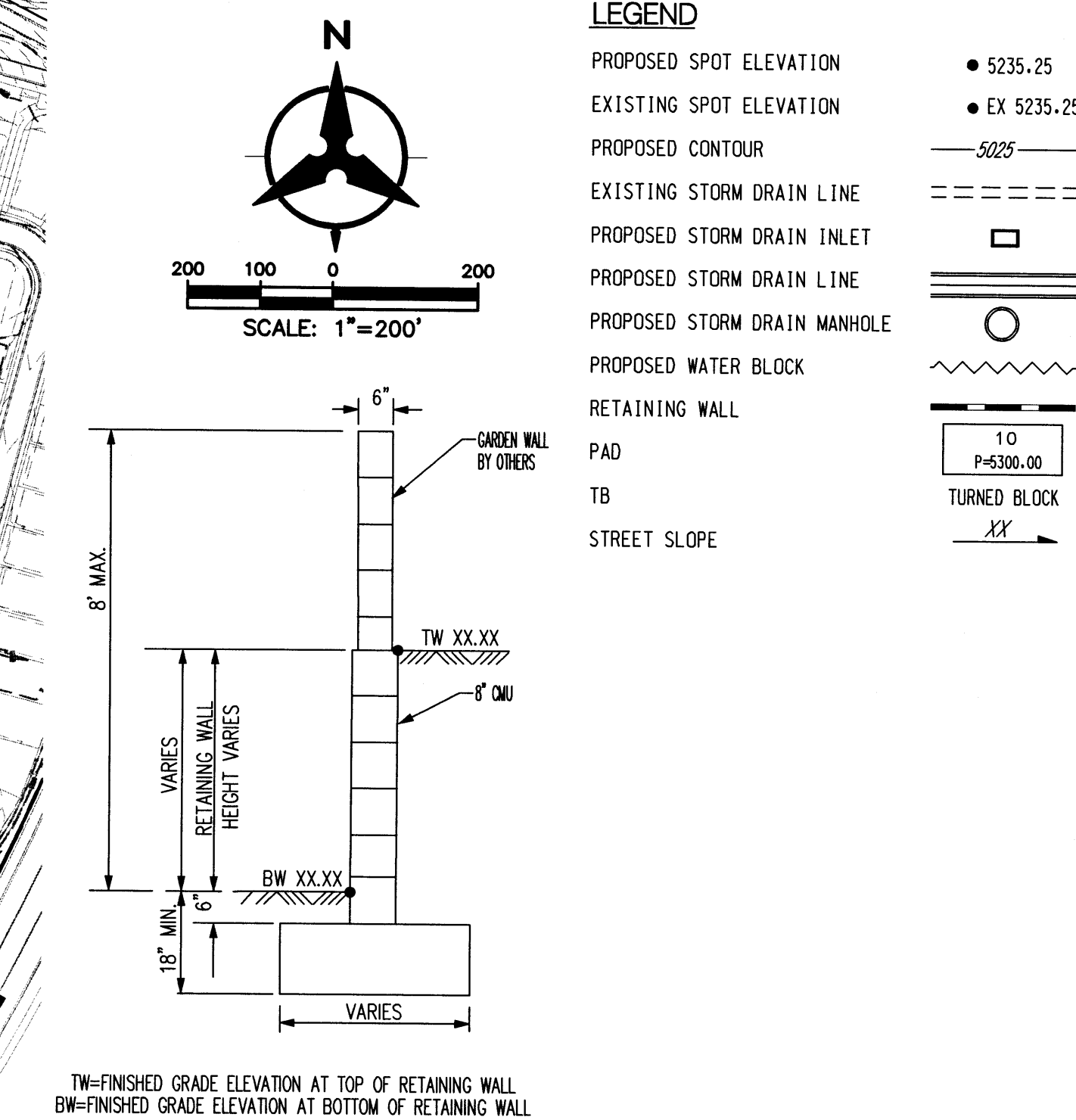
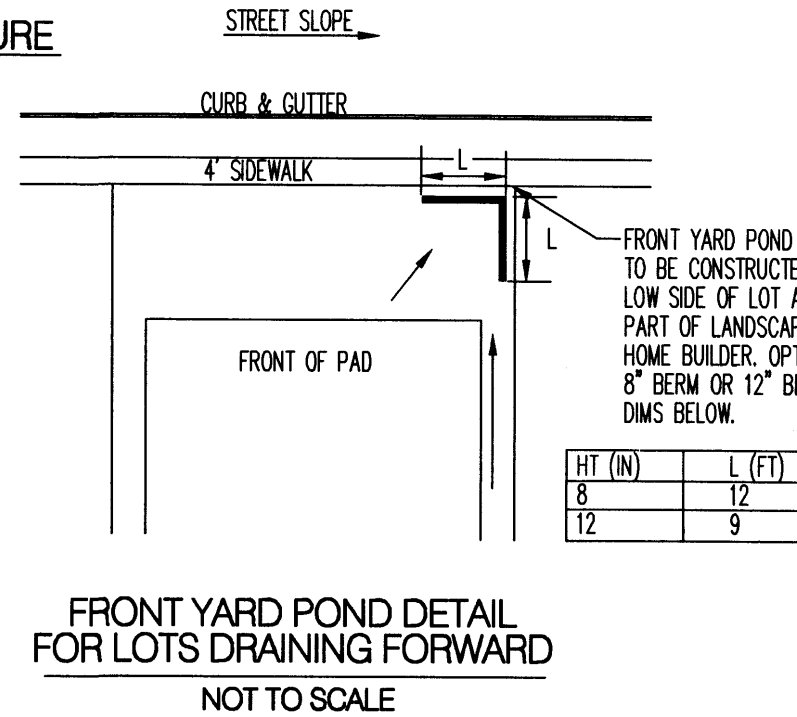




(RETAINING HEIGHT IS TAKEN TO BE DIFFERENCE IN FINISHED GRADES ON LEFT AND RIGHT SIDE OF WALL. HEIGHT IS IN ACCORDANCE WITH CITY COMPREHENSIVE ZONING CODE, SECTION 14-16-3-19, GENERAL HEIGHT AND DESIGN REGULATIONS FOR WALLS, FENCES, AND RETAINING WALLS.



