE: NONE

H	A	B	T	Y-BARS	X-BARS
ft.-in.	in.	ft.-in.	in.		
2'-0"	8"	2'-0"	9"	#4 @32" O.C.	#4 @24" O.C.
2'-6"	8"	2'-0"	9"	#4 @32" O.C.	#4 @24" O.C.
3'-4"	8"	2'-4"	9"	#4 @32" O.C.	#4 @24" O.C.
4'-0"	10"	2'-8"	9"	#4 @32" O.C.	#4 @24" O.C.
4'-6"	12"	3'-4"	10"	#5 @32" O.C.	#4 @18" O.C.
5'-4"	14"	3'-10"	10"	#5 @16" O.C.	#4 @18" O.C.
6'-0"	16"	4'-8"	12"	#6 @8" O.C.	#4 @12" O.C.

H	A	B	T	Y-BARS	X-BARS
ft.-in.	in.	ft.-in.	in.		
5'-4"	14"	3'-8"	10"	#6 @18" O.C.	#4 @24" O.C.
6'-0"	15"	4'-2"	12"	#4 @16" O.C.	#4 @18" O.C.
6'-6"	16"	4'-6"	12"	#6 @24" O.C.	#5 @18" O.C.
7'-4"	18"	4'-10"	12"	#6 @16" O.C.	#5 @18" O.C.
8'-0"	20"	5'-4"	12"	#7 @18" O.C.	#6 @12" O.C.
8'-6"	20"	5'-8"	12"	#7 @16" O.C.	#6 @12" O.C.

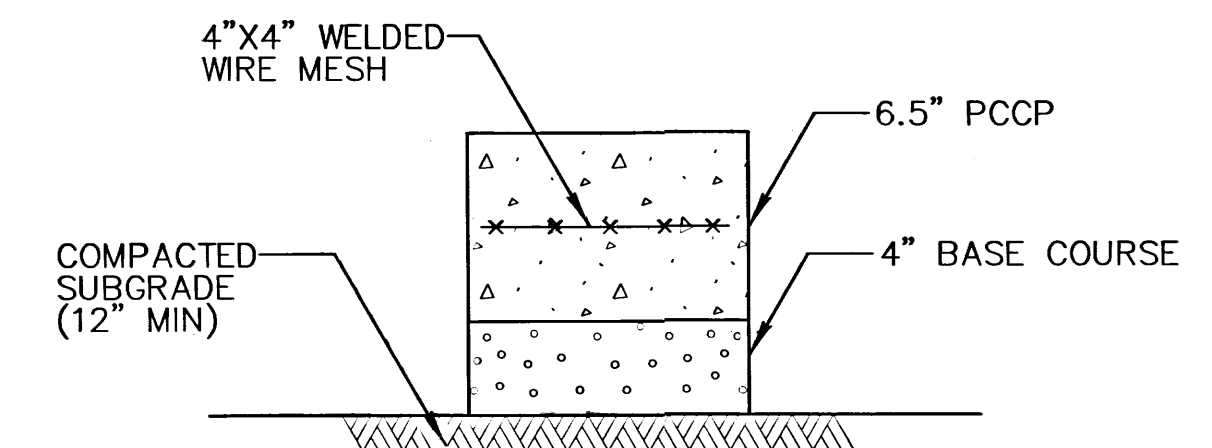
GENERAL NOTES:

- ALL CONCRETE IS TO BE 4000 PSI @ 28 DAYS.
- MINIMUM COMPACTION UNDER FOOTINGS IS TO BE 95% PER ASTM D 1557 FOR A DEPTH OF 12" MOISTURE CONTENT IS TO BE $\pm 2.0\%$.
- BACK FILL AGAINST WALLS IS TO BE HAND-PLACED AND COMPACTED.
- ALL BARS ARE TO BE GRADE 60, ASTM 615.
- TRUSS TYPE CURB-WALL EVERY OTHER COURSE.
- DOWELS SHALL BE AT LEAST EQUAL IN SIZE AND SPACING TO Y-BARS, SHALL PROJECT A MINIMUM OF 30 BAR DIA. INTO THE FILLED BLOCK CORES, AND SHALL EXTEND TO THE TOE OF THE FOOTING.
- PROVIDE KEY FOR 8" AND 12" WALLS WHERE IT EXCEEDS 6'-0" EVERY 16'.
- BOND BEAM, 1-#4 BARS FOR WALLS UNDER 3'-4", 2-#4 BARS FOR WALLS UNDER 5'-4", 2-#5 BARS FOR WALLS OVER 5'-4".



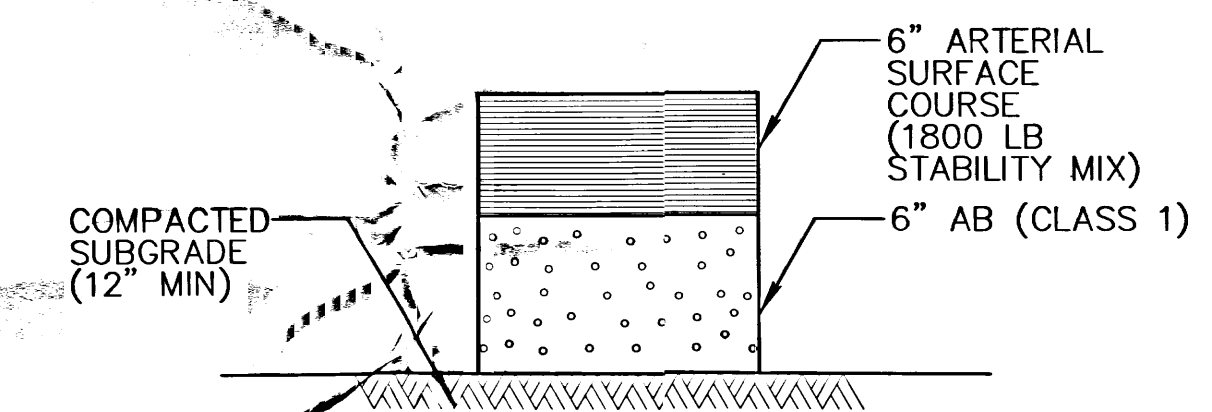
PAVEMENT STRUCTURAL SECTION NO. 1

PARKING LOTS
AND AS NOTED ON PLANS
NOTE: REMOVE EXISTING SOILS A MINIMUM OF 2" AND REPLACE WITH MINIMUM R-VALUE OF 50 MATERIAL



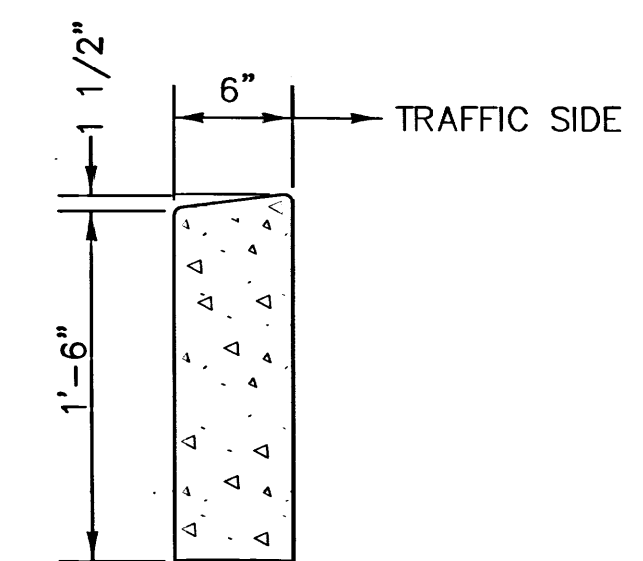
PAVEMENT STRUCTURAL SECTION NO. 2

BUS LANE & LOADING AREAS
AND AS NOTED ON PLANS
NOTE: REMOVE EXISTING SOILS A MINIMUM OF 2" AND REPLACE WITH MINIMUM R-VALUE OF 50 MATERIAL



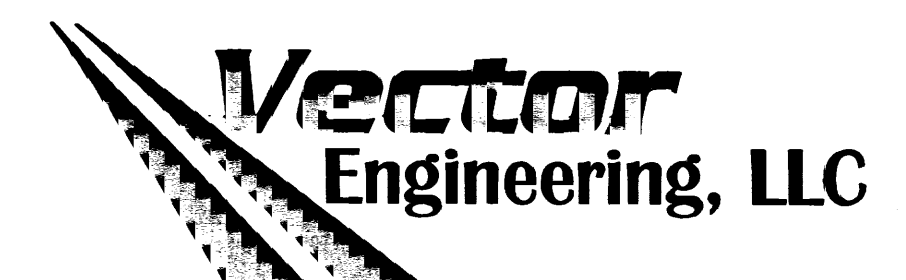
PAVEMENT STRUCTURAL SECTION NO. 3

HEAVY DUTY PAVEMENT AREAS
AND AS NOTED ON PLANS
NOTE: REMOVE EXISTING SOILS A MINIMUM OF 2" AND REPLACE WITH MINIMUM R-VALUE OF 50 MATERIAL



HEADER CURB DETAIL
SCALE: NONE

TITLE: NEW MEXICO RAIL RUNNER EXPRESS
MONTANO STATION
PARKING LOT DETAIL SHEET

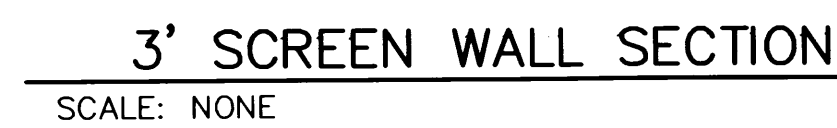


DESIGNED BY	SL	DATE	05/2013
DRAWN BY	BN	DATE	05/2013
CHECKED BY	CB	DATE	05/2013

BENCH MARKS
NGS STAINLESS ROD SET BENEATH A 5 1/2" ACCESS COVER STAMPED "D-438, 1984". SE QUADRANT OF MONTANO RD. & THE BNSF RAILROAD TRACKS, 42.5 FT. EAST OF CENTERLINE OF THE TRACKS, 44 FT. SOUTH OF CENTERLINE OF MONTANO RD. NE. 1.1 FT. WEST OF CHAIN LINK FENCE. DATUM NAVD 1988 ELEV. 4978.070



1. ALL CONCRETE IS TO BE 3000 PSI @ 28 DAYS
2. MINIMUM COMPACTION UNDER FOOTINGS IS TO BE 95% PER ASTM D 1557 FOR A DEPTH OF 12" MOISTURE CONTENT IS TO BE $\pm 0.5\%$
3. BACK FILL AGAINST WALLS IS TO BE HAND-PLACED AND COMPACTED.
4. ALL BARS ARE TO BE GRADE 60, ASTM A615.
5. TRUSS TYPE DUR-O-WALL EVERY OTHER COURSE.
6. DOWELS SHALL BE AT LEAST EQUAL IN SIZE AND SPACING TO V-BARS, SHALL PROJECT A MINIMUM OF 30 BAR DIA. INTO THE FILLED BLOCK CORES AND SHALL EXTEND TO THE TOE OF THE FOOTING.
7. USE EITHER EXPANSION JOINTS ON 20' CENTERS OR PILASTERS EVERY 16'.

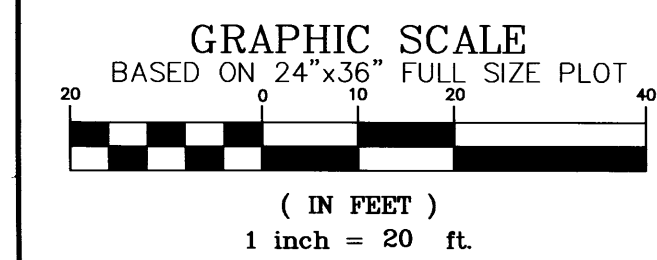
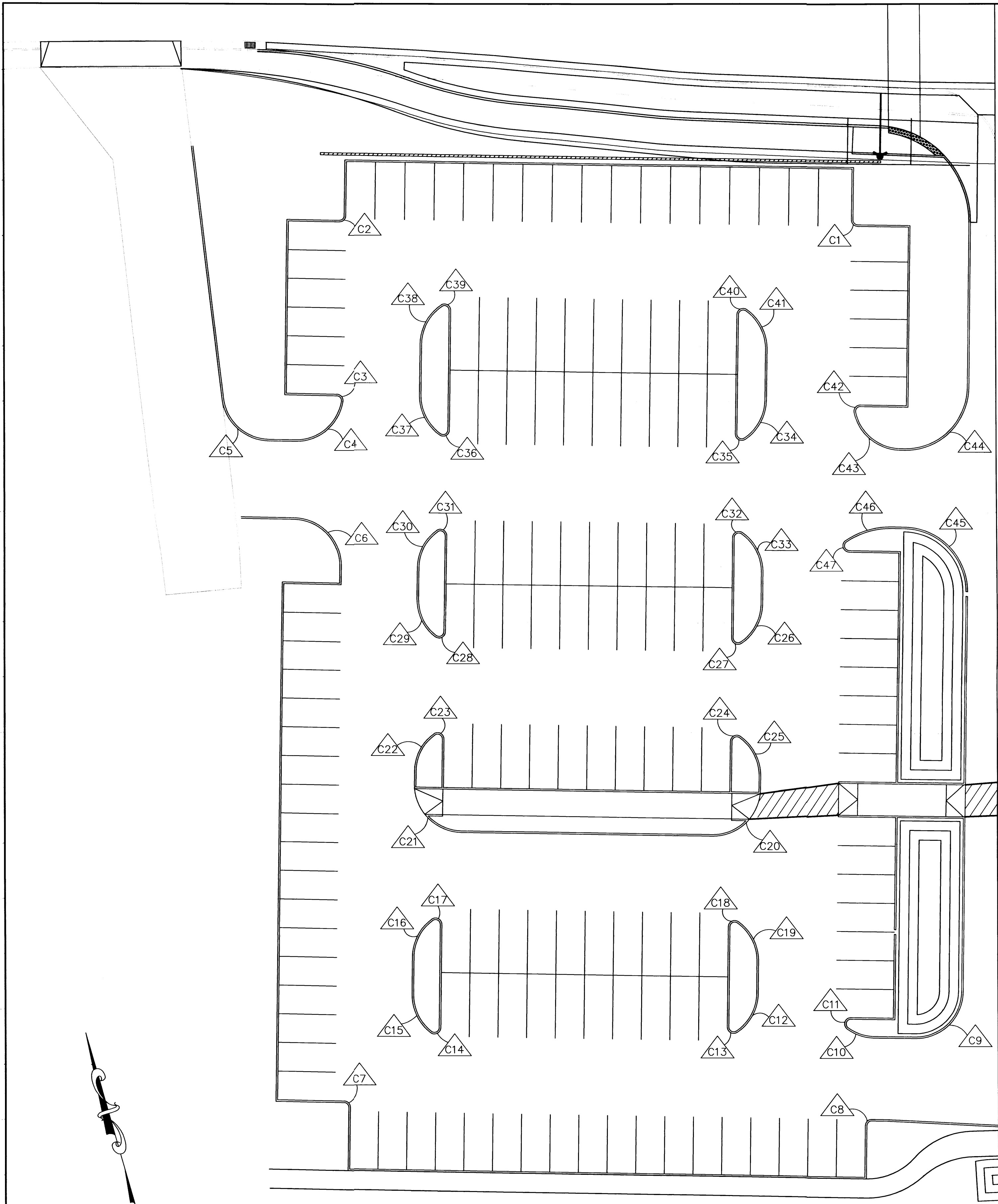


		<i>ENGINEER'S SEAL</i>			<i>BENCH MARKS</i>	
					NSS STAINLESS ROD SET BENEATH A 5'1/2"	
					ACCESS COVER STAMPED "D-438, 1984",	
					SE QUADRANT OF MONTANO RD. & THE	
					BNSF RAILROAD TRACKS, 42.5 FT. EAST OF	
					CENTERLINE OF THE TRACKS, 44 FT. SOUTH	
					OF CENTERLINE OF MONTANO RD. NE, 1.1 FT.	
					WEST OF CHAIN LINK FENCE.	
					DATUM NAVD 1988	
					ELEV. 4978.070	



Vector
Engineering, LLC

Sheet



△ CURVE DATA				
CURVE NO.	RADIUS	TANGENT LENGTH	ARC LENGTH	DELTA
C1	2.00'	2.00'	3.14'	90°00'00"
C2	2.00'	2.00'	3.14'	90°00'00"
C3	2.00'	2.34'	3.45'	98°50'59.58"
C4	15.00'	12.85'	21.25'	81°09'00.42"
C5	15.00'	13.13'	21.57'	82°22'33.97"
C6	15.00'	15.00'	23.56'	90°00'00"
C7	2.00'	2.00'	3.14'	90°00'00"
C8	2.00'	2.00'	3.14'	90°00'00"
C9	15.00'	15.05'	23.59'	90°05'20.91"
C10	15.00'	6.46'	12.18'	46°30'33.38"
C11	2.00'	2.33'	2.33'	133°34'47.53"
C12	15.00'	7.90'	14.54'	55°32'39.39"
C13	2.00'	3.80'	4.34'	124°27'20.61"
C14	2.00'	4.03'	4.44'	127°10'28.16"
C15	15.00'	7.45'	13.83'	52°49'31.84"
C16	15.00'	7.45'	13.83'	52°49'31.84"
C17	2.00'	4.03'	4.44'	127°10'28.16"
C18	2.00'	3.80'	4.34'	124°27'20.61"
C19	15.00'	7.90'	14.54'	55°32'39.39"
C20	15.00'	15.00'	23.56'	90°00'00"
C21	15.00'	15.00'	23.56'	90°00'00"
C22	15.00'	8.70'	15.67'	61°55'00.33"
C23	2.00'	1.67'	2.06'	118°04'59.67"
C24	2.00'	4.34'	3.80'	124°27'20.61"
C25	15.00'	7.90'	14.54'	55°32'39.39"
C26	15.00'	7.90'	14.54'	55°32'39.39"
C27	2.00'	3.80'	4.34'	124°27'20.61"
C28	2.00'	3.80'	4.34'	124°27'24.02"
C29	15.00'	7.90'	14.54'	55°32'35.99"
C30	15.00'	7.90'	14.54'	55°32'35.99"
C31	2.00'	3.80'	4.34'	124°27'24.02"
C32	2.00'	3.80'	4.34'	124°27'20.61"
C33	15.00'	7.90'	14.54'	55°32'35.99"
C34	15.00'	7.90'	14.54'	55°32'35.99"
C35	2.00'	3.80'	4.34'	124°27'24.02"
C36	2.00'	3.80'	4.34'	124°27'20.61"
C37	15.00'	7.90'	14.54'	55°32'35.99"
C38	15.00'	7.90'	14.54'	55°32'35.99"
C39	2.00'	3.80'	4.34'	124°27'24.02"
C40	2.00'	3.80'	4.34'	124°27'20.61"
C41	15.00'	7.90'	14.54'	55°32'35.99"
C42	2.00'	2.53'	3.61'	103°20'32.51"
C43	15.00'	11.86'	20.07'	76°47'21.93"
C44	20.00'	20.03'	31.54'	90°05'57.96"
C45	20.00'	19.97'	31.38'	89°54'02.04"
C46	25.00'	7.89'	15.30'	35°02'52.35"
C47	2.00'	6.33'	5.06'	144°57'07.65"

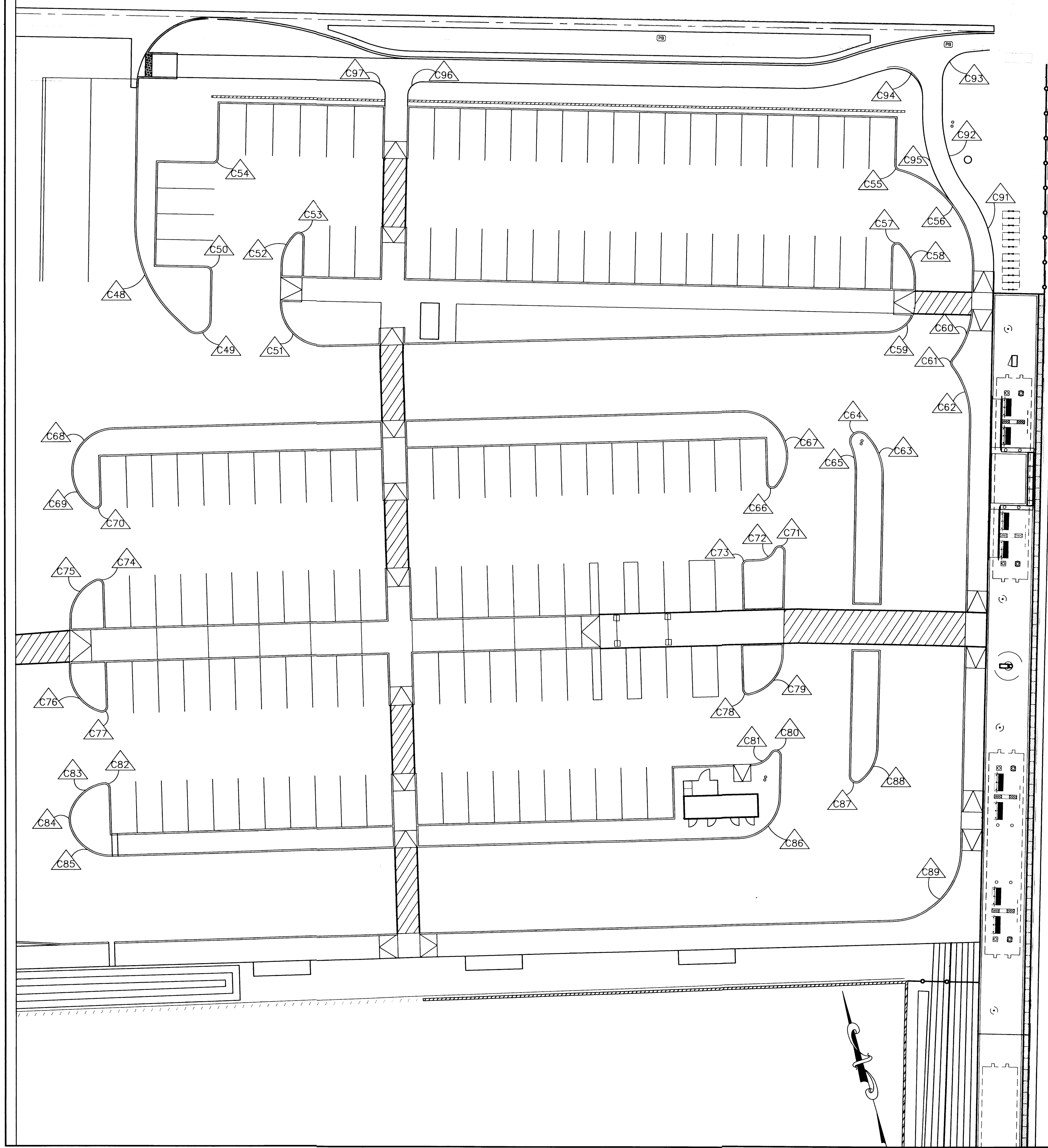
BENCH MARKS

NGS STAINLESS ROD SET BENEATH A 5 1/2" ACCESS COVER STAMPED "D-438, 1984". SE QUADRANT OF MONTANO RD. & THE BNSF RAILROAD TRACKS. 42.5 FT. EAST OF CENTERLINE OF THE TRACKS, 44 FT. SOUTH OF CENTERLINE OF MONTANO RD. NE. 1.1 FT. WEST OF CHAIN LINK FENCE. DATUM NAVD 1988 ELEV. 4978.070

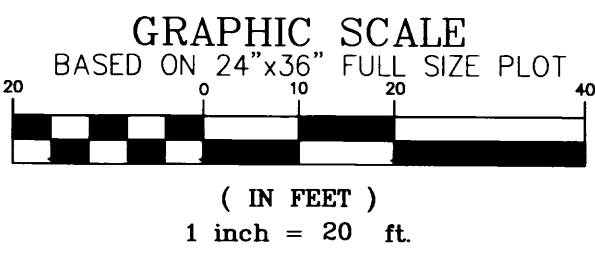
ENGINEER'S SEAL

SAUL A. LARSEN
LAWYER
NEW MEXICO
15092
REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY SL DATE 03/2013
DRAWN BY BN DATE 03/2013
CHECKED BY CB DATE 03/2013



△ CURVE DATA				
CURVE NO.	RADIUS	TANGENT LENGTH	ARC LENGTH	DELTA
C48	45.00'	19.70'	37.14'	47°17'03.84"
C49	5.00'	11.34'	11.56'	132°25'05.88"
C50	2.00'	2.00'	2.83'	90°00'00"
C51	15.00'	15.69'	24.24'	92°34'53.04"
C52	15.00'	6.40'	9.51'	46°11'13.00"
C53	2.00'	4.69'	4.67'	133°48'47.02"
C54	2.00'	2.00'	3.14'	90°00'00"
C55	2.00'	1.59'	2.68'	76°53'24"
C56	34.50'	27.39'	46.30'	76°53'24"
C57	2.00'	4.81'	4.71'	134°49'27.15"
C58	18.00'	7.49'	14.16'	45°05'08.22"
C59	10.00'	9.56'	15.26'	87°25'06.96"
C60	30.00'	10.54'	20.28'	38°43'43.68"
C61	2.00'	1.60'	2.70'	77°27'27.36"
C62	30.00'	10.54'	20.28'	38°43'43.68"
C63	20.50'	8.71'	16.48'	46°03'10.44"
C64	3.50'	17.57'	9.62'	157°28'11.28"
C65	23.00'	4.79'	9.44'	23°31'22.08"
C66	2.00'	5.08'	4.78'	137°02'14.35"
C67	16.00'	35.93'	36.32'	130°03'14.10"
C68	15.00'	14.38'	22.93'	87°35'50.28"
C69	15.00'	8.75'	15.84'	60°30'54"
C70	2.00'	3.60'	4.26'	121°53'15.72"
C71	2.00'	10.15'	5.51'	157°41'46.68"
C72	6.00'	3.82'	6.81'	64°59'46.68"
C73	2.00'	2.00'	3.14'	90°00'00"
C74	2.00'	2.90'	3.87'	110°43'47.70"
C75	15.00'	9.77'	15.81'	60°23'23.38"
C76	15.00'	11.58'	19.00'	72°34'28.65"
C77	2.00'	2.72'	3.74'	107°16'33.39"
C78	2.00'	2.39'	3.49'	100°01'26.04"
C79	15.00'	11.99'	20.23'	77°16'33.96"
C80	2.00'	7.81'	5.28'	151°16'48.36"
C81	8.00'	4.49'	8.18'	58°34'48.36"
C82	2.00'	2.27'	3.40'	97°21'20.12"
C83	15.00'	8.68'	14.83'	56°38'29.55"
C84	10.00'	4.37'	8.24'	47°12'01.44"
C85	15.00'	10.27'	18.01'	68°48'09"
C86	15.00'	14.31'	22.86'	87°17'59.99"
C87	2.50'	5.12'	5.58'	127°58'47.64"
C88	15.50'	7.56'	14.07'	52°01'12.36"
C89	25.00'	23.85'	38.09'	87°18'00"
C90	-	-	-	-
C91	42.00'	14.79'	28.45'	38°48'26.64"
C92	45.00'	15.39'	29.66'	37°46'02.28"
C93	10.00'	8.87'	14.52'	83°10'02.28"
C94	10.00'	12.99'	18.30'	104°49'33.96"
C95	52.00'	17.79'	34.28'	110°11'03.12"
C96	5.00'	4.98'	7.84'	89°48'23.04"
C97	5.00'	5.02'	7.87'	90°11'36.96"



TITLE: NEW MEXICO RAIL RUNNER EXPRESS
MONTAÑO STATION
EASTSIDE PARKING LOT CURVE DATA



Sheet No.

