

12.1.10

F:\M2065\A2138\IND PLANS\REVISED PLANS\A2138-Title.dwg, 8/30/2007 2:53:14 PM, PLOTTED BY: RHF

8/30

CONSTRUCTION PLANS FOR *NIELSEN INDUSTRIAL PARK* BERNALILLO COUNTY, NEW MEXICO

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PWCO 50051

APPROVAL: BERNALILLO COUNTY PUBLIC WORKS DIVISION
(STORM DRAIN AND ONSITE ROADS)

Roger Green, PE Date
Albuquerque Bernalillo County Water Utility Authority

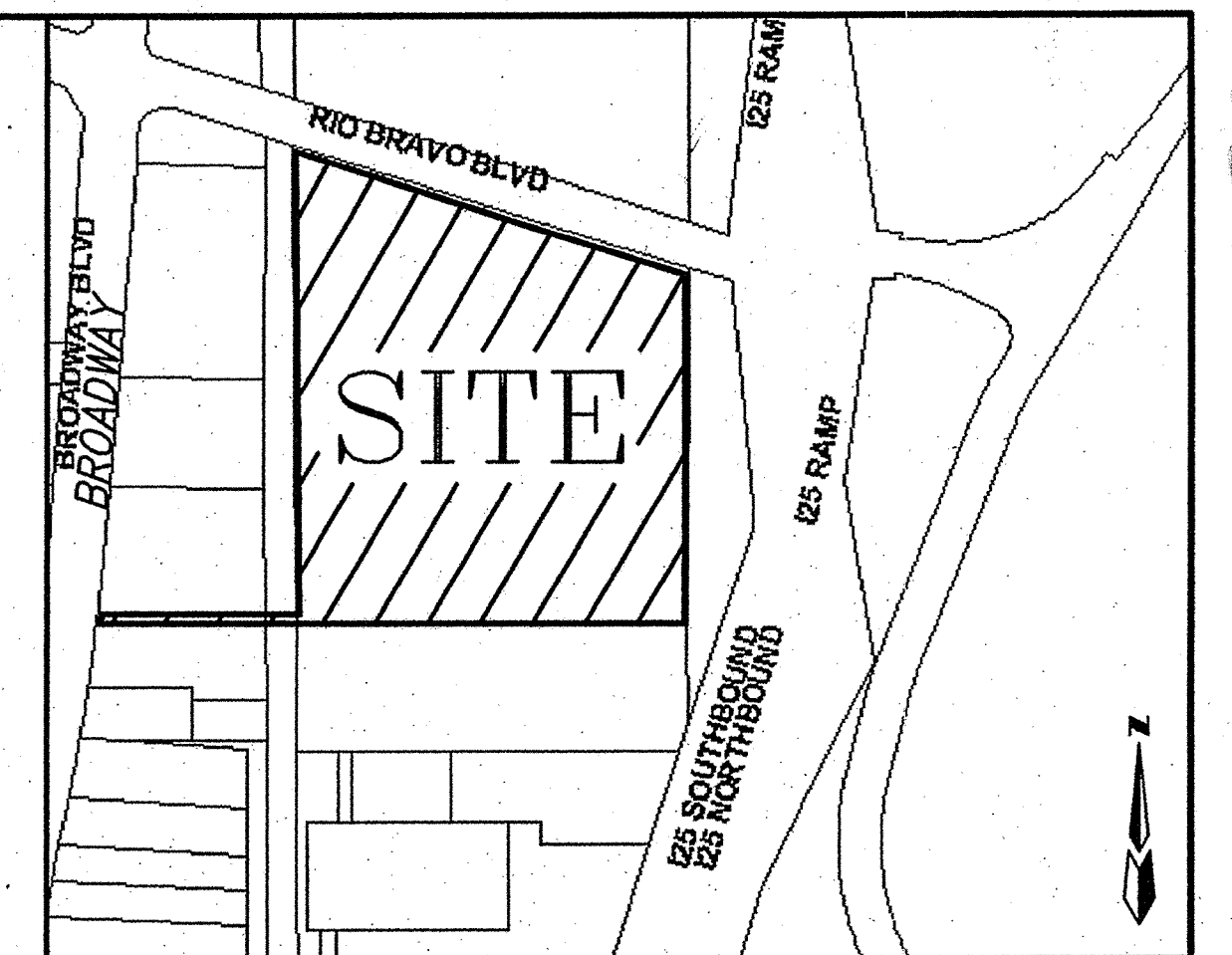
8/28/08

DATE:

CAUTION:
NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. ALL EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE APPROXIMATE LOCATION ONLY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATIONS TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P. O. BOX 90608
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE	
		DRC CHAIRMAN		APPROVED FOR CONSTRUCTION			
		WATER/WASTEWATER		7/20/07			
				CITY ENGINEER		DATE	
		CITY PROJECT NO.		777081		SHEET OF 1 29	