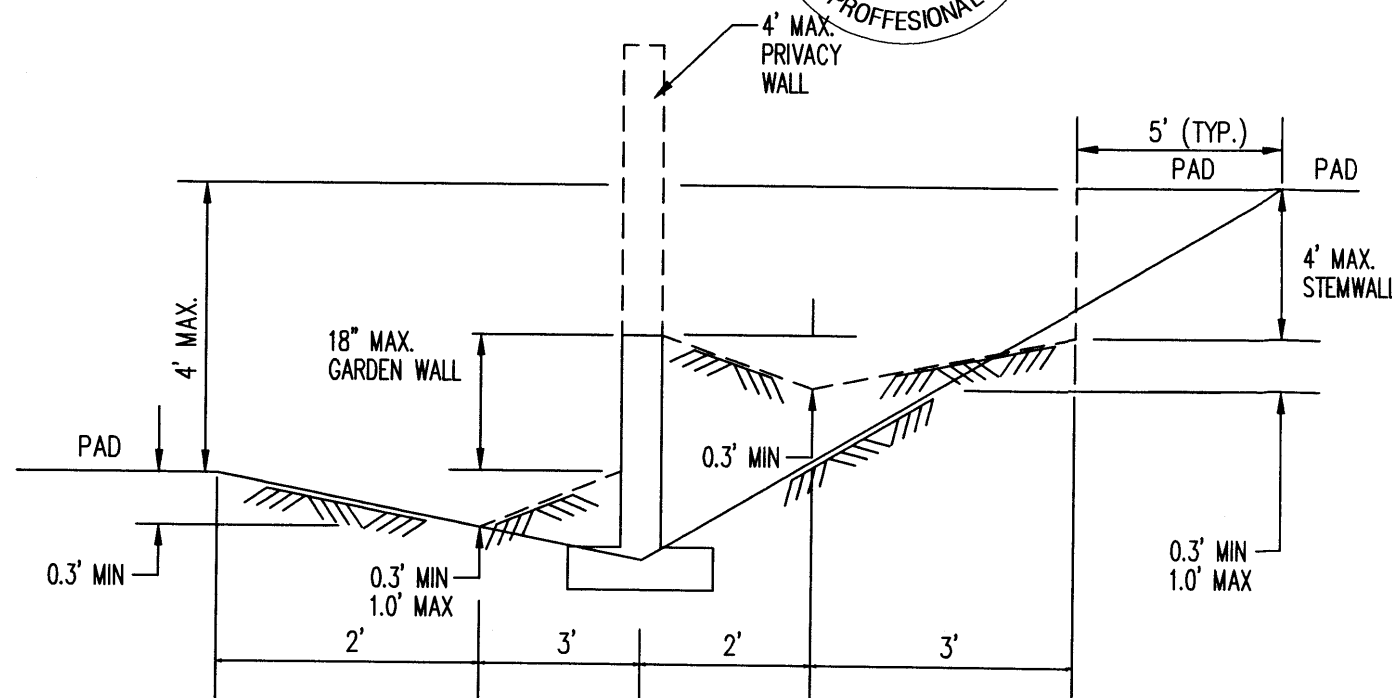
I, YOLANDA PADILLA MOYER, MN# 16035, OF THE FIRM BOHANNAN HUSTON, HEREBY CERTIFY THAT Partial Lots 19-23, 26, 27, 46, 47 and 50-ULTE PLOT AT MIREHAVE PHASE 2A, HAVE BEEN GRADDED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED GRADING AND DRAINAGE RECORD INFORMATION. THE RECORD INFORMATION EDITED onto the ORIGINAL DESIGN DOCUMENT HAS BEEN PROVIDED BY BRIAN J. MARTINEZ, MN# 8374, OF CARTESIAN SURVEYS. I, FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE 07/06/16 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

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

YOLANDA PADILLA MOYER, P.E. (S) 16035

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING 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.

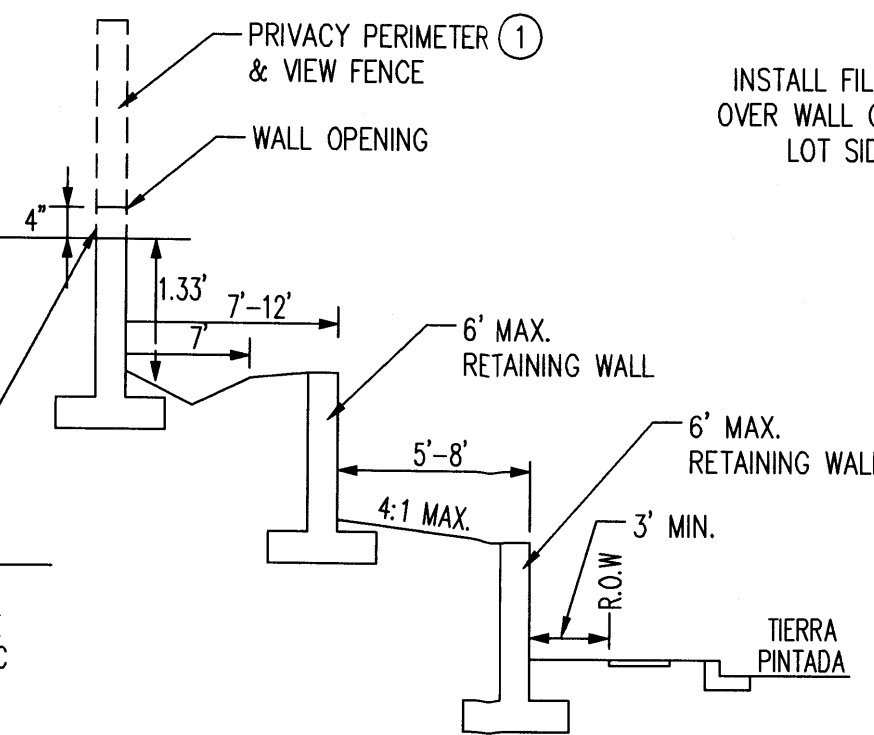
YOLANDA PADILLA MOYER 07/07/16  
YOLANDA PADILLA MOYER, NMPE 16035 DATE



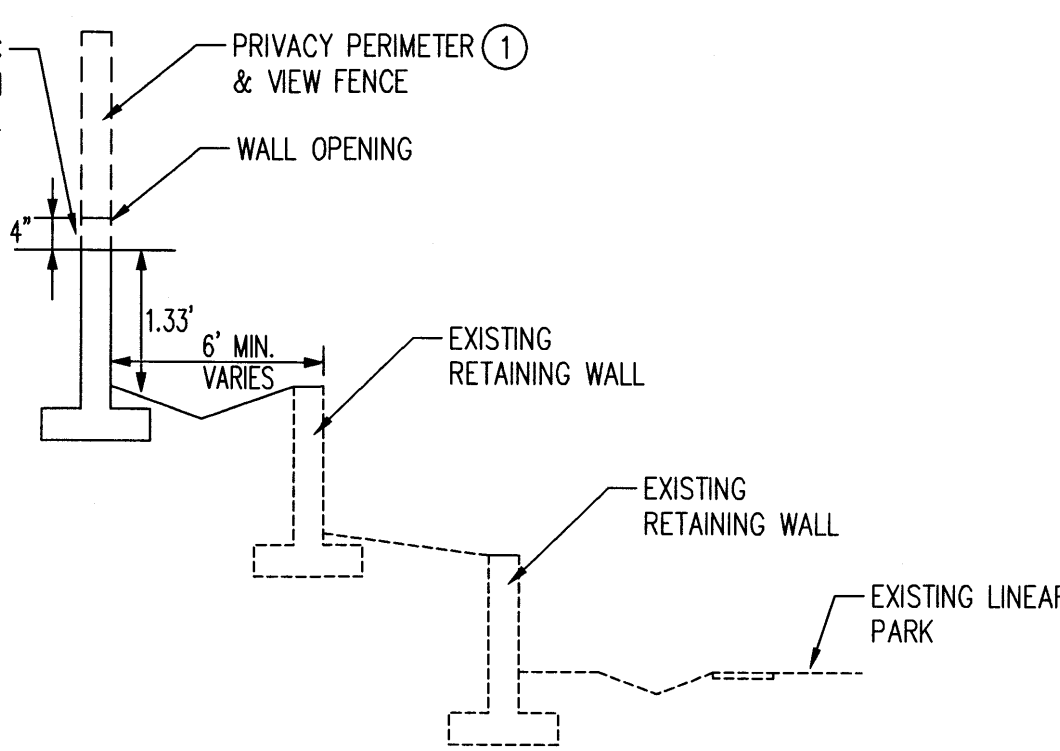
TYPICAL SIDE LOT LINE SECTION  
NOT TO SCALE

NOTE: DASHED LINES IN TYP. SIDE LOT LINE SECTIONS REPRESENT THE FINAL CONDITION AFTER THE GARDEN, STEM, AND PRIVACY WALLS HAVE BEEN CONSTRUCTED. THE INTERIM CONDITION, WHICH IS TO BE CONSTRUCTED BY THE GRADING CONTRACTOR AND CERTIFIED BY THE ENGINEER, IS REPRESENTED BY THE SOLID LINES. RETAINING WALLS WILL BE CONSTRUCTED PRIOR TO GRADING CERTIFICATION.

