

CITY OF ALBUQUERQUE



August 20, 2004

Mr. James D. Hughes, PE
MARK GOODWIN & ASSOCIATES
P.O. Box 90606
Albuquerque, NM 87119

RE: PARK HILL SUBDIVISION, UNITS 2 & 3 (A-11/D006)
Engineers Certification for Release of Financial Guaranty
Engineers Stamp dated 06/12/2003
Engineers Certification dated 08/20/2004

Dear Doug:

P.O. Box 1293
Albuquerque
New Mexico 87103
www.cabq.gov

Based upon the information provided in your Engineer's Certification Submittal dated 08/20/2004, the above referenced plan is adequate to satisfy the Grading and Drainage Certification for Release of Financial Guaranty.

If you have any questions, you can contact me at 924-3982

Sincerely,

Arlene V. Portillo

Arlene V. Portillo
Plan Checker, Planning Dept.- Hydrology
Development and Building Services
BLS

C: Marilyn Maldonado, COA# 681882

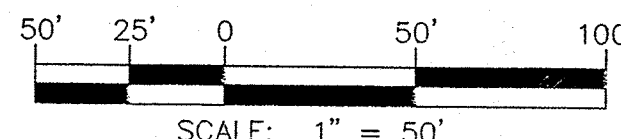
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The record information presented hereon is not necessarily complete and intended only to verify substantial compliance of the grading and drainage aspects of this project. Those relying on this record document are advised to obtain independent verification of its accuracy before using it for any other purpose.

Mark Goodwin NMPE 8948

3/11/02

MARK GOODWIN
NEW MEXICO



- # LEGEND
- | | |
|---|---------------------------------|
| — 5115 | EXISTING CONTOUR (MAJOR) |
| - - - 5115 | EXISTING CONTOUR (MINOR) |
| • 50.00 | EXISTING SPOT ELEVATION |
| • 14.50 | NEW SPOT ELEVATION |
| ===== | NEW MOUNTABLE CURB AND GUTTER |
| ===== | NEW STANDARD CURB AND GUTTER |
| FP = | FINISHED PAD ELEVATION |
| MANE 100 200 300 400 500 600 700 800 900 | DRAINAGE BASIN BOUNDARY |
| ===== | PROPERTY LINE |
| - - - - - | PROPOSED SWALE |
|  | EXISTING SANITARY SEWER MANHOLE |
| 48" RCP | PROPOSED STORM SEWER |
| NEW 18" RCP | NEW RETAINING WALL |

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
HYDROLOGY SECTION
AUG 20 2004
ENGINEERS CERTIFICATION
PARK HILL SUBDIVISION UNITS 2 & 3
GRADING & DRAINAGE PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	DATE	MO./DAY/YR.	MO./DAY/YR.
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		PDA		

[illegible][illegible][illegible]

		L.A.	
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[illegible]

STATION "2-411" IS LOCATED 9.25 MI. NW OF DOWNTOWN ALB-
QUERQUE, W OF THE INTERSECTION OF GOLF COURSE RD &
WESTSIDE BLVD, NW, TO REACH STATION FROM INTERSECTION OF
-40 & COORS RD. NW. GO N. ON COORS 3.2 MI. TO IRVING BLVD.
TURN W. AND GO 1.4 MI. TO GOLF COURSE RD. TURN N. AND GO
3.3 MI. TO THE COUNTY LINE. TURN W. JUST INSIDE THE COUNTY
LINE ON A DIRT RD. TRAVEL 1.1 MI. TO STATION ON THE RIGHT. STATION
IS 3.1/4" ALUM. CAP FASTENED TO PIPE 0.15' ABOVE GROUND & IS

[illegible]

ENGINEER'S SEAL

2052-2

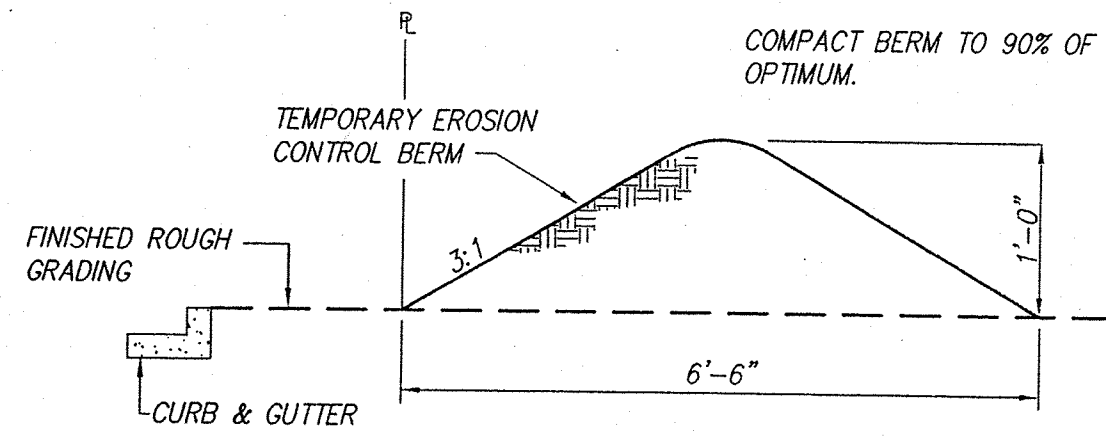
James D. Dwyer

REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW YORK
1987A

[illegible]