C-014

DESIGNED BY SL DATE 03/2013

DRAWN BY BN DATE 03/2013

CHECKED BY CB DATE 03/2013

ENGINEER'S SEAL

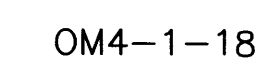
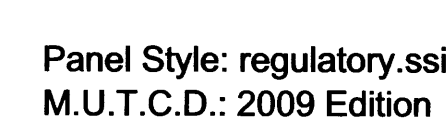
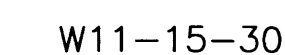
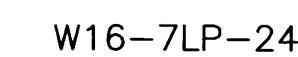
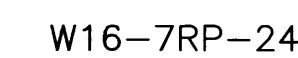
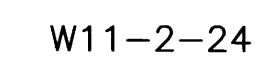
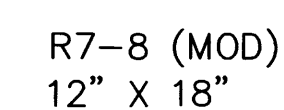
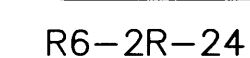
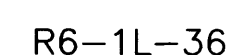
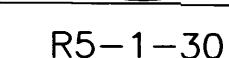
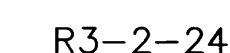
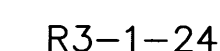
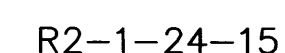
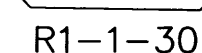
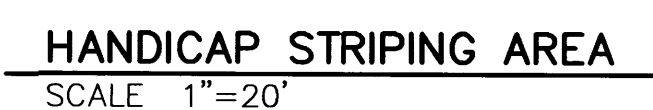
BENCH MARKS

NGS STAINLESS ROD SET BENEATH A 5 1/2" ACCESS COVER STAMPED "D-438, 1984".

SE QUADRANT OF MONTAÑO RD. & THE BNSF RAILROAD TRACKS, 42.5 FT. EAST OF CENTERLINE OF THE TRACKS, 44 FT. SOUTH OF CENTERLINE OF MONTAÑO RD. NE, 1.1 FT. WEST OF CHAIN LINK FENCE.

DATUM NAVD 1988

ELEV. 4978.070



1. ALL SIGNS, UNLESS OTHERWISE SPECIFIED, SHALL HAVE REFLECTIVITY III SHEETING FOR THE LEGEND, BORDER, AND BACKGROUND. ONLY ALUMINUM PANEL SIGNS ARE PERMITTED.

2. QUANTITIES MAY VARY AS FIELD CONDITIONS DICTATE. THE CONTRACTOR WILL BE PAID FOR ACTUAL QUANTITIES USED.

3. EACH SIGN FACE SHOWN ON PLANS SHALL MEET THE SPECIFICATIONS IN THE STANDARD HIGHWAY SIGNS MANUAL (CURRENT EDITION) FOR PROPER ARRANGEMENT, SPACING OF LETTERS, LETTER HEIGHT, LETTER SERIES, SYMBOLS, AND BORDERS FOR THE SPECIFIED SIZE AND MESSAGE AS SHOWN ON PLANS.

4. POST LENGTHS AREA BASED ON A MINIMUM OF 7 FT TO BOTTOM OF SIGN.
SEE DETAIL SHEET C-010.

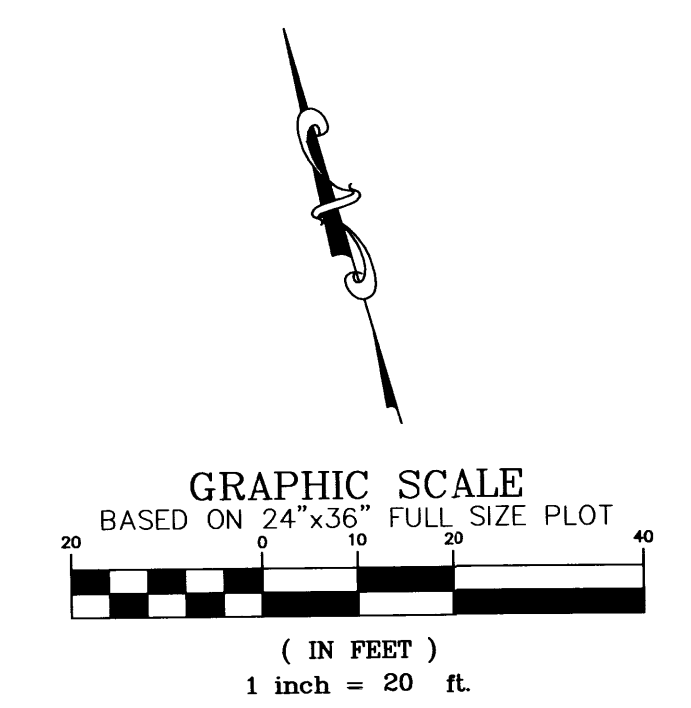
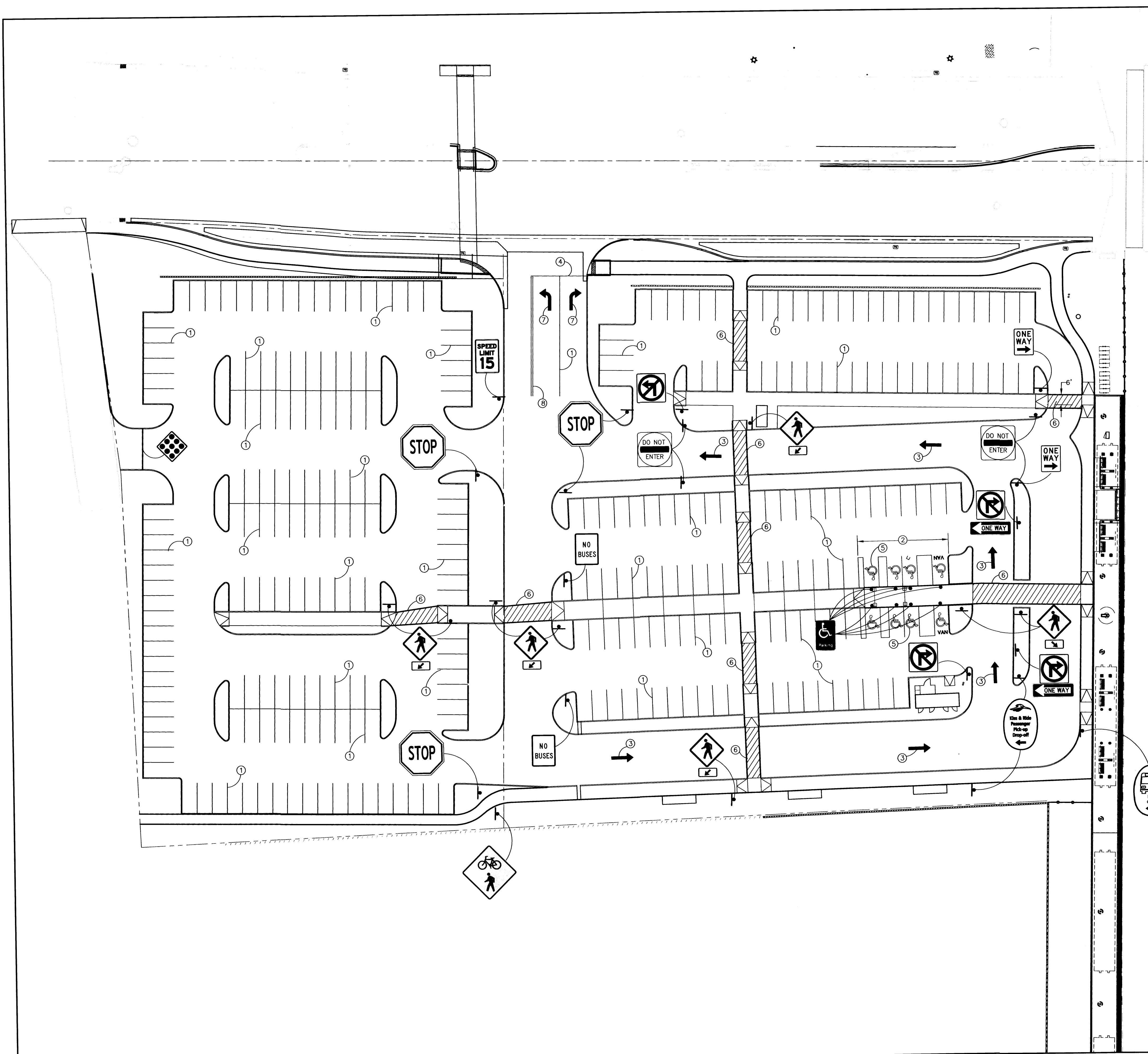
5. THE LATERAL CLEARANCE OF SIGNS SHALL BE NO CLOSER THAN 2 FT. FROM FACE OF CURB.

6. ALL SIGNING HARDWARE, INCLUDING BRACKETS, IS CONSIDERED INCIDENTAL TO SIGN INSTALLATION. NO PAYMENT WILL BE MADE THEREFOR.

TITLE: NEW MEXICO RAIL RUNNER EXPRESS
MONTAÑO STATION
PERMANENT SIGNING SIGN FACE DETAILS



Vector
Engineering, LLC

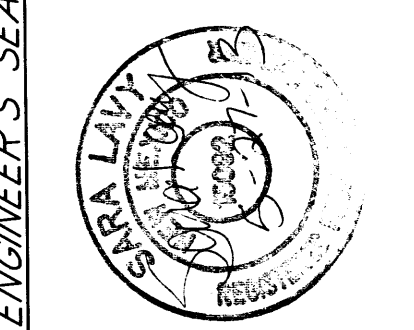


- LEGEND**
- ① 4" SOLID WHITE PAINTED STRIPE
 - ② STRIPING FOR ACCESSIBLE PARKING — SEE SHEET C-015
 - ③ WHITE PAINTED ARROW
 - ④ 12" WHITE STOP BAR
 - ⑤ PAVEMENT MARKING: INTERNATIONAL SYMBOL OF ACCESSIBILITY
 - ⑥ CROSSWALK, 4" SOLID WHITE STRIPING, DIAGONAL STRIPING AT 30" O.C., 45°
 - ⑦ 4" SOLID WHITE PAINTED LEFT/RIGHT ARROW
 - ⑧ 4" SOLID DOUBLE YELLOW PAINTED STRIPE

SIGN	MUTCD CODE	SIZE	QTY
STOP SIGN	R1-1-30	30" x 30"	4
SPEED LIMIT (15)	R2-1-24-15	24" x 30"	1
NO RIGHT TURN	R3-1-24	24" x 24"	2
DO NOT ENTER	R5-1-30	30" x 30"	4
ONE WAY	R6-2R-24	24" x 30"	2
ONE WAY	R6-1L-36	36" x 12"	2
HANDICAP PARKING	R7-8 (MOD)	12" x 18"	8
PEDESTRIAN	W11-2-24	24" x 24"	8
BIKE/PEDESTRIAN	W11-15-30	30" x 30"	1
DIA. DOWN ARROW (R)	W16-7RP-24	24" x 12"	2
DIA. DOWN ARROW (L)	W16-7LP-24	24" x 12"	6
NO BUSES	SP-1	18" x 24"	2
KISS & RIDE	SP-2	24" x 30"	2
BUS ONLY	SP-3	24" x 30"	1
OBJECT MARKER	OM4-1	18" x 18"	1
NO LEFT TURN	R3-2-24	24" x 24"	1

NOTE: SIGN LOCATIONS MAY BE ADJUSTED TO AVOID PLACING SIGNS OVER NEW UTILITY LINES.

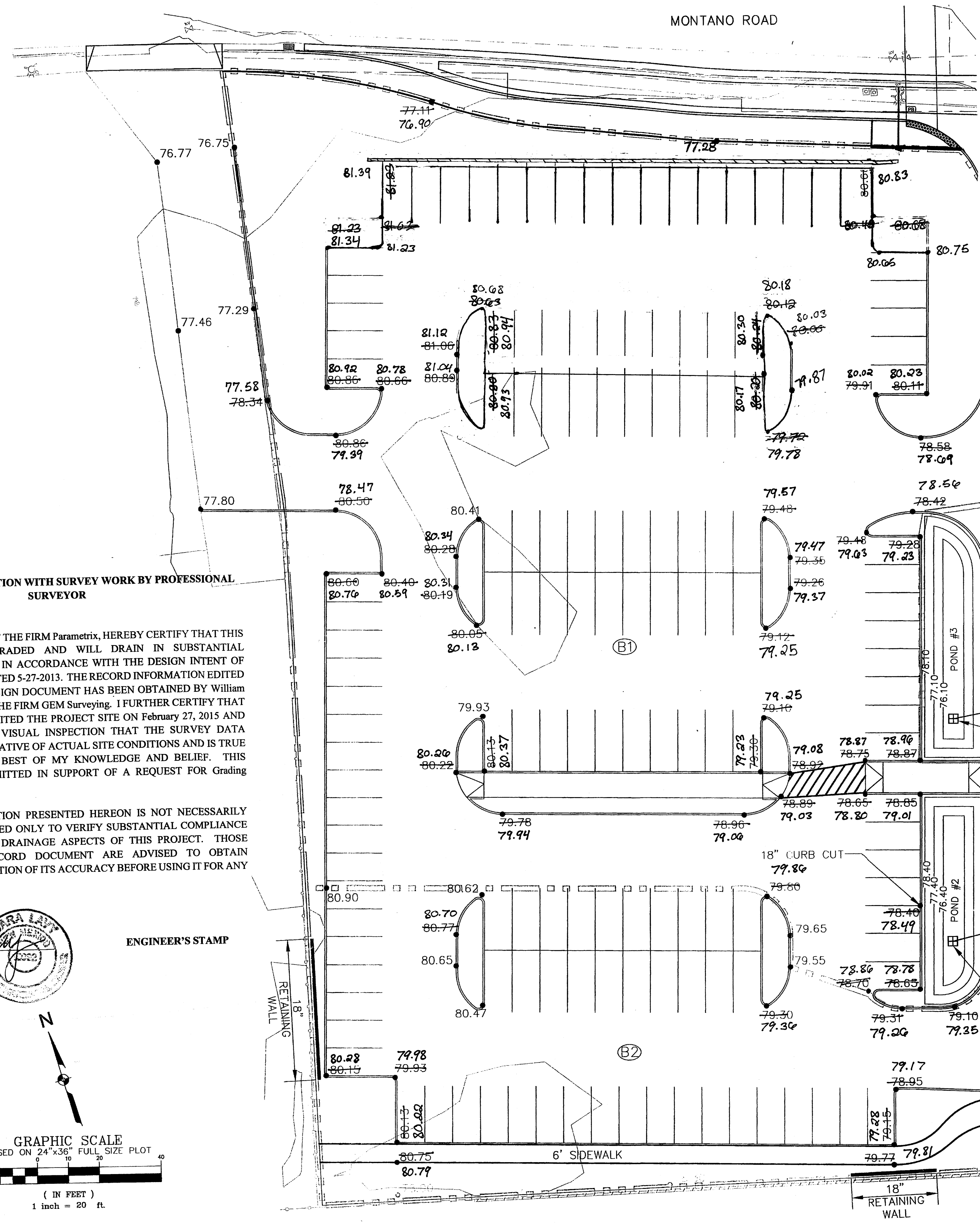
SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
NO.	BY	DATE	NGS STAINLESS ROD SET BENEATH A 5 1/2" ACCESS COVER STAMPED "D-438, 1984"	CONTRACTOR	DATE
			SE QUADRANT OF MONTANO RD. & THE BNSF RAILROAD TRACKS, 42.5 FT. EAST OF CENTERLINE OF THE TRACKS, 44 FT. SOUTH OF CENTERLINE OF MONTANO RD. NE, 1.1 FT. WEST OF CHAIN LINK FENCE.	WORKED BY	DATE
				INSPECTOR'S ACCEPTANCE BY	DATE
				VERIFICATION BY	DATE
				COMPLETED BY	DATE
			MICRO-FILM INFORMATION		
				RECORDED BY	DATE
				NO.	
				DATUM	NAD 1988
				ELEV.	4978.070

ENGINEER'S SEAL		REVISIONS	
			
NO.	DATE	REMARKS	BY
		DESIGN	
DESIGNED BY	SL	DATE	05/2013
DRAWN BY	BN	DATE	05/2013
CHECKED BY	CB	DATE	05/2013

TITLE: NEW MEXICO RAIL RUNNER EXPRESS
MONTANO STATION
PERMANENT SIGNING & STRIPING PLAN



Sheet No. C-016



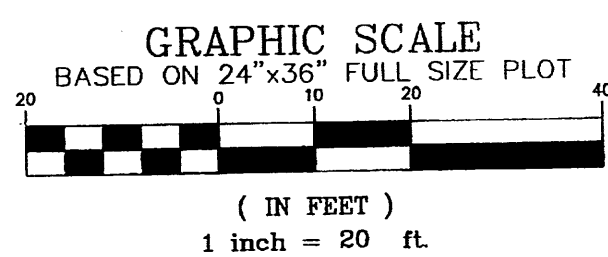
DRAINAGE CERTIFICATION WITH SURVEY WORK BY PROFESSIONAL SURVEYOR

I, Sara Lavy, NMPE 15092, OF THE FIRM Parametrix, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 5-27-2013. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY William T. Moore, NMPS 15072 OF THE FIRM GEM Surveying. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON February 27, 2015 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR Grading Certification.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THE RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

Signature of Engineer
3/13/15
Date

ENGINEER'S STAMP



GENERAL NOTES

- 1.) ALL ELEVATIONS ARE FLOWLINE UNLESS OTHERWISE NOTED.
- 2.) ADD 4900 FEET TO ALL POINTS TO GET MEAN SEA ELEVATIONS.
- 3.) CAUTION-ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM RESEARCH, AS BUILTS, SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS PRIOR TO STARTING THE WORK. ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.
- 4.) REFER TO SHEETS C-011 & C-012 FOR HORIZONTAL LOCATIONS.

DRAINAGE INFORMATION

DRAINAGE BASIN B1
AREA=1.37 AC
Q10=3.97 CFS
Q100=6.16 CFS

DRAINAGE BASIN B2
AREA=0.43 AC
Q10=1.27 CFS
Q100=1.96 CFS

POND 2
TOP OF POND ELEV.=78.40
BOTTOM OF POND ELEV.=76.40
MAX WSE=78.35
MAX VOLUME=0.0406 AC-FT.
INSTALL 9\"/>

LEGEND

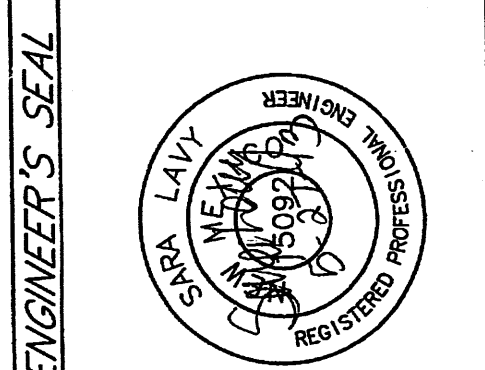
- EXISTING MINOR CONTOURS
- EXISTING MAJOR CONTOURS
- DRAINAGE BASINS
- DRAINAGE BASIN NUMBER
- PROPOSED SPOT ELEVATION
- 6\"/>
- TYPE B PARALLEL CURB RAMP
SEE SHT. C-010 FOR DETAIL
- 6\"/>
- STORM DRAIN
- DROP INLET
- WATERBLOCK
- SIDEWALK CULVERT
- 18\"/>

TITLE: NEW MEXICO RAIL RUNNER EXPRESS
MONTANO STATION
PARKING LOT GRADING & DRAINAGE PLAN

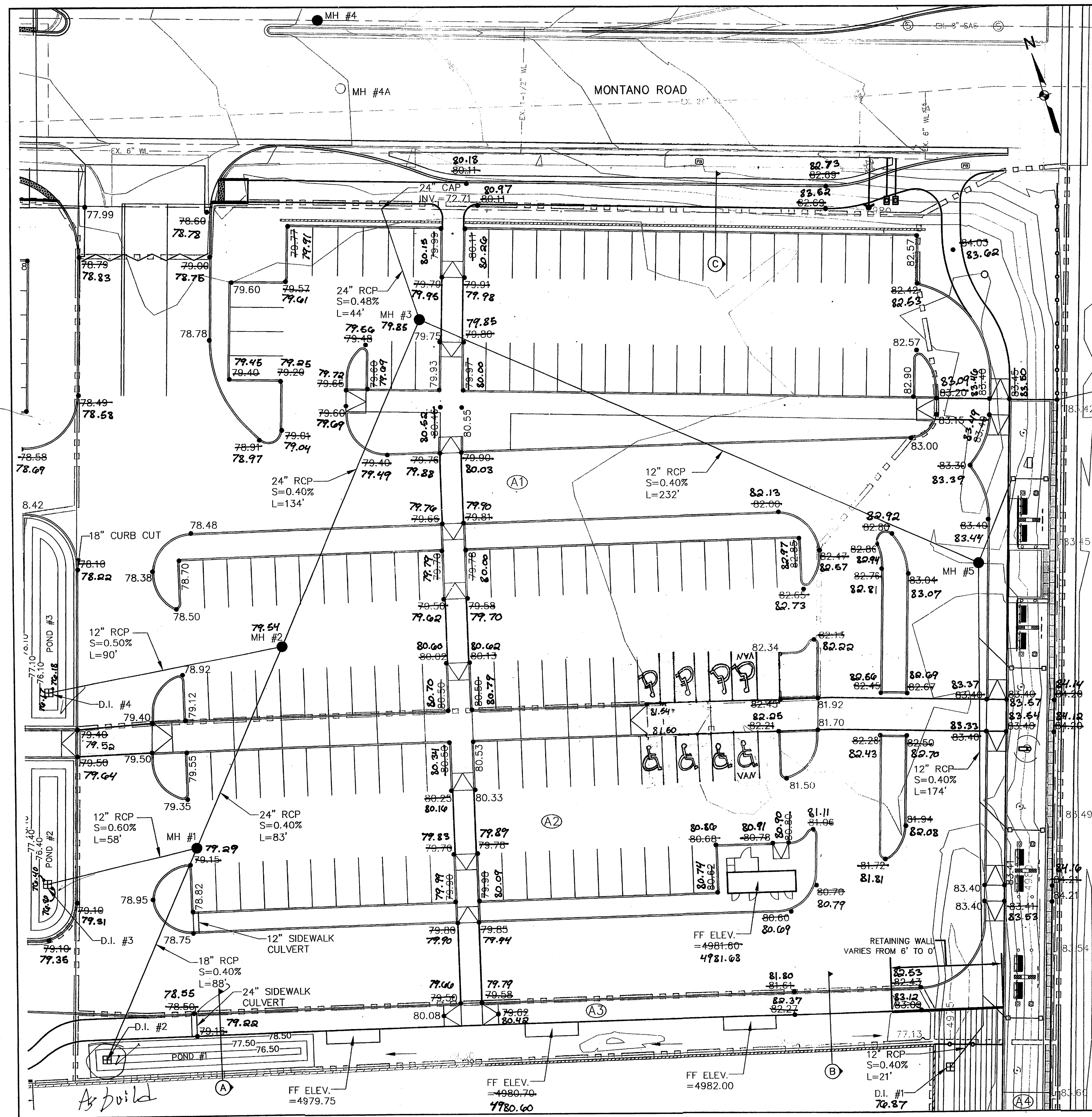


Sheet No. C-006

BENCH MARKS
NOS STAINLESS ROD SET BENEATH A 5 1/2\"/>



DESIGNED BY SL DATE 05/2013
DRAWN BY BN DATE 05/2013
CHECKED BY CB DATE 05/2013



GENERAL NOTES

- 1.) ALL ELEVATIONS ARE FLOWLINE UNLESS OTHERWISE NOTED
- 2.) ADD 4900 FEET TO ALL POINTS TO GET MEAN SEA ELEVATIONS.
- 3.) CAUTION-ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM RESEARCH, AS BUILTS, SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS PRIOR TO STARTING THE WORK. ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.
- 4.) SEE SHEET C-008 FOR SECTIONS A-A, B-B, AND C-C.
- 5.) LANDSCAPED AREAS SHALL BE DEPRESSED A MINIMUM OF 6".