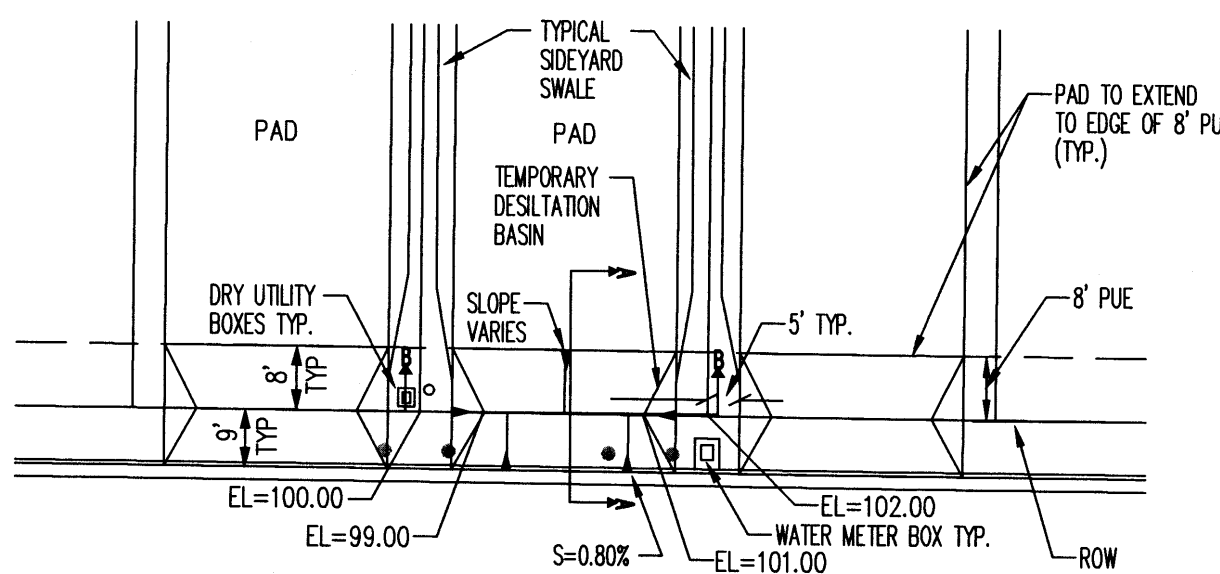
1. PRIVACY WALL HEIGHT WILL BE 4'-5" IF PRIVATE SIDE GRADE IS HIGHER (4' MAX) THAN ADJACENT PUBLIC SIDE GRADE, FOR A TOTAL OF 8' MAX WALL FROM THE PUBLIC SIDE. PRIVACY WALL WILL BE 6' MAX. IF PRIVATE SIDE GRADE IS LOWER THAN ADJACENT PUBLIC GRADE.



TYPICAL CROSS SECTION A-A  
NOT TO SCALE

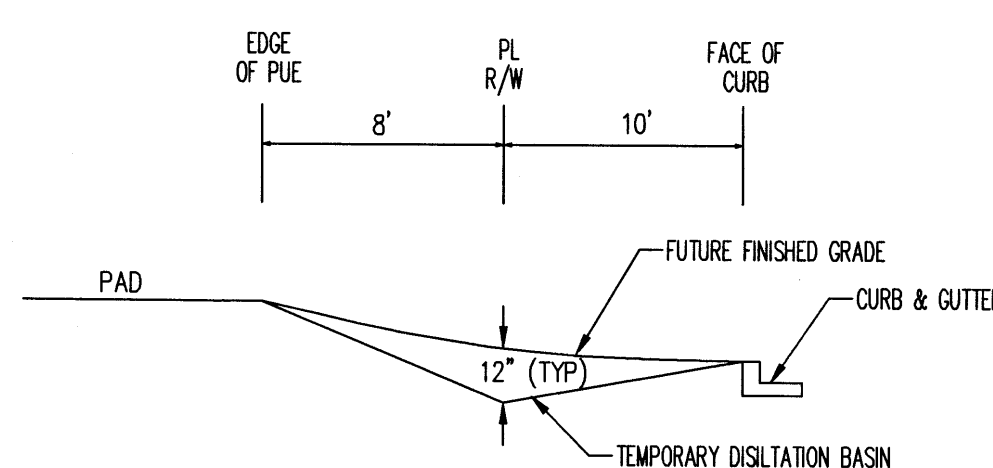


TYPICAL CROSS SECTION B-B  
NOT TO SCALE

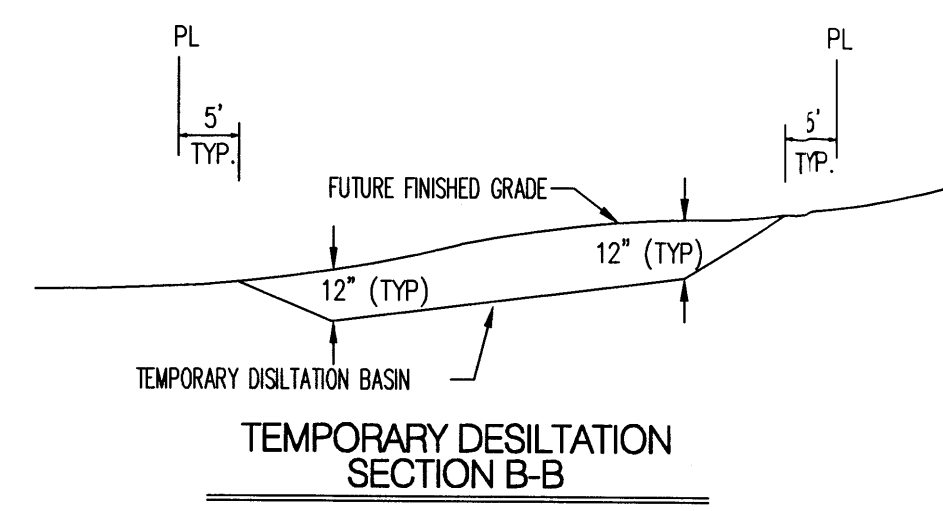


TEMPORARY DESILTATION BASIN  
NOT TO SCALE

\*\* BOTTOM OF BASIN IS 1' BELOW PROPERTY LINE  
ELEVATION SEE GRADING PLANS FOR EXACT  
ELEVATIONS



TEMPORARY DESILTATION  
SECTION A-A  
NOT TO SCALE



TEMPORARY DESILTATION  
SECTION B-B  
NOT TO SCALE

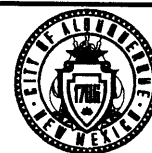
BHI JOB NO. 20160103

PROPOSED SPOT ELEVATION                      ● 5235.25  
EXISTING SPOT ELEVATION                      ● EX 5235.25  
PROPOSED CONTOUR                              — 5025  
EXISTING STORM DRAIN LINE                      == == == ==  
PROPOSED STORM DRAIN INLET                      □  
PROPOSED STORM DRAIN LINE                      == == == ==  
PROPOSED STORM DRAIN MANHOLE                      ○  
PROPOSED WATER BLOCK                              ~~~~~  
RETAINING WALL                                      —————  
PAD                                                      [ 10  
                                                            P=5300.00  
TB                                                      TURNED BLOCK  
STREET SLOPE                                      XX

