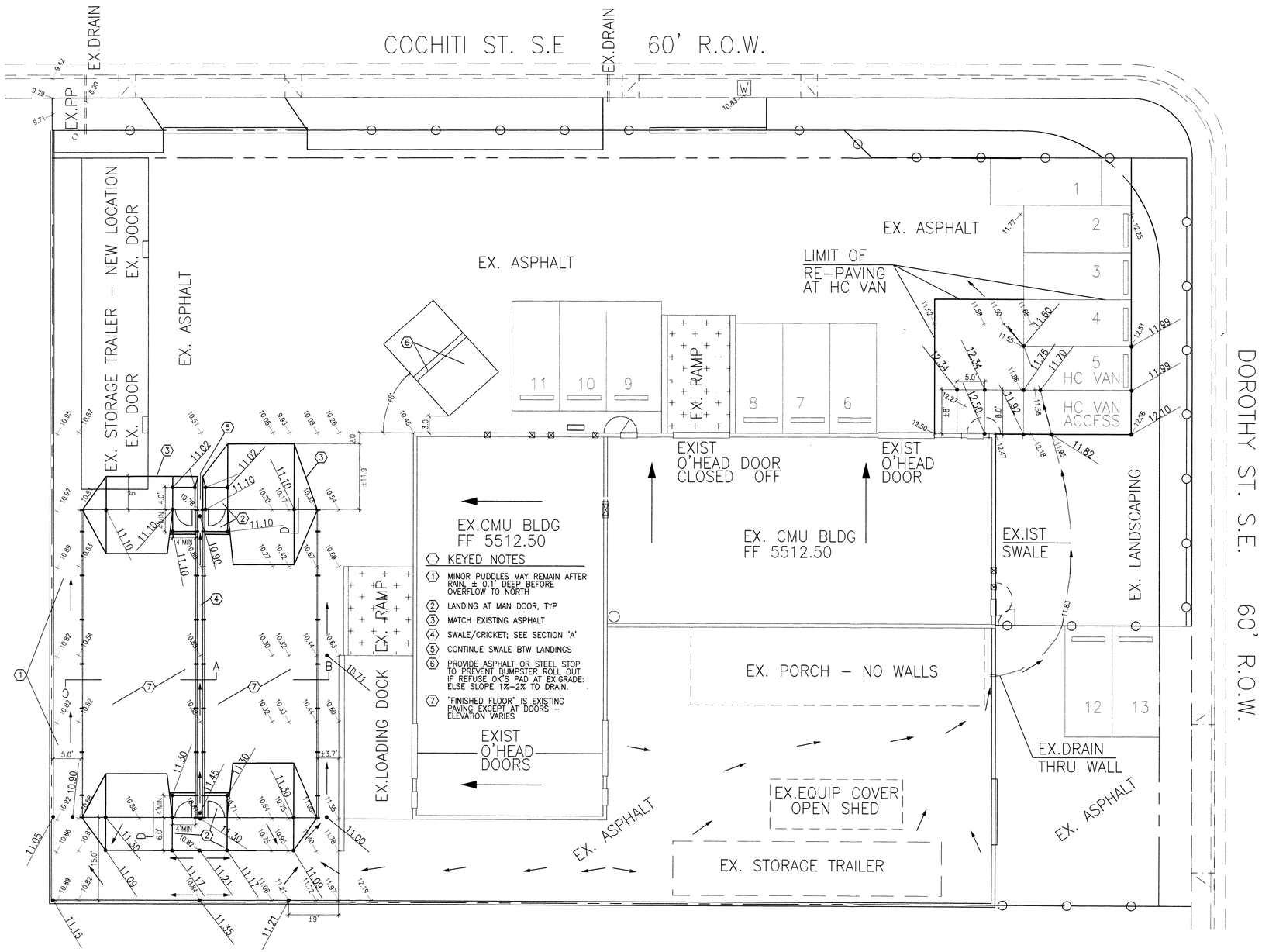

LEGEND

TW	TOP OF WALL	FG	FINISHED GRADE
INV	INVERT	EG	EXISTING GRADE
LP	LIGHT POLE		WATER VALVE
PP	POWER POLE		WATER METER
T	TELEPHONE		FIRE HYDRANT
G	GAS	0.0	NEW CONTOURS
SAS	SANITARY SEWER	0.0	EXISTING CONTOURS
SD	STORM DRAIN		FLOW DIRECTION
W	WATER		NEW CURB AND GUTTER
E,EX	EXISTING: ELECTRICITY		EXISTING CURB AND GUTTER
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FF	FINISHED FLOOR		
	REPAVE EXISTING ASPH. TO NEW GRADES		