R

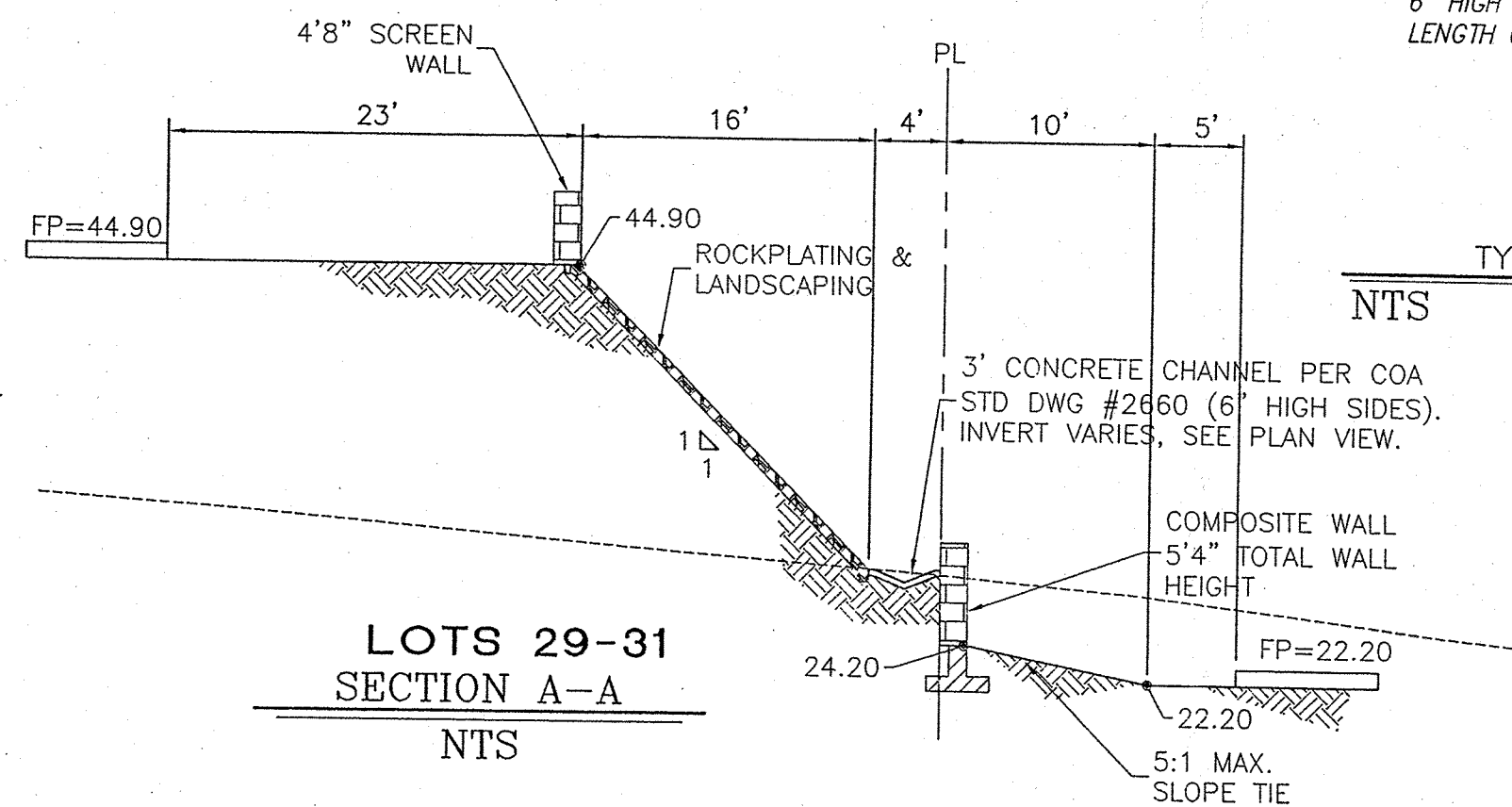
AUG 20 2004



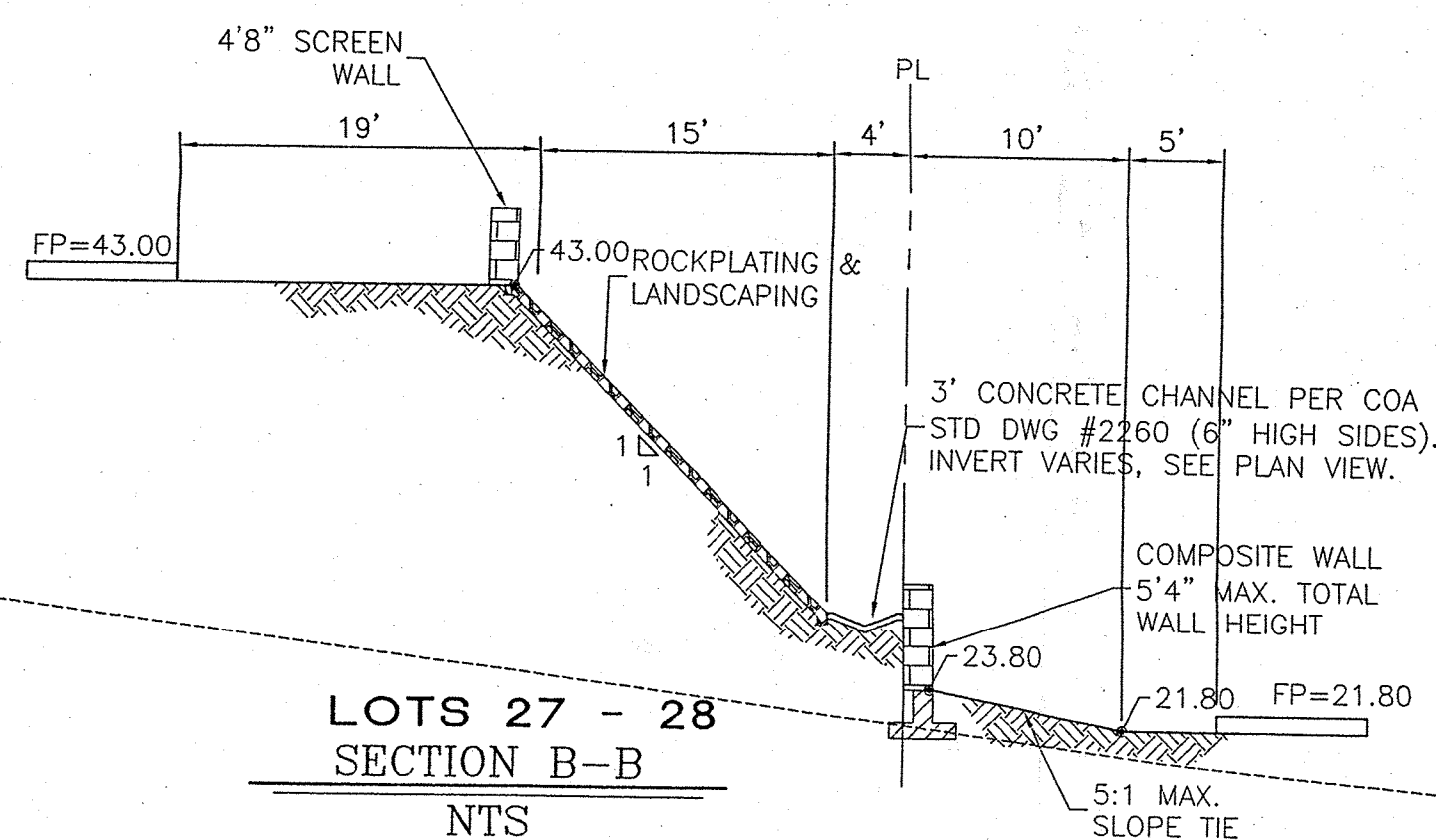
EROSION CONTROL BERM DETAIL

EROSION CONTROL NOTES

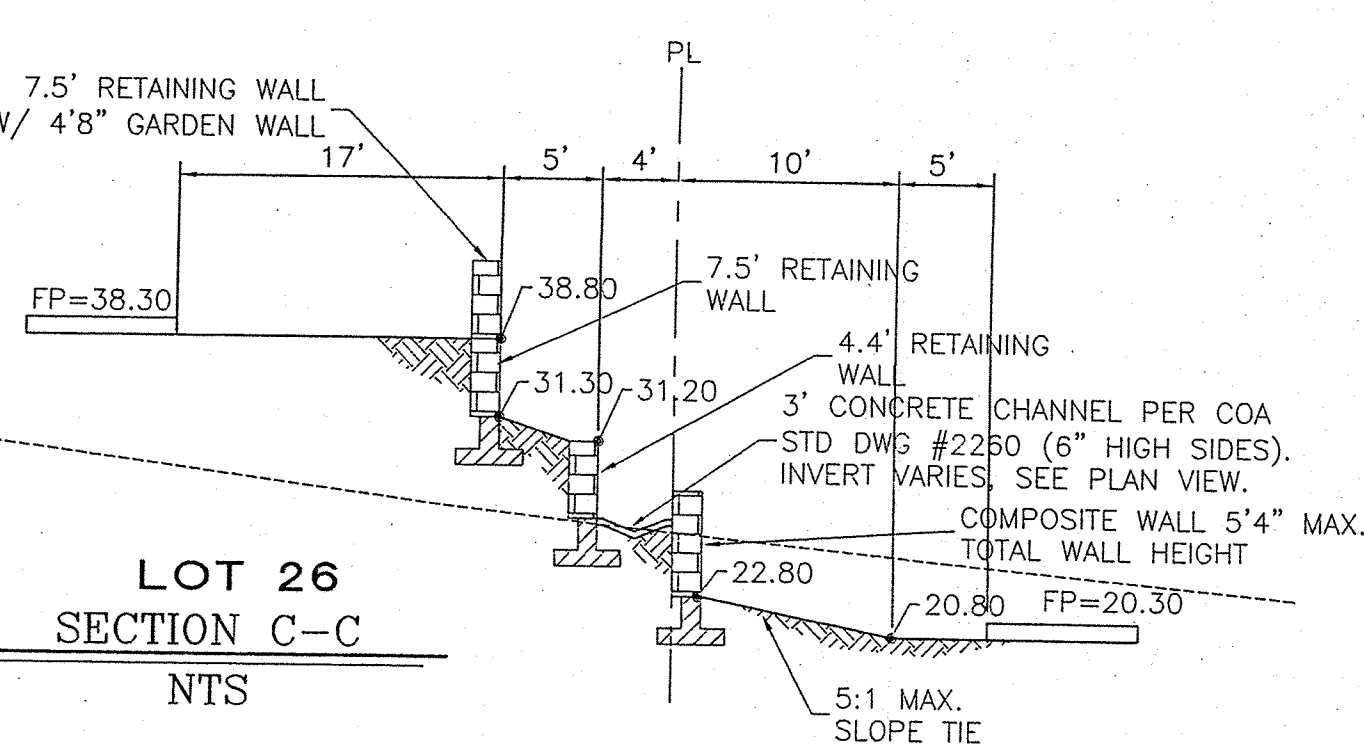
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL SEDIMENT OUT OF EXISTING RIGHT-OF-WAY.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING UP ANY SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. EROSION CONTROL BERMS ARE REQUIRED AROUND THE ENTIRE SITE.
5. ALL EROSION CONTROL BERMS MUST BE IN PLACE AND ENGINEER CERTIFIED PRIOR TO BUILDING PERMIT RELEASE.