1. ALL WORK DETAILED ON THESE PLANS AND PERFORMED UNDER THIS CONTRACT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND THE PROJECT GEOTECHNICAL REPORT. WHERE APPLICABLE, CITY OF ALBUQUERQUE PUBLIC WORKS STANDARDS SHALL APPLY.
2. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS, INCLUDING EPA REQUIREMENTS WITH RESPECT TO STORM WATER DISCHARGE.
3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS INCLUDING ALL UNDERGROUND UTILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION OBSERVER OR ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
4. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT LINE LOCATING SERVICE FOR LOCATION OF EXISTING UTILITIES.
5. ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND OTHER UTILITY LINES, CABLES, AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.
6. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.
7. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
8. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC Lanes. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.
9. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (I.E., BARRICADING, TOPSOIL DISTURBANCE, EXCAVATION PERMITS, EPA STORM WATER PERMITS, ETC.).
10. ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ALL PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.
11. THE CONTRACTOR SHALL PREPARE A CONSTRUCTION TRAFFIC CONTROL AND SIGNING PLAN AND OBTAIN APPROVAL OF SUCH PLAN FROM THE CITY OF ALBUQUERQUE, TRAFFIC ENGINEERING DEPARTMENT, PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON OR ADJACENT TO EXISTING STREETS.
12. ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), US DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
13. THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE END AND BEGINNING OF EACH DAY.
14. THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO CONFORM WITH EPA REQUIREMENTS, INCLUDING COMPLIANCE WITH NPDES PHASE 2 REQUIREMENTS.

1. EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.
2. CONTRACTOR MUST OBTAIN AND ABIDE BY A TOPSOIL DISTURBANCE PERMIT FROM THE CITY OF ALBUQUERQUE ENVIRONMENTAL HEALTH DIVISION, PRIOR TO CONSTRUCTION. THE COST FOR REQUIRED CONSTRUCTION STOP AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE, AND FEDERAL DISTRICT CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
3. ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION, AND PAVEMENT INSTALLATION, AS SHOWN ON THIS PLAN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SOILS REPORT PREPARED BY XEIVNAND DATED JULY 22, 2013. ALL OTHER WORK, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS (FIRST PRIORITY), AND/OR THE CITY OF ALBUQUERQUE (COA) STANDARD SPECIFICATIONS FOR PUBLIC WORKS (SECOND PRIORITY).
4. TWO WORKING DAYS PRIOR TO EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE (765-1264) FOR LOCATION OF EXISTING UTILITIES.
5. PRIOR TO GRADING, ALL VEGETATION DEBRIS, AND NEAR SURFACE ORGANICALLY CONTAMINATED SOIL SHALL BE STRIPPED FROM ALL AREAS TO BE GRADED. VEGETATION AND DEBRIS SHALL BE DISPOSED OF OFF-SITE OR STOCK-PILED FOR USE IN PLANTERS AND NON-STRUCTURAL FILLS.
6. EARTH SLOPES SHALL NOT EXCEED 4 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE.
7. IT IS THE INTENT OF THESE PLANS THAT THIS CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE PROPERTY BOUNDARIES EXCEPT AS REQUIRED BY THIS PLAN.
8. THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHT-OF-WAY. THIS SHOULD BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AT THE PROPERTY LINES WETTING THE SOIL TO PROTECT IT FROM WIND EROSION.
9. A DISPOSAL SITE FOR ALL EXCESS EXCAVATION AND UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THEREATO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT, AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
10. PAVING AND ROADWAY GRADES SHALL BE +/- 0.1' FROM PLAN ELEVATIONS. PAD ELEVATION SHALL BE +/- 0.05' FROM BUILDING PLAN ELEVATIONS.
11. ALL SPOT ELEVATIONS ARE TO FLOWLINE UNLESS OTHERWISE NOTED. VALLEY GUTTER ELEVATIONS ARE SHOWN AT FLOWLINE ELEVATION.

**Bohannon**  **Huston**  
www.bhinc.com 800.877.5332



**CITY OF ALBUQUERQUE**  
**DEPARTMENT OF**  
**MUNICIPAL DEVELOPMENT**

PULTE @ MIREHAVEN PHASE 2A  
OVERALL GRADING PLAN

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

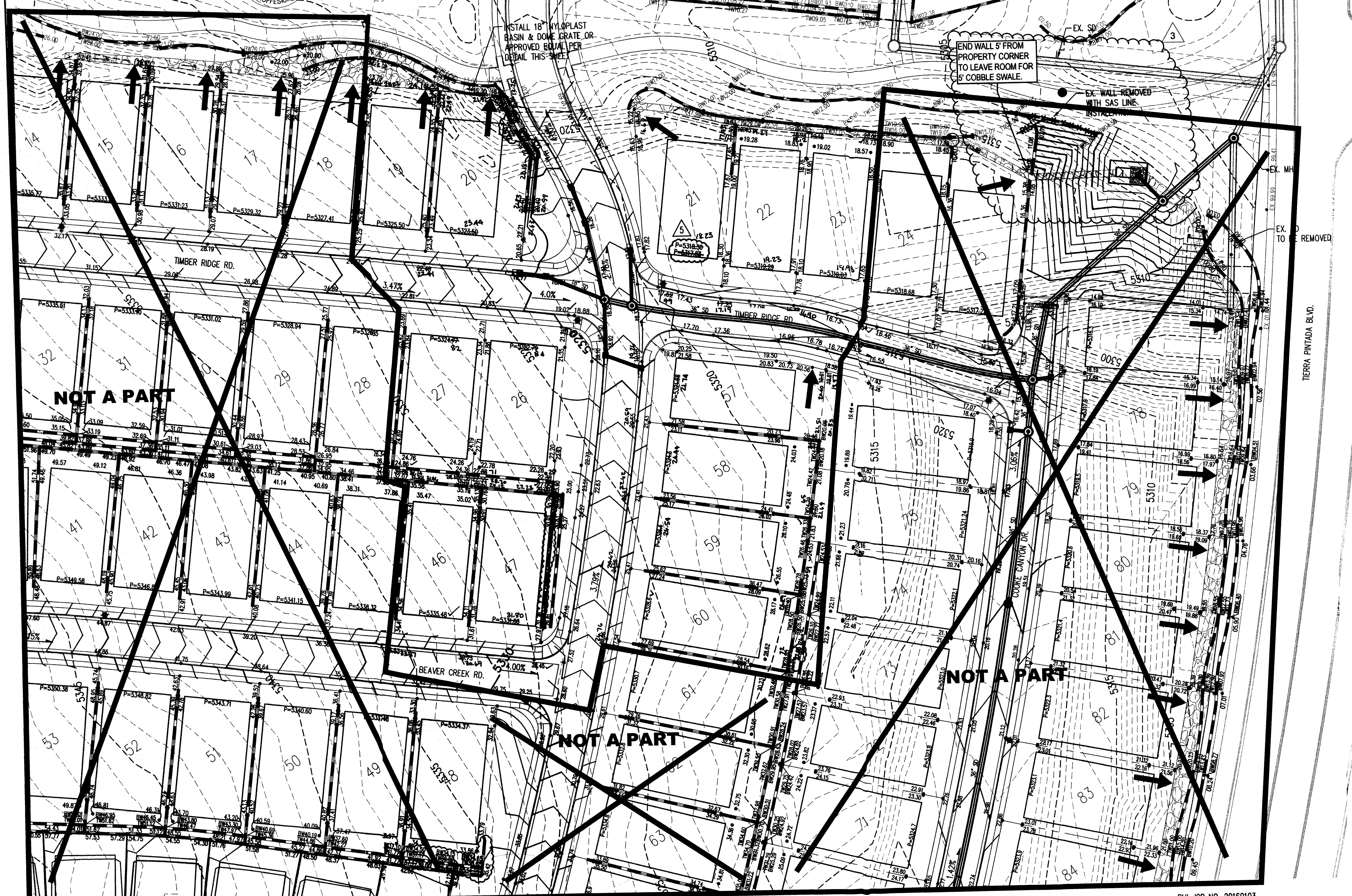
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| MO./DAY/YR. | MO./DAY/YR. |
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RECEIVED  
JUL 27 1965  
LAND DEVELOPMENT SECTION