VICINITY MAP ZONE ATLAS # P-14
SCALE: NONE

GENERAL NOTES

NOTICE TO CONTRACTORS

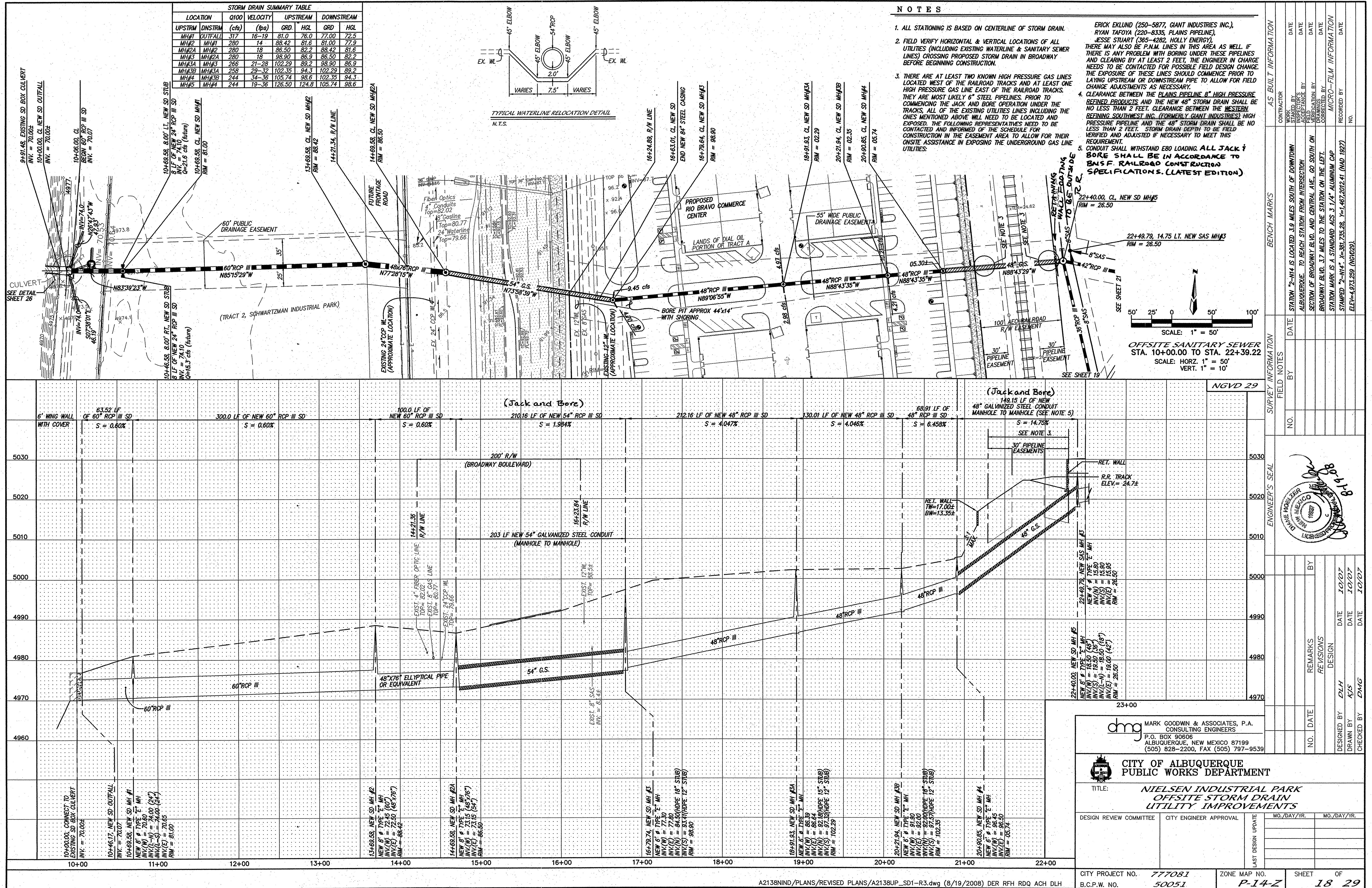
- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY/COUNTY & NMDOT RIGHT-OF-WAY.
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTION IN ACCORDANCE WITH THE NMDOT STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (280-1990) FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- FIVE (5) WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE BERNALILLO COUNTY PUBLIC WORKS A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE BERNALILLO COUNTY PUBLIC WORKS DEPARTMENT. CONTRACTOR SHALL NOTIFY THE BERNALILLO COUNTY TRAFFIC ENGINEER (848-1504) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- ALL WORK AFFECTING ARTERIAL ROADWAYS REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO THE SAME LOCATION AS WAS EXISTING, OR AS INDICATED BY THIS PLAN SET.
- CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT TO COVER THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAVE BEEN RECORDED.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
- CONTRACTOR SHALL COORDINATE WITH THE ALBUQUERQUE WATER SYSTEMS DIVISION (857-8200) SEVEN (7) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER OR SEWER UTILITIES. EXISTING VALVES TO BE OPERATED BY CITY PERSONNEL ONLY. CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION SEVEN (7) WORKING DAYS PRIOR TO NEEDING VALVES TURNED ON OR OFF.
- FOR STORM DRAIN CONSTRUCTION, RCP JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.
- ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED-OUT WITH OSHA 29 CFR 1926.650 SUBPART F.
- ELECTRONIC MARKER DISKS (EMD) WILL BE PLACED ACCORDING TO SECTION 170 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #7.
- PRIVATE STREETS REQUIRE STREET NAME SIGNS, STOP SIGNS, AND ANY NECESSARY STRIPING (DEVELOPER'S RESPONSIBILITY).