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BENCHMARK (PER PREVIOUS DRAINAGE PLAN THIS SITE): BRASS CAP LOCATED AT THE SOUTHEAST CORNER OF CENTRAL SE AND BRITT SE, MSL ELEVATION 5486.945

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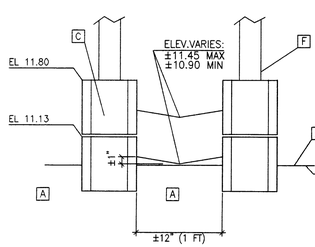
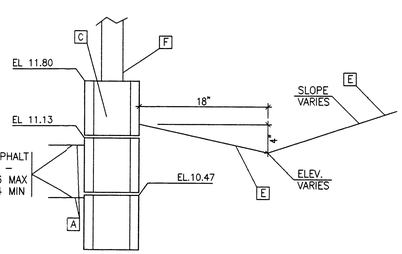
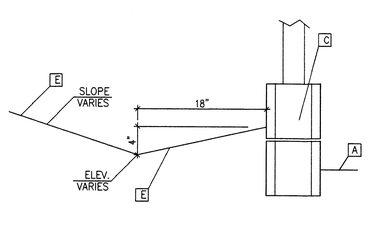


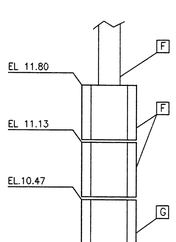
SECTION A–A
WALL BTW QHs



SECTION B–B
EAST WALL EAST QH



SECTION C–C
WEST WALL WEST QH



SECTION D–D
TYPICAL CMU ARRANGEMENT

KEYED NOTES

- A EXIST. TOP OF ASPHALT
- B FRAME OF QH (QUONSET HUT) BEYOND
- C GROUT ALL CELLS TYP: SEE STRUCTURAL
- D GROUT OR LEAN FILL SWALE BETWEEN QUONSET HUTS
- E NEW TOP OF ASPHALT
- F 2 CELLS, WEST QH & W HALF EAST QH
- G 3 CELLS, E HALF EAST QH (INC 1/2 EACH END)

NOTE: THESE CMU BASE WALLS ARE NON–STRUCTURAL. LOADS ARE CARRIED BY PIERS AT QH FRAME POINTS.

RASTER IMAGE: _____
RASTER IMAGE: _____
PLOT SCALE 1:10 (1 INCH = 10 FEET)
I:\Adher\Adhrsit2.dwg DATE: 11/10/99 TIME: 16:55 T. GREEN