DRAINAGE INFORMATION

DRAINAGE BASIN A1
AREA=1.31 AC
Q10=3.81 CFS
Q100=5.90 CFS

DRAINAGE BASIN A2
AREA=1.27 AC
Q10=3.71 CFS
Q100=5.74 CFS

DRAINAGE BASIN A3
AREA=0.16 AC
Q10=0.35 CFS
Q100=0.61 CFS

DRAINAGE BASIN A4
AREA=0.32 AC
Q10=0.67 CFS
Q100=1.17 CFS

POND 1
TOP OF POND ELEV.=78.45
BOTTOM OF POND ELEV.=76.70
MAX WSE=76.67
MAX VOLUME=0.0817 AC-FT.
INSTALL 12" ORIFICE PLATE

SINGLE D GRATES
COA STD. DWG 2206

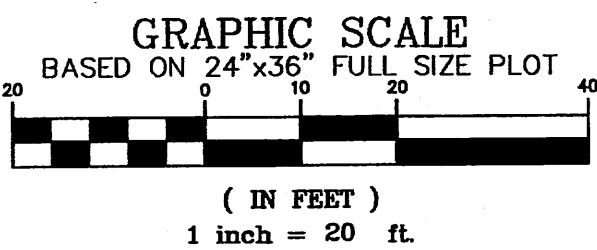
SIDEWALK CULVERTS
COA STD. DWG 2236

MANHOLES			
NO.	RIM ELEV.	INV. (IN)	INV. (OUT)
1	79.19	74.06	73.96
2	79.29	73.63	73.53
3	79.67	73.00	72.90
4	79.30	69.20	-
4A	78.95	72.50	72.40
5	83.35	73.94	74.04

DROP INLETS		
NO.	GRATE ELEV.	INV. ELEV.
1	76.70	74.70
2	76.50	74.40
3	76.40	74.40
4	76.10	74.10

LEGEND

- EXISTING MINOR CONTOURS
- EXISTING MAJOR CONTOURS
- DRAINAGE BASINS
- DRAINAGE BASIN NUMBER
- PROPOSED SPOT ELEVATION
- 6" CONCRETE HEADER CURB
- TYPE B PARALLEL CURB RAMP
SEE SHT. C-010 FOR DETAIL
- 6' CHAIN LINK FENCE
SEE SHEET C-019
- STORM DRAIN
- DROP INLET
- WATERBLOCK
- SIDEWALK CULVERT

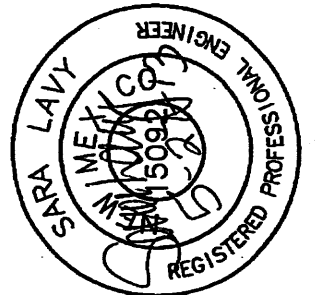


TITLE: NEW MEXICO RAIL RUNNER EXPRESS
MONTANO STATION
PARKING LOT GRADING & DRAINAGE PLAN

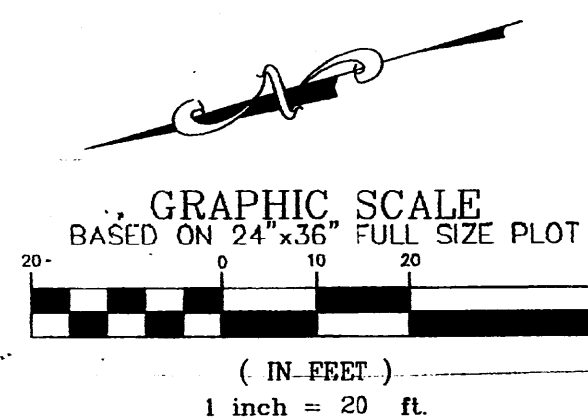


Sheet No. C-007

BENCH MARKS	NGS STAINLESS ROD SET BENEATH A 5 1/2"
	ACCESS COVER STAMPED "D-438, 1984"
	SE QUADRANT OF MONTANO RD. & THE
	BNSF RAILROAD TRACKS, 42.5 FT. EAST OF
ENGINEER'S SEAL	CENTERLINE OF THE TRACKS, 44 FT. SOUTH
	OF CENTERLINE OF MONTANO RD. NE, 1.1 FT.
	WEST OF CHAIN LINK FENCE.
	DATUM NAVD 1988
ELEV. 4978.070	

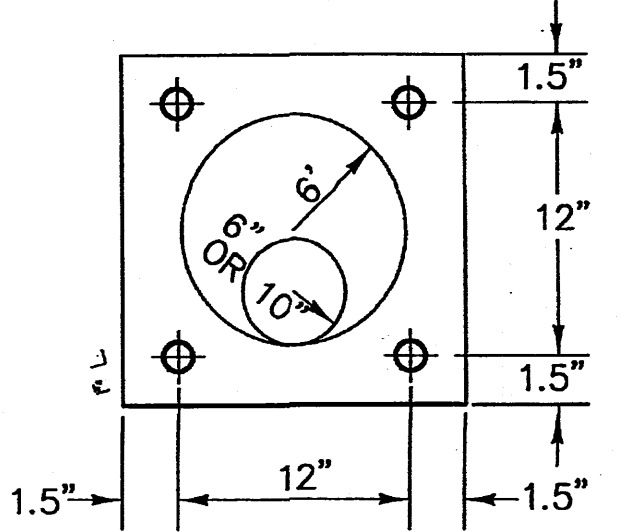
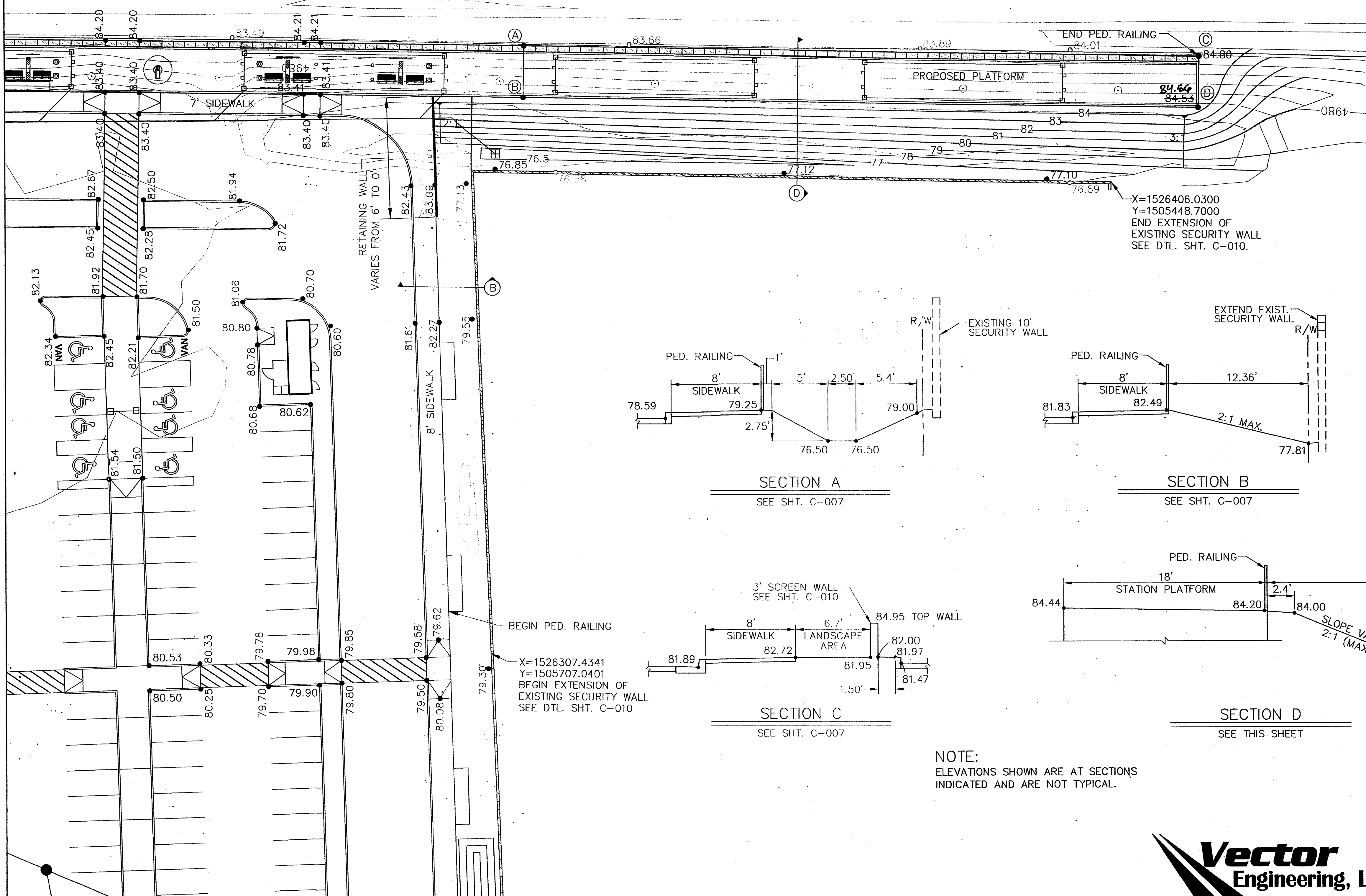


DESIGNED BY	SL	DATE	03/2013
DRAWN BY	BN	DATE	03/2013
CHECKED BY	CB	DATE	03/2013

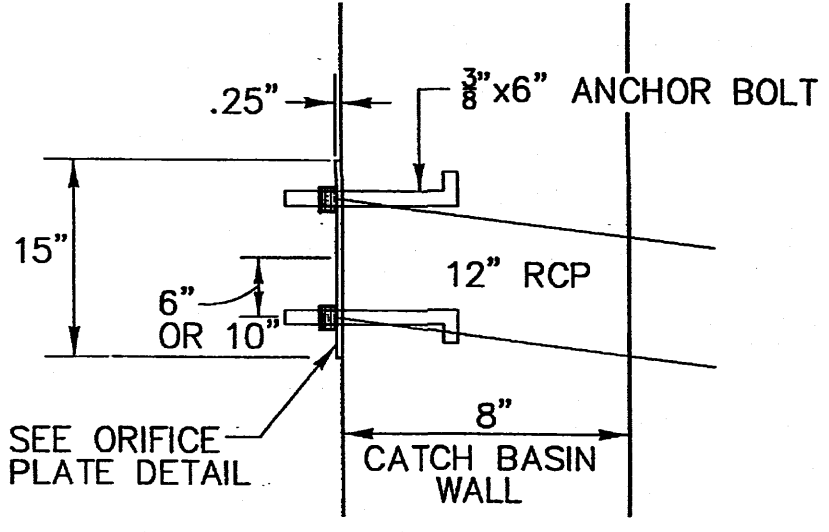


⑦
PLATFORM LOCATION DATA

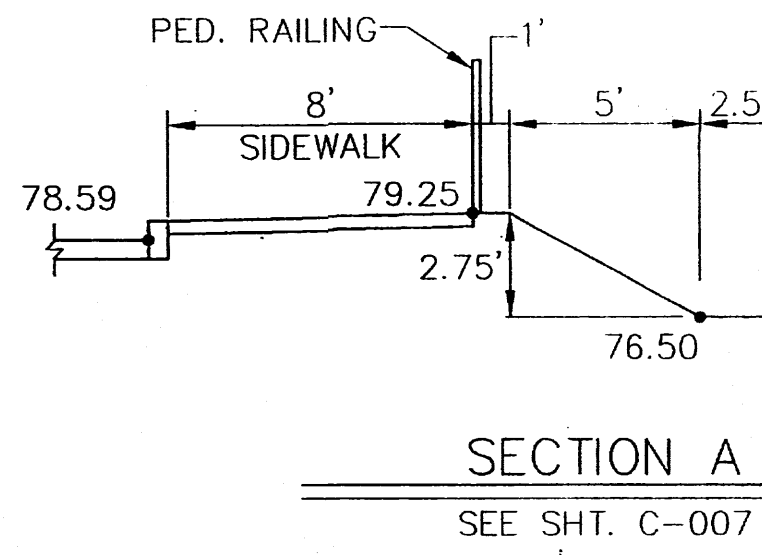
LOCATION	X VALUE	Y VALUE
A	1526509.5055	1505636.2634
B	1526492.3757	1505641.5381
C	1526439.2558	1505406.7994
D	1526422.0460	1505412.0741



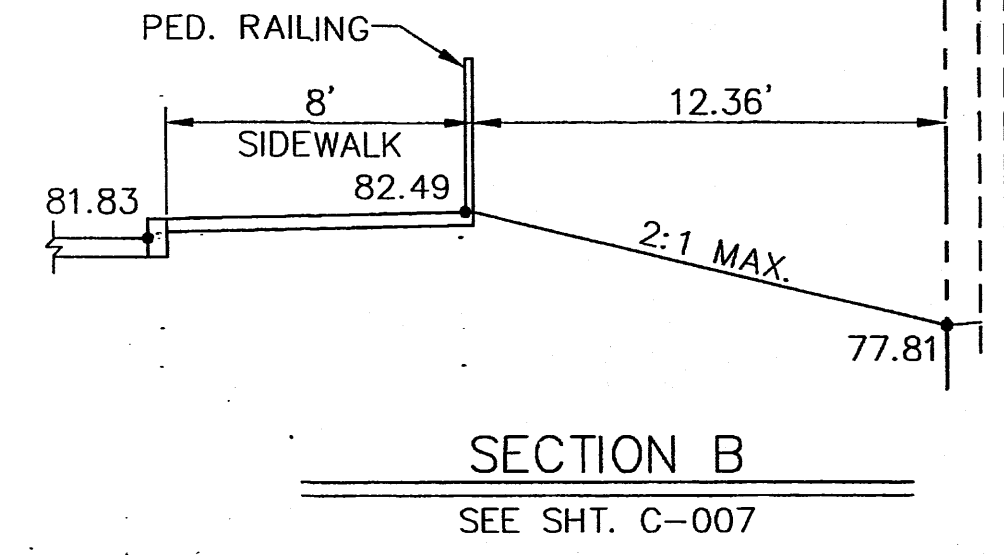
TYP. ORIFICE PLATE DETAIL
SCALE: NONE



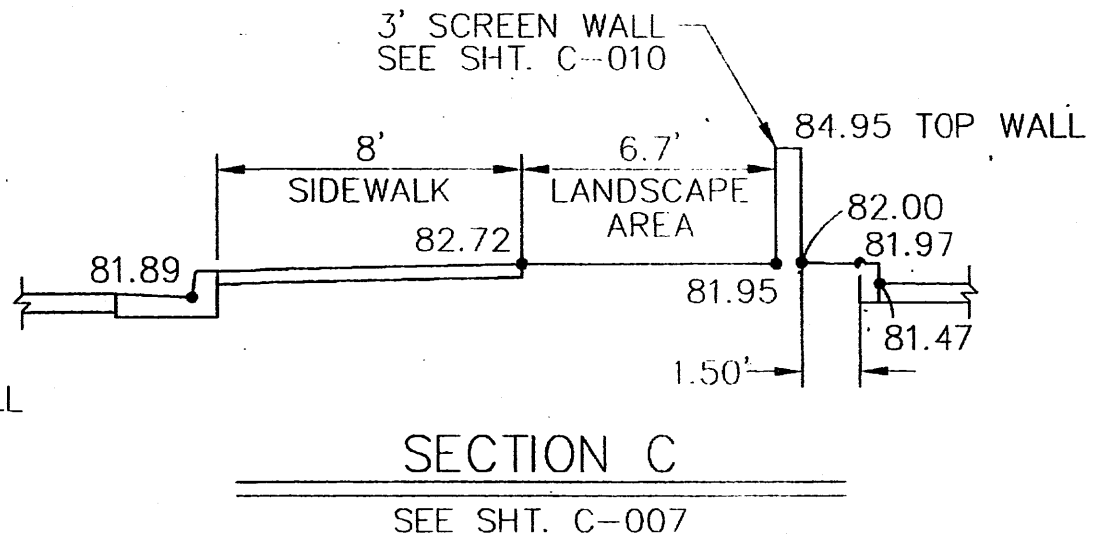
DETAIL "A"
SCALE: NONE



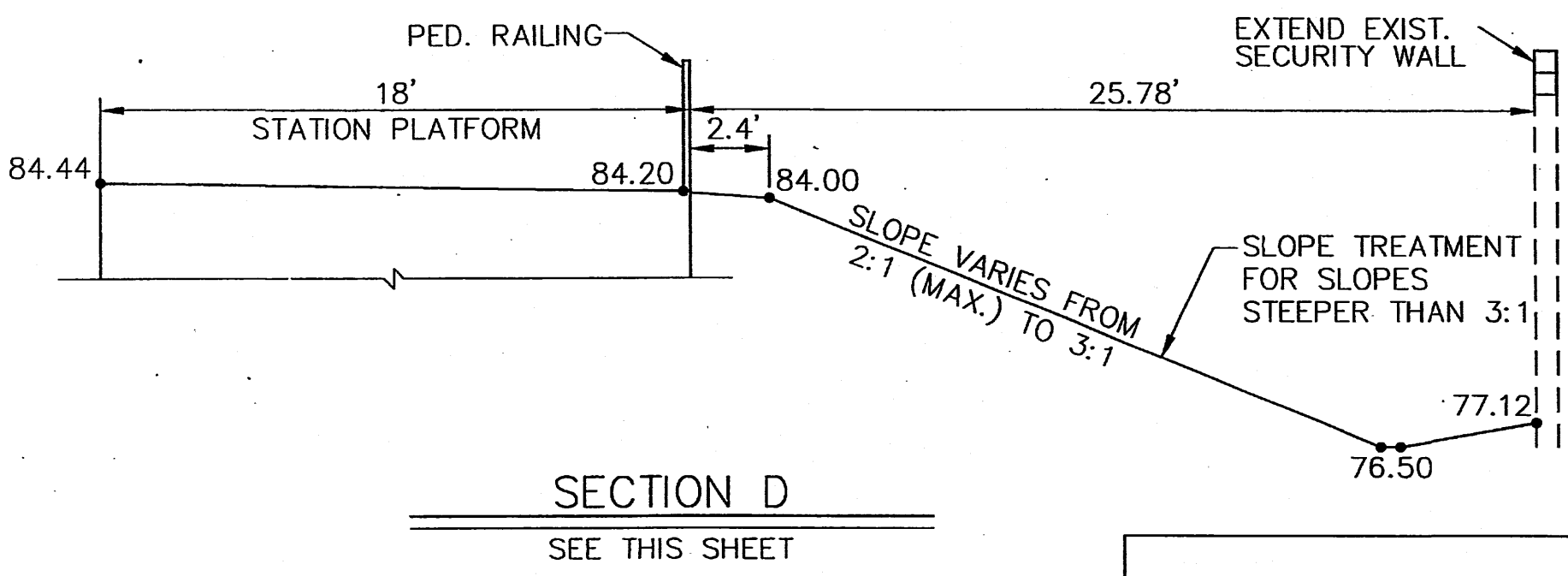
SECTION A
SEE SHT. C-007



SECTION B
SEE SHT. C-007



SECTION C
SEE SHT. C-007

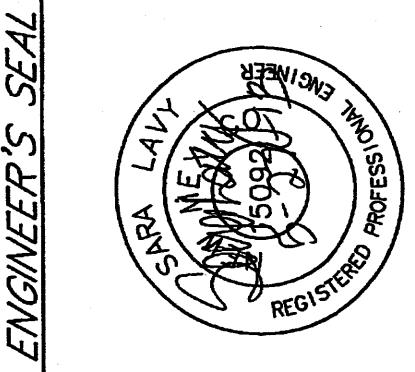


SECTION D
SEE THIS SHEET

NOTE:
ELEVATIONS SHOWN ARE AT SECTIONS
INDICATED AND ARE NOT TYPICAL.

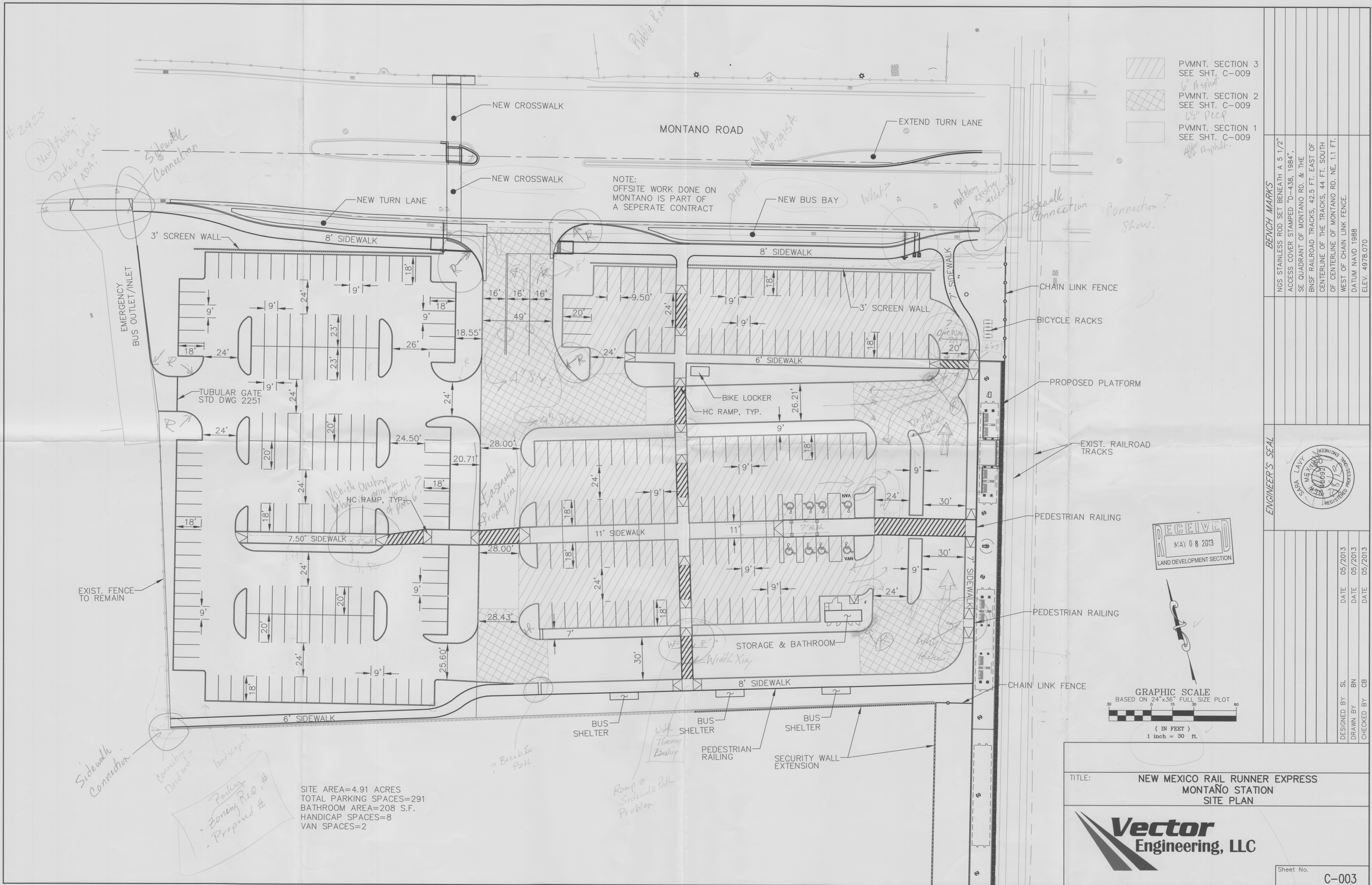


BENCH MARKS
NGS STAINLESS ROD SET BENEATH A 5 1/2"
ACCESS COVER STAMPED "D-438, 1984",
SE QUADRANT OF MONTANO RD. & THE
BNSF RAILROAD TRACKS. 42.5 FT. EAST OF
CENTERLINE OF THE TRACKS, 44 FT. SOUTH
OF CENTERLINE OF MONTANO RD. NE, 1.1 FT.
WEST OF CHAIN LINK FENCE.
DATUM NAVD 1988
ELEV. 4978.070



DESIGNED BY	SL	DATE	05/2013
DRAWN BY	BN	DATE	05/2013
CHECKED BY	CB	DATE	05/2013

TITLE: NEW MEXICO RAIL RUNNER EXPRESS
MONTANO STATION
GRADING PLAN CONT'D & SECURITY WALL LOCATION

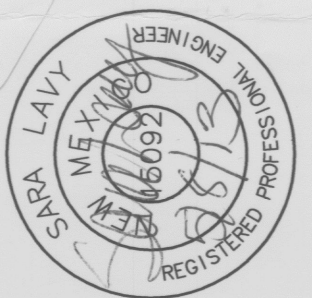


PVMT. SECTION 3
SEE SHT. C-009

PVMT. SECTION 2
SEE SHT. C-009

PVMT. SECTION 1
SEE SHT. C-009

BENCH MARKS	NGS STAINLESS ROD SET BENEATH A 5 1/2"
	ACCESS COVER STAMPED "D-438, 1984",
	SE QUADRANT OF MONTANO RD. & THE
	BNSF RAILROAD TRACKS, 42.5 FT. EAST OF
	CENTERLINE OF THE TRACKS, 44 FT. SOUTH
ENGINEER'S SEAL	OF CENTERLINE OF MONTANO RD. NE. 1.1 FT.
	WEST OF CHAIN LINK FENCE.
	DATUM NAVD 1988
	ELEV. 4978.070

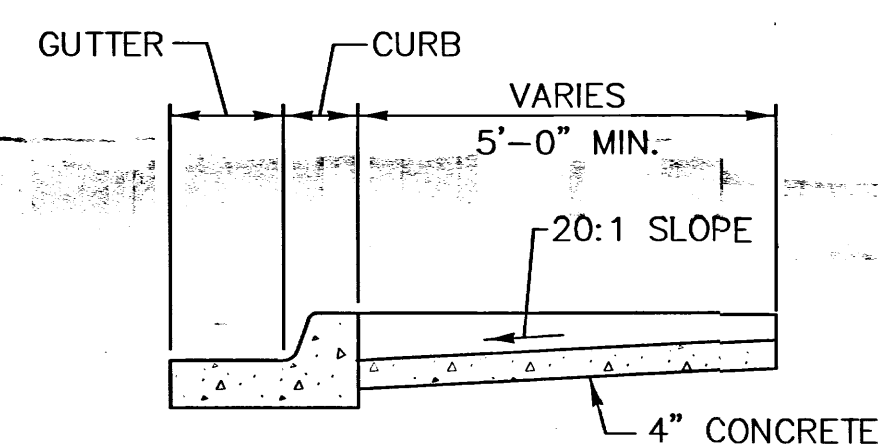
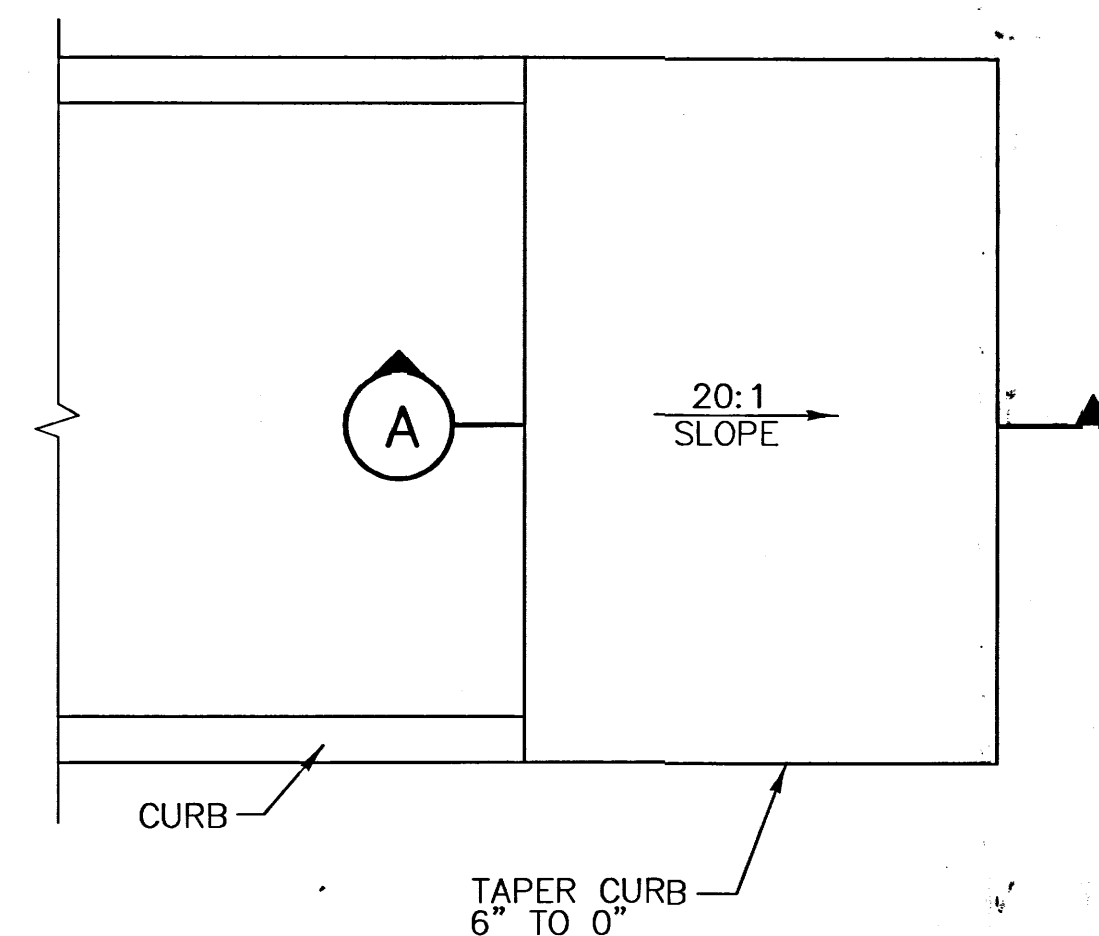