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

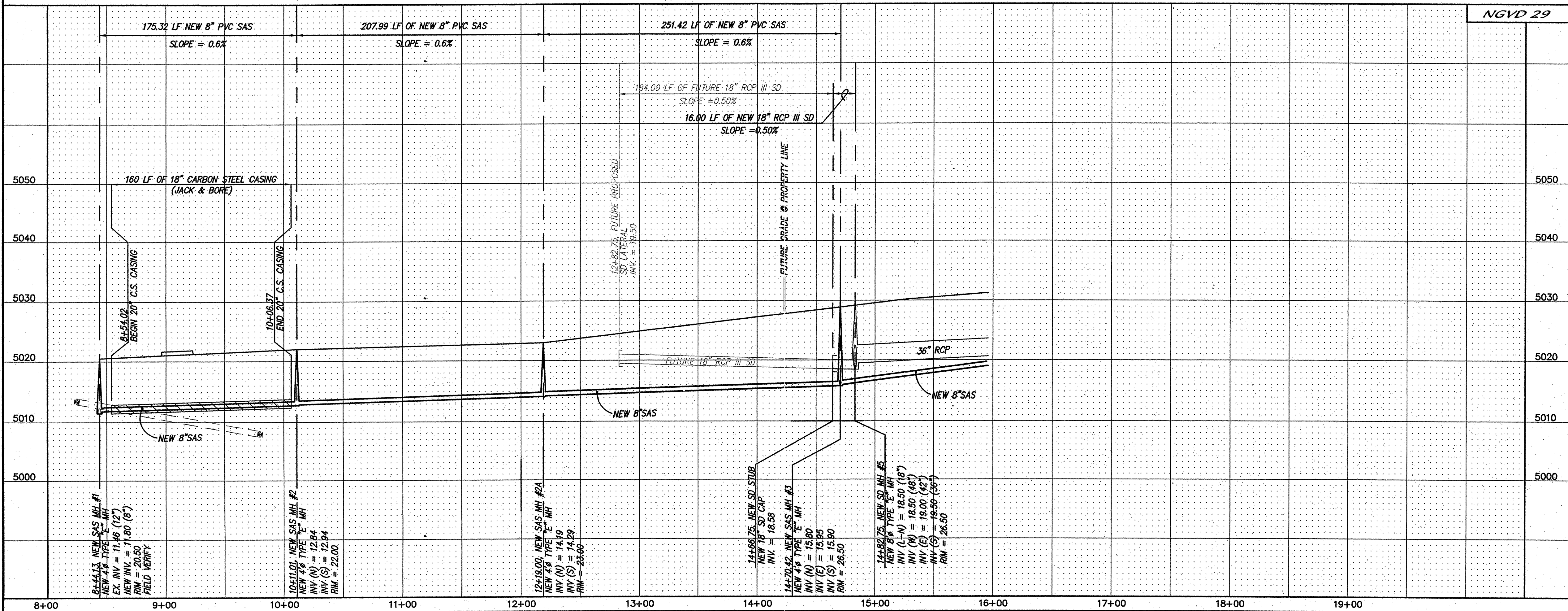
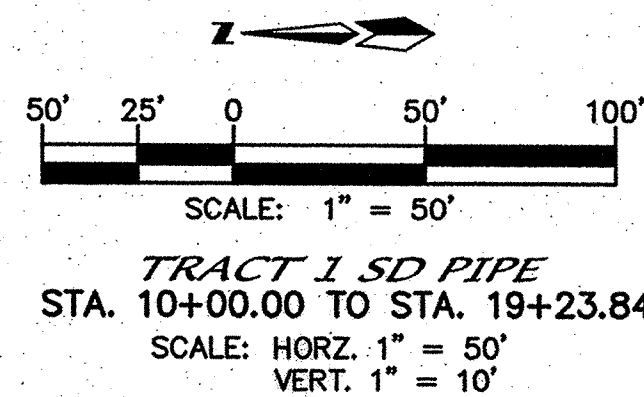
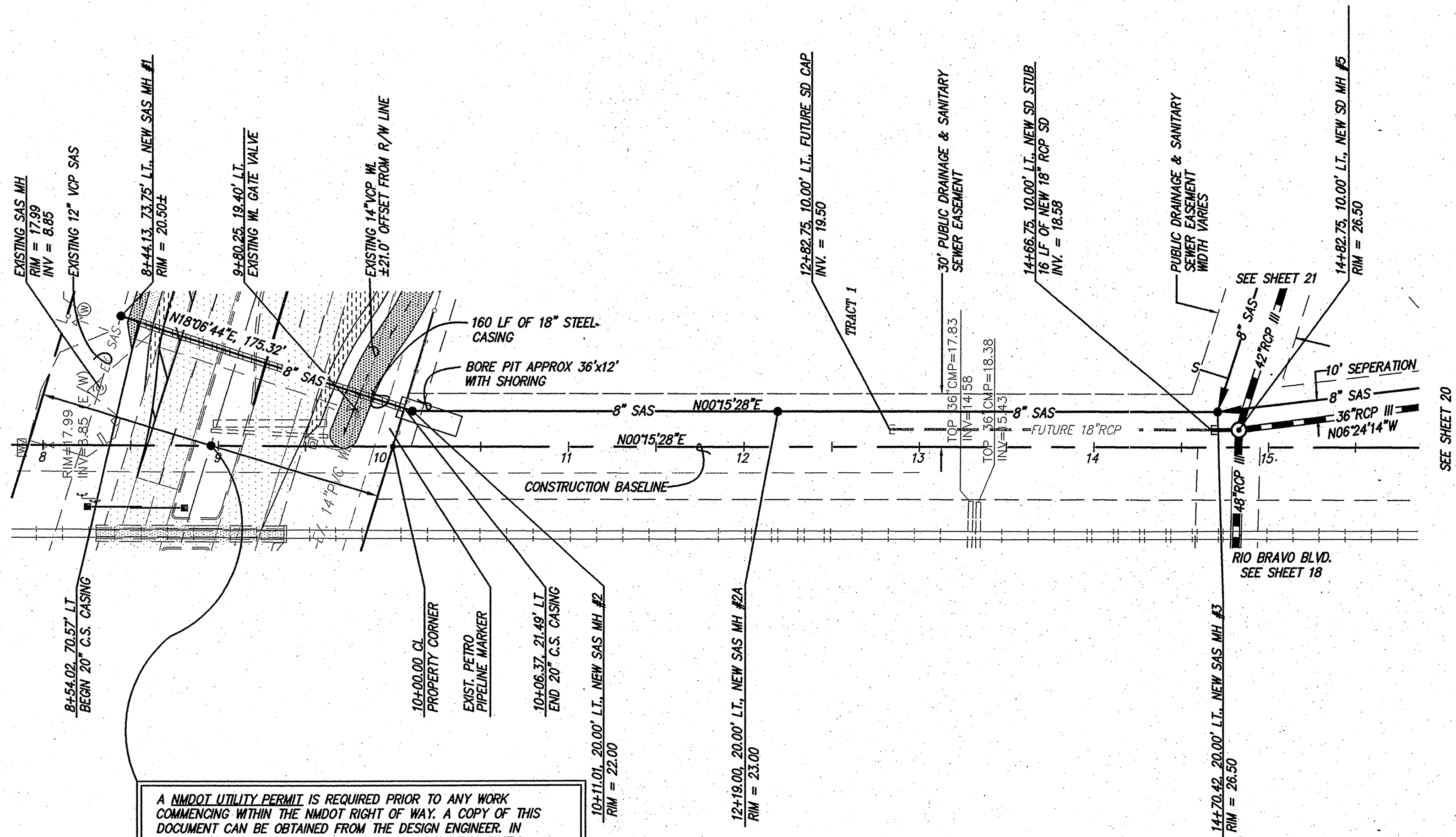
- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE ENGINEER.
- ☒ SIDEWALK AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