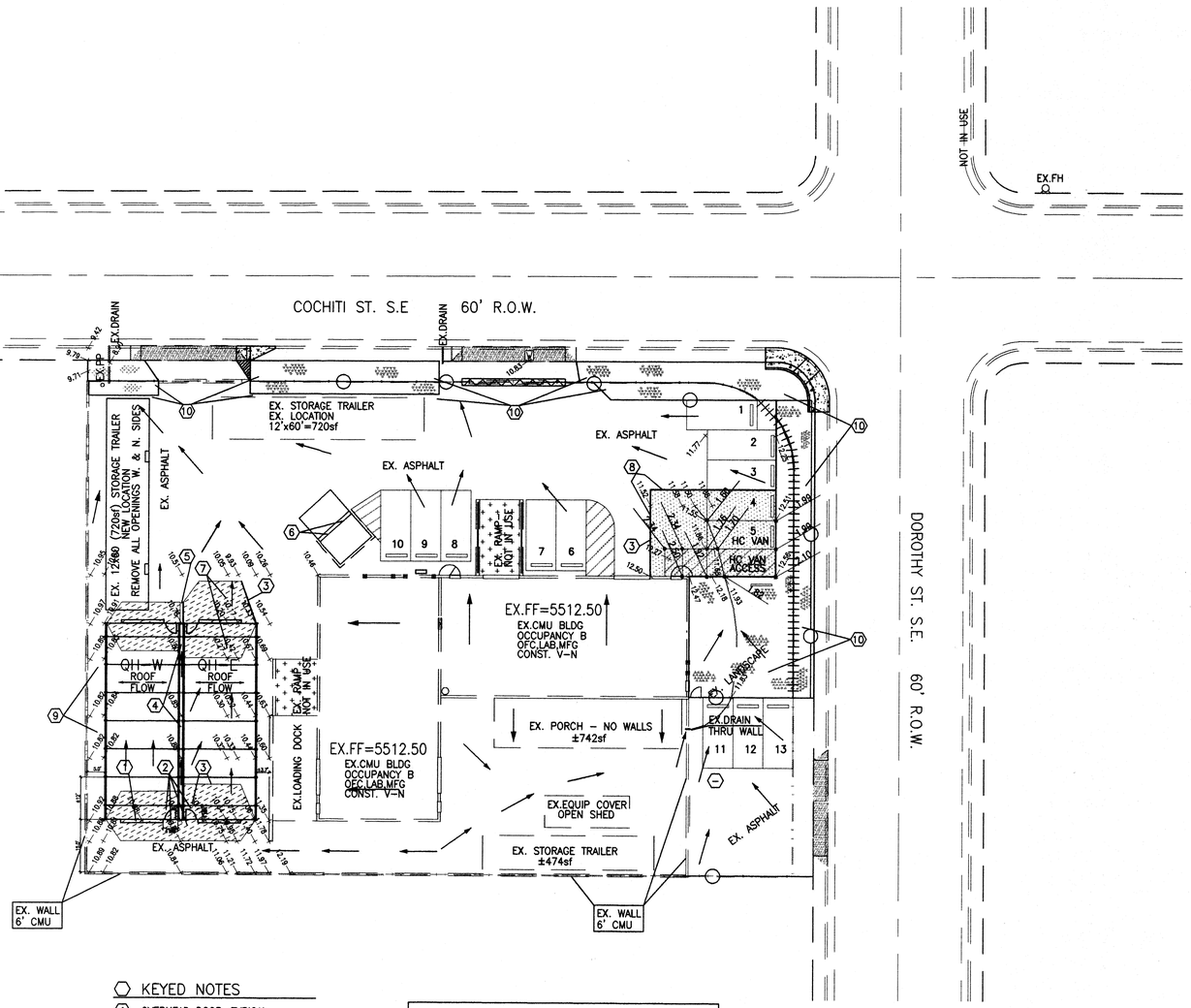
TUCKER H. GREEN 10731 REGISTERED PROFESSIONAL ENGINEER
11–10–99

ADHERENT TECHNOLOGY
11208 COCHITI RD. SE, ALBUQUERQUE NM

GRADING & DRAINAGE
SPOT ELEVATIONS & DETAILS

PER SE ENGINEERING
Drainage, Utilities, and Site Design
9109 La Barranca NE Albuquerque NM 87111
(505) 275–0451 239–7855 mobile

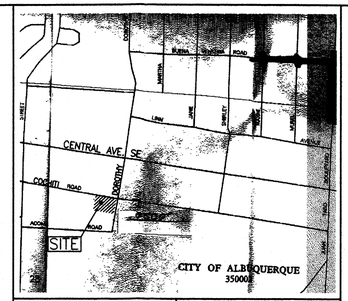
SHEET D2 OF 2



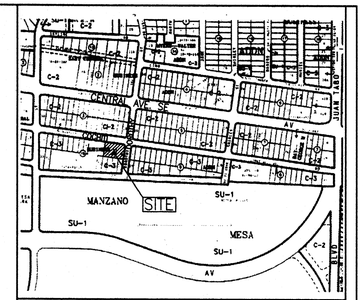
KEYED NOTES

1. OVERHEAD DOOR, TYPICAL
2. LANDING AT MAN DOOR, TYP
3. MATCH EXISTING ASPHALT
4. SWALE/CRICKET; SEE DETAIL SHT 2
5. CONTINUE SWALE BTW LANDINGS
6. PROVIDE CONCRETE BUMP OR STEEL STOP TO PREVENT DUMPSTER ROLL OUT
7. ASPHALT LANDING/RAMP @ QH, 4 TOTAL
8. LIMIT OF RE-PAVING, HC PARKING AND ACCESS AREA
9. MINOR PUDDLES MAY REMAIN AFTER RAIN (±0.1 DEEP BEFORE OVERFLOW TO NORTH)
10. LANDSCAPING; DETAILS ON LANDSCAPE PLAN

SEE SHEET D2 FOR DETAILED GRADING NEAR QUONSET HUTS AND HC PARKING



FLOOD ZONE MAP NOT TO SCALE | 1996 FEMA PANEL 35001C-0359-D



VICINITY MAP NOT TO SCALE | ZONE ATLAS PAGE L-21

DRAINAGE REPORT for
ADHERENT TECHNOLOGIES IMPROVEMENTS
11208 Cochiti Rd. SE Albuquerque NM 87123 Map L-21

LEGAL DESCRIPTION: Lot 16-A, East Central Business Park

FLOOD ZONE: Per FEMA Panel 35001CO 359 D the site is not located in a 100-year flood zone.