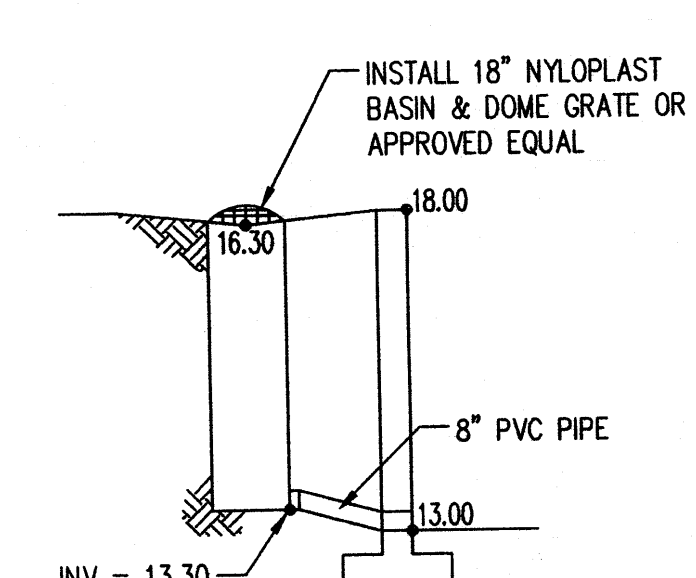
**GRADING AND DRAINAGE CERTIFICATION**  
I, YOLANDA PADILLA MOYER, NMPE 16035, OF THE FIRM BOHANNAN HUSTON, HEREBY CERTIFY LOTS 19-23, 26, 27, 46, 47 and 57-60 PULTE AT MIREHAVEN PHASE 2A, HAVE BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED GRADING AND DRAINAGE PLAN DATED 01-15-16, 01-28-16. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN PROVIDED BY BRIAN J. MARTINEZ, NMPS 18374, OF CARTESIAN SURVEYS. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE 07/06/16 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.  
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Yolanda Padilla Moyer  
YOLANDA PADILLA MOYER, NMPE 16035  
DATE 07/07/16  
NEW MEXICO  
16035  
YOLANDA PADILLA MOYER, NMPE 16035  
REGISTERED PROFESSIONAL ENGINEER

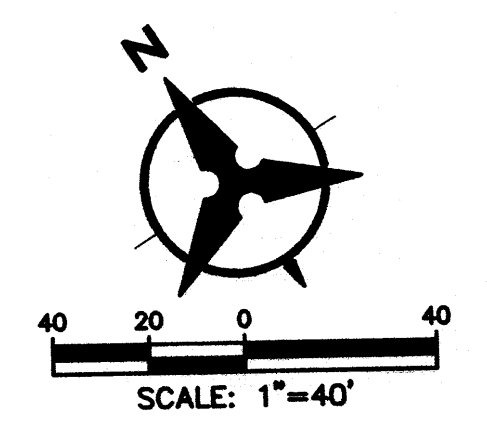


- LEGEND**
- PROPOSED SPOT ELEVATION • 5235.25
  - EXISTING SPOT ELEVATION • EX 5235.25
  - PROPOSED CONTOUR — 5225 —
  - EXISTING STORM DRAIN LINE — — — —
  - PROPOSED STORM DRAIN INLET □
  - PROPOSED STORM DRAIN LINE — — — —
  - PROPOSED STORM DRAIN MANHOLE ○
  - PROPOSED WATER BLOCK — — — —
  - RETAINING WALL — — — —
  - PAD 10 P=5300.00
  - WALL OPENING — — — —
  - STREET SLOPE XX

CONTRACTOR SHALL INSTALL 7" WIDE 1" DEEP SWALE ALONG THE EAST PROPERTY LINE AND 5' SIDE 1" DEEP SWALE ALONG THE NORTH PROPERTY LINE WHERE LOTS DRAIN TO THE BACK OF THE LOT. SWALE SHALL BE 12" OF 95% COMPACTION WITH FILTER FABRIC AND 1" TO 2" FRACTURED COBBLE