DESIGNED BY	SL	DATE	05/2013
DRAWN BY	BN	DATE	05/2013
CHECKED BY	CB	DATE	05/2013

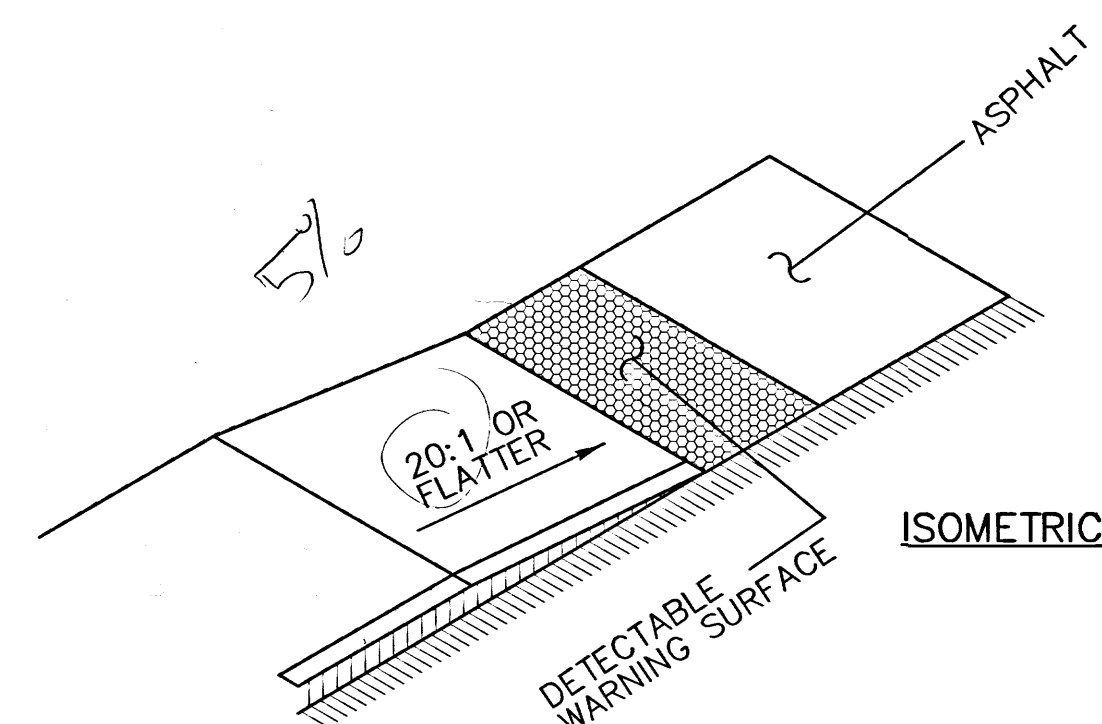
TITLE: NEW MEXICO RAIL RUNNER EXPRESS
MONTANO STATION
SITE PLAN



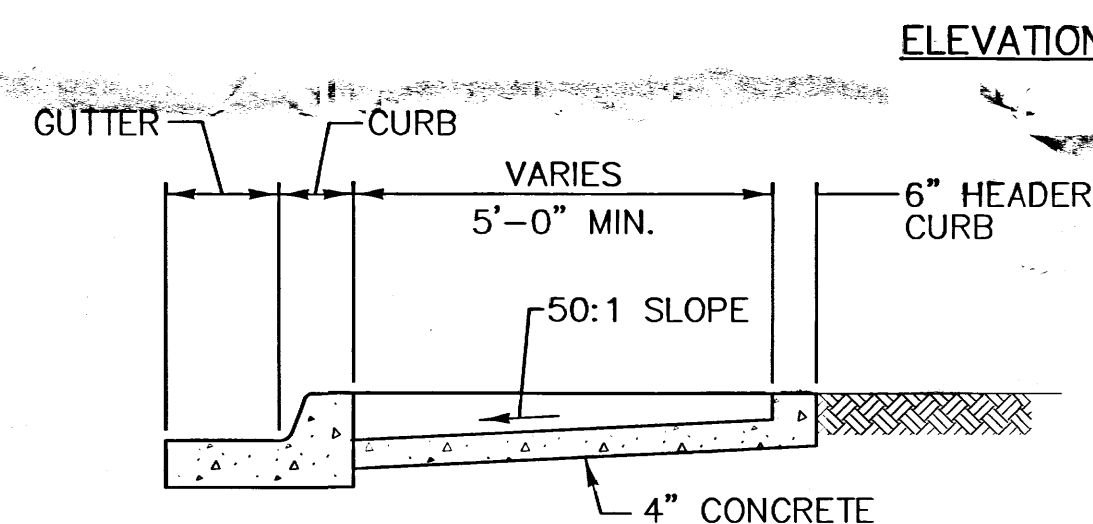
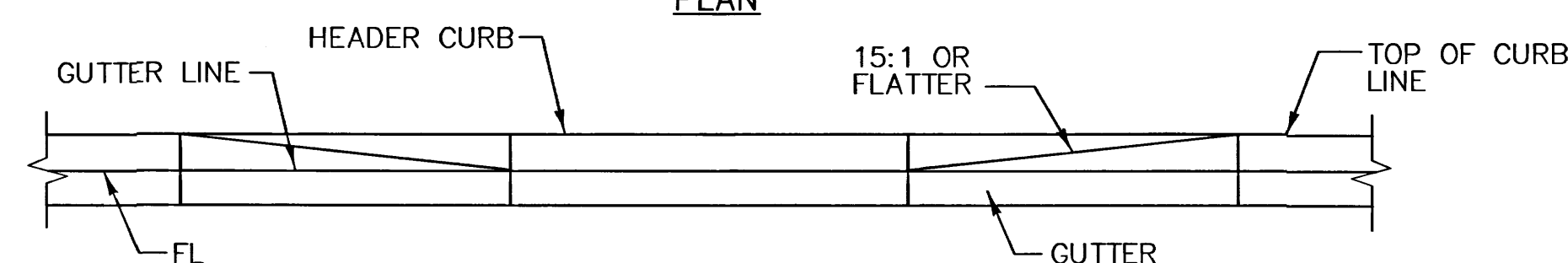
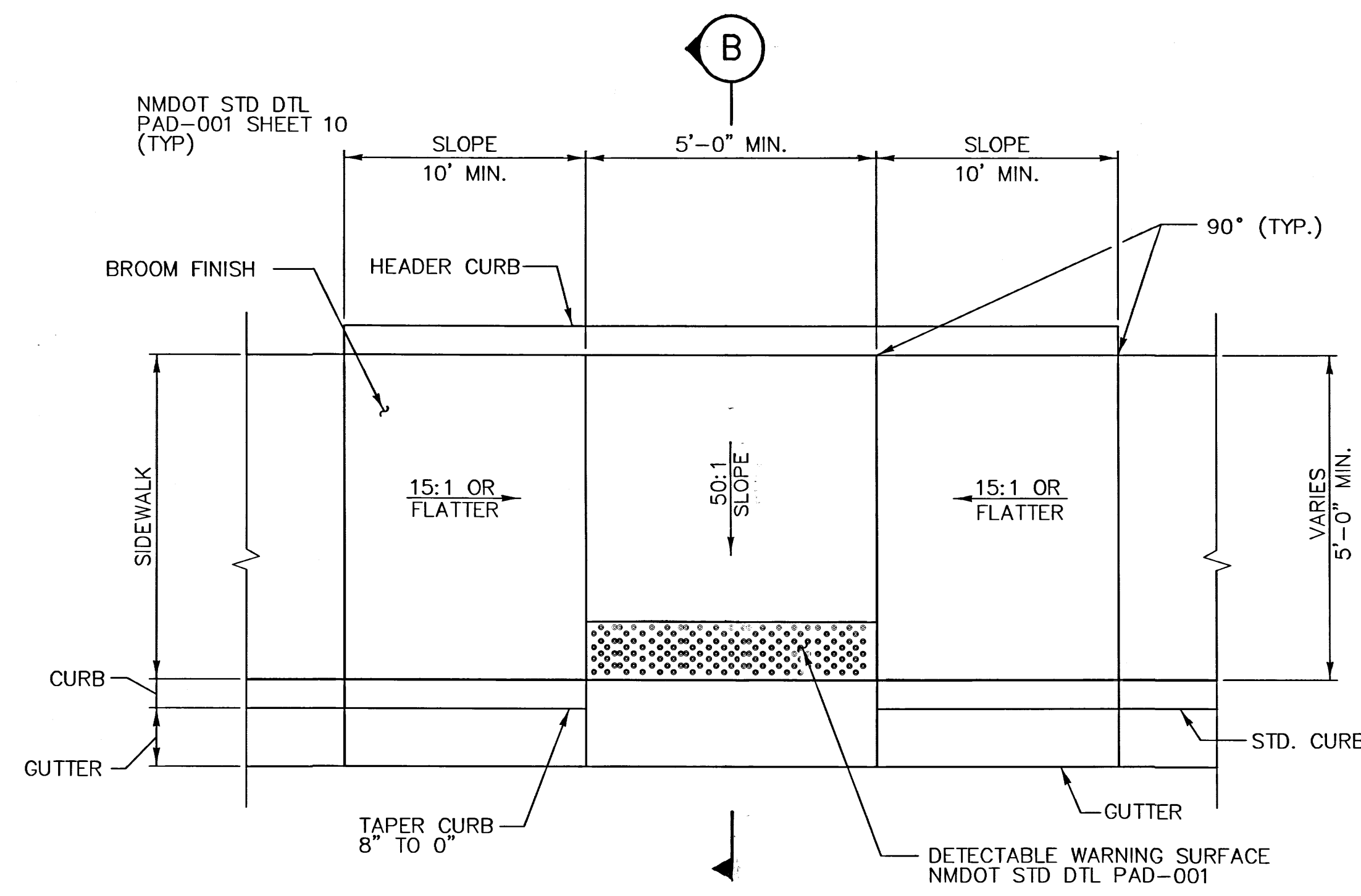
Sheet No. C-003



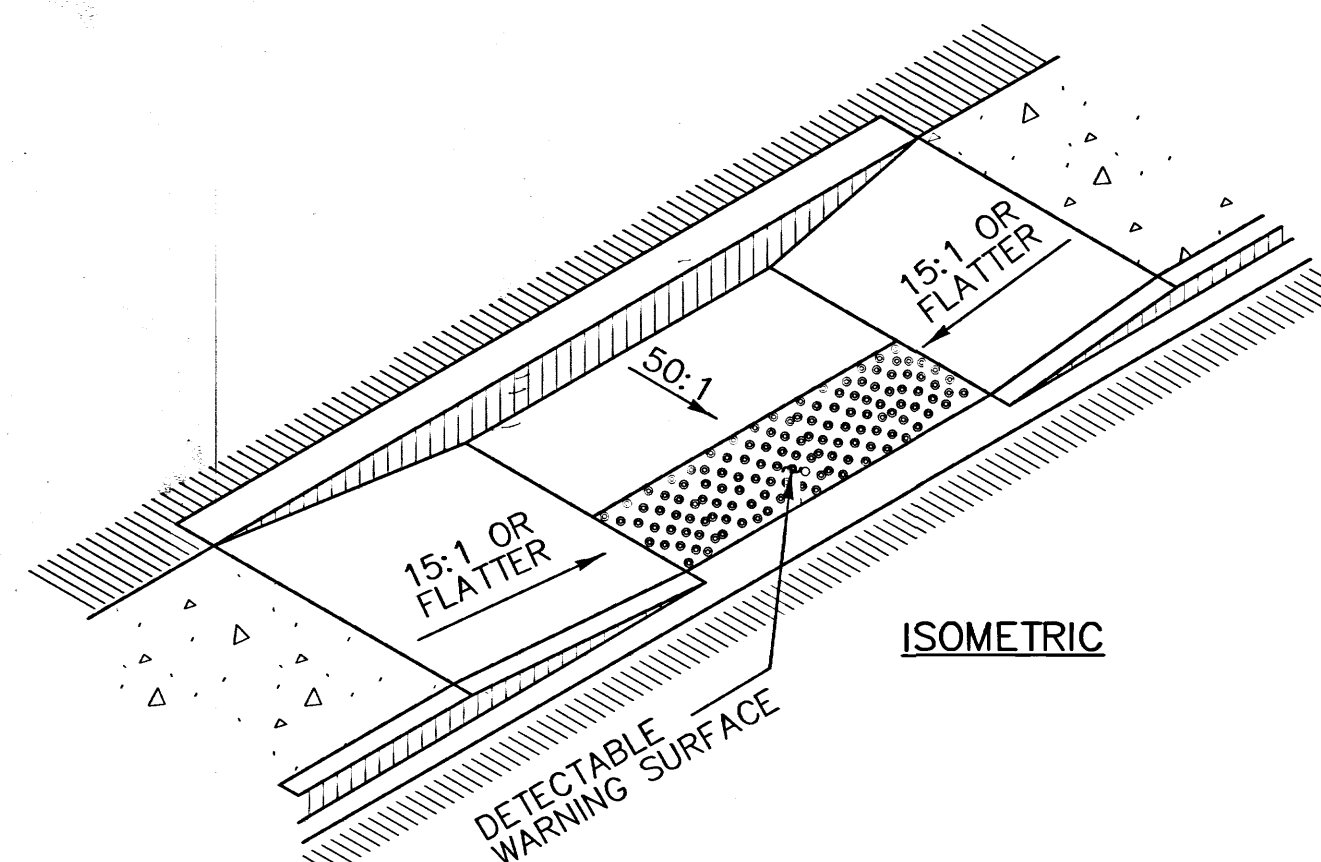
SECTION A
SCALE: NONE



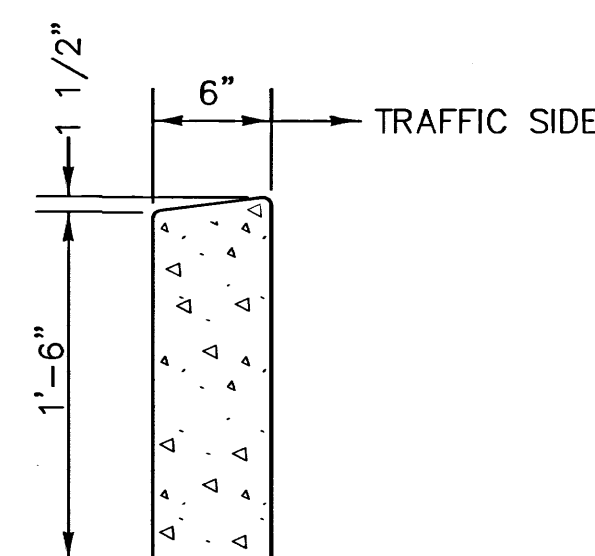
TYPE A CURB RAMP
SCALE: NONE



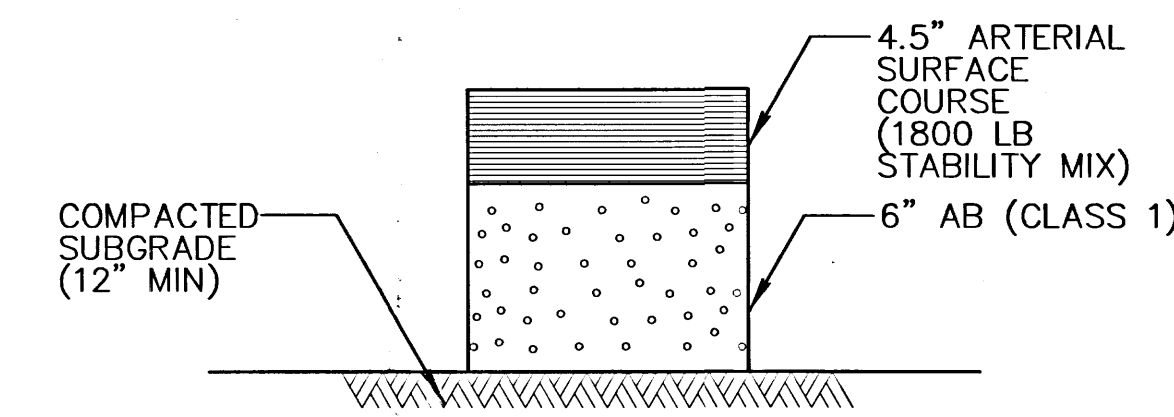
SECTION B
SCALE: NONE



TYPE B PARALLEL CURB RAMP
SCALE: NONE

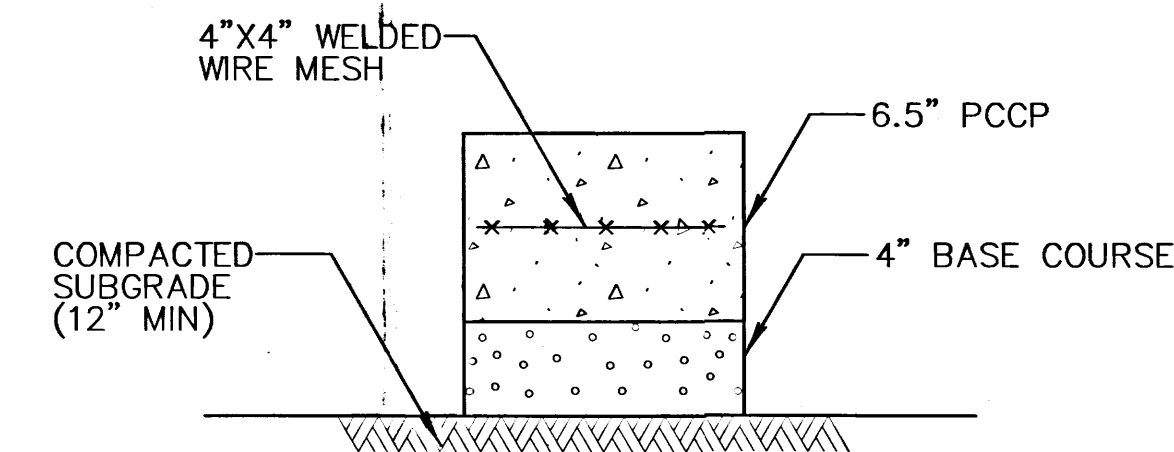


HEADER CURB DETAIL
SCALE: NONE



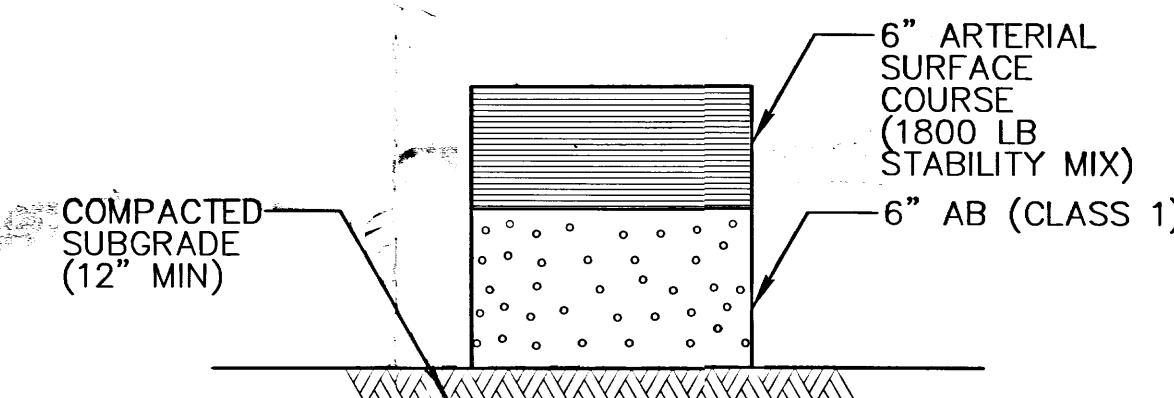
PAVEMENT STRUCTURAL SECTION NO. 1

PARKING LOTS
AND AS NOTED ON PLANS
NOTE: REMOVE EXISTING SOILS A MINIMUM OF 2' AND REPLACE WITH MINIMUM R-VALUE OF 50 MATERIAL



PAVEMENT STRUCTURAL SECTION NO. 2

BUS LANE & LOADING AREAS
AND AS NOTED ON PLANS
NOTE: REMOVE EXISTING SOILS A MINIMUM OF 2' AND REPLACE WITH MINIMUM R-VALUE OF 50 MATERIAL

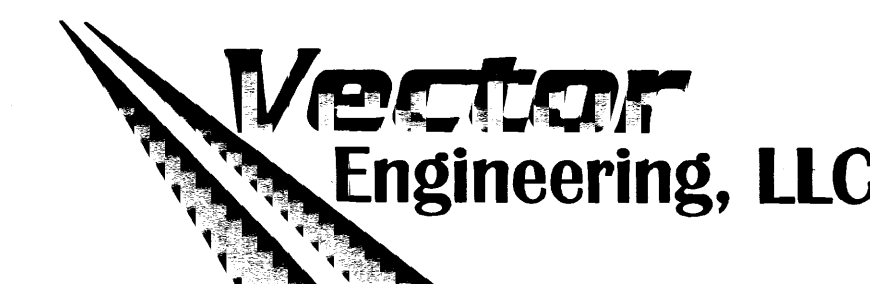


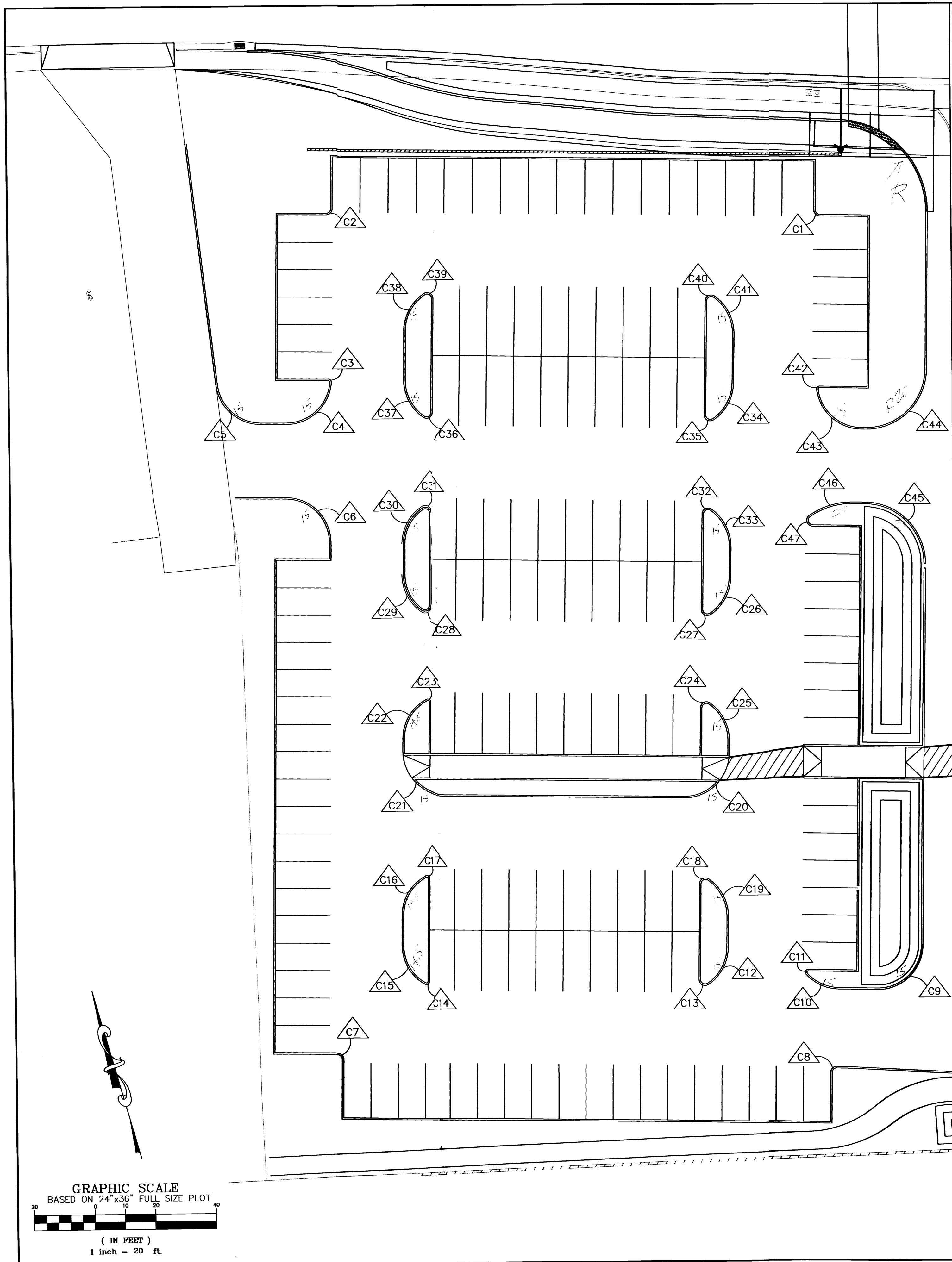
PAVEMENT STRUCTURAL SECTION NO. 3

HEAVY DUTY PAVEMENT AREAS
AND AS NOTED ON PLANS
NOTE: REMOVE EXISTING SOILS A MINIMUM OF 2' AND REPLACE WITH MINIMUM R-VALUE OF 50 MATERIAL

BENCH MARKS		NOS STAINLESS ROD SET BENEATH A 5 1/2" ACCESS COVER STAMPED "D-438, 1984".
ENGINEER'S SEAL		SEAL OF THE PROFESSIONAL ENGINEER
DESIGNED BY	SL	DATE 05/2013
DRAWN BY	BN	DATE 05/2013
CHECKED BY	CB	DATE 05/2013