EXISTING CONDITIONS: The site, located at the southwest corner of Cochiti and Dorothy SE, is the home of a small research and development company. Current development fills the entire site and consists of a CMU (concrete block) building, paved parking, landscaping, and two outside storage trailers. Currently, part of the paved area is used for outside storage. An existing CMU wall runs along the west property line and then east along the entire back of the existing buildings, then turns north to end at the southeast corner of the existing building. No offsite flow enters the site. The CMU building was constructed in two phases in the 1980's; the plan sets for both phases included drainage sheets. Drainage mitigation involved onsite detention (with controlled release to Cochiti Rd) in the paved parking area.

PROPOSED DEVELOPMENT: At the proposal stage, Per Se discussed the project informally with John Murray of City of Albuquerque PWD/Hydrology. For the simple changes proposed, Mr. Murray indicated that a simple submittal would suffice, and that a complete drainage analysis would not be needed. With that in mind, site grades were shot only in the areas of proposed changes, and the "TBM" was the record finished floor elevation from the previous (1980's) plan sets. In the areas of proposed changes, new grading is "tight" enough that it is shown primarily as lots of spot elevations on the second plan sheet at enlarged scale, along with many of the existing spot elevations.

Primarily, the owner proposes to erect 2 used Quonset Huts (Qhs) on top of existing paving between the CMU building and the existing CMU wall at the west side of the site. The owner says the Qhs are to be used only for storage accessible by forklift. The existing paving will be the inside floor of the QHs, except for ramps and sills at the entrances; these will keep runoff out of the Qhs. In the QH area the only change in grading has to do with diverting runoff around the Qhs and ramping into and out of the QH's. The lowest new grades here, at the toe of the north ramp of the east QH, are high enough so that the existing in-paving ponding is not affected.

The owner also proposes to move an existing storage trailer (former mobile home) from along the north property line to along the west property line. If the Qhs clean up the site enough, this trailer may be removed from the site completely, but for now the plans show the new location. Since the trailer sits up on blocks, it does not have any appreciable impact on the in-paving ponding.

Because of the proposed changes, the owner has to bring other parts of the site up to current City standards, particularly as to parking, refuse (dumpster), and landscaping requirements. The other major area where new grades are proposed is near the northeast corner of the existing building (away from the Qhs), where the handicap van parking and access will be located. The lowest proposed grades in this area are also high enough than any in-paving ponding will not be affected. Any additional landscaping that might be required onsite (probably none) would only tend to decrease runoff.

LEGEND

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INV	INVERT	EG	EXISTING GRADE
LP	LIGHT POLE		WATER VALVE
PP	POWER POLE		WATER METER
T	TELEPHONE		FIRE HYDRANT
G	GAS	0.0	NEW CONTOURS
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SW	SIDEWALK		EXISTING GRASS
FF	FINISHED FLOOR		EXIST. CHAIN LINK FENCE
	REPAVE EXISTING ASPH. TO NEW GRADES		PROPERTY LINE
	EXISTING GRAVEL MUCLH		
	NEW CHAIN LINK FENCE		

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RECEIVED JAN 10 2000 DRAINAGE SECTION

APPROVED, C.O.A. HYDROLOGY DATE

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RASTER IMAGE: I:\ADHER\ADHRVIC.TIF
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PLOT SCALE 1:20 (1 INCH = 20 FEET)
I:\Adher\Adhrsit3.dwg DATE: 01/10/00 TIME: 01:33 T. GREEN