PWCO 50051
NIELSEN INDUSTRIAL PARK
SEPT. 24, 2008
FINAL
1 OF 2

F:\A2138NIND\PLANS\REVISED PLANS\A2138UP_SD1-R3.dwg (8/19/2008) DER RFH RDQ ACH DLH



F:\A2138NIND\PLANS\Revised Plans\A2138UTPP_RIO BRAVO-NIELSEN_R1.dwg, 3/11/2008 2:08:33 PM, PLOTTED BY: RFH



NOTES

1. ALL STATIONING IS BASED ON THE WEST PROPERTY LINE.
2. STORM DRAIN CONSTRUCTION IS UNDER BERNALILLO COUNTY PUBLIC WORKS DEPT. AND WATERLINE AND SANITARY SEWER IS UNDER CITY OF ALBUQUERQUE JURISDICTION.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	STATION	DATE	NO.	BY	NO.	DATE
STATION 2+14 IS LOCATED 3.9 MILES SOUTH OF DOWNTOWN ALBUQUERQUE TO REACH STATION FROM INTERSECTION SECTION OF BROADWAY BLVD. AND CENTRAL AVE. GO SOUTH ON BROADWAY BLVD. 3.7 MILES TO THE STATION ON THE LEFT. STATION MARK IS A STANDARD ACS 3 1/4" ALUMINUM CAP STAMPED "2-114". X=381,735.28, Y=1,467,202.41 (MAD 1927) ELEV=4,973.289 (NGVD29).							
CONTRACTOR	DATE	STATION	DATE	NO.	BY	NO.	DATE
INSPECTOR'S	DATE	STATION	DATE	NO.	BY	NO.	DATE
VERIFICATION BY	DATE	STATION	DATE	NO.	BY	NO.	DATE
CORRECTED BY	DATE	STATION	DATE	NO.	BY	NO.	DATE
MICRO-FILM INFORMATION	DATE	STATION	DATE	NO.	BY	NO.	DATE
RECORDED BY	DATE	STATION	DATE	NO.	BY	NO.	DATE
NO.	DATE	STATION	DATE	NO.	BY	NO.	DATE