**BASIN & DOME GRATE DETAIL**  
NOT TO SCALE

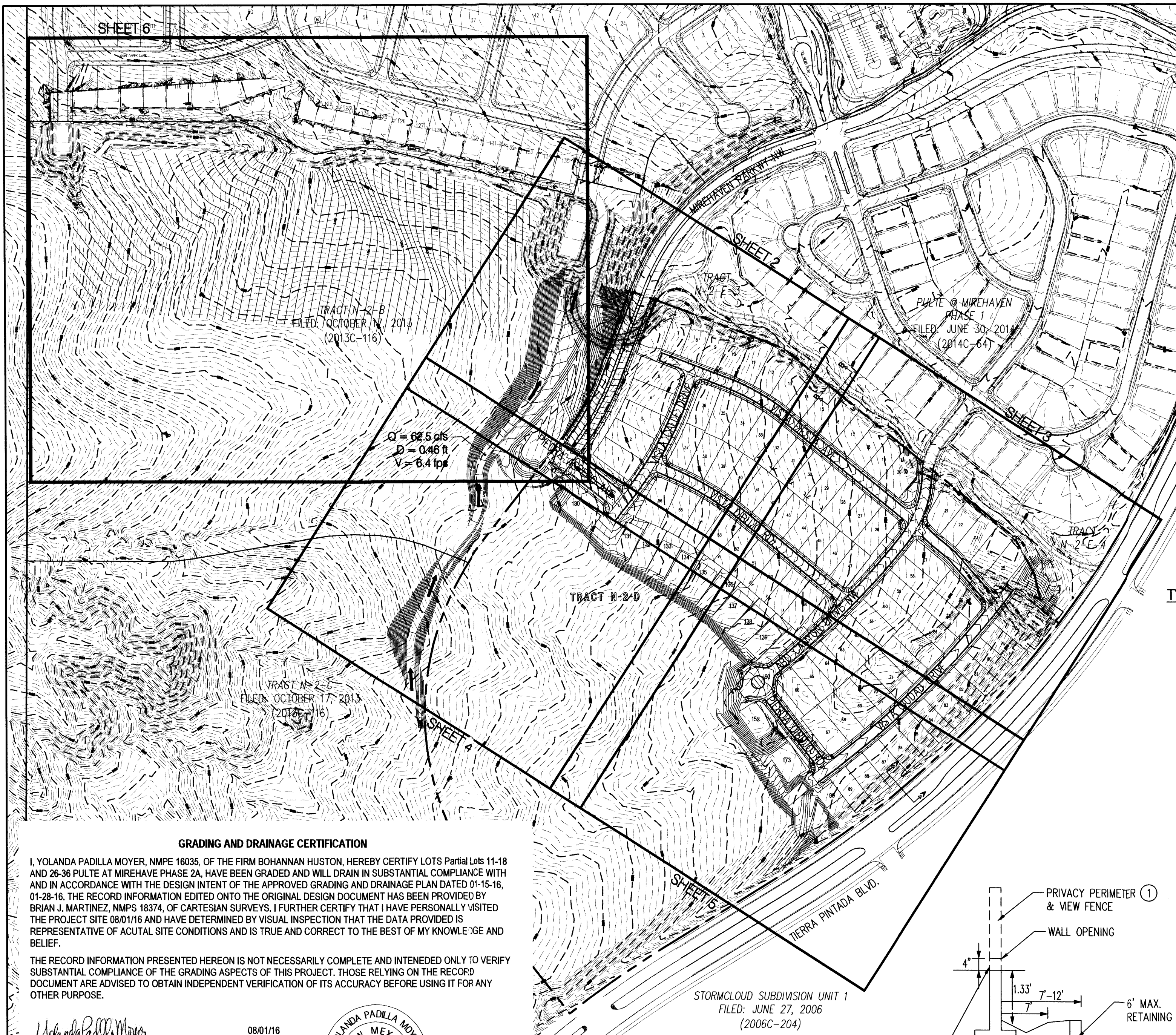


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|                                            |                        |                                                                   |            |
|--------------------------------------------|------------------------|-------------------------------------------------------------------|------------|
|                                            |                        | <b>CITY OF ALBUQUERQUE</b><br>DEPARTMENT OF MUNICIPAL DEVELOPMENT |            |
| PULTE @ MIREHAVEN PHASE 2A<br>GRADING PLAN |                        |                                                                   |            |
| DESIGN REVIEW COMMITTEE                    | CITY ENGINEER APPROVAL | MO, DAY/YR                                                        | MO, DAY/YR |
| LAST DESIGN UPDATE                         |                        |                                                                   |            |
| CITY PROJECT NO.                           | ZONE MAP NO.           | SHEET 3 OF 6                                                      |            |

| AS-BUILT INFORMATION |      | BENCH MARKS                             |            | SURVEY INFORMATION |      | ENGINEER'S SEAL |      | REVISIONS |      |
|----------------------|------|-----------------------------------------|------------|--------------------|------|-----------------|------|-----------|------|
| CONTRACTOR           | DATE | USC&GS BRASS DISC STAMPED "REWARD 1969" | CONTRACTOR | NO.                | BY   | YPM             | YPM  | NO.       | DATE |
| DATE                 | DATE | GEOGRAPHIC POSITION (NAD 83)            | DATE       | DATE               | DATE | DATE            | DATE | DATE      | DATE |
| DATE                 | DATE | N.M. STATE PLANE COORDINATES            | DATE       | DATE               | DATE | DATE            | DATE | DATE      | DATE |
| DATE                 | DATE | (CENTRAL ZONE)                          | DATE       | DATE               | DATE | DATE            | DATE | DATE      | DATE |
| DATE                 | DATE | N=1487364.063 E=1491190.819             | DATE       | DATE               | DATE | DATE            | DATE | DATE      | DATE |
| DATE                 | DATE | GROUND TO GRID = 0.999675005            | DATE       | DATE               | DATE | DATE            | DATE | DATE      | DATE |
| DATE                 | DATE | DELTA ALPHA = -0.01712.26"              | DATE       | DATE               | DATE | DATE            | DATE | DATE      | DATE |
| DATE                 | DATE | NAVD 1988 ELEVATION = 5319.688          | DATE       | DATE               | DATE | DATE            | DATE | DATE      | DATE |





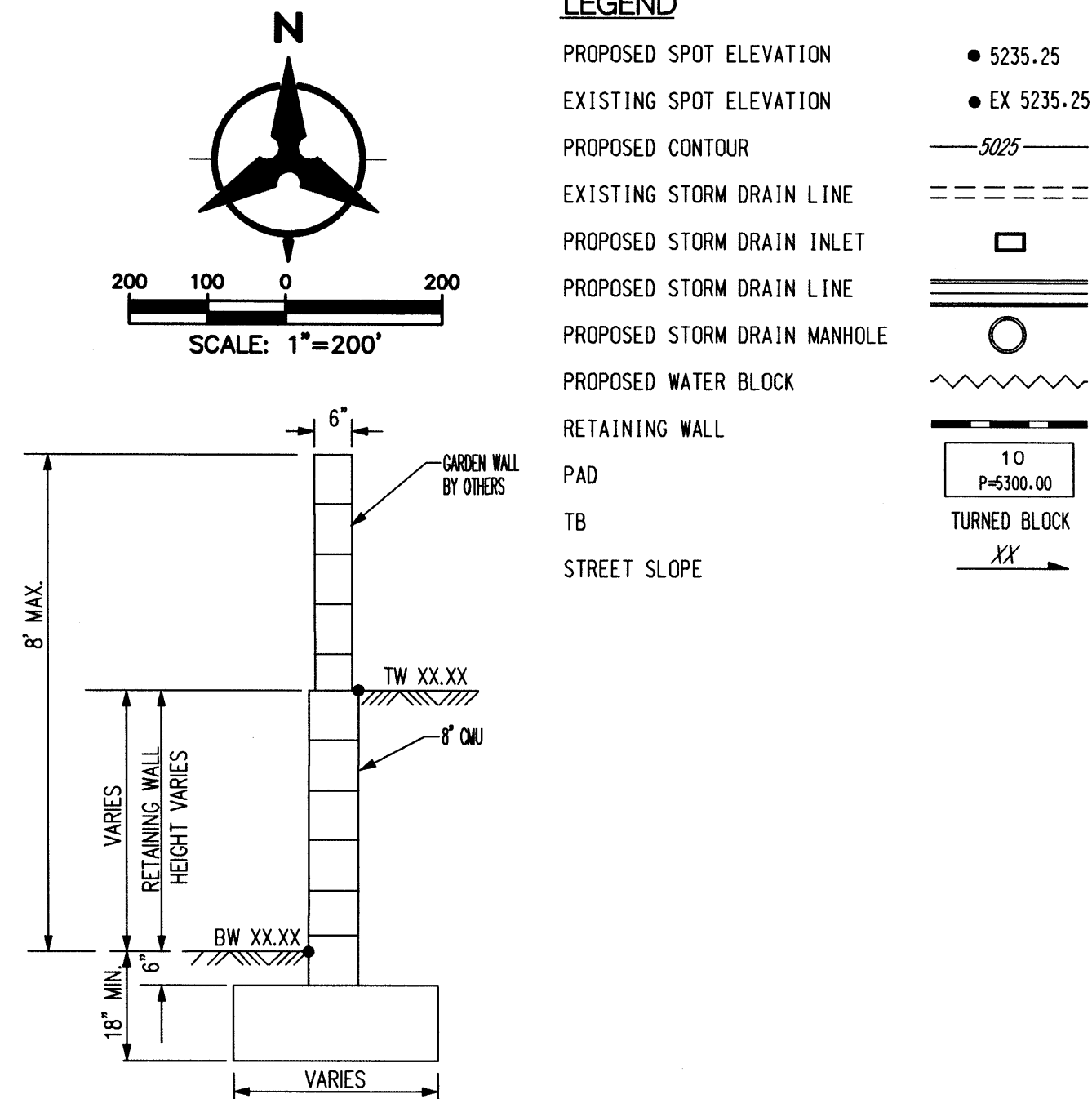
I, YOLANDA PADILLA MEYER, NMPS 18035, OF THE FIRM BOHANNAN HUSTON, HEREBY CERTIFY THAT Lots Partial Lots 11-18 AND 26-36 PULTE AT MIREVAHE PHASE 2A, HAVE BEEN GRADDED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED GRADING AND DRAINAGE PLAN DATED 07-15-16, PROJECT NO. 18-016, THIS INFORMATION EDITED INTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN PROVIDED BY BRIAN J. MARTINEZ, NMPS 18374, OF CARTESIAN SURVEYS. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE 08/01/16 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