TITLE: NEW MEXICO RAIL RUNNER EXPRESS
MONTANO STATION
PARKING LOT DETAIL SHEET



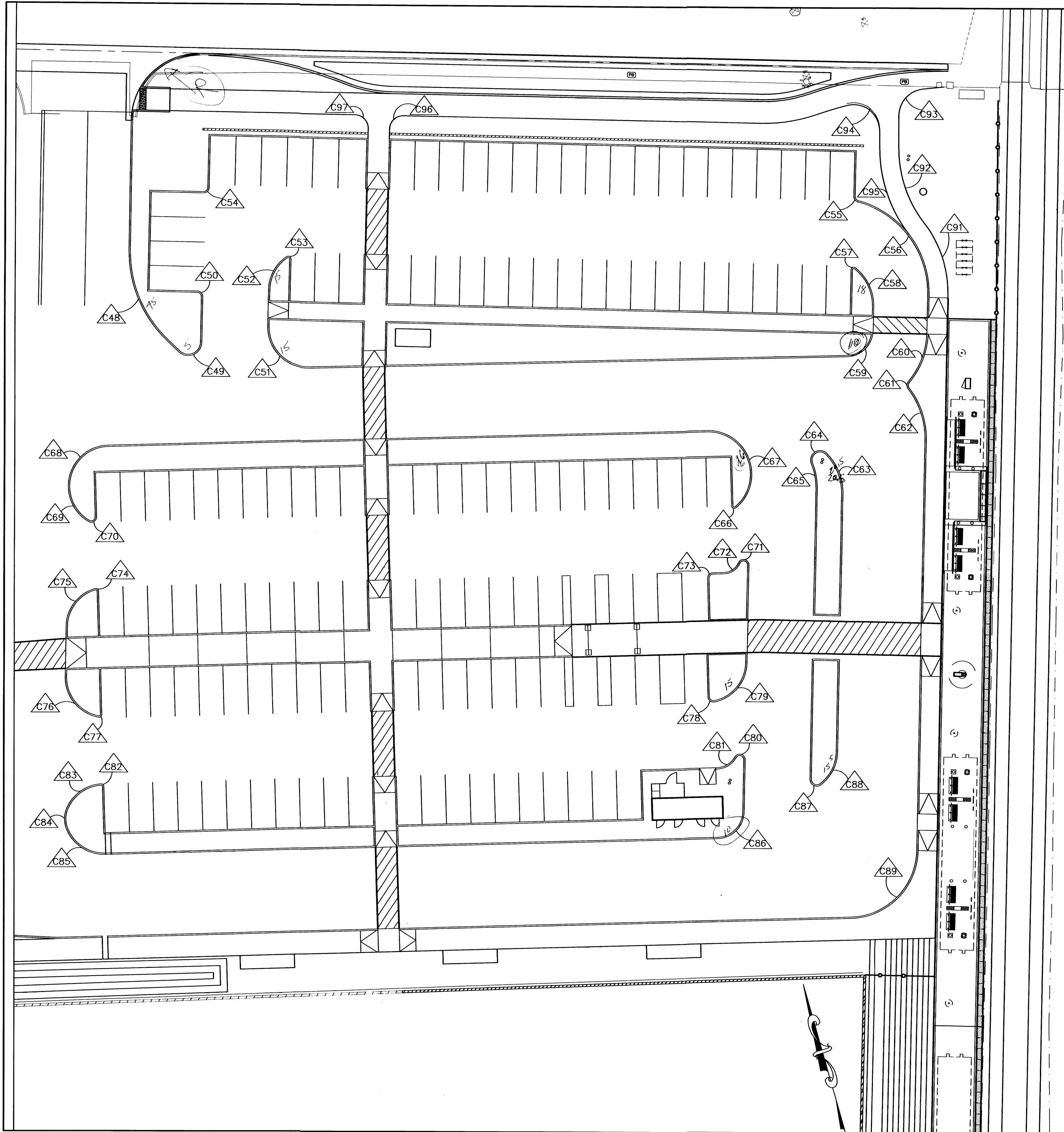


△ CURVE DATA				
CURVE NO.	RADIUS	TANGENT LENGTH	ARC LENGTH	DELTA
C1	2.00'	2.00'	3.14'	90°00'00"
C2	2.00'	2.00'	3.14'	90°00'00"
C3	2.00'	1.64'	1.07'	94°05'45.76"
C4	15.00'	13.96'	22.49'	85°54'14.24"
C5	15.00'	13.13'	21.57'	82°22'33.97"
C6	15.00'	15.00'	23.56'	90°00'00"
C7	2.00'	2.00'	3.14'	90°00'00"
C8	2.00'	2.00'	3.14'	90°00'00"
C9	15.00'	15.05'	23.59'	90°05'20.91"
C10	15.00'	6.46'	12.18'	46°30'33.38"
C11	2.00'	2.33'	2.33'	133°34'47.53"
C12	15.00'	7.90'	14.54'	55°32'39.39"
C13	2.00'	3.80'	4.34'	124°27'20.61"
C14	2.00'	1.67'	2.06'	118°04'59.67"
C15	14.50'	8.69'	15.67'	61°55'00.33"
C16	14.50'	8.69'	15.67'	61°55'00.33"
C17	2.00'	1.67'	2.06'	118°04'59.67"
C18	2.00'	3.80'	4.34'	124°27'20.61"
C19	15.00'	7.90'	14.54'	55°32'39.39"
C20	15.00'	15.00'	23.56'	90°00'00"
C21	15.00'	15.00'	23.56'	90°00'00"
C22	14.50'	8.70'	15.67'	61°55'00.33"
C23	2.00'	1.67'	2.06'	118°04'59.67"
C24	2.00'	4.34'	3.80'	124°27'20.61"
C25	15.00'	7.90'	14.54'	55°32'39.39"
C26	15.00'	7.90'	14.54'	55°32'39.39"
C27	2.00'	3.80'	4.34'	124°27'20.61"
C28	2.00'	3.80'	4.34'	124°27'24.02"
C29	15.00'	7.90'	14.54'	55°32'35.99"
C30	15.00'	7.90'	14.54'	55°32'35.99"
C31	2.00'	3.80'	4.34'	124°27'24.02"
C32	2.00'	3.80'	4.34'	124°27'20.61"
C33	15.00'	7.90'	14.54'	55°32'35.99"
C34	15.00'	7.90'	14.54'	55°32'35.99"
C35	2.00'	3.80'	4.34'	124°27'24.02"
C36	2.00'	3.80'	4.34'	124°27'20.61"
C37	15.00'	7.90'	14.54'	55°32'35.99"
C38	15.00'	7.90'	14.54'	55°32'35.99"
C39	2.00'	3.80'	4.34'	124°27'24.02"
C40	2.00'	3.80'	4.34'	124°27'20.61"
C41	15.00'	7.90'	14.54'	55°32'35.99"
C42	2.00'	1.15'	1.71'	98°12'47.56"
C43	15.00'	13.00'	21.42'	253°47'12"
C44	20.00'	20.03'	31.54'	90°05'57.96"
C45	20.00'	19.97'	31.38'	89°54'02.04"
C46	25.00'	7.89'	15.30'	35°02'52.35"
C47	2.00'	6.33'	5.06'	144°57'07.65"

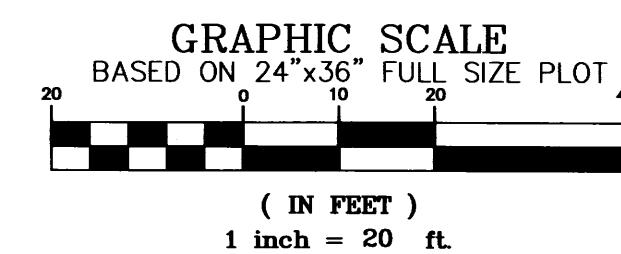
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TITLE: NEW MEXICO RAIL RUNNER EXPRESS
MONTANO STATION
WESTSIDE PARKING LOT CURVE DATA





△ CURVE DATA				
CURVE NO.	RADIUS	TANGENT LENGTH	ARC LENGTH	DELTA
C48	45.00'	19.70'	37.14'	47°17'03.84"
C49	5.00'	11.34'	11.56'	132°25'05.88"
C50	2.00'	2.00'	2.83'	90°00'00"
C51	15.00'	15.69'	24.24'	92°34'53.04"
C52	15.00'	7.83'	14.44'	55°09'00.36"
C53	1.00'	1.92'	2.18'	124°50'59.64"
C54	2.00'	2.00'	3.14'	90°00'00"
C55	2.00'	1.59'	2.68'	76°53'24"
C56	34.50'	27.39'	46.30'	76°53'24"
C57	1.00'	2.02'	2.22'	127°12'11.52"
C58	18.00'	8.92'	16.56'	52°42'14.40"
C59	10.00'	9.56'	15.26'	87°25'06.96"
C60	30.00'	10.54'	20.28'	38°43'43.68"
C61	2.00'	1.60'	2.70'	77°27'27.36"
C62	30.00'	10.54'	20.28'	38°43'43.68"
C63	20.50'	8.71'	16.48'	46°03'10.44"
C64	3.50'	17.57'	9.62'	157°28'11.28"
C65	23.00'	4.79'	9.44'	23°31'22.08"
C66	1.00'	2.05'	2.24'	128°02'58.92"
C67	16.00'	42.84'	38.83'	139°05'54.96"
C68	15.00'	14.38'	22.93'	87°35'50.28"
C69	15.00'	8.75'	15.84'	60°30'54"
C70	2.00'	3.60'	4.26'	121°53'15.72"
C71	2.00'	10.15'	5.51'	157°41'46.68"
C72	6.00'	3.82'	6.81'	64°59'46.68"
C73	2.00'	2.00'	3.14'	90°00'00"
C74	1.00'	1.30'	1.83'	104°54'25.20"
C75	15.00'	9.78'	17.33'	66°12'45.72"
C76	15.00'	12.16'	20.44'	78°03'36.36"
C77	1.00'	1.23'	1.78'	101°47'25.80"
C78	2.00'	2.39'	3.49'	100°01'26.04"
C79	15.00'	11.99'	20.23'	77°16'33.96"
C80	2.00'	7.81'	5.28'	151°16'48.36"
C81	8.00'	4.49'	8.18'	58°34'48.36"
C82	1.00'	1.05'	1.62'	92°43'11.64"
C83	15.00'	8.89'	16.04'	61°16'37.92"
C84	10.00'	4.37'	8.24'	47°12'01.44"
C85	15.00'	10.27'	18.01'	68°48'09"
C86	10.00'	9.54'	15.24'	87°18'00"
C87	2.50'	5.12'	5.58'	127°58'47.64"
C88	15.50'	7.56'	14.07'	52°01'12.36"
C89	25.00'	23.85'	38.09'	87°18'00"
C90	-	-	-	-
C91	42.00'	14.79'	28.45'	38°48'26.64"
C92	45.00'	15.39'	29.66'	37°46'02.28"
C93	10.00'	8.87'	14.52'	83°10'02.28"
C94	10.00'	12.99'	18.30'	104°49'33.96"
C95	52.00'	17.79'	34.28'	110°11'03.12"
C96	5.00'	4.98'	7.84'	89°48'23.04"
C97	5.00'	5.02'	7.87'	90°11'36.96"



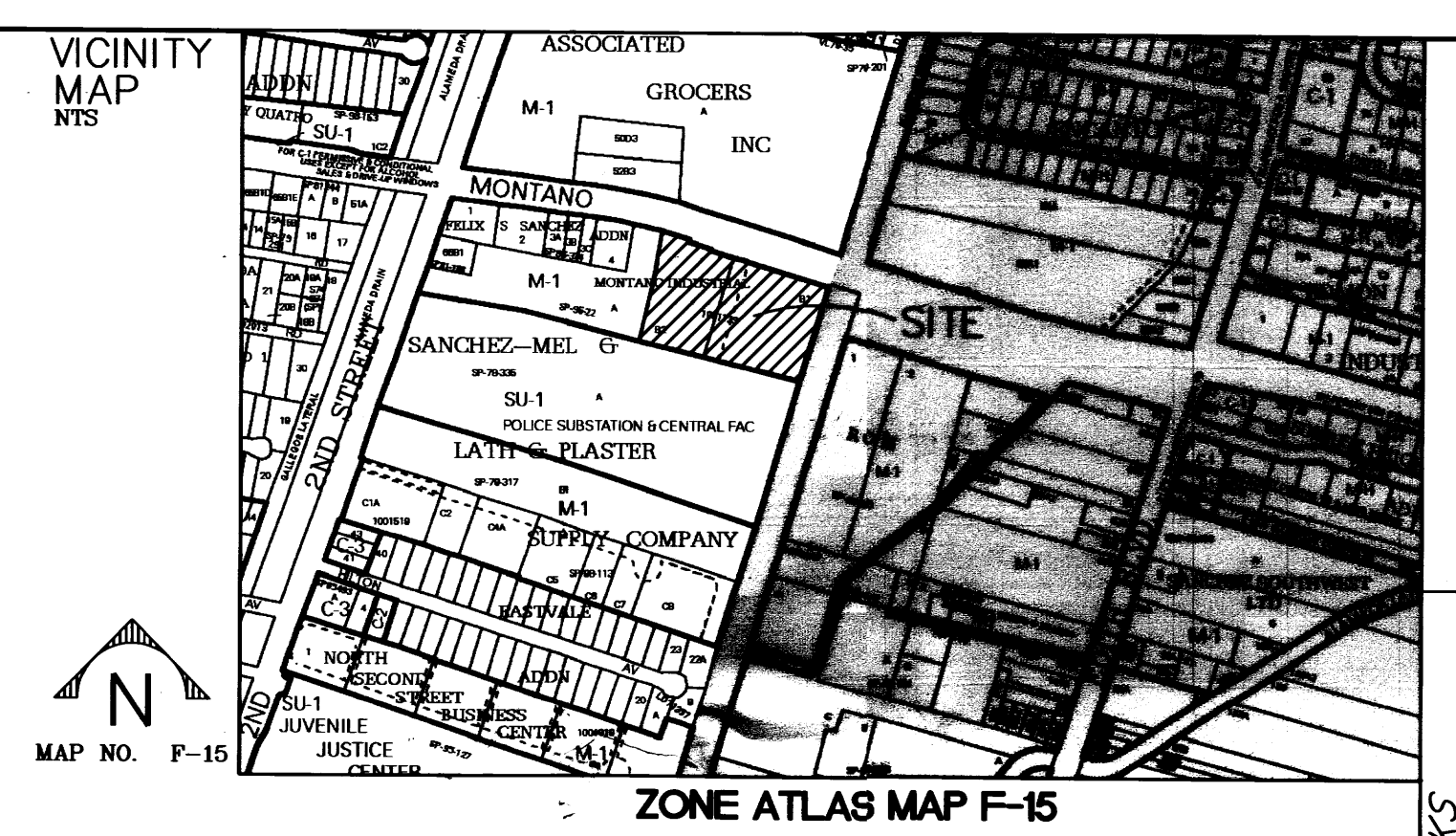
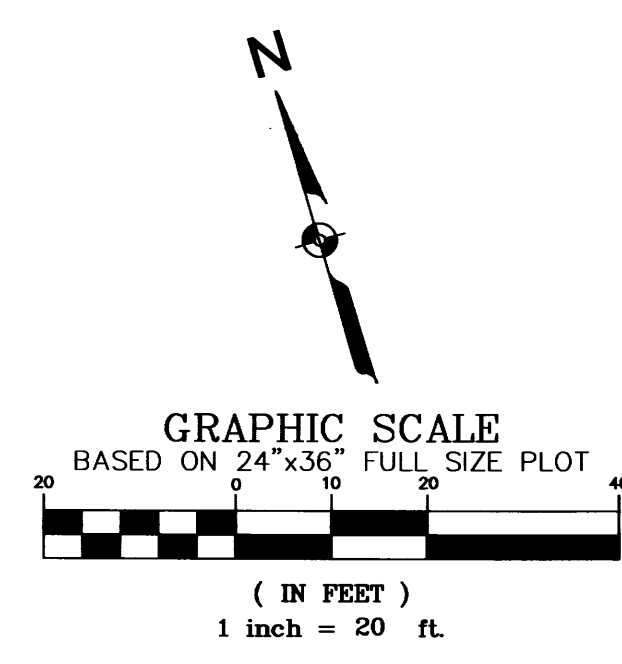
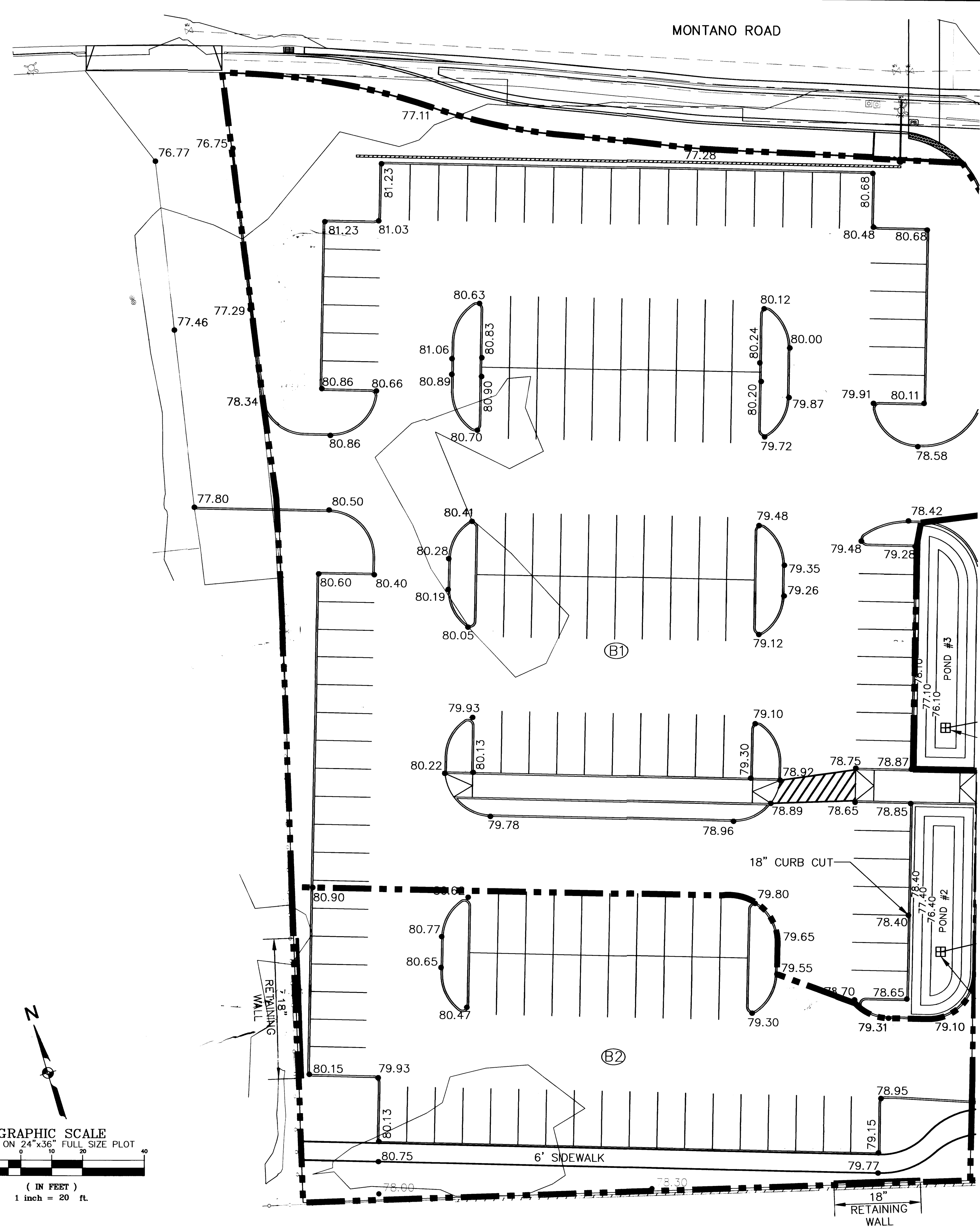
TITLE: NEW MEXICO RAIL RUNNER EXPRESS
MONTAÑO STATION
EASTSIDE PARKING LOT CURVE DATA



Sheet No.

C-014

BENCH MARKS		ENGINEER'S SEAL	
NGS STAINLESS ROD SET BENEATH A 5 1/2"			
ACCESS COVER STAMPED "D-438, 1984"			
SE QUADRANT OF MONTANO RD. & THE			
BNSF RAILROAD TRACKS, 42.5 FT. EAST OF			
CENTERLINE OF THE TRACKS, 44 FT. SOUTH		DESIGNED BY SL	DATE 03/2013
OF CENTERLINE OF MONTANO RD. NE, 1.1 FT.		DRAWN BY BN	DATE 03/2013
WEST OF CHAIN LINK FENCE.		CHECKED BY CB	DATE 03/2013
DATUM NAVD 1988			
ELEV. 4978.070			



GENERAL NOTES

1.) ALL ELEVATIONS ARE FLOWLINE UNLESS OTHERWISE NOTED.
2.) ADD 4900 FEET TO ALL POINTS TO GET MEAN SEA ELEVATIONS.
3.) CAUTION-ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM RESEARCH, AS BUILTS, SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS PRIOR TO STARTING THE WORK. ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.
4.) REFER TO SHEETS C-011 & C-012 FOR HORIZONTAL LOCATIONS.

DRAINAGE INFORMATION

DRAINAGE BASIN B1
AREA=1.37 AC
Q10=3.97 CFS
Q100=6.16 CFS

DRAINAGE BASIN B2
AREA=0.43 AC
Q10=1.27 CFS
Q100=1.96 CFS

POND 2
TOP OF POND ELEV.=78.40
BOTTOM OF POND ELEV.=76.40
MAX WSE=78.35
MAX VOLUME=0.0406 AC-FT.
INSTALL 9" ORIFICE PLATE

POND 3
TOP OF POND ELEV.=78.10
BOTTOM OF POND ELEV.=76.10
MAX WSE=77.28
MAX VOLUME=0.0355 AC-FT.
INSTALL 8.5" ORIFICE PLATE

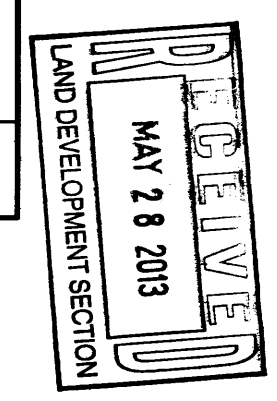
- LEGEND**
- EXISTING MINOR CONTOURS
 - EXISTING MAJOR CONTOURS
 - DRAINAGE BASINS
 - DRAINAGE BASIN NUMBER
 - PROPOSED SPOT ELEVATION
 - 6" CONCRETE HEADER CURB
 - TYPE B PARALLEL CURB RAMP
SEE SHT. C-010 FOR DETAIL
 - 6" CHAIN LINK FENCE
SEE SHEET C-019
 - STORM DRAIN
 - DROP INLET
 - WATERBLOCK
 - SIDEWALK CULVERT
 - 18" RETAINING WALL

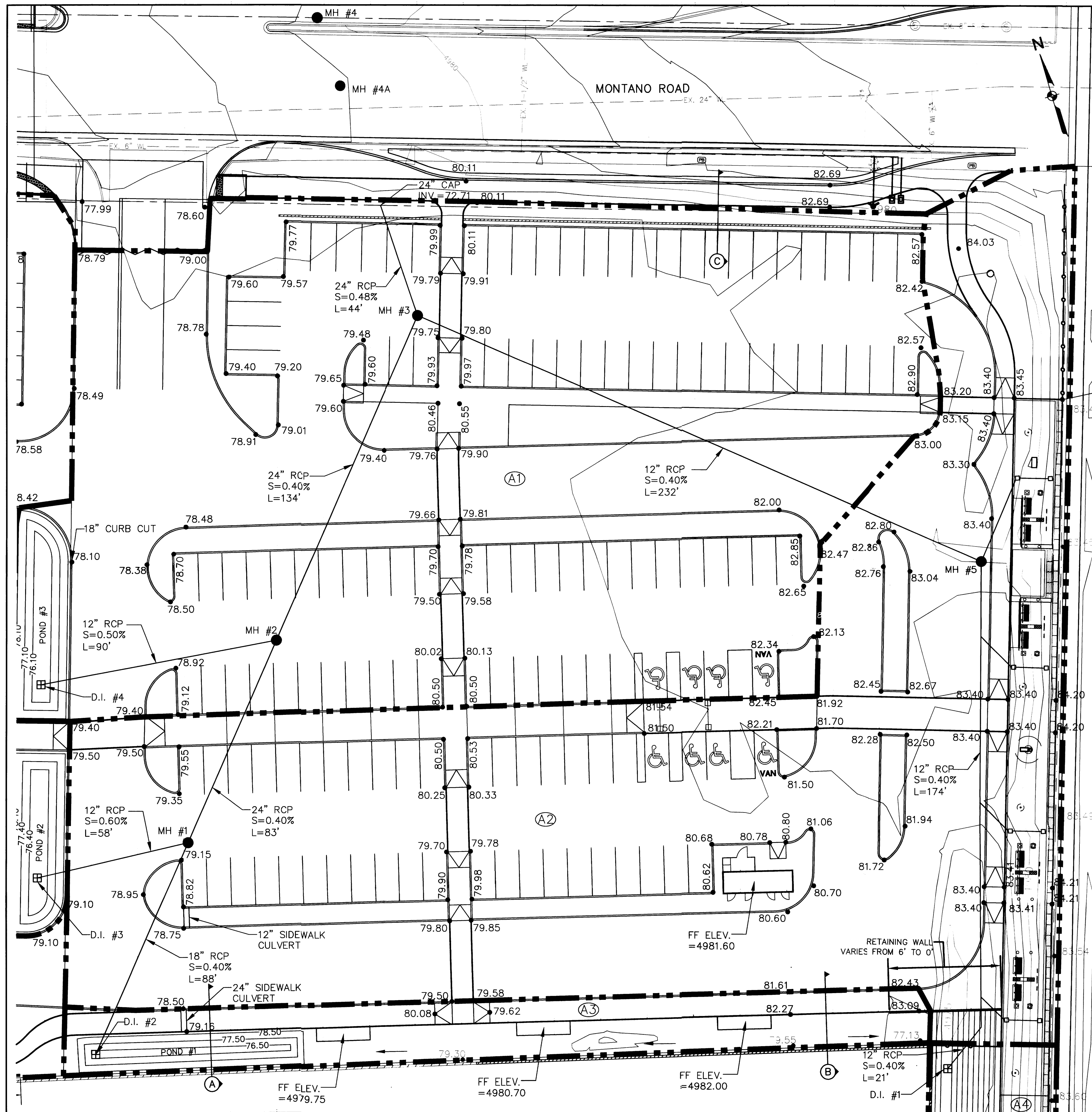
BENCH MARKS	NGS STAINLESS ROD SET BENEATH A 5 1/2" ACCESS COVER STAMPED "D-438, 1984".
	SE QUADRANT OF MONTANO RD. & THE BNSF RAILROAD TRACKS, 42.5 FT. EAST OF CENTERLINE OF THE TRACKS, 44 FT. SOUTH OF CENTERLINE OF MONTANO RD. NE. 1.1 FT. WEST OF CHAIN LINK FENCE.
ENGINEER'S SEAL	DATUM NAVD 1988
	ELEV. 4978.070
DESIGNED BY	SL
DRAWN BY	BN
CHECKED BY	CB
DATE	05/2013
DATE	05/2013
DATE	05/2013

TITLE: NEW MEXICO RAIL RUNNER EXPRESS
MONTANO STATION
PARKING LOT GRADING & DRAINAGE PLAN



Sheet No. C-006





GENERAL NOTES

- 1.) ALL ELEVATIONS ARE FLOWLINE UNLESS OTHERWISE NOTED
- 2.) ADD 4900 FEET TO ALL POINTS TO GET MEAN SEA ELEVATIONS.
- 3.) CAUTION-ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM RESEARCH, AS BUILTS, SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS PRIOR TO STARTING THE WORK. ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.
- 4.) SEE SHEET C-008 FOR SECTIONS A-A, B-B, AND C-C.
- 5.) LANDSCAPED AREAS SHALL BE DEPRESSED A MINIMUM OF 6".