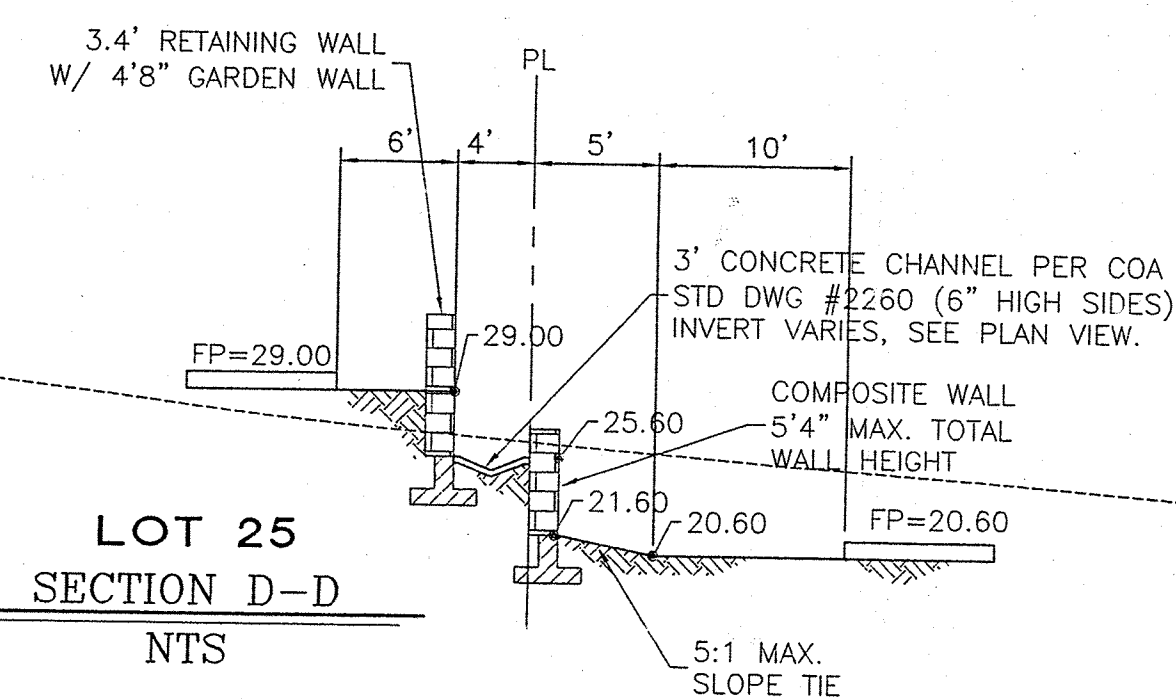
LOTS 29-31
SECTION A-A



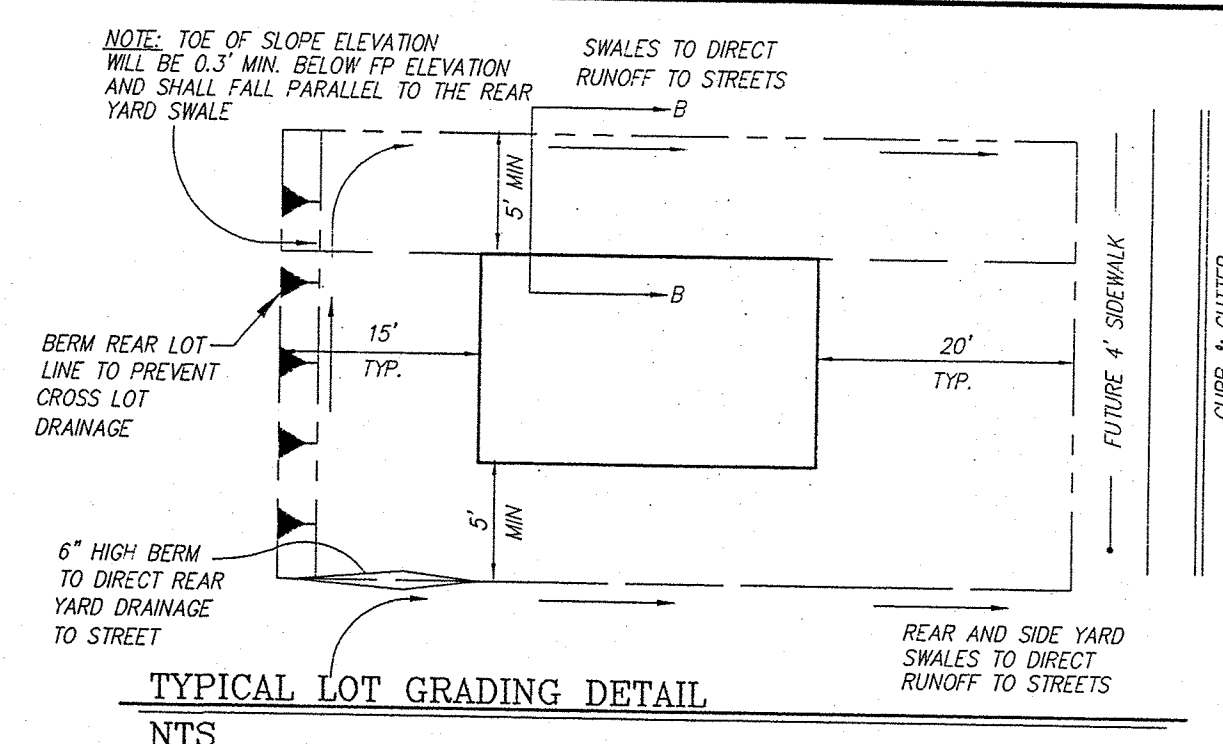
LOTS 27-28
SECTION B-B



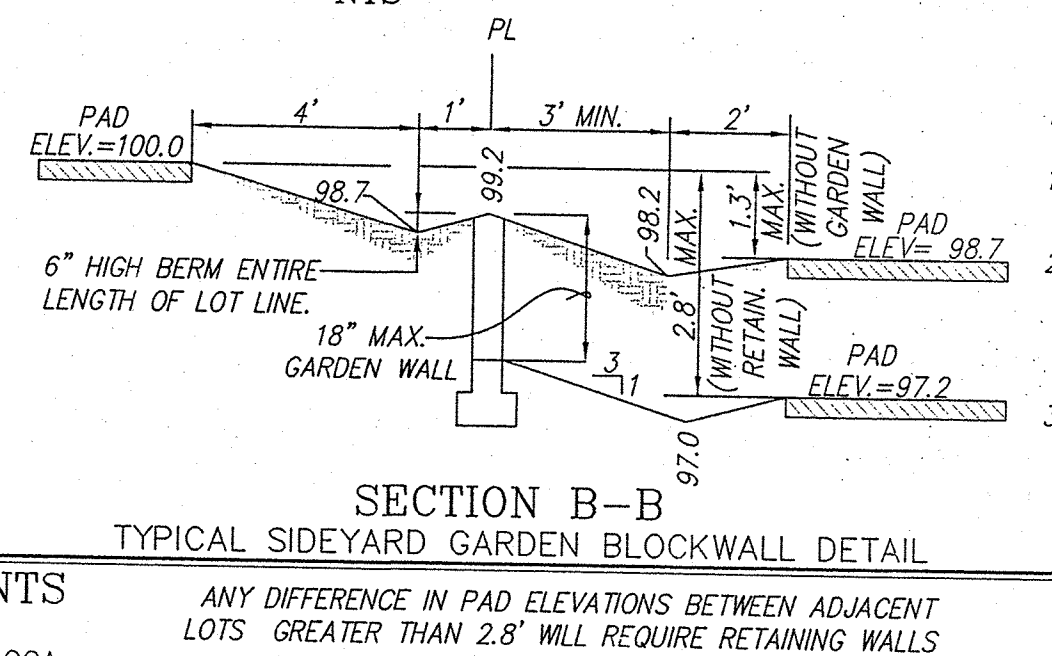
LOT 26
SECTION C-C



LOT 25
SECTION D-D

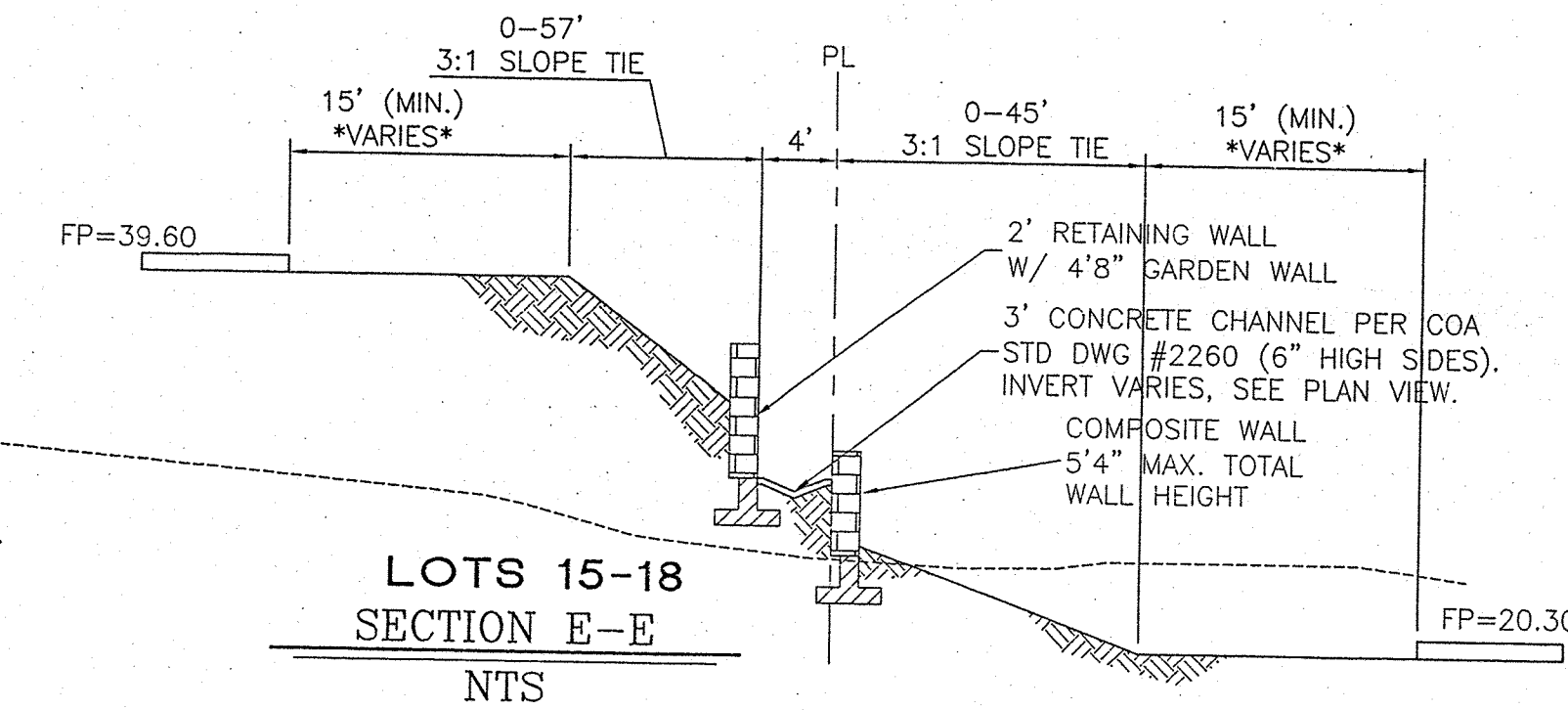


TYPICAL LOT GRADING DETAIL

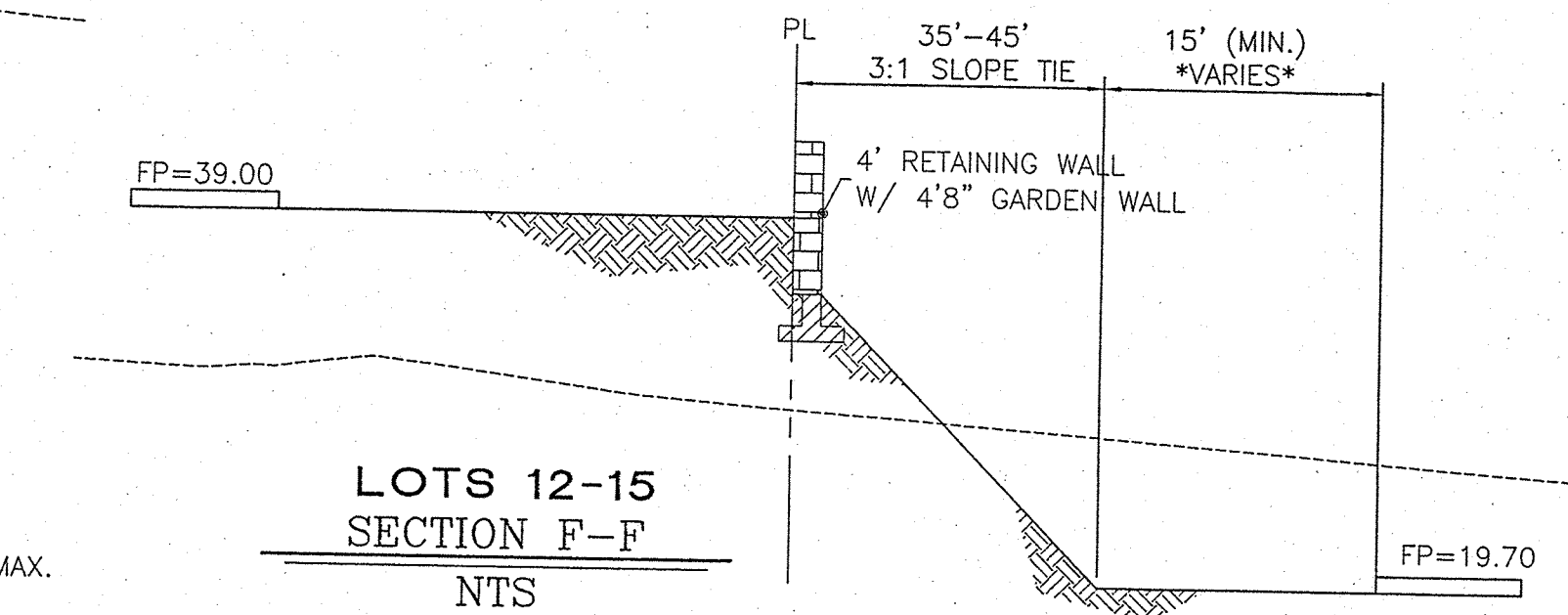