ENGINEER'S SEAL

MARK GOODWIN & ASSOCIATES, P.A. CONSULTING ENGINEERS

P.O. BOX 90606 ALBUQUERQUE, NEW MEXICO 87199 (505) 828-2200, FAX (505) 787-9539

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT

TITLE: NIELSEN INDUSTRIAL PARK TRACT 1 EASEMENT STORM/SAS UTILITY IMPROVEMENTS

DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL

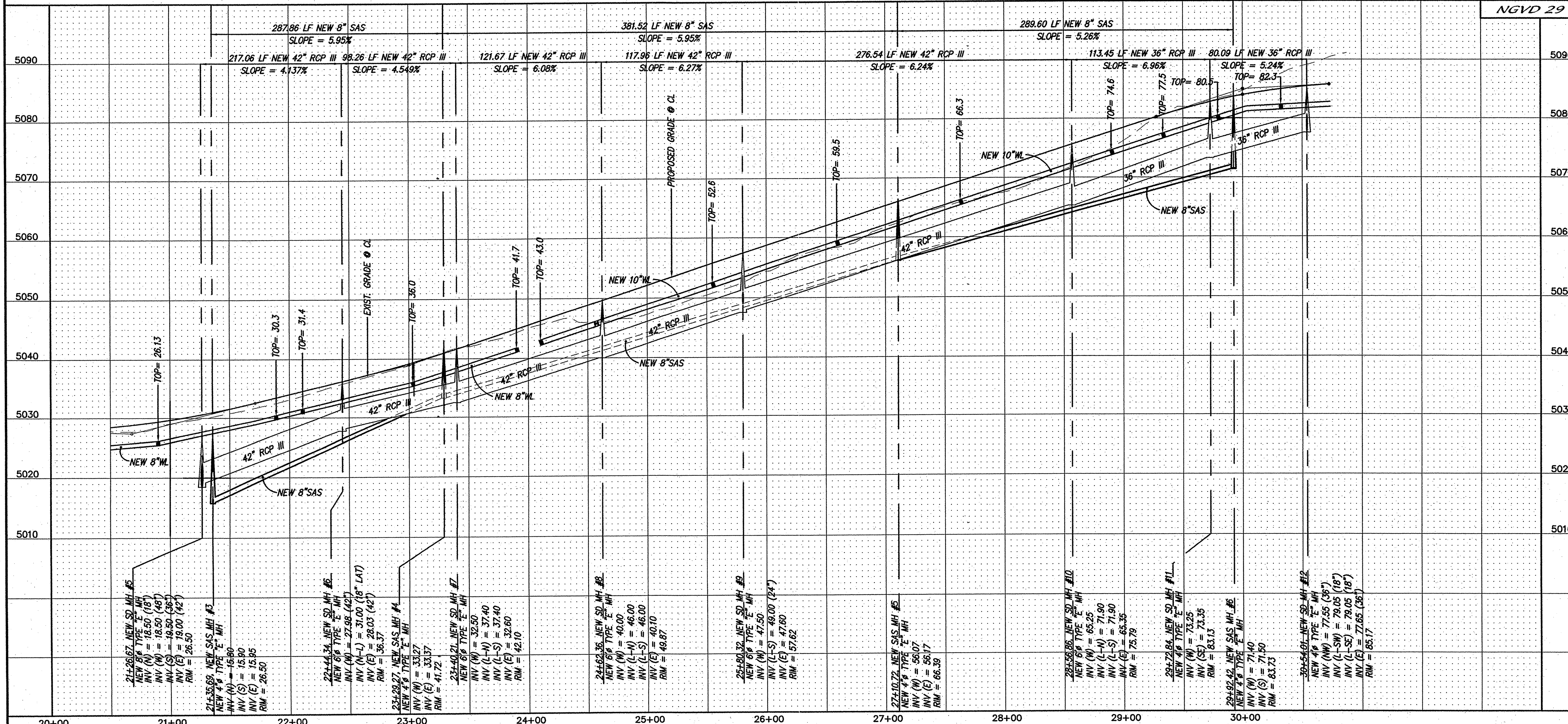
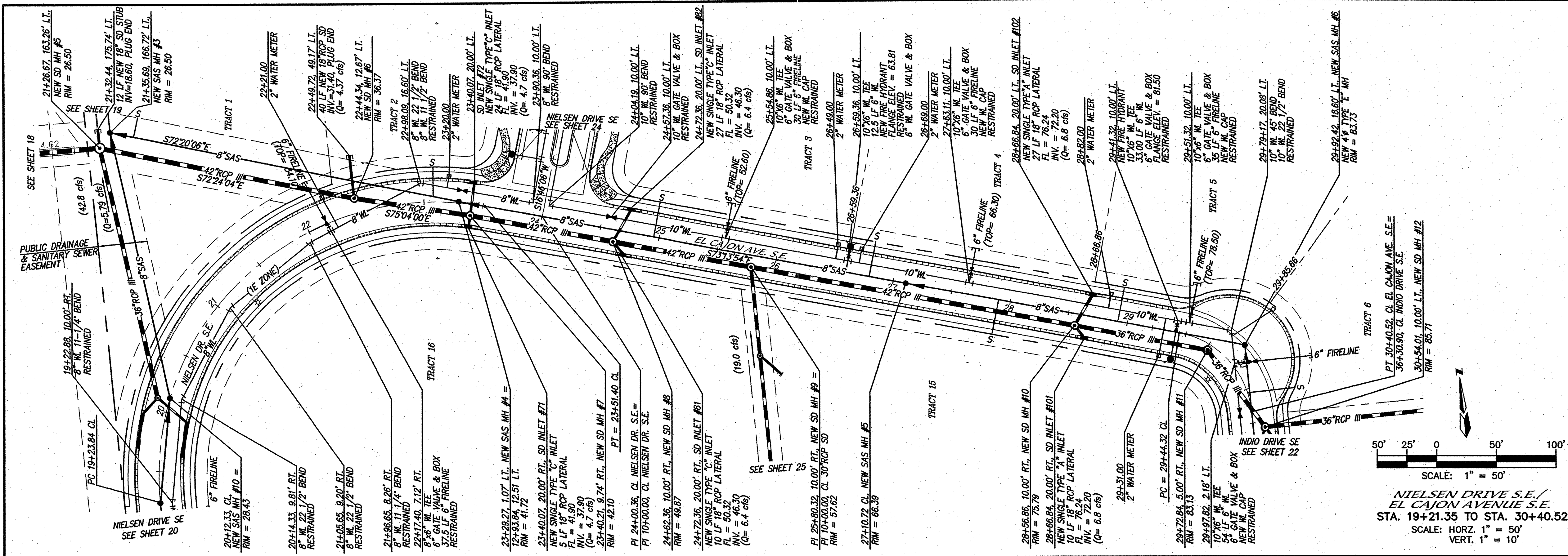
LAST DESIGN UPDATE

MO./DAY/YR. MO./DAY/YR.

CITY PROJECT NO. 777081 B.C.P.W. NO. 50051

ZONE MAP NO. P-14-Z

SHEET 19 OF 29



NOTES

- ALL STATIONING IS BASED ON EL CAJON AVE. CENTERLINE.
- STORM DRAIN CONSTRUCTION IS UNDER BERNALILLO COUNTY PUBLIC WORKS DEPT. AND WATERLINE AND SANITARY SEWER IS UNDER CITY OF ALBUQUERQUE JURISDICTION.