DRAINAGE INFORMATION

DRAINAGE BASIN A1
AREA=1.31 AC
Q10=3.81 CFS
Q100=5.90 CFS

POND 1
TOP OF POND ELEV.=78.45
BOTTOM OF POND ELEV.=76.70
MAX WSE=76.67
MAX VOLUME=0.0817 AC-FT.
INSTALL 12" ORIFICE PLATE

DRAINAGE BASIN A2
AREA=1.27 AC
Q10=3.71 CFS
Q100=5.74 CFS

SINGLE D GRATES
COA STD. DWG 2206
SIDEWALK CULVERTS
COA STD. DWG 2236

DRAINAGE BASIN A3
AREA=0.16 AC
Q10=0.35 CFS
Q100=0.61 CFS

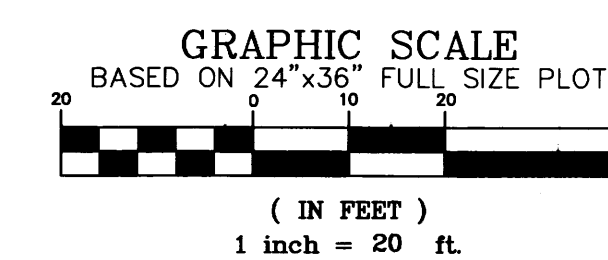
DRAINAGE BASIN A4
AREA=0.32 AC
Q10=0.67 CFS
Q100=1.17 CFS

MANHOLES			
NO.	RIM ELEV.	INV. (IN)	INV. (OUT)
1	79.19	74.06	73.96
2	79.29	73.63	73.53
3	79.67	73.00	72.90
4	79.30	69.20	-
4A	78.95	72.50	72.40
5	83.35	73.94	74.04

DROP INLETS		
NO.	GRATE ELEV.	INV. ELEV.
1	76.70	74.70
2	76.50	74.40
3	76.40	74.40
4	76.10	74.10

LEGEND

- EXISTING MINOR CONTOURS
- EXISTING MAJOR CONTOURS
- DRAINAGE BASINS
- DRAINAGE BASIN NUMBER
- PROPOSED SPOT ELEVATION
- 6" CONCRETE HEADER CURB
- TYPE B PARALLEL CURB RAMP
SEE SHT. C-010 FOR DETAIL
- 6' CHAIN LINK FENCE
SEE SHEET C-019
- STORM DRAIN
- DROP INLET
- WATERBLOCK
- SIDEWALK CULVERT

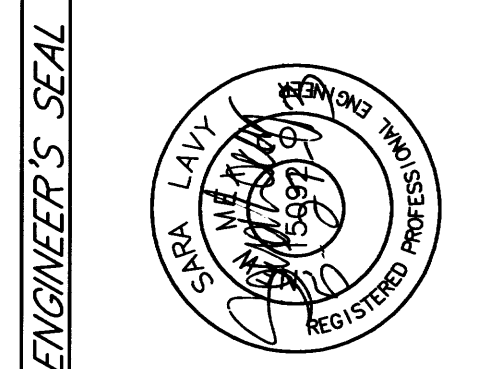


TITLE: NEW MEXICO RAIL RUNNER EXPRESS
MONTANO STATION
PARKING LOT GRADING & DRAINAGE PLAN

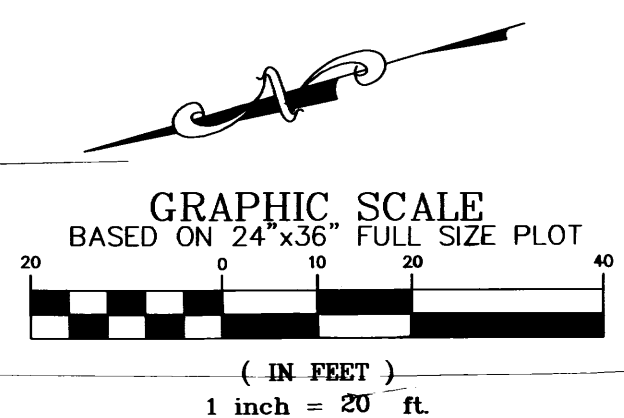
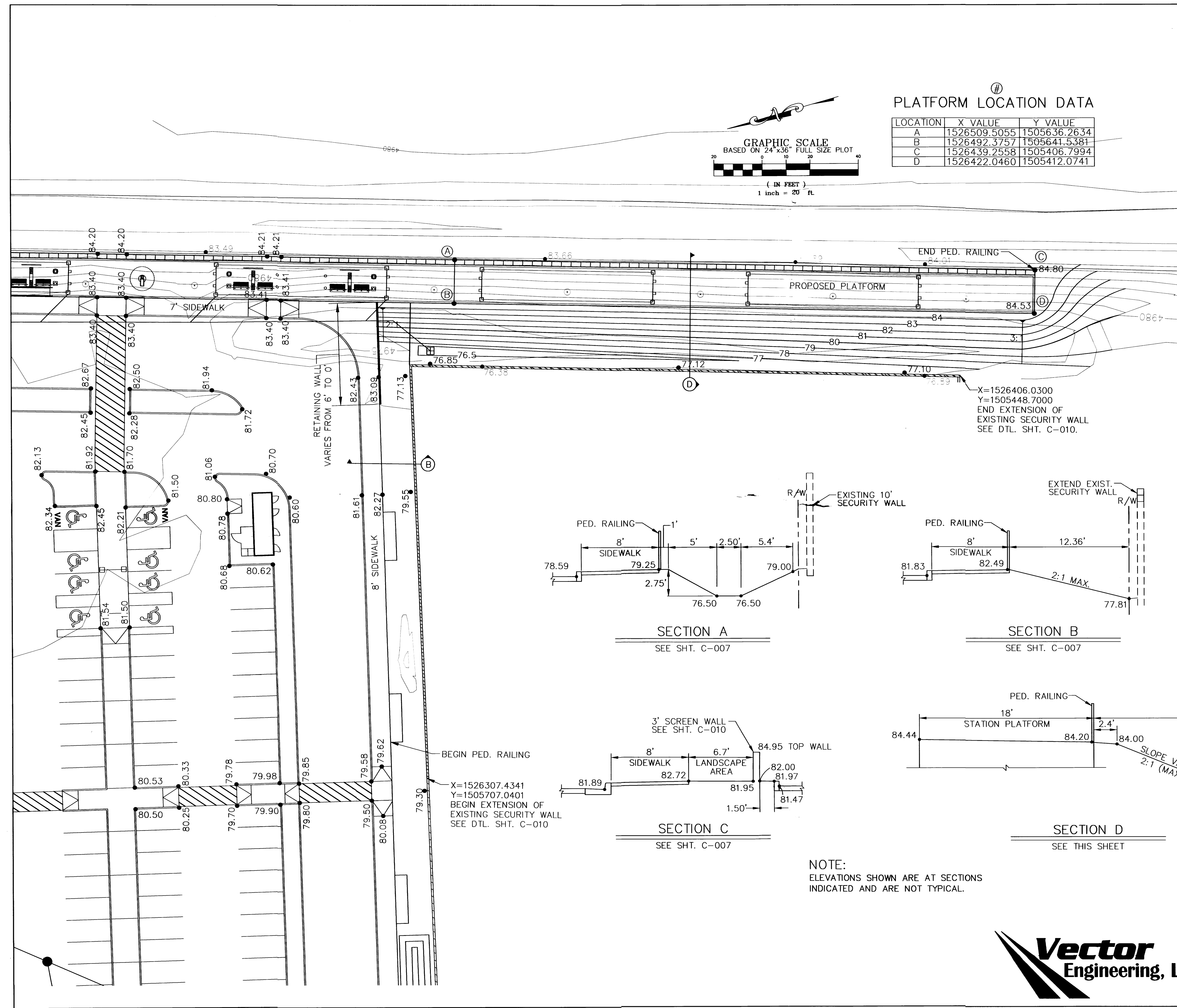


Sheet No. C-007

BENCH MARKS
NGS STAINLESS ROD SET BENEATH A 5 1/2" ACCESS COVER STAMPED "D-438, 1984". SE QUADRANT OF MONTANO RD. & THE BNSF RAILROAD TRACKS, 42.5 FT. EAST OF CENTERLINE OF THE TRACKS, 44 FT. SOUTH OF CENTERLINE OF MONTANO RD. NE. 1.1 FT. WEST OF CHAIN LINK FENCE. DATUM NAVD 1988 ELEV. 4978.070

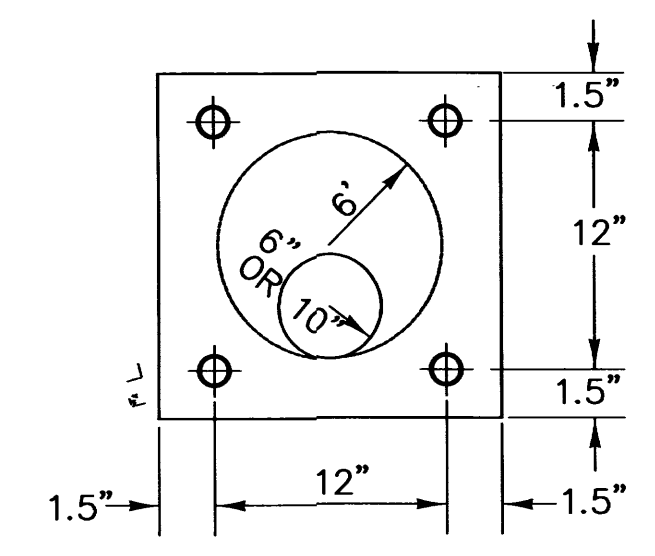


DESIGNED BY	SL	DATE	03/2013
DRAWN BY	BN	DATE	03/2013
CHECKED BY	CB	DATE	03/2013

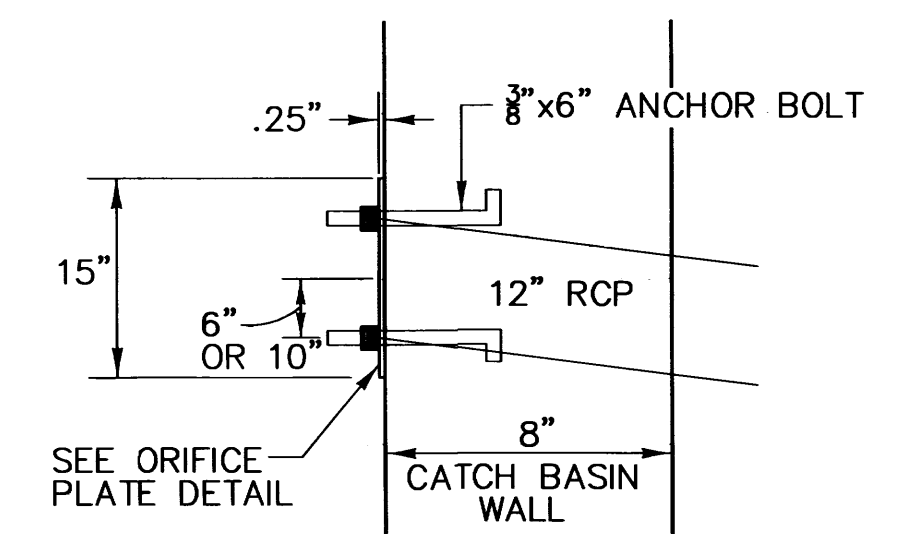


⑧
PLATFORM LOCATION DATA

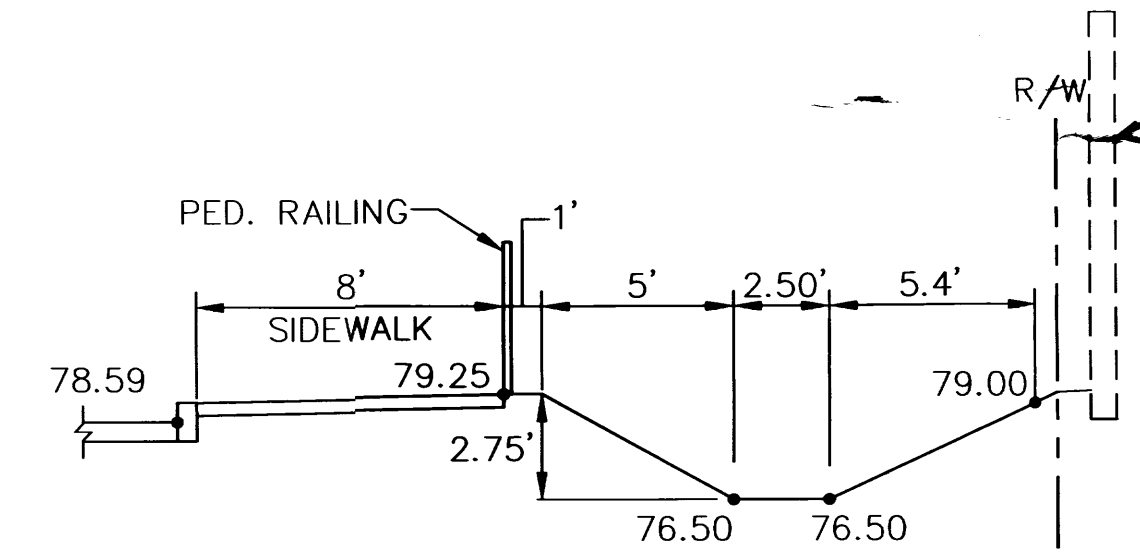
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B	1526492.3757	1505641.5381
C	1526439.2558	1505406.7994
D	1526422.0460	1505412.0741



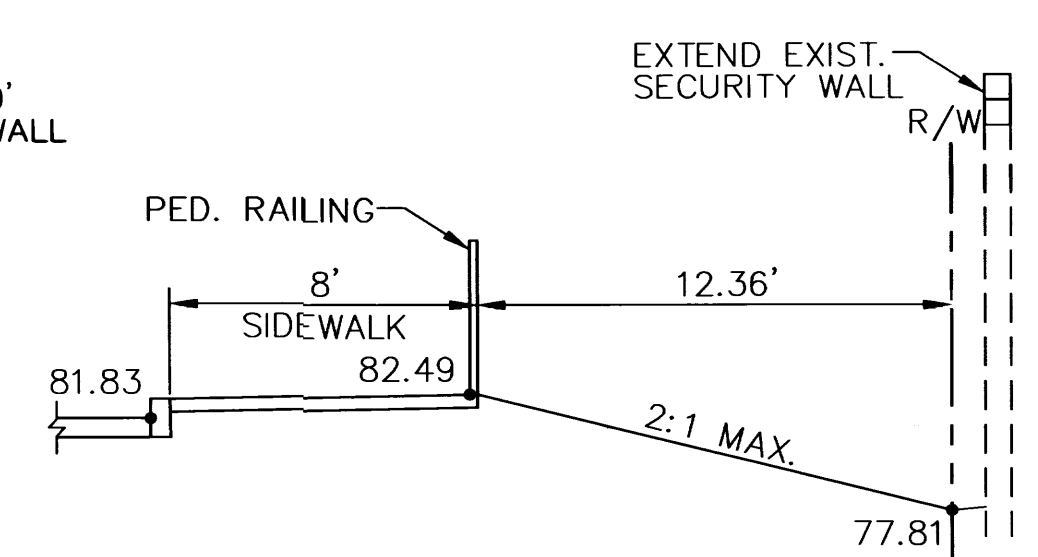
TYP. ORIFICE PLATE DETAIL
SCALE: NONE



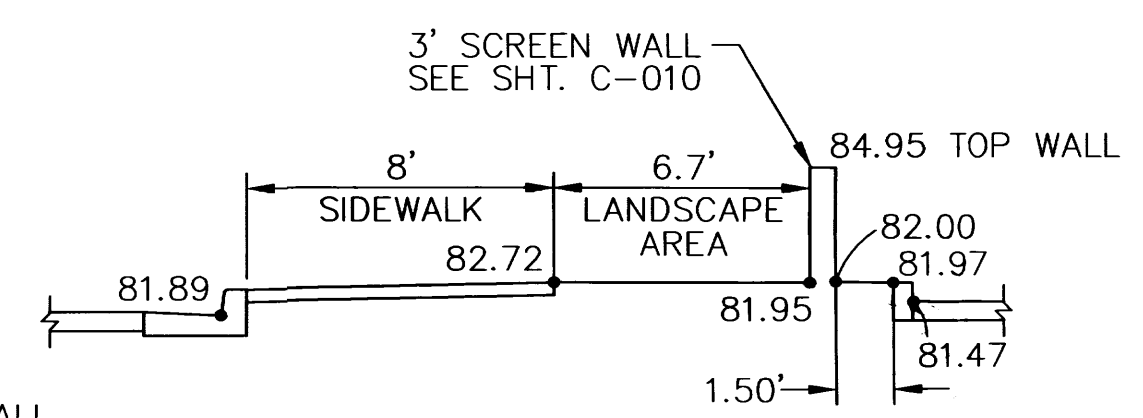
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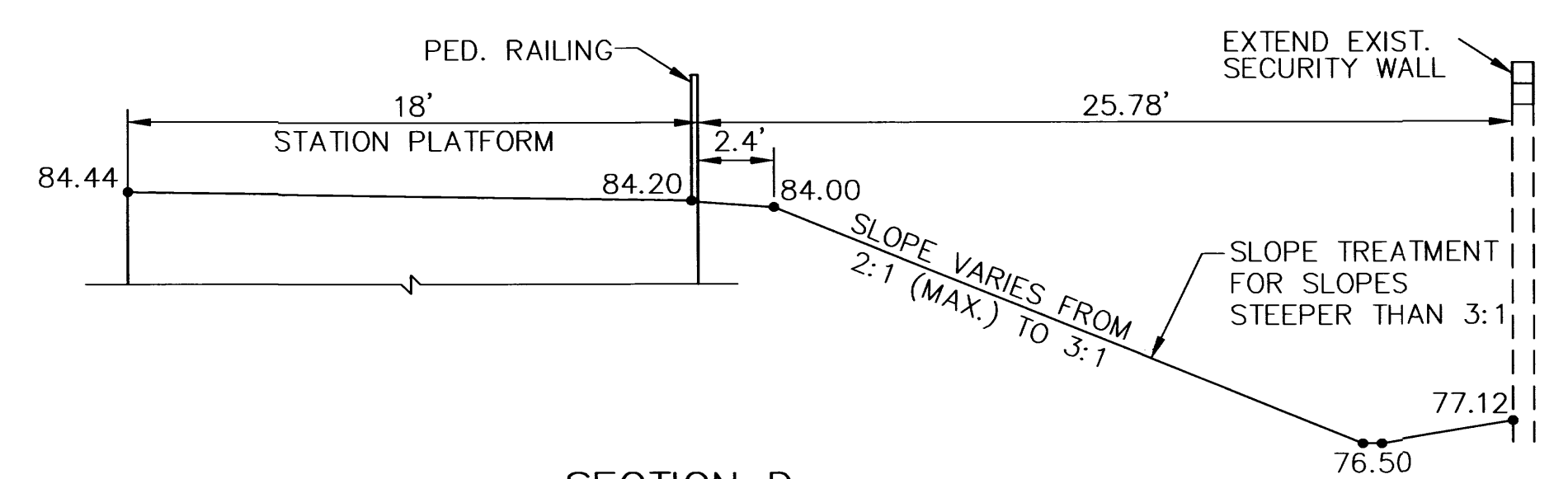
SECTION A
SEE SHT. C-007



SECTION B
SEE SHT. C-007

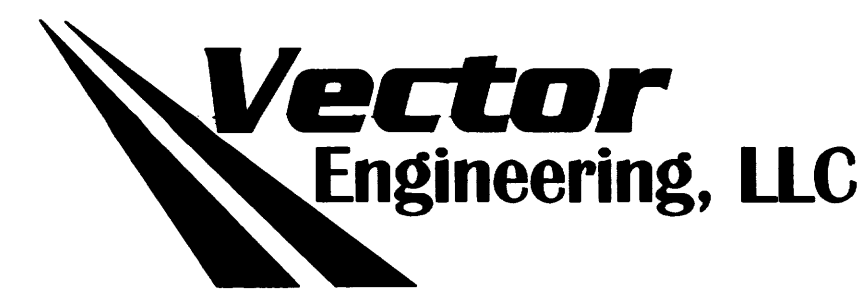


SECTION C
SEE SHT. C-007

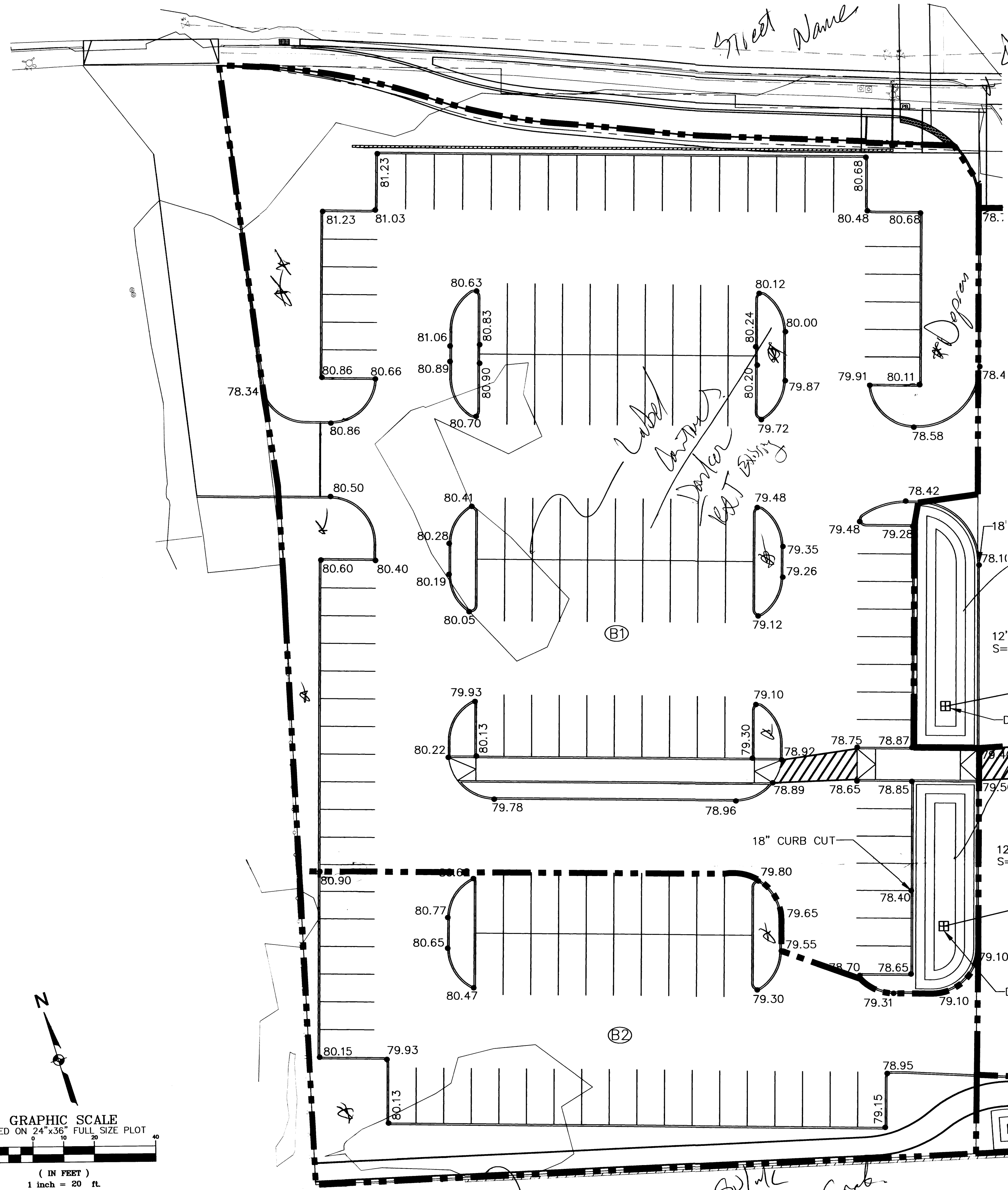
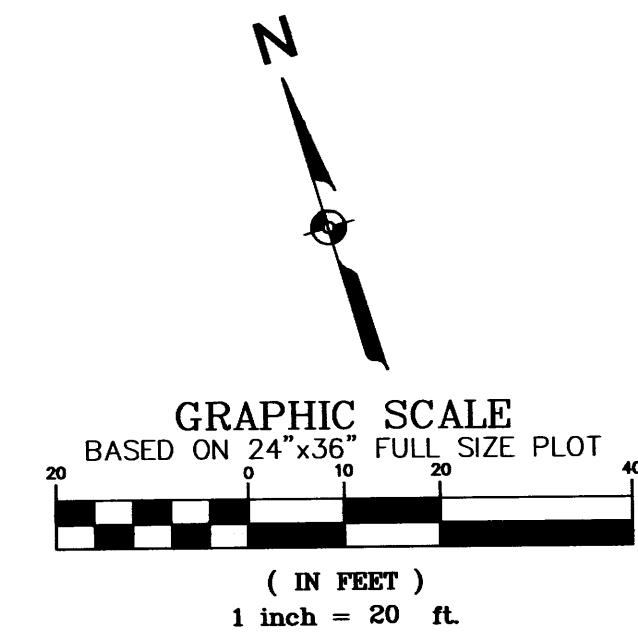


SECTION D
SEE THIS SHEET

NOTE:
ELEVATIONS SHOWN ARE AT SECTIONS
INDICATED AND ARE NOT TYPICAL.



BENCH MARKS		NGS STAINLESS ROD SET BENEATH A 5 1/2" ACCESS COVER STAMPED "D-438, 1984", SE QUADRANT OF MONTANO RD. & THE BNSF RAILROAD TRACKS, 42.5 FT. EAST OF CENTERLINE OF THE TRACKS, 44 FT. SOUTH OF CENTERLINE OF MONTANO RD. NE, 1.1 FT. WEST OF CHAIN LINK FENCE.
ENGINEER'S SEAL		
DESIGNED BY	SL	DATE 05/2013
DRAWN BY	BN	DATE 05/2013
CHECKED BY	CB	DATE 05/2013
TITLE: NEW MEXICO RAIL RUNNER EXPRESS MONTANO STATION GRADING PLAN CONT'D & SECURITY WALL LOCATION		
Sheet No.		C-008



GENERAL NOTES

- 1.) ALL ELEVATIONS ARE FLOWLINE UNLESS OTHERWISE NOTED
- 2.) ADD 4900 FEET TO ALL POINTS TO GET MEAN SEA ELEVATIONS.
- 3.) CAUTION-ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM RESEARCH, AS BUILTS, SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS PRIOR TO STARTING THE WORK. ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.

DRAINAGE INFORMATION

DRAINAGE BASIN B1
AREA=1.37 AC
Q10=3.97 CFS
Q100=6.16 CFS

DRAINAGE BASIN B2
AREA=0.43 AC
Q10=1.27 CFS
Q100=1.96 CFS

POND 2
TOP OF POND ELEV.=77.00
BOTTOM OF POND ELEV.=75.00
MAX WSE=76.93
MAX VOLUME=0.0480 AC-FT.

POND 3
TOP OF POND ELEV.=77.50
BOTTOM OF POND ELEV.=75.50
MAX WSE=77.28
MAX VOLUME=0.0355 AC-FT.