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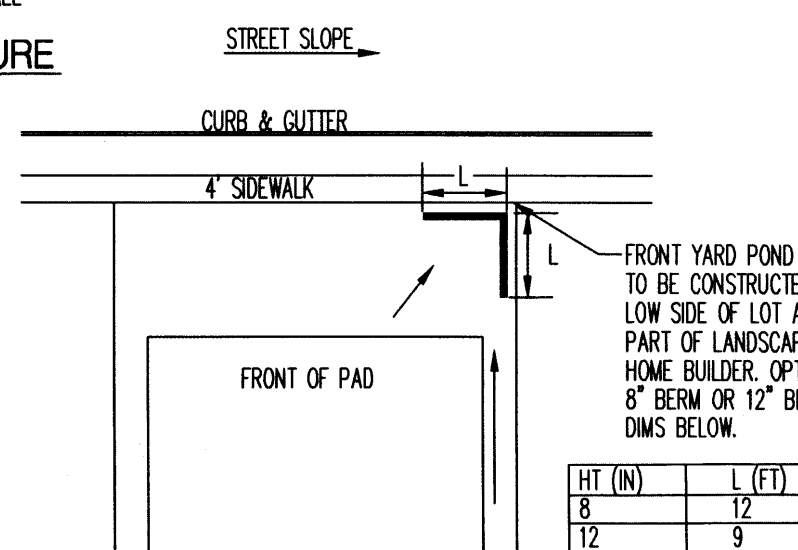
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NOTE: DASHED LINES IN TYP. SIDE LOT LINE SECTIONS REPRESENT THE FINAL CONDITION AFTER THE GARDEN, STEM, AND PRIVACY WALLS HAVE BEEN CONSTRUCTED. THE INTERIM CONDITION, WHICH IS TO BE CONSTRUCTED BY THE GRADING CONTRACTOR AND CERTIFIED BY THE ENGINEER, IS REPRESENTED BY THE SOLID LINES. RETAINING WALLS WILL BE CONSTRUCTED PRIOR TO GRADING CERTIFICATION.



(RETAINING HEIGHT IS TAKEN TO BE DIFFERENCE IN FINISHED GRADES ON LEFT AND RIGHT SIDE OF WALL.)  
HEIGHT IS IN ACCORDANCE WITH CITY COMPREHENSIVE ZONING CODE, SECTION 14-16-3-19, GENERAL HEIGHT AND DESIGN REGULATIONS FOR WALLS, FENCES, AND RETAINING WALLS.



DE  
LIC

PRIVACY PERIMETER & VIEW FENCE ①

WALL OPENING

4"

1.33'

7'-12'

6' MAX. RETAINING WALL

5'-8'

4:1 MAX.

3' MIN.

6' MAX. RETAINING WALL

TERRA PINTADA

INSTALL FILTER FABRIC OVER WALL OPENING ON LOT SIDE OF WALL

PRIVACY PERIMETER & VIEW FENCE ①

WALL OPENING

4"

1.33'

6' MIN. VARIES

EXISTING RETAINING WALL

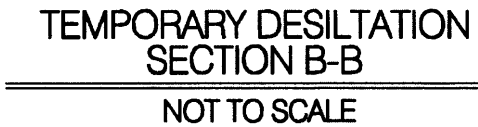
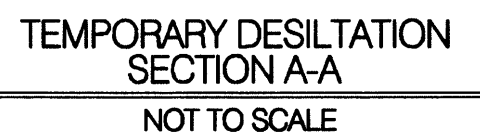
EXISTING RETAINING WALL

EXISTING LINEAR PARK

TYPICAL CROSS SECTION B-B  
NOT TO SCALE



\*\* BOTTOM OF BASIN IS 1' BELOW PROPERTY LINE  
ELEVATION SEE GRADING PLANS FOR EXACT  
ELEVATIONS



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5. ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND OTHER UTILITY LINES, CABLES, AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.

6. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.

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1. EXCEPT AS PROVIDED HERIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.

2. CONTRACTOR SHALL OBTAIN AND ABIDE BY A TOPSOIL DISTURBANCE PERMIT FROM THE CITY OF ALBUQUERQUE ENVIRONMENTAL HEALTH DIVISION, PRIOR TO CONSTRUCTION. THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE, AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.

3. ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION, AND PAVEMENT INSTALLATION, AS SHOWN ON THIS PLAN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SOILS REPORT PREPARED BY XBEVINYARD DATED JULY 22, 2013. ALL OTHER WORK, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS (FIRST PRIORITY), AND/OR THE CITY OF ALBUQUERQUE (COA) STANDARD SPECIFICATIONS FOR PUBLIC WORKS (SECOND PRIORITY).

4. TWO WORKING DAYS PRIOR TO EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE (765-1264) FOR LOCATION OF EXISTING UTILITIES.

5. PRIOR TO GRADING, ALL VEGETATION DEBRIS, AND NEAR SURFACE ORGANICALLY CONTAMINATED SOIL SHALL BE STRIPPED FROM ALL AREAS TO BE GRADED. VEGETATION AND DEBRIS SHALL BE DISPOSED OF OFF-SITE OR STOCK-PILED FOR USE IN PLANTERS AND NON-STRUCTURAL FILLS.

6. EARTH SLOPES SHALL NOT EXCEED 4 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE

7. IT IS THE INTENT OF THESE PLANS THAT THIS CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE PROPERTY BOUNDARIES EXCEPT AS REQUIRED BY THIS PLAN.

8. THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHT-OF-WAY. THIS SHOULD BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AT THE PROPERTY LINES WETTING THE SOIL TO PROTECT IT FROM WIND EROSION.

9. A DISPOSAL SITE FOR ALL EXCESS EXCAVATION AND UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT, AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.

10. PAVING AND ROADWAY GRADES SHALL BE  $\pm 0.1'$  FROM PLAN ELEVATIONS. PAD ELEVATION SHALL BE  $\pm 0.05$  FROM BUILDING PLAN ELEVATIONS.

11. ALL SPOT ELEVATIONS ARE TO FLOWLINE UNLESS OTHERWISE NOTED. VALLEY GUTTER ELEVATIONS ARE SHOWN AT FLOWLINE ELEVATION.

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| DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR. |
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Fri, 29-Jan-2016 - 9:40:am, Plotted by: AROMERO



I, YOLANDA PADILLA MAYER, PHASE 16035, OF THE FIRM BOHANNAN HUSTON, HEREBY CERTIFY THAT Lots 11-18 AND 26-36 PULTE AT MIREHAEV NP22A, HAVE BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED GRADING AND DRAINAGE PLAN DATED 01-15-16, 01-28-16. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN PROVIDED BY BRIAN J. MARTINEZ, NMPS 18374, OF CARTESIAN SURVEYS. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE 08/01/16 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING 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.