CONTRACTOR

STATION 2+M4 IS LOCATED 3.9 MILES SOUTH OF DOWNTOWN ALBUQUERQUE. TO REACH STATION FROM INTERSECTION OF BROADWAY BLVD. AND CENTRAL AVE. GO SOUTH ON BROADWAY BLVD. 3.7 MILES TO THE STATION ON THE LEFT.

STATION MARK IS A STANDARD AS 3 1/4" ALUMINUM CAP STAMPED "2-M4" X=361,735.28, Y=1,467,202.41 (AND 1927) ELEV=4,973.258 (NGVD29)

ENGINEER'S SEAL

DATE

BY

NO.

STORM DRAIN SUMMARY TABLE

LOCATION	Q100	VELOCITY	UPSTREAM	DOWNSTREAM
UPSTRM	DNSTRM	(cfs)	(fps)	GRD HGL GRD HGL
MH#6	MH#5	195	20-24	136.37 130.9 126.50 124.80
MH#7	MH#6	191	25	142.10 135.1 136.37 130.90
MH#8	MH#7	181	25-26	149.87 142.5 142.10 135.10
MH#9	MH#8	168	24-26	157.62 149.9 149.87 142.50
MH#10	MH#9	150	23-27	175.79 167.5 157.62 149.90
MH#11	MH#10	136	23-26	183.13 175.7 175.79 167.50
MH#12	MH#11	136	19-22	185.17 180.52 183.13 175.70

PWCO: 50051

MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90608
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: **NIelsen INDUSTRIAL PARK**
EL CAJON AVENUE S.E.
UTILITY IMPROVEMENTS

DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL

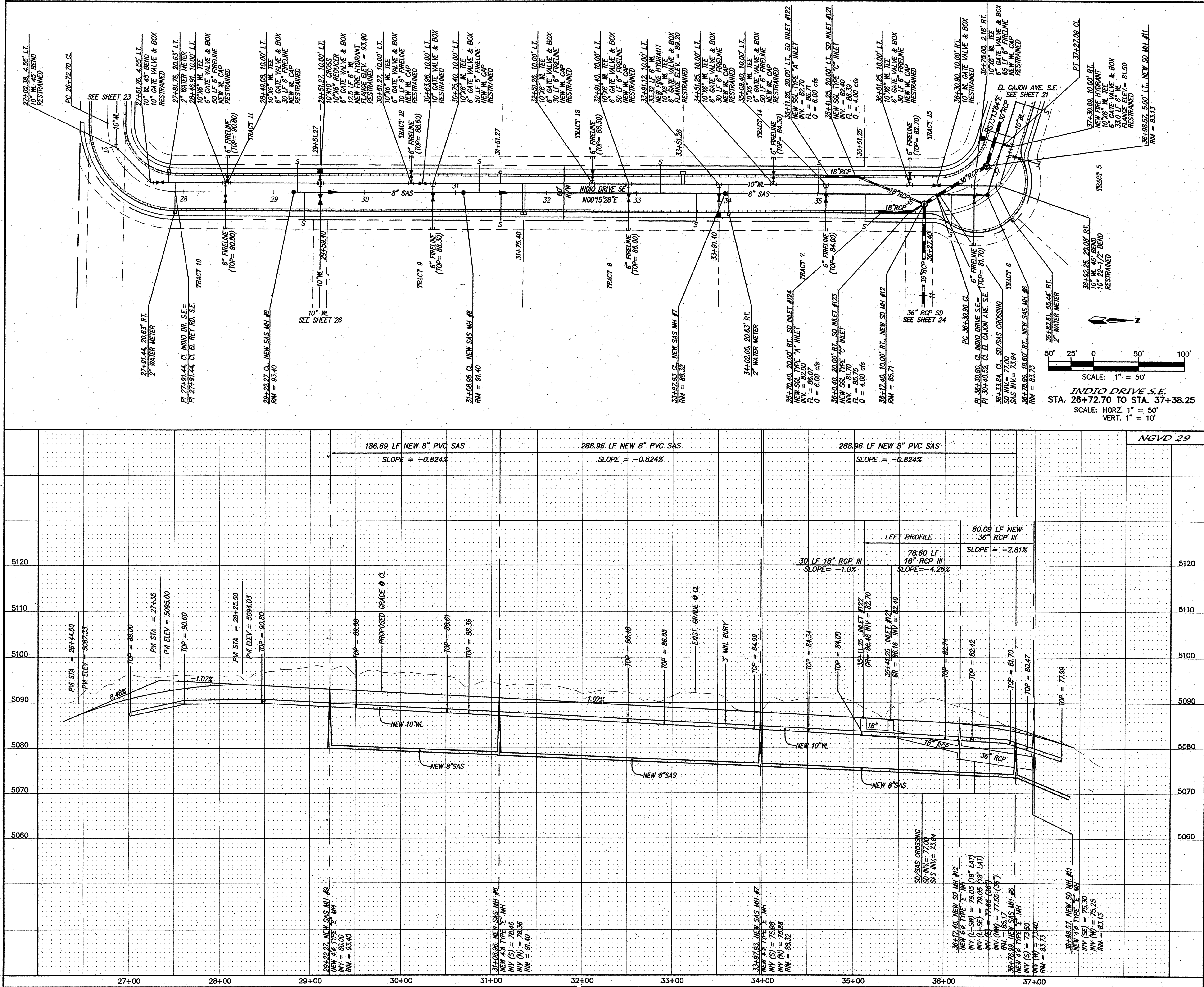
LAST DESIGN UPDATE

MO./DAY/YR. MO./DAY/YR.