LEGEND

	EXISTING MINOR CONTOURS
	EXISTING MAJOR CONTOURS
	DRAINAGE BASINS
	DRAINAGE BASIN NUMBER
	PROPOSED SPOT ELEVATION
	6" CONCRETE HEADER CURB SEE SHT. C-011 FOR DETAIL
	TYPE B PARALLEL CURB RAMP SEE SHT. C-010 FOR DETAIL
	6' CHAIN LINK FENCE SEE SHEET C-021
	STORM DRAIN
	DROP INLET
	WATERBLOCK
	SIDEWALK CULVERT

BENCH MARKS	NGS STAINLESS ROD SET BENEATH A 5 1/2"
	ACCESS COVER STAMPED "D-438, 1984"
	SE QUADRANT OF MONTANO RD. & THE
	BNSF RAILROAD TRACKS, 42.5 FT. EAST OF
	CENTERLINE OF THE TRACKS, 44 FT. SOUTH
ENGINEER'S SEAL	OF CENTERLINE OF MONTANO RD. NE. 1.1 FT.
	WEST OF CHAIN LINK FENCE.
	DATUM NAVD 1988
ELEV. 4978.070	

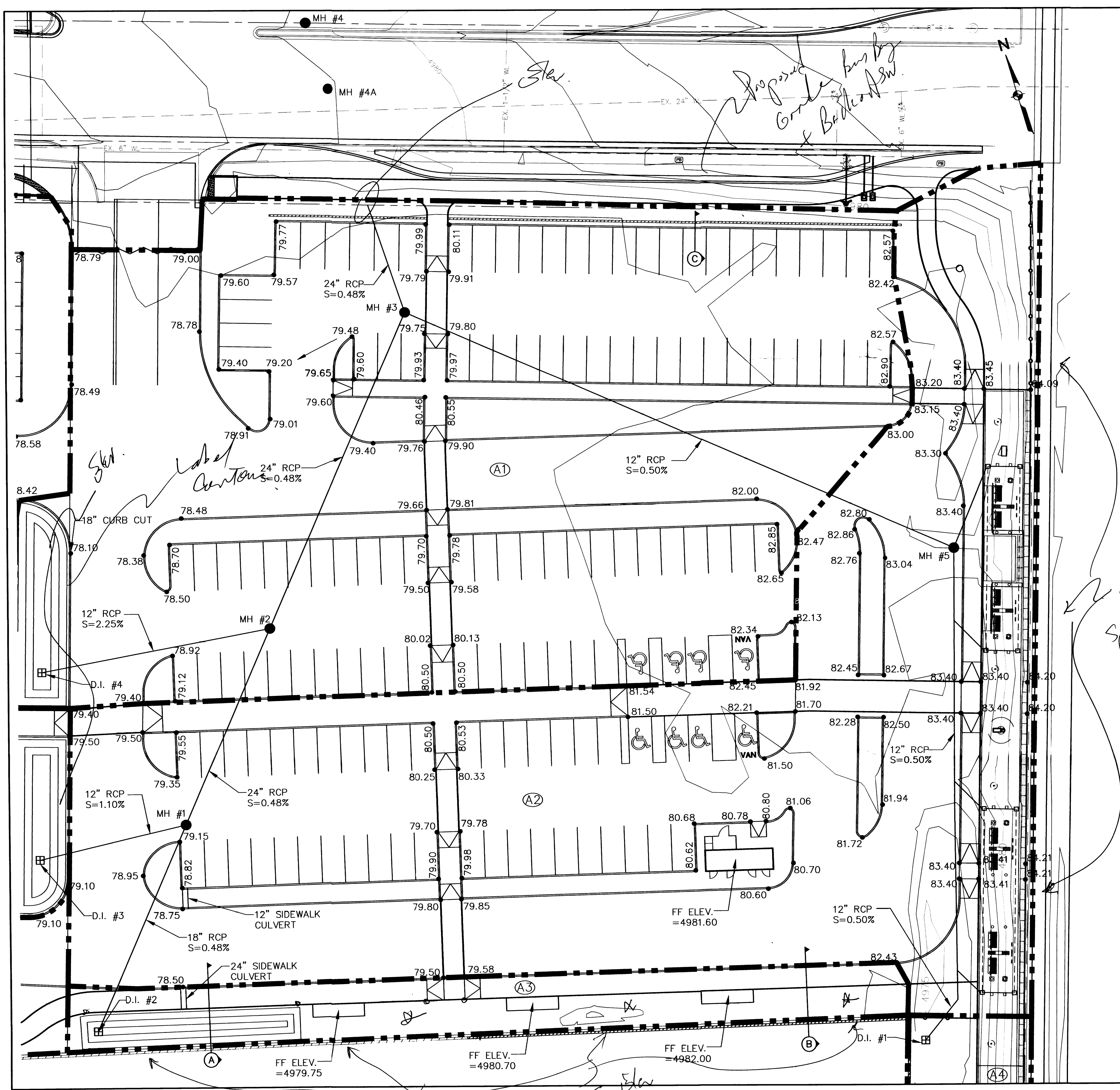


DESIGNED BY	SL	DATE	03/2013
DRAWN BY	BN	DATE	03/2013
CHECKED BY	CB	DATE	03/2013

TITLE: NEW MEXICO RAIL RUNNER EXPRESS
MONTANO STATION
PARKING LOT GRADING & DRAINAGE PLAN



Sheet No. C-006



GENERAL NOTES

- 1.) ALL ELEVATIONS ARE FLOWLINE UNLESS OTHERWISE NOTED
- 2.) ADD 4900 FEET TO ALL POINTS TO GET MEAN SEA ELEVATIONS.
- 3.) CAUTION-ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM RESEARCH, AS BUILTS, SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS PRIOR TO STARTING THE WORK. ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.
- 4.) SEE SHEET C-008 FOR SECTIONS A-A, B-B, AND C-C.

DRAINAGE INFORMATION

DRAINAGE BASIN A1
AREA=1.31 AC
Q10=3.81 CFS
Q100=5.90 CFS

DRAINAGE BASIN A2
AREA=1.27 AC
Q10=3.71 CFS
Q100=5.74 CFS

DRAINAGE BASIN A3
AREA=0.16 AC
Q10=0.35 CFS
Q100=0.61 CFS

DRAINAGE BASIN A4
AREA=0.32 AC
Q10=0.67 CFS
Q100=1.17 CFS

POND 1
TOP OF POND ELEV.=78.45
BOTTOM OF POND ELEV.=76.70
MAX WSE=76.67
MAX VOLUME=0.0817 AC-FT.

SINGLE C GRATES
COA STD. DWG 2205
SINGLE D GRATES
COA STD. DWG 2206

SIDEWALK CULVERTS
COA STD. DWG 2236

MANHOLES

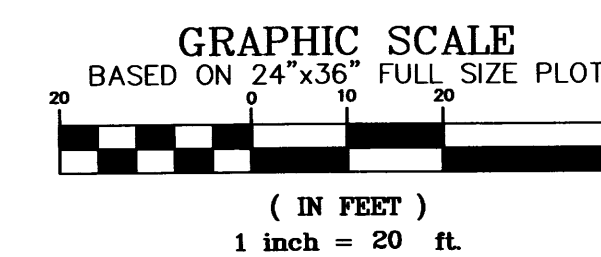
NO.	RIM ELEV.	INV. (IN)	INV. (OUT)
1	79.19	74.22	74.12
2	79.29	73.73	73.63
3	79.67	73.00	72.90
4	79.30	69.20	-
4A	78.95	72.50	72.40
5	83.35	74.15	74.25

DROP INLETS

NO.	GRATE ELEV.	INV. ELEV.
1	76.70	75.20
2	76.50	74.50
3	76.40	74.90
4	76.10	74.60

LEGEND

- EXISTING MINOR CONTOURS
- EXISTING MAJOR CONTOURS
- DRAINAGE BASINS
- DRAINAGE BASIN NUMBER
- PROPOSED SPOT ELEVATION
- 6" CONCRETE HEADER CURB
SEE SHT. C-011 FOR DETAIL
- TYPE B PARALLEL CURB RAMP
SEE SHT. C-010 FOR DETAIL
- 6' CHAIN LINK FENCE
SEE SHEET C-021
- STORM DRAIN
- DROP INLET
- WATERBLOCK
- SIDEWALK CULVERT



TITLE: NEW MEXICO RAIL RUNNER EXPRESS
MONTAÑO STATION
PARKING LOT GRADING & DRAINAGE PLAN



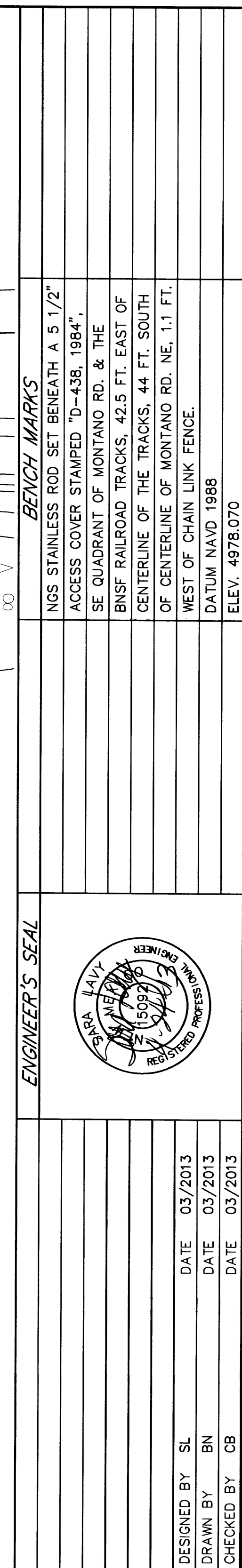
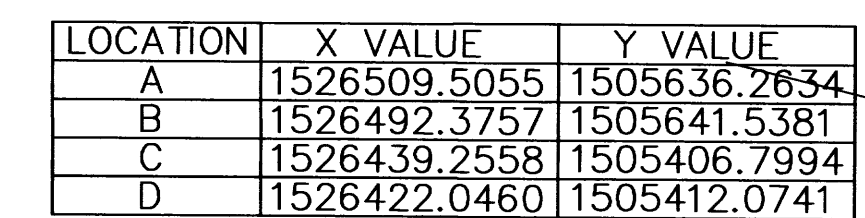
Sheet No. C-007

ENGINEER'S SEAL

DESIGNED BY SL DATE 03/2013
DRAWN BY BN DATE 03/2013
CHECKED BY CB DATE 03/2013

BENCH MARKS

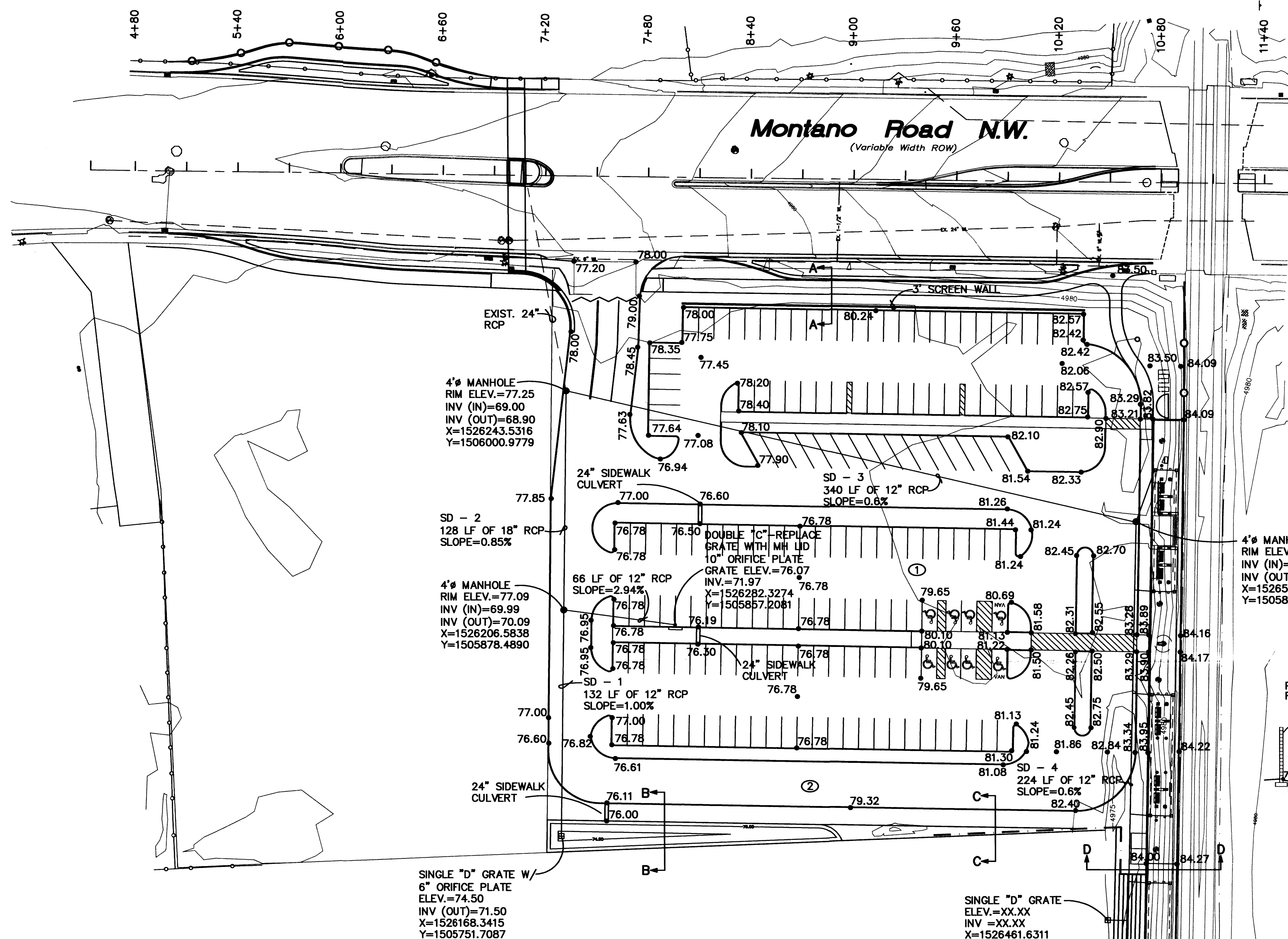
NGS STAINLESS ROD SET BENEATH A 5 1/2"
ACCESS COVER STAMPED "D-438, 1984",
SE QUADRANT OF MONTAÑO RD. & THE
BNSF RAILROAD TRACKS, 42.5 FT. EAST OF
CENTERLINE OF THE TRACKS, 44 FT. SOUTH
WEST OF CHAIN LINK FENCE.
DATUM NAVD 1988
ELEV. 4978.070



TITLE:	NEW MEXICO RAIL RUNNER EXPRESS MONTAÑO STATION GRADING PLAN CONT'D & SECURITY WALL LOCATION
--------	---

Sheet No. C-008

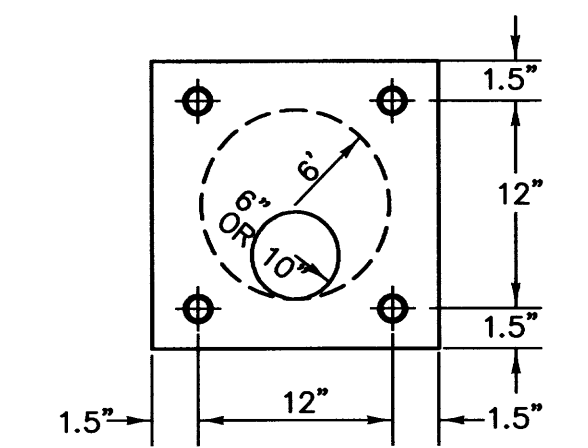
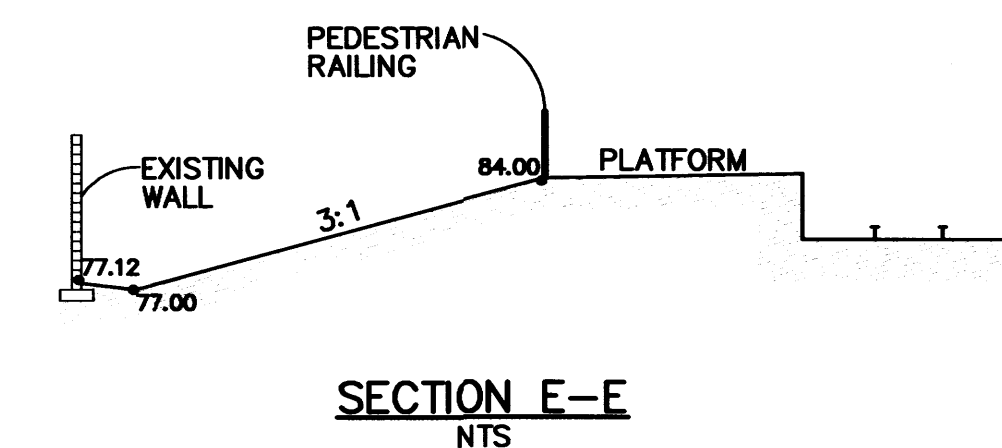
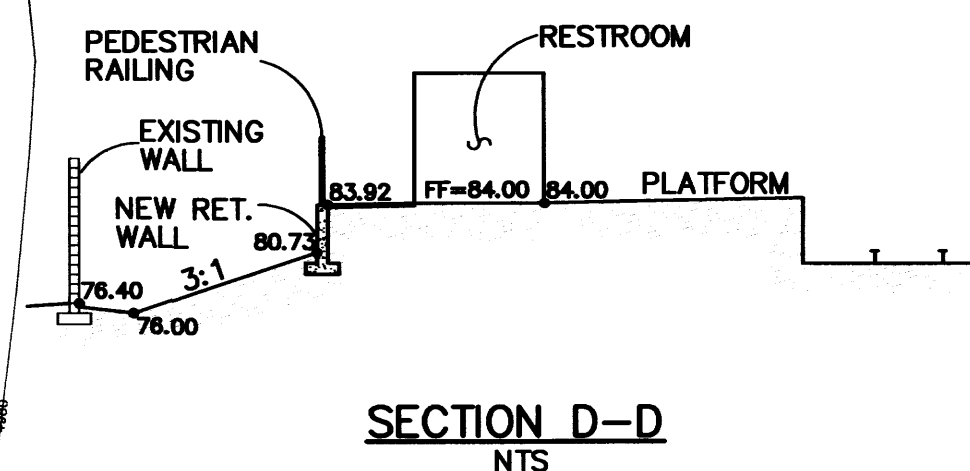
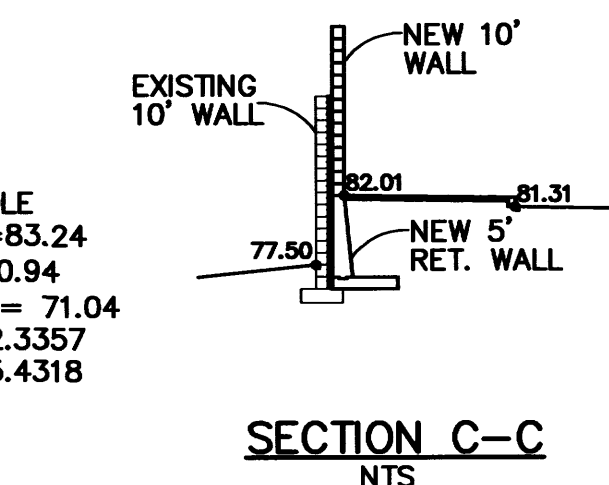
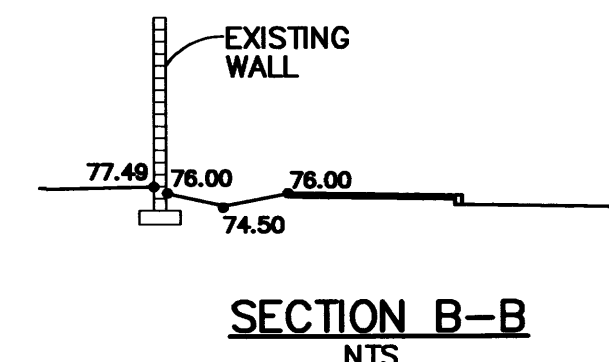
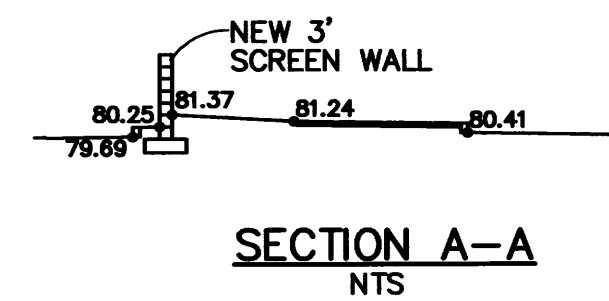




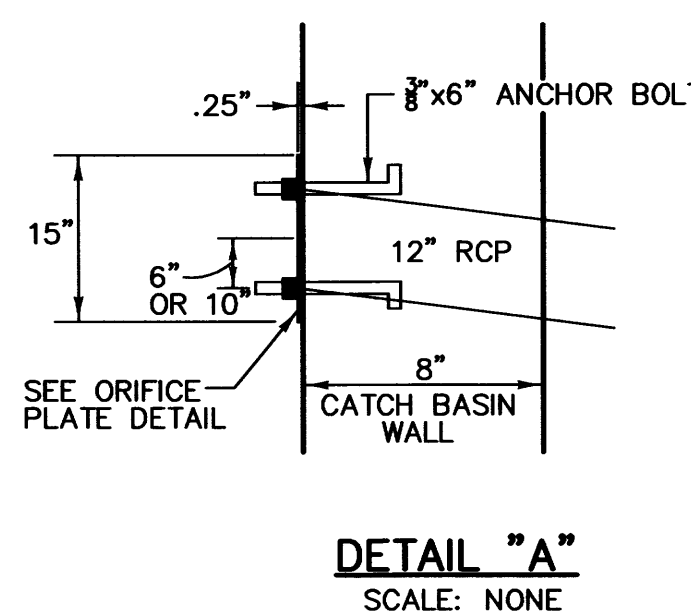
LEGEND	
---	EXISTING MINOR CONTOURS
---	EXISTING MAJOR CONTOURS
---	DRAINAGE BASINS
②	DRAINAGE BASIN NUMBER
•XX.XX	PROPOSED SPOT ELEVATION
---	6\"/>

- 1.) ALL ELEVATIONS ARE FLOWLINE UNLESS OTHERWISE NOTED.
 2.) ADD 4900 FEET TO ALL POINTS TO GET MEAN SEA ELEVATIONS.
 3.) CAUTION--ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM RESEARCH, AS BUILTS, SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS PRIOR TO STARTING THE WORK. ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.