Yolanda Padilla Moyar  
YOLANDA PADILLA MOYER

08/01/1

DATE \_\_\_\_\_



TRACT N-2-B  
FILED: OCTOBER 17, 2013  
(2013C-116)

Q = 62.5 cfs  
D = 0.46 ft  
V = 6.4 fps

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Fri, 29-Jan-2016 - 9:40:am, Plotted by: AROMERO

## REFERENCES

PROPOSED SPOT ELEVATION ● 5235.25

EXISTING SPOT ELEVATION ● EX 5235.25

PROPOSED CONTOUR — 5025 —

EXISTING STORM DRAIN LINE == == == ==

PROPOSED STORM DRAIN INLET [Square symbol]

PROPOSED STORM DRAIN LINE =====

PROPOSED STORM DRAIN MANHOLE [Circle symbol]

PROPOSED WATER BLOCK [Wavy line symbol]

RETAINING WALL [Brick pattern symbol]

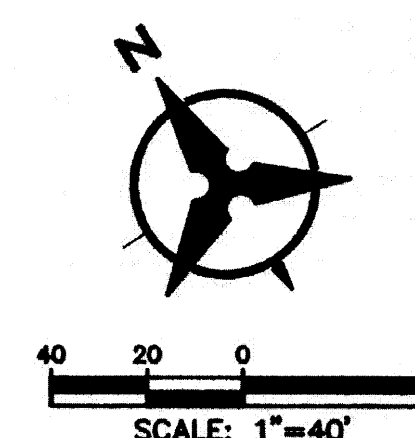
PAD [Rectangular symbol]

WALL OPENING [Rectangular symbol with '10' and 'P=3300.00']

STREET SLOPE [Arrow pointing right with '1:1' below it]

COBBLE RUNDOWN [Cobble pattern symbol]

 CONTRACTOR SHALL INSTALL 7' WIDE 1' DEEP SWALE ALONG THE EAST PROPERTY LINE AND 5' SIDE 1'DEEP SWALE ALONG THE NORTH PROPERTY LINE WHERE LOTS DRAIN TO THE BACK OF THE LOT. SWALE SHALL BE 12" OF 95% COMPACTION WITH FILTER FABRIC AND 1" TO 2" FRACTURED COBBLE



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**CITY OF ALBUQUERQUE**  
**DEPARTMENT OF**  
**MUNICIPAL DEVELOPMENT**  
**PULTE @ MIREHAVEN PHASE 2A**  
**GRADING PLAN**

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

LAST DESIGN  
1100 A 75

CITY PROJECT NO.

ZONE MAP NO.

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| SHEET | 2 | OF | 6 |
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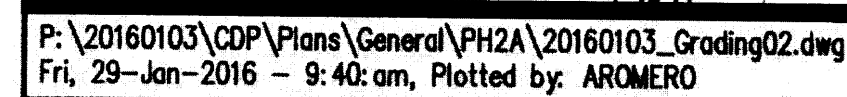
## QUERQUE

### MENT

### ASE 2A

| ENGINEER'S SEAL                                                                                                                                                                                |  | SURVEY INFORMATION |    | BENCH MARKS                                                                                                                                                                                                                                              |  | AS-BUILT INFORMATION               |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------|--|
|                                                                                                            |  | FIELD NOTES        |    | US2&GS BRASS DISC STAMPED "REWARD 1989"<br>GEOGRAPHIC POSITION (NAD 83)<br>N.M. STATE PLANE COORDINATES<br>(CENTRAL ZONE)<br>N=1487364.063 E=1491190.819<br>GROUND TO GRID = 0.999675005<br>DELTA ALPHA = -0017'12.26"<br>NAVD 1988 ELEVATION = 5319.688 |  | MICRO-FILM INFORMATION<br>NO. DATE |  |
|                                                                                                                                                                                                |  | NO.                | BY |                                                                                                                                                                                                                                                          |  |                                    |  |
| 01-28-16 PAD DEPTH INCREASED TO 90" FOR LOTS 1-19, 22-32, 35, 48-52<br>54-76, 79-88, FUTURE LOTS 90, 130, 132-139, 152, 173<br>MINOR REV TO WALL ELEV'S ON LOTS 20, 34, 35, 47, 48, 55, 56, 73 |  |                    |    |                                                                                                                                                                                                                                                          |  |                                    |  |
| 2                                                                                                                                                                                              |  | 02-16-16           |    |                                                                                                                                                                                                                                                          |  |                                    |  |
| NO. DATE                                                                                                                                                                                       |  | REMARKS            |    | BY                                                                                                                                                                                                                                                       |  |                                    |  |
|                                                                                                                                                                                                |  | REVISIONS          |    |                                                                                                                                                                                                                                                          |  |                                    |  |
|                                                                                                                                                                                                |  | DESIGN             |    |                                                                                                                                                                                                                                                          |  |                                    |  |
| DESIGNED BY YPM                                                                                                                                                                                |  |                    |    | DATE 12/2015                                                                                                                                                                                                                                             |  |                                    |  |
| DRAWN BY AR                                                                                                                                                                                    |  |                    |    | DATE 12/2015                                                                                                                                                                                                                                             |  |                                    |  |





THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING 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.

Yolanda Padilla Moysa

08/01/16

YOLANDA PADILLA MOYER, NMPE 16035

DATE

YOLANDA PADILLA MOYER  
NEW MEXICO  
16035  
LICENSE

PROPOSED SPOT ELEVATION      ● 5235.25

EXISTING SPOT ELEVATION      ● EX 5235.25

PROPOSED CONTOUR      5225

EXISTING STORM DRAIN LINE      == == == ==

PROPOSED STORM DRAIN INLET      □

PROPOSED STORM DRAIN LINE      === ===

PROPOSED STORM DRAIN MANHOLE      ○

PROPOSED WATER BLOCK      ~ ~ ~ ~ ~

RETAINING WALL      ————

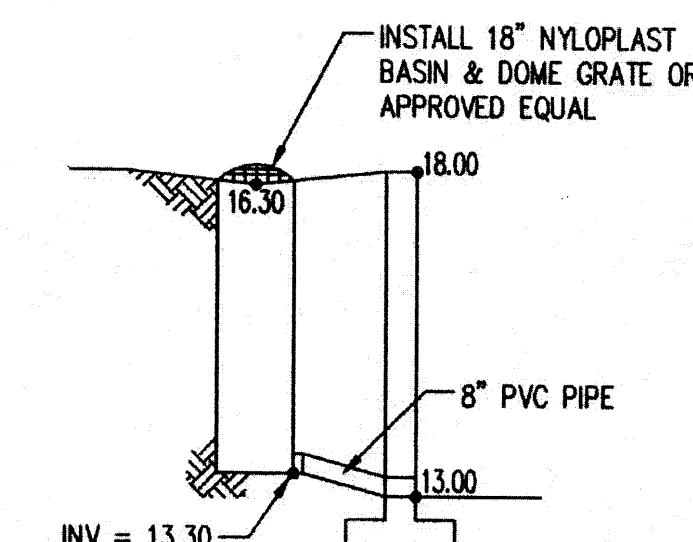
PAD      10  
P=5300.00

WALL OPENING      ➡ TB

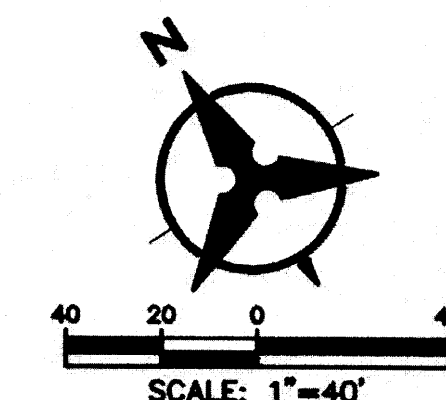
STREET SLOPE      XY



CONTRACTOR SHALL INSTALL 7' WIDE 1' DEEP SWALE ALONG THE EAST PROPERTY LINE AND 5' SIDE 1'DEEP SWALE ALONG THE NORTH PROPERTY LINE WHERE LOTS DRAIN TO THE BACK OF THE LOT. SWALE SHALL BE 12" OF 95% COMPACTION WITH FILTER FABRIC AND 1" TO 2" FRACTURED COBBLE



**BASIN & DOME GRATE DETAIL**  
NOT TO SCALE



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