SECTION B-B
TYPICAL SIDEYARD GARDEN BLOCKWALL DETAIL

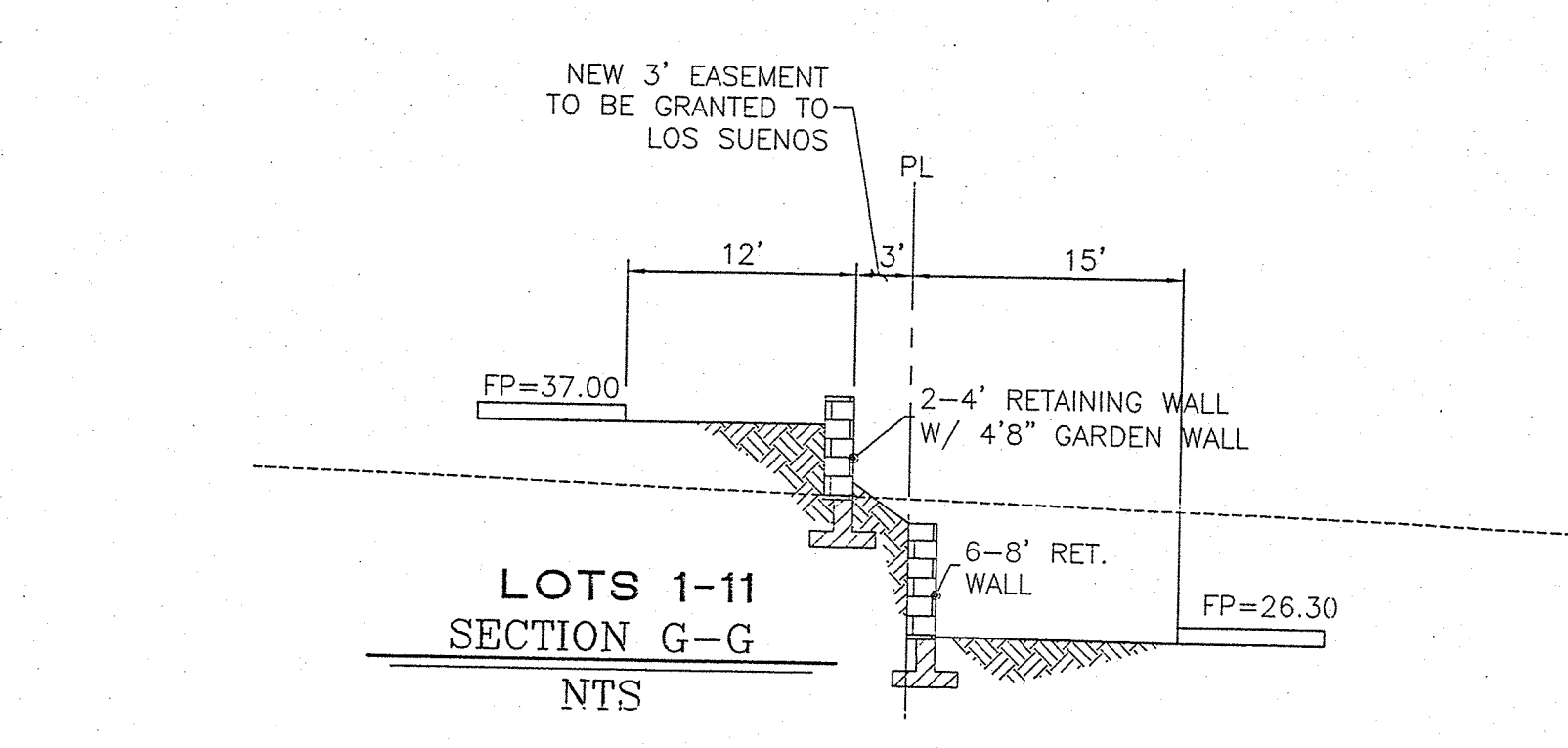
- NOTES:
1. A BLOCK WALL WILL BE CONSTRUCTED ALONG THE ENTIRE PERIMETER BOUNDARY. (PART BY DEVELOPER, PART BY BUILDER.)
 2. WHERE THE DIFFERENCE IN ADJACENT PAD ELEVATIONS IS GREATER THAN 1.5' AND LESS THAN 2.7' A GARDEN WALL SHALL BE CONSTRUCTED TO ACCOMMODATE PROPER SIDEYARD LOT DRAINAGE AS SHOWN ON THE SIDEYARD LOT DETAIL.
 3. WHERE THE DIFFERENCE IN ADJACENT PAD ELEVATIONS IS GREATER THAN 2.7' A RETAINING WALL SHALL BE CONSTRUCTED TO ACCOMMODATE PROPER SIDEYARD LOT DRAINAGE AS SHOWN ON THE SIDEYARD LOT DETAIL.