CITY PROJECT NO. **777081**
B.C.P.W. **50051**

ZONE MAP NO. **P-14-Z**

SHEET **21** OF **29**



NOTES

1. ALL STATIONING IS BASED ON INDIO DRIVE CENTERLINE.

2. STORM DRAIN CONSTRUCTION IS UNDER BERNALILLO COUNTY PUBLIC WORKS DEPT. JURISDICTION AND WATERLINE AND SANITARY SEWER IS UNDER CITY OF ALBUQUERQUE JURISDICTION.

CONTRACTOR

STATION 2+14 IS LOCATED 3.9 MILES SOUTH OF DOWNTOWN ALBUQUERQUE. TO REACH STATION FROM INTERSECTION OF BROADWAY BLVD. AND CENTRAL AVE. GO SOUTH ON BROADWAY BLVD. 3.7 MILES TO THE STATION ON THE LEFT.

SECTION

SECTION OF BROADWAY BLVD. AND CENTRAL AVE. GO SOUTH ON BROADWAY BLVD. 3.7 MILES TO THE STATION ON THE LEFT.

STATION

STATION MARK IS A STANDARD ACS 3 1/4" ALUMINUM CAP STAMPED "2-NH4" X=381.735.28 Y=1467.2012.41 (NAD 1927) ELEV=4,973.259 (NGVD29).

FIELD NOTES

NO.	DATE	BY
1	6	36+47.00
1	7	35+52.40
1	8	33+66.40
1	9	31+50.40
1	10	29+34.40
1	11	29+26.27
1	12	31+26.27
1	13	33+26.26
1	14	35+01.25

ENGINEER'S SEAL

MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90806
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: **NIelsen INDUSTRIAL PARK**
INDIO DRIVE S.E.
UTILITY IMPROVEMENTS

DESIGN REVIEW COMMITTEE: CITY ENGINEER APPROVAL

DESIGNED BY: **DLH** DATE: **05/05**
DRAWN BY: **KJS** DATE: **05/05**
CHECKED BY: **DMG** DATE: **05/05**

CITY PROJECT NO. **777081**
B.C.P.W. NO. **50051**

ZONE MAP NO. **P-14-Z**

SHEET **22** OF **29**

EL. DRAIN SEE SHEET 21

30" RCP

6" FIRELINE

INDIO DRIVE S.E. SEE SHEET 22

36" RCP

3.35%

30' PUBLIC DRAINAGE EASEMENT

TRACT 6

TRACT 7

50' PNM EASEMENT 3:1 MAX.

4.33%

TB=24.0 INV=19.0

SEE DETAIL THIS SHEET

5' DEPTH (MIN)

6" ABOVE BOTTOM

BEEHIVE INLET GRATE = 118.70

118.20 GROUND (INVERT)

6" DIA.

36" RCP

Inv. = 111.0

4" Concrete Floor

10+00.00 CL. NEW SD. MH #12= 36+17.49, 10.00 L.T., NEW SD. MH #12 (INDIO) R/W = 85.17

13+00.00 CL. NEW SD. MH #12A R/W = 096.00

14+28.39 CL. NEW SD. MH #12B R/W = 101.0

14+39.39 CL. NEW SD. TOE OF SLOPE

15+13.39 CL. NEW SD. PROPERTY LINE

15+44.88 NEW SD. MH #12C INV. = 111.00 Q = 116.2 cfs

128.10

128.0

131.0

131.0

slope = 2.00%

slope = 1.00%

7'

N

50' 25' 0 50' 100'

SCALE: 1" = 50'