TUCKER H. GREEN 10731 NEW MEXICO REGISTERED PROFESSIONAL ENGINEER

11-10-99
REV1: 1-9-00

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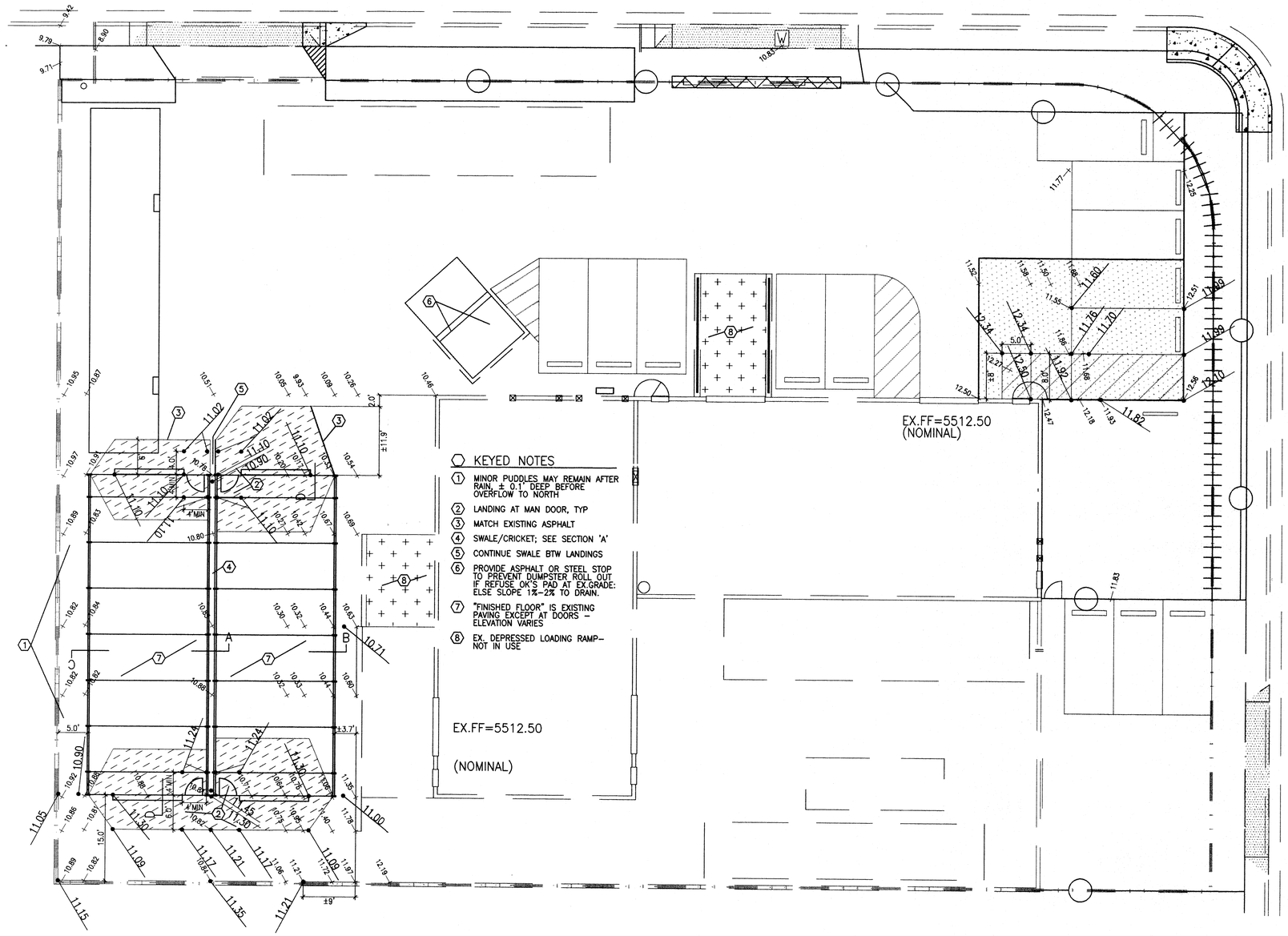
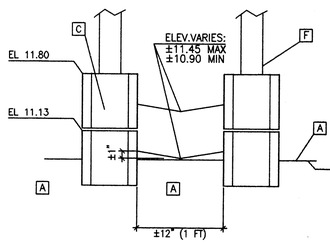
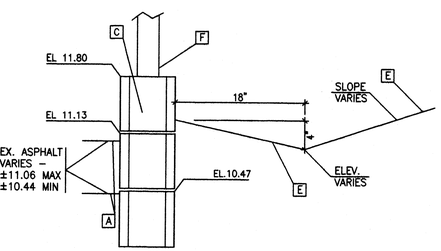
SHEET D1 OF 2

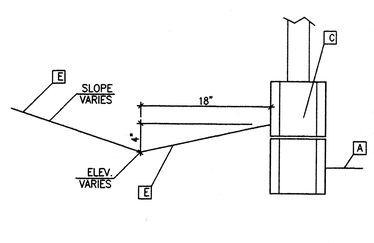




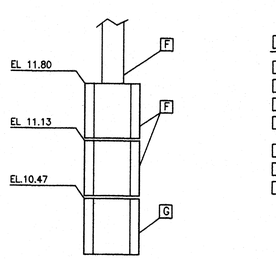
SECTION A–A
WALL BTW QHs



SECTION B–B
EAST WALL EAST QH



SECTION C–C
WEST WALL WEST QH



SECTION D–D
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	NEW CHAIN LINK FENCE		EXIST. CHAIN LINK FENCE
	PROPERTY LINE		

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D2 OF 2