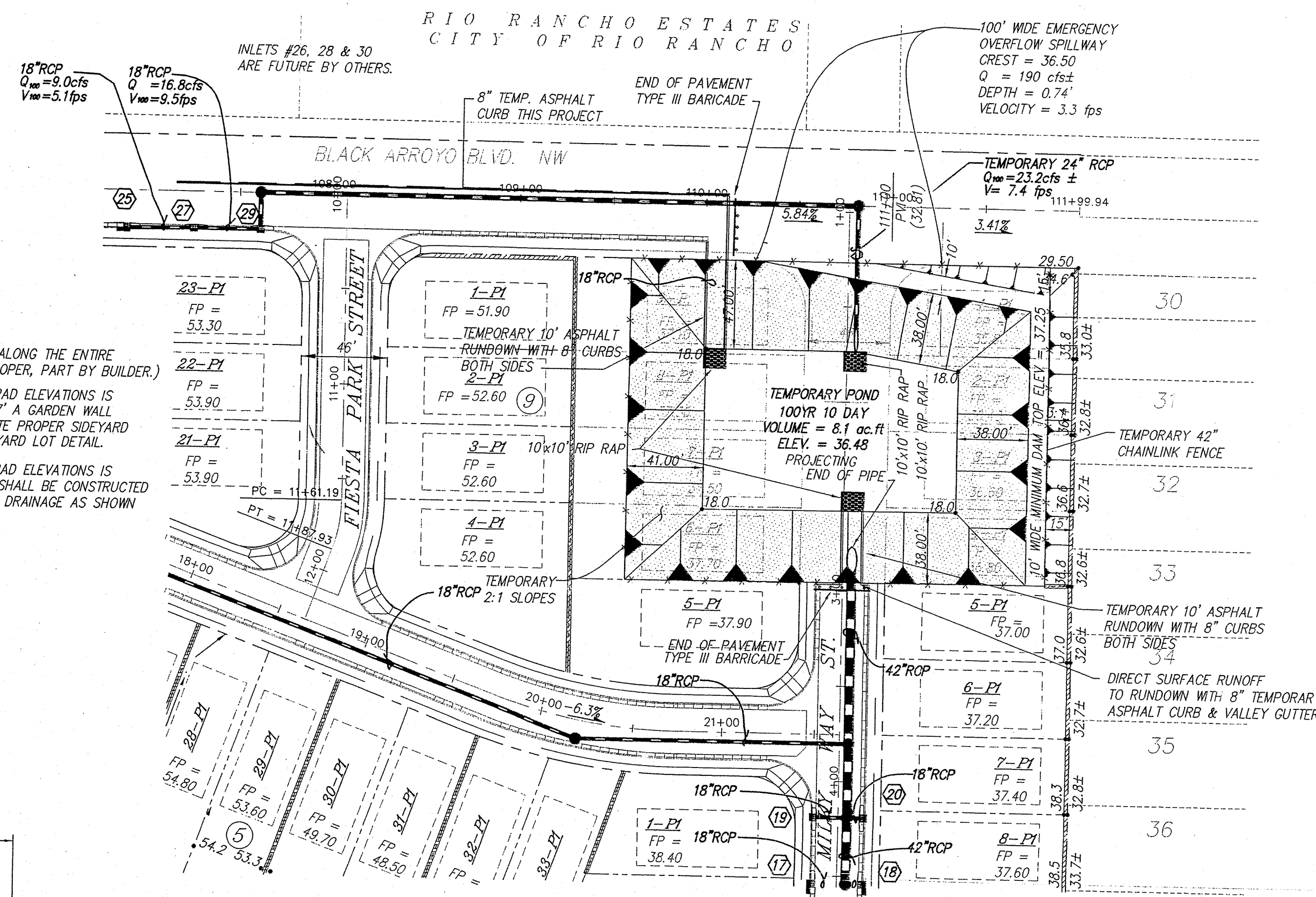
LOTS 15-18
SECTION E-E



LOTS 12-15
SECTION F-F



LOTS 1-11
SECTION G-G



TEMPORARY POND

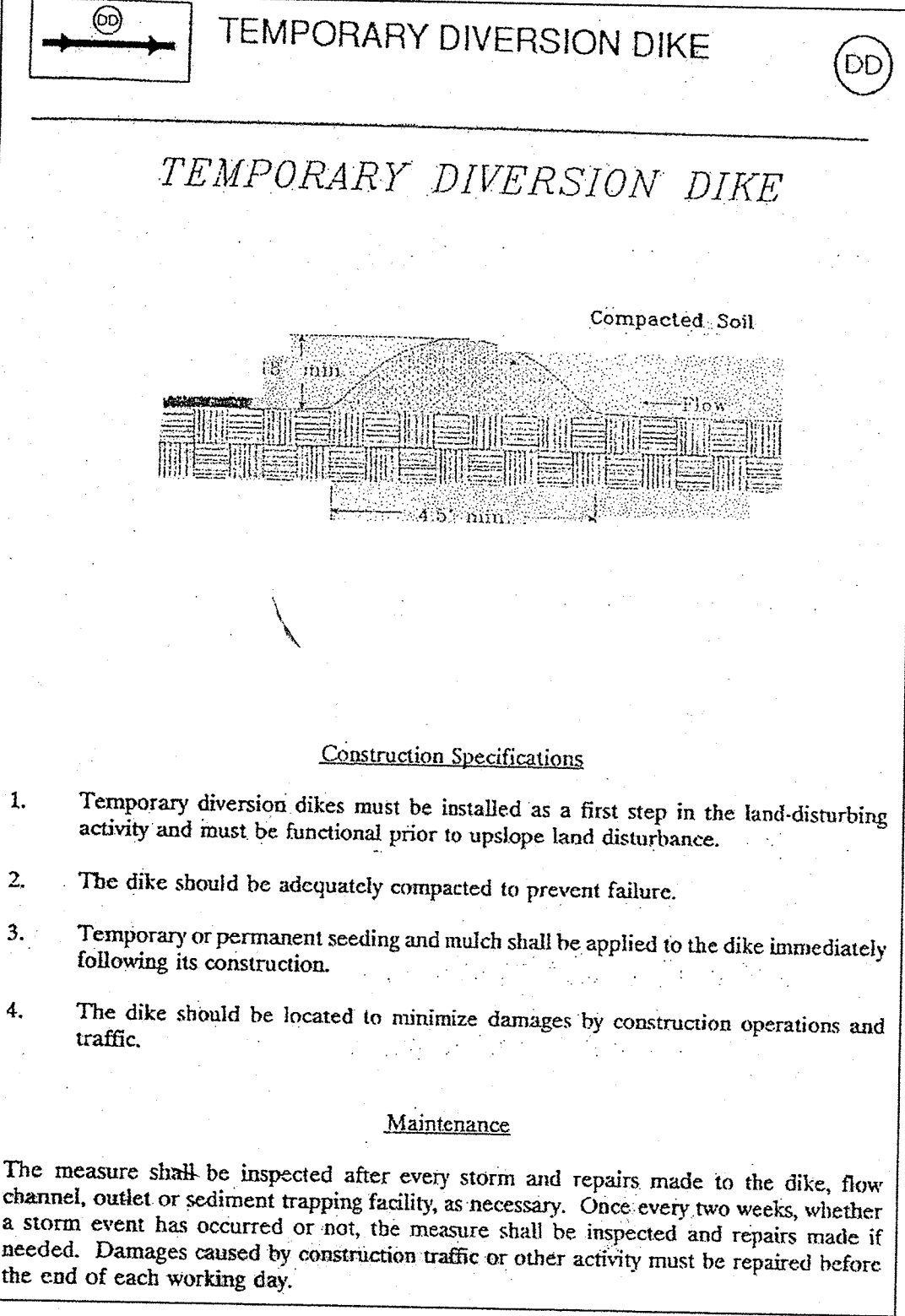
SCALE: 1" = 50'

DRAINAGE CERTIFICATION w/ VERIFICATION BY ENGINEER OF RECORD
8/05/04
DRAINAGE CERTIFICATION - UNIT 2-13

Mark Goodwin, NMPE 8948, of the firm Mark Goodwin & Associates, 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 2/25/02. The record information edited onto the original design document has been obtained by me or under my direct supervision and is true and correct to the best of my knowledge and belief. This certification is submitted in support of a direct request for Release of Financial Guaranty.

The record information presented herein is not necessarily complete and intended only to verify substantial compliance of the grading and drainage aspects of this project. Those relying on this record document are advised to obtain independent verification of its accuracy before using it for any other purpose.

Mark Goodwin 8/1/04
Mark Goodwin NMPE 8948



TEMPORARY DIVERSION DIKE

TEMPORARY DIVERSION DIKE

- Construction Specifications
1. Temporary diversion dikes must be installed as a first step in the land-disturbing activity and must be functional prior to upslope land disturbance.
 2. The dike should be adequately compacted to prevent failure.
 3. Temporary or permanent seeding and mulch shall be applied to the dike immediately following its construction.
 4. The dike should be located to minimize damages by construction operations and traffic.