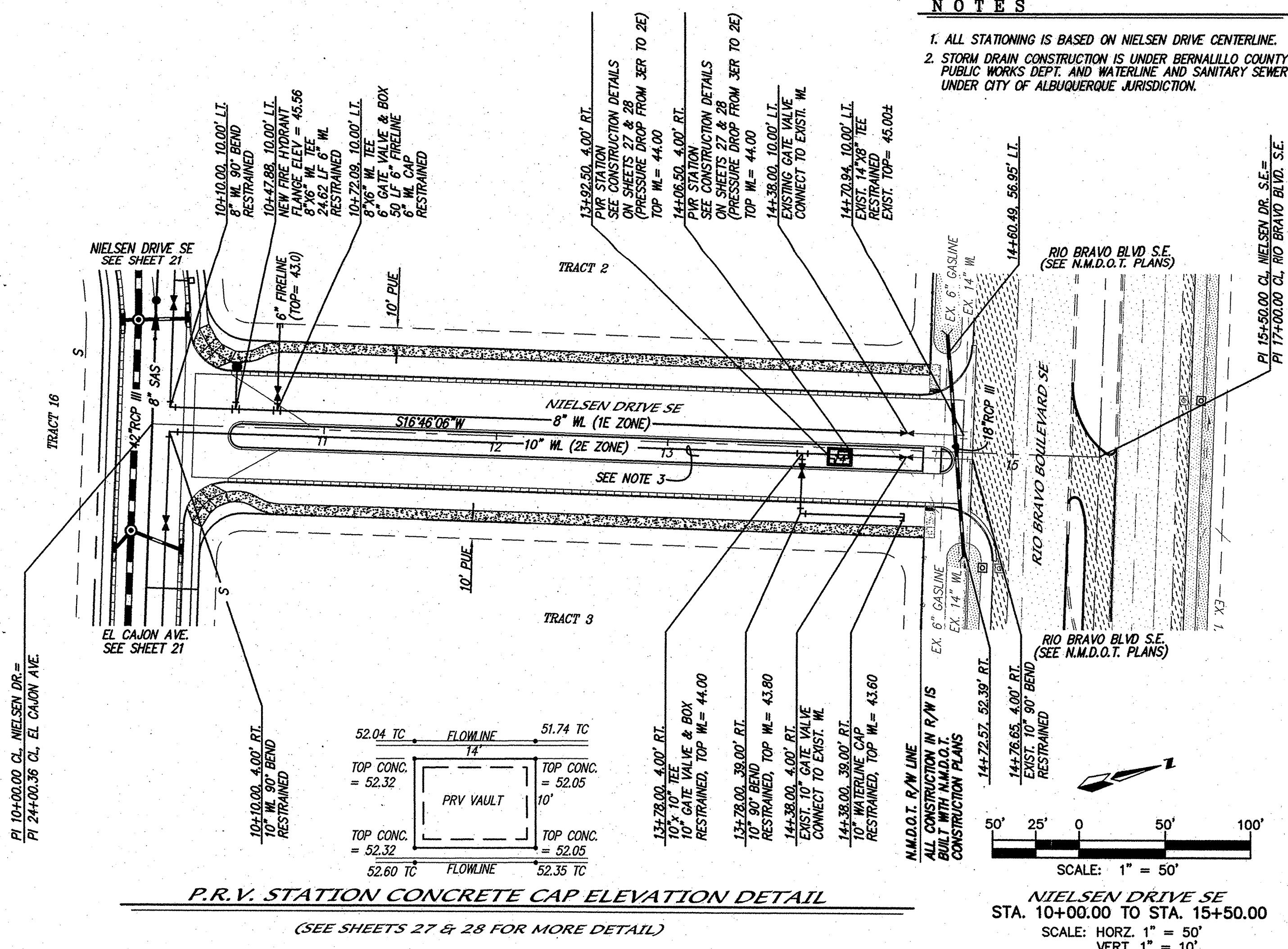
TRACT 7 EASEMENT

STA. 10+00.00 TO STA. 15+36.88

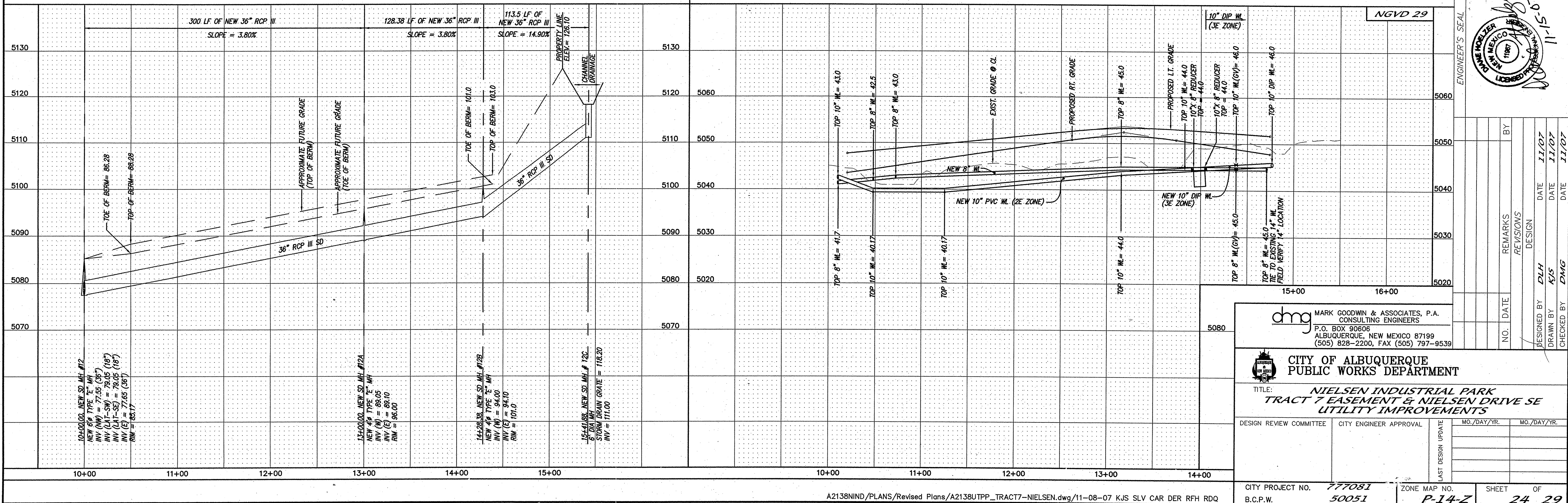
SCALE: HORIZ. 1" = 50'

VERT. 1" = 10'

1. ALL STATIONING IS ALONG SD PIPE.
2. STORM DRAIN CONSTRUCTION IS UNDER BERNALILLO COUNTY PUBLIC WORKS DEPT. AND WATERLINE AND SANITARY SEWER IS UNDER CITY OF ALBUQUERQUE JURISDICTION.



1. ALL STATIONING IS BASED ON NIELSEN DRIVE CENTERLINE.
2. STORM DRAIN CONSTRUCTION IS UNDER BERNALILLO COUNTY PUBLIC WORKS DEPT. AND WATERLINE AND SANITARY SEWER IS UNDER CITY OF ALBUQUERQUE JURISDICTION.

[illegible]

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9536

 CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: *NIELSEN INDUSTRIAL PARK
TRACT 7 EASEMENT & NIELSEN DRIVE SE*

UTILITY IMPROVEMENTS				
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	ST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO.	777081	ZONE MAP NO.	SHEET OF
B.C.P.W.	50051	P-14-Z	24 29