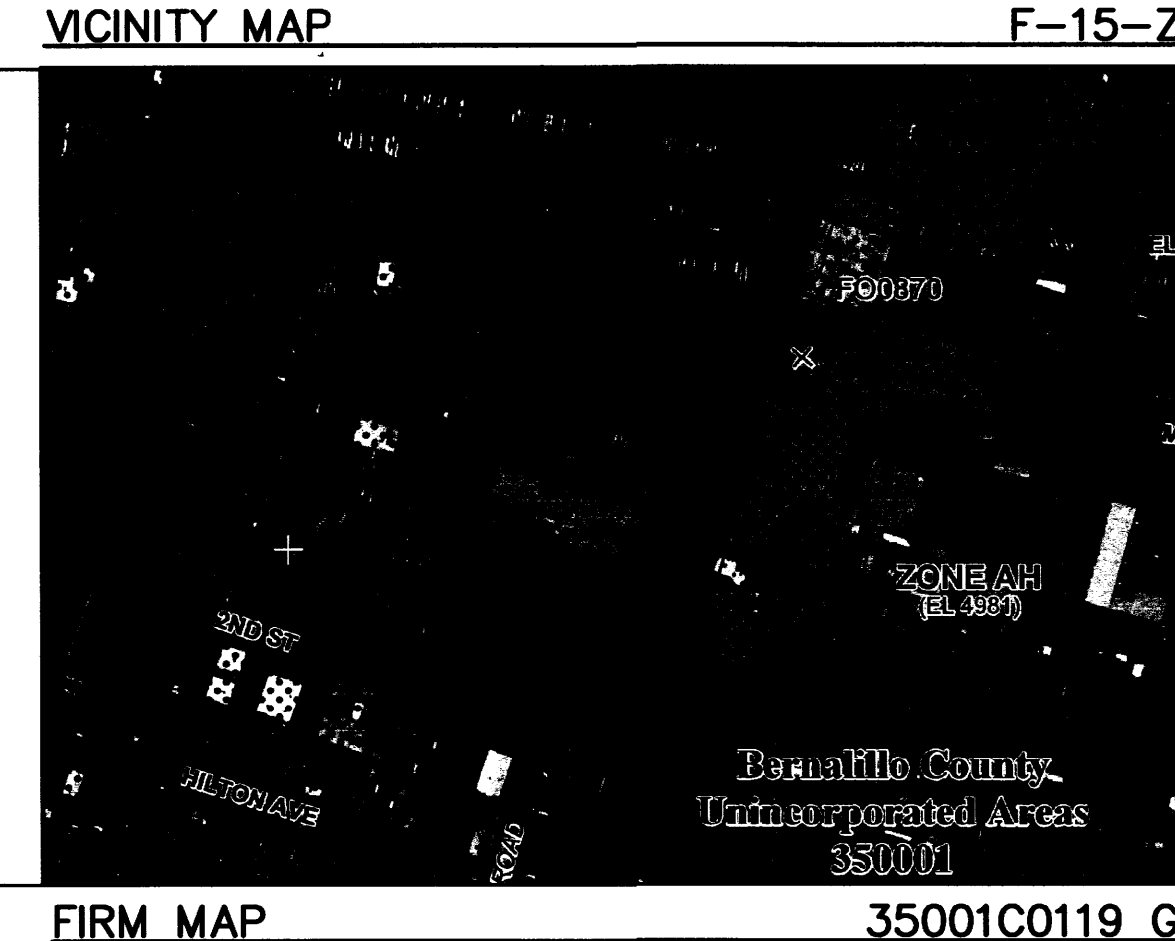
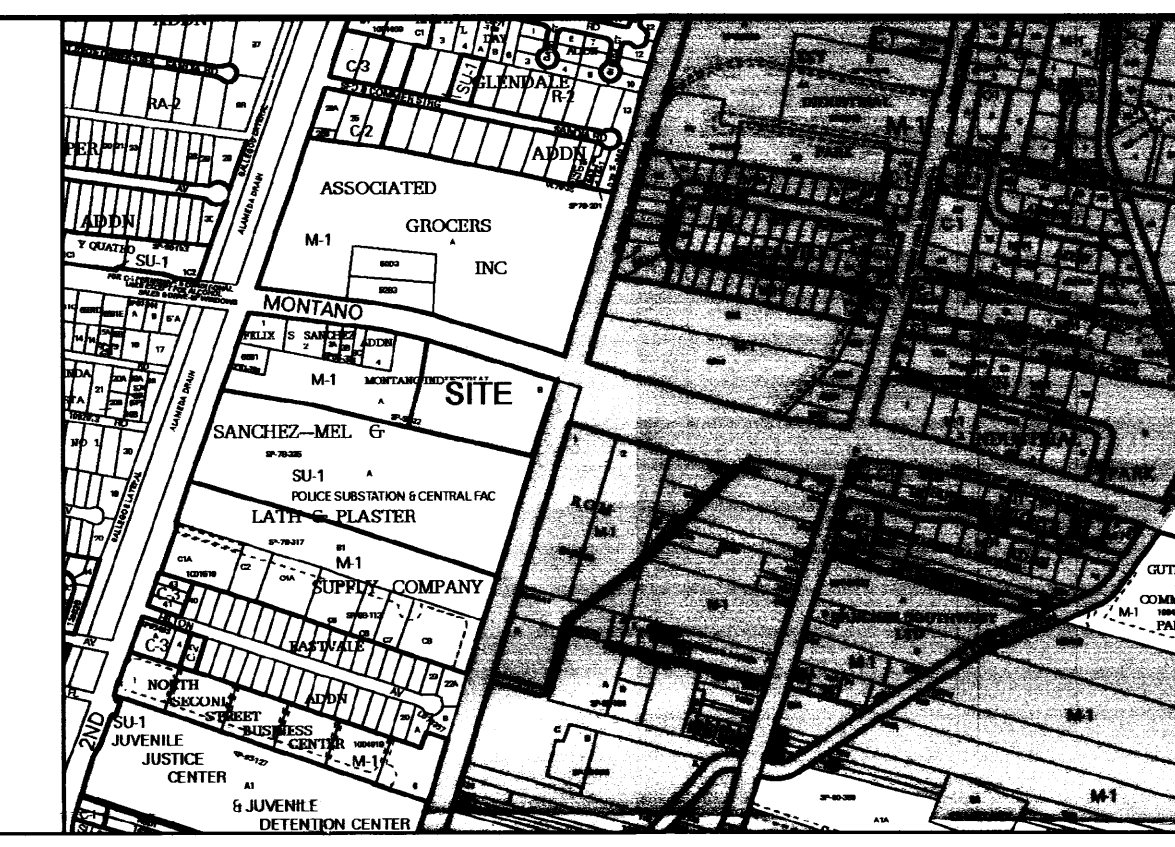
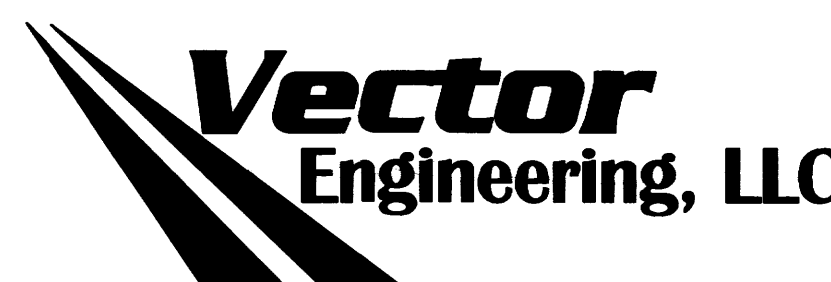
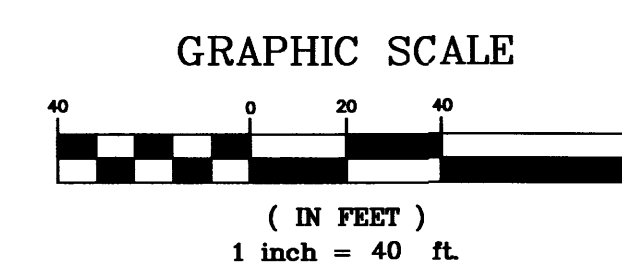
DRAINAGE INFORMATION	
DRAINAGE BASIN 1 AREA=2.4 AC Q10=6.98 CFS Q100=10.82 CFS	POND 1 (PARKING LOT) TOP OF POND ELEV.=76.78 BOTTOM OF POND ELEV.=76.10 MAX WSE=76.67 MAX VOLUME=0.0817 AC-FT.
DRAINAGE BASIN 2 AREA=0.41 AC Q10=1.04 CFS Q100=1.68 CFS	POND 2 TOP OF POND ELEV.=76.00 BOTTOM OF POND ELEV.=74.50 MAX WSE=73.79 MAX VOLUME=0.0149 AC-FT.
DRAINAGE BASIN 3 AREA=0.312 AC Q10=0.69 CFS Q100=1.16 CFS	SINGLE C GRATES COA STD. DWG 2205 SINGLE D GRATES COA STD. DWG 2206 SIDEWALK CULVERTS COA STD. DWG 2236



TYP. ORIFICE PLATE DETAIL
SCALE: NONE

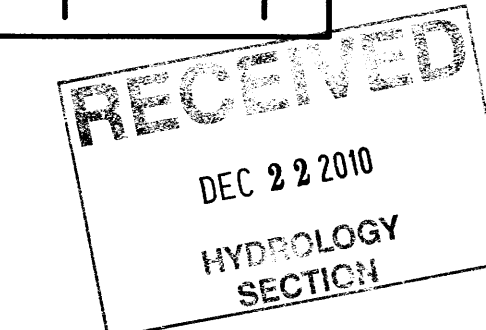


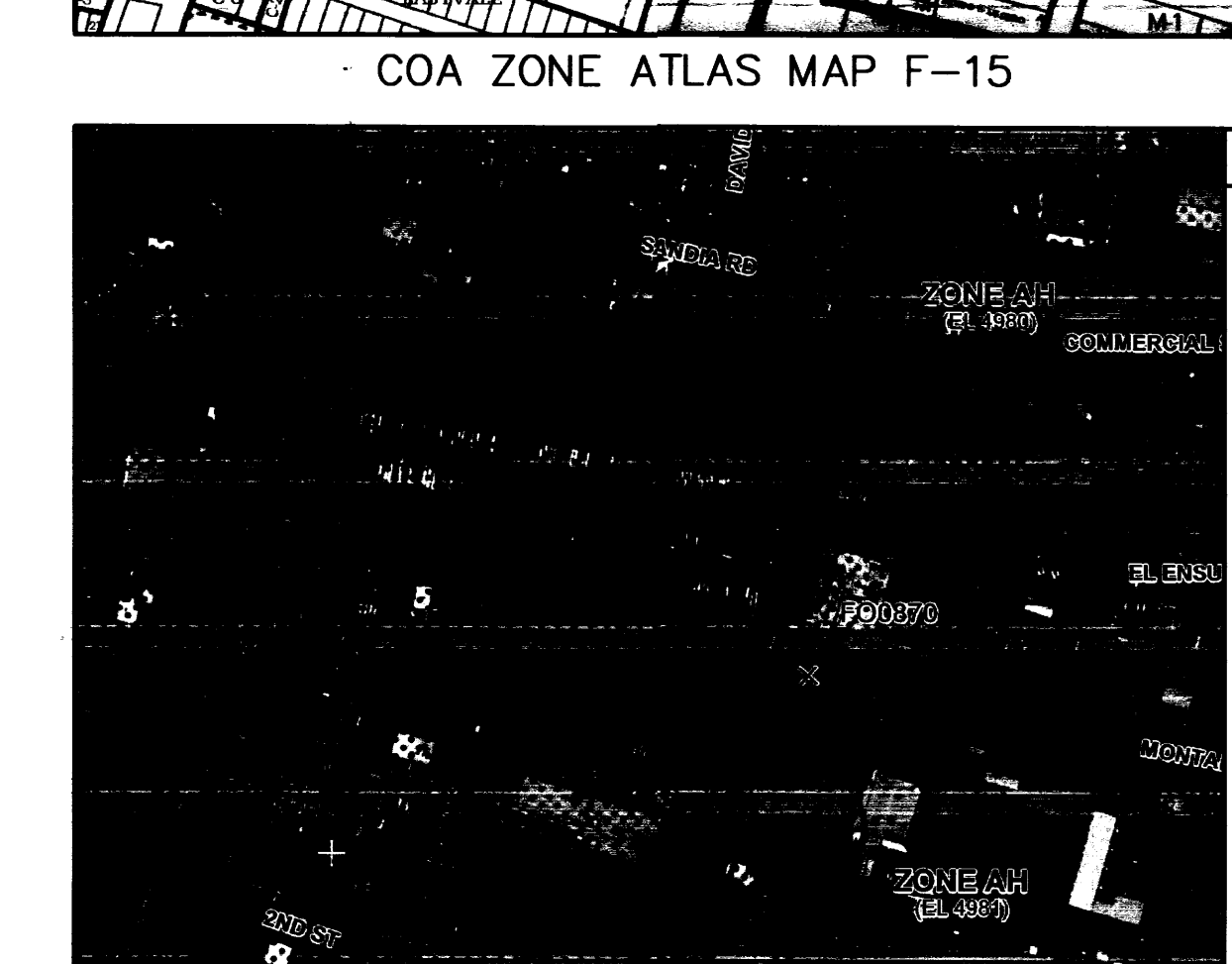
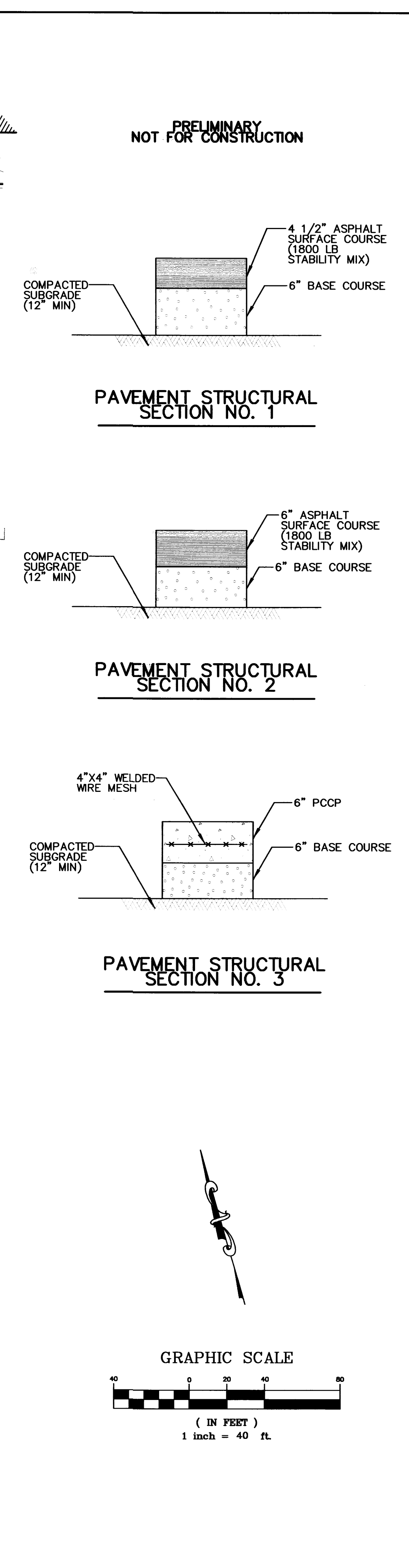
DETAIL "A"
SCALE: NONE



						ENGINEER'S SEAL 				SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
										FIELD NOTES		CONTRACTOR			
										NO.		BY		DATE	
												NGS STAINLESS ROD SET BENEATH A 5 1/2"			
												ACCESS COVER STAMPED "D-438, 1984",		WORK STAMPED BY	
												SE QUADRANT OF MONTANO RD. & THE		ACCEPTANCE BY	
												BNSF RAILROAD TRACKS, 42.5 FT. EAST OF		FIELD LOCATION BY	
												CENTERLINE OF THE TRACKS, 44 FT. SOUTH		DRAWINGS CORRECTED BY	
												OF CENTERLINE OF MONTANO RD. NE. 1.1 FT.		DATE	
												<i>MICRO-FILM INFORMATION</i>			
												RECORDED BY		DATE	
												WEST OF CHAIN LINK FENCE.			
												DATUM NAVD 1988		NO.	
												ELEV. 4978.070			

CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION			
TITLE: NEW MEXICO RAIL RUNNER EXPRESS MONTANO STATION PARKING LOT GRADING & DRAINAGE PLAN			
Design Review Committee	City Engineer Approval	No. / Day / Yr.	No. / Day / Yr.
City Project No. 559291	Zone Map No. F-15	Sheet 1 Of 1	

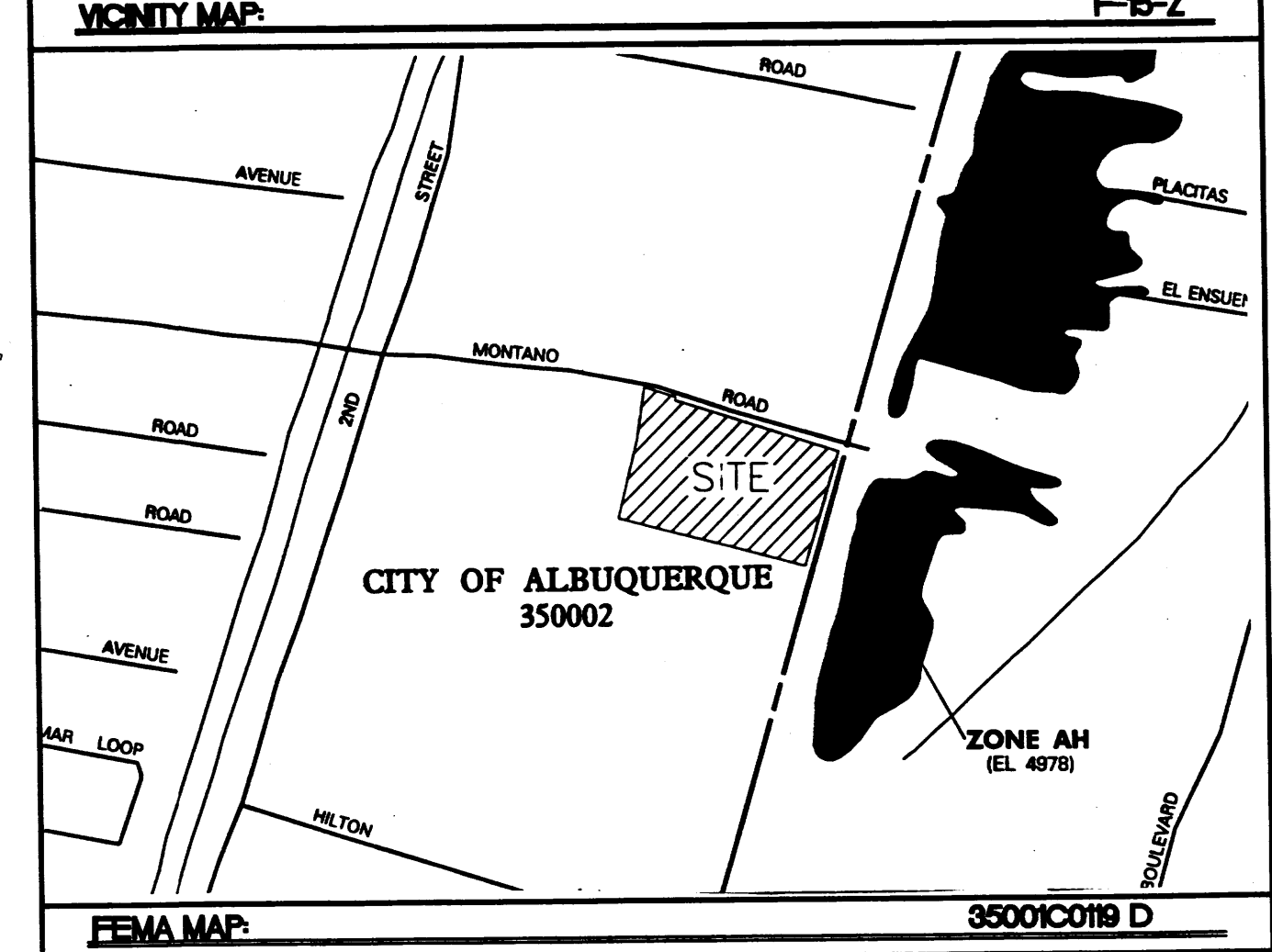
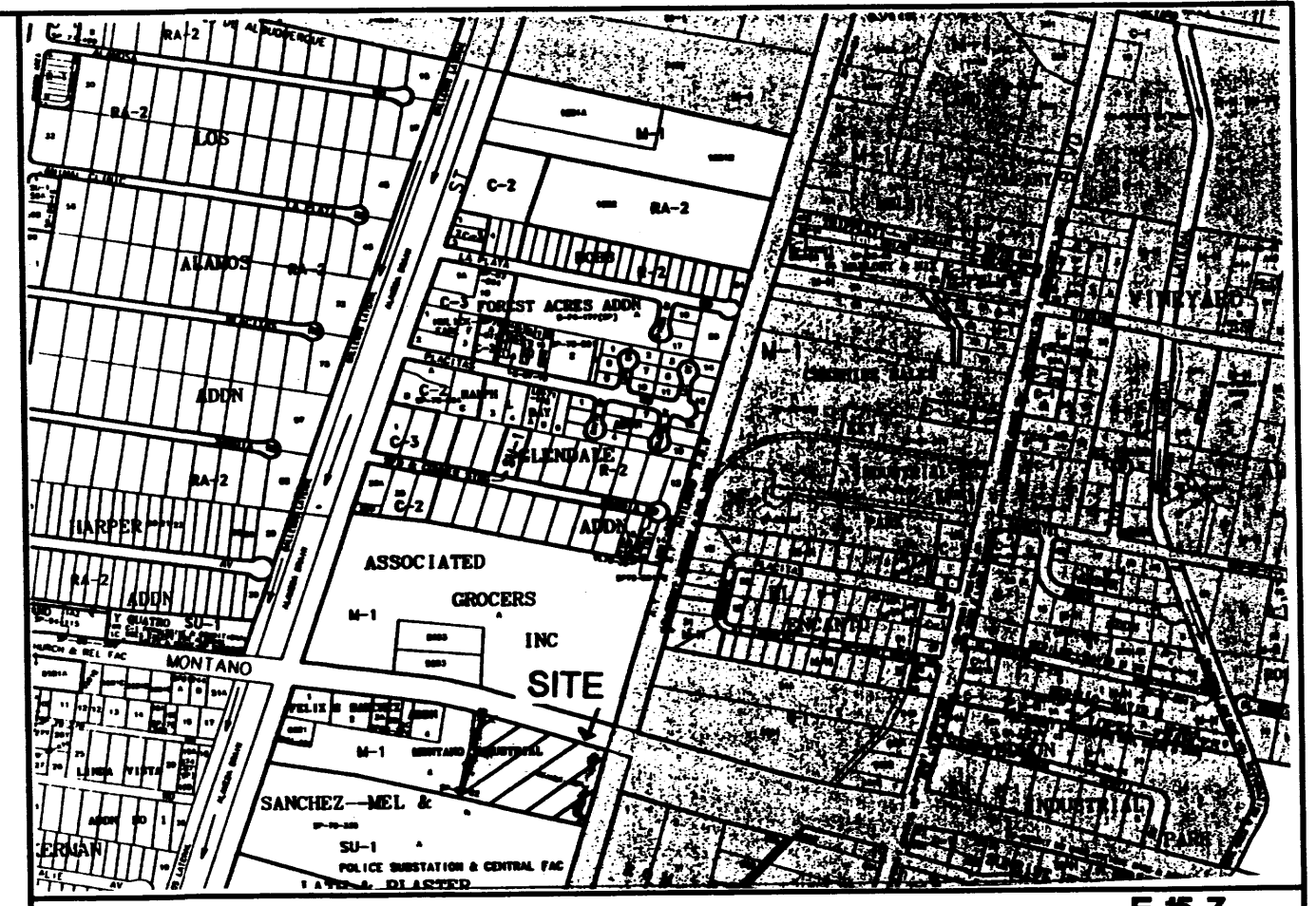
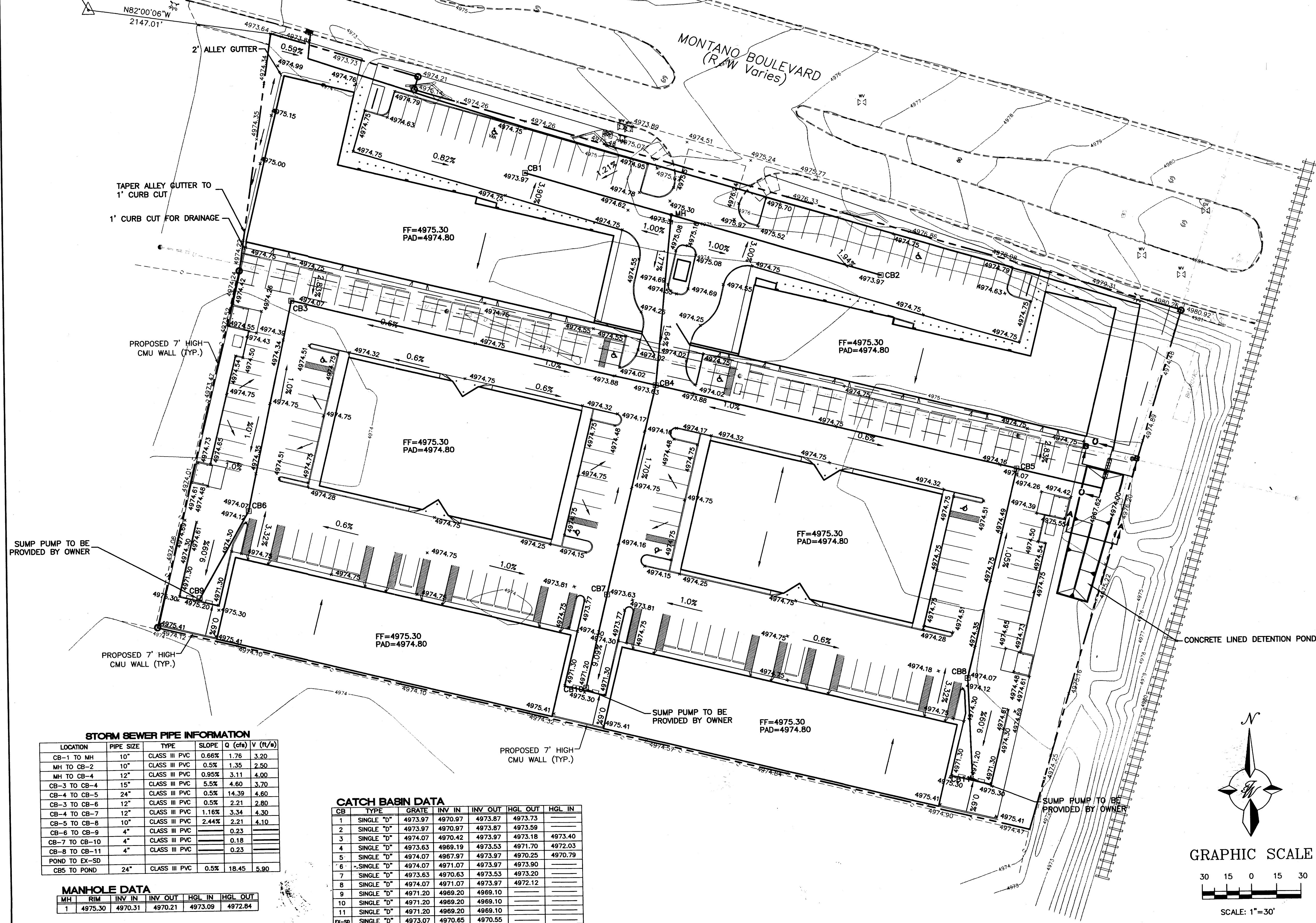




Update	No.	Sheet	Of	18" 			ENGINEER'S SEAL 	NO. DATE BN 5/2010	REMARKS REVISIONS DESIGN	NO. DATE BY	FIELD NOTES NO. BY	SURVEY INFORMATION (NAVDBB) 4978.07 NGS STAINLESS STEEL ROD SET BENEATH A 5 1/2" ACCESS COVER STAMPED "D-438, 1984" SE QUADRANT OF MONTANO RD. & BNSF RAILROAD TRACKS, 42.5 FT± EAST OF CENTERLINE OF TRACKS, 44 FT± SOUTH OF CENTERLINE OF MONTANO RD., 1.1 FT. WEST OF CHAIN LINK FENCE	BENCH MARKS AS BUILT INFORMATION
				No. / Day / Yr.	No. / Day / Yr.								

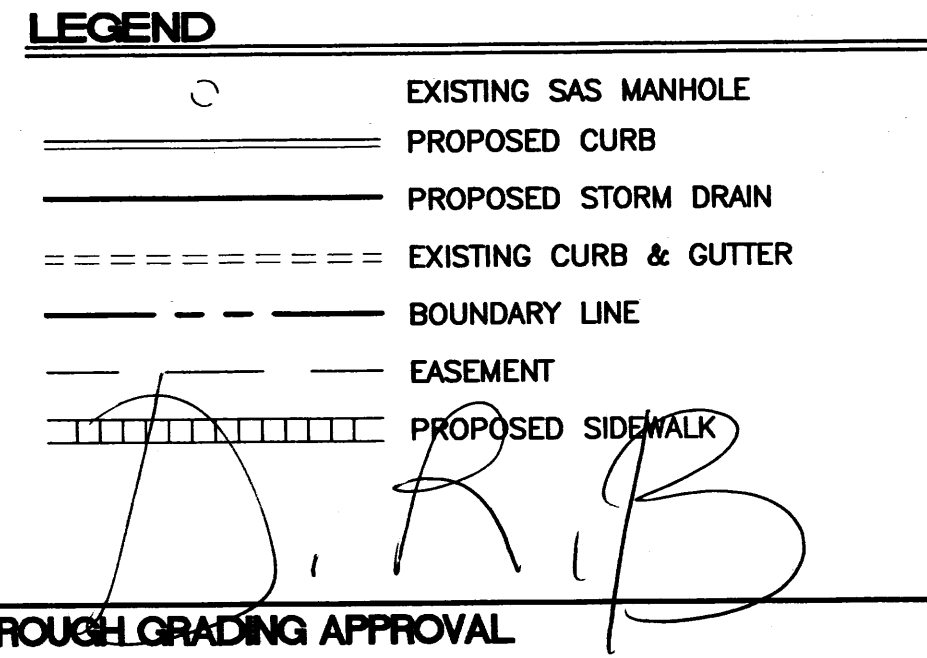
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EL=5029.56
G=9996734
DELTA ALPHA=-0°12'46"



LEGAL DESCRIPTION
A TRACT OF LAND COMPRISED OF A PORTION OF LOTS 4 THRU 9
FELIX S. SANCHEZ ADDITION, AND M.R.G.C.D. TRACTS 66B1B AND 66B2

- EROSION CONTROL NOTES:
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
 - CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
 - CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
 - REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
 - ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE OF ANY PROJECT.



ENGINEER'S SEAL

MONTANO BUSINESS PARK F-15/D032

GRADING AND SITE PLAN
DRAINAGE PLAN

TERRA WEST, LLC
4421 MCLEOD ROAD, N.E., SUITE D
ALBUQUERQUE, NEW MEXICO 87109
(505)883-7592

DRAWN BY WCVJ
DATE 10-26-99
9888GR.DWG
SHEET #

NOV 05 1999

SECTION