Maintenance

The measure shall be inspected after every storm and repairs made to the dike, flow channel, outlet or sediment trapping facility, as necessary. Once every two weeks, whether a storm event has occurred or not, the measure shall be inspected and repairs made if needed. Damages caused by construction traffic or other activity must be repaired before the end of each working day.

DIVERSION DIKE DETAIL

NTS

ID #	INLET TYPE	FLOW INTERCEPTED
1	A	8.0 cfs
2	A	4.0 cfs
3	A	4.0 cfs
4	A	7.2 cfs
5	A	7.2 cfs
6	A	5.2 cfs
7	A	5.2 cfs
8	A	7.2 cfs
9	A	7.2 cfs
10	A	5.7 cfs
11	A	5.7 cfs
12	A	5.7 cfs
13	A	5.7 cfs
14	A	7.1 cfs
15	A	7.1 cfs
16	A	5.5 cfs
17	A	5.5 cfs
18	A	5.5 cfs
19	A	5.8 cfs
20	A	5.8 cfs
21	A	5.8 cfs
22	A	7.8 cfs
23	A	6.8 cfs
24	A	6.2 cfs
25	A	6.2 cfs
26	A	7.1 cfs
27	A	5.4 cfs

NOTES

100' WIDE EMERGENCY OVERFLOW SPILLWAY
CREST = 36.50
Q = 190 cfs
DEPTH = 0.74'
VELOCITY = 3.3 fps

TEMPORARY 24" RCP
Q = 23.2 cfs ±
V = 7.4 fps

TEMPORARY 10" ASPHALT RUNDOWN WITH 8" CURBS BOTH SIDES
FP = 52.60

TEMPORARY 10" ASPHALT RUNDOWN WITH 8" CURBS BOTH SIDES
FP = 52.60

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FP = 52.60

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

ENGINEER'S CERTIFICATION
PARK HILL SUBDIVISION UNITS 2-13
GRADING & DRAINAGE PLAN

DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL

DESIGNED BY JDN DATE 05/01
DRAWN BY NMM DATE 05/01
CHECKED BY DMG DATE 05/01

CITY PROJECT NO. ZONE MAP NO. A-11 SHEET 3 OF 3

LAST DESIGN UPDATE AUG 2 2004

HYDROLOGY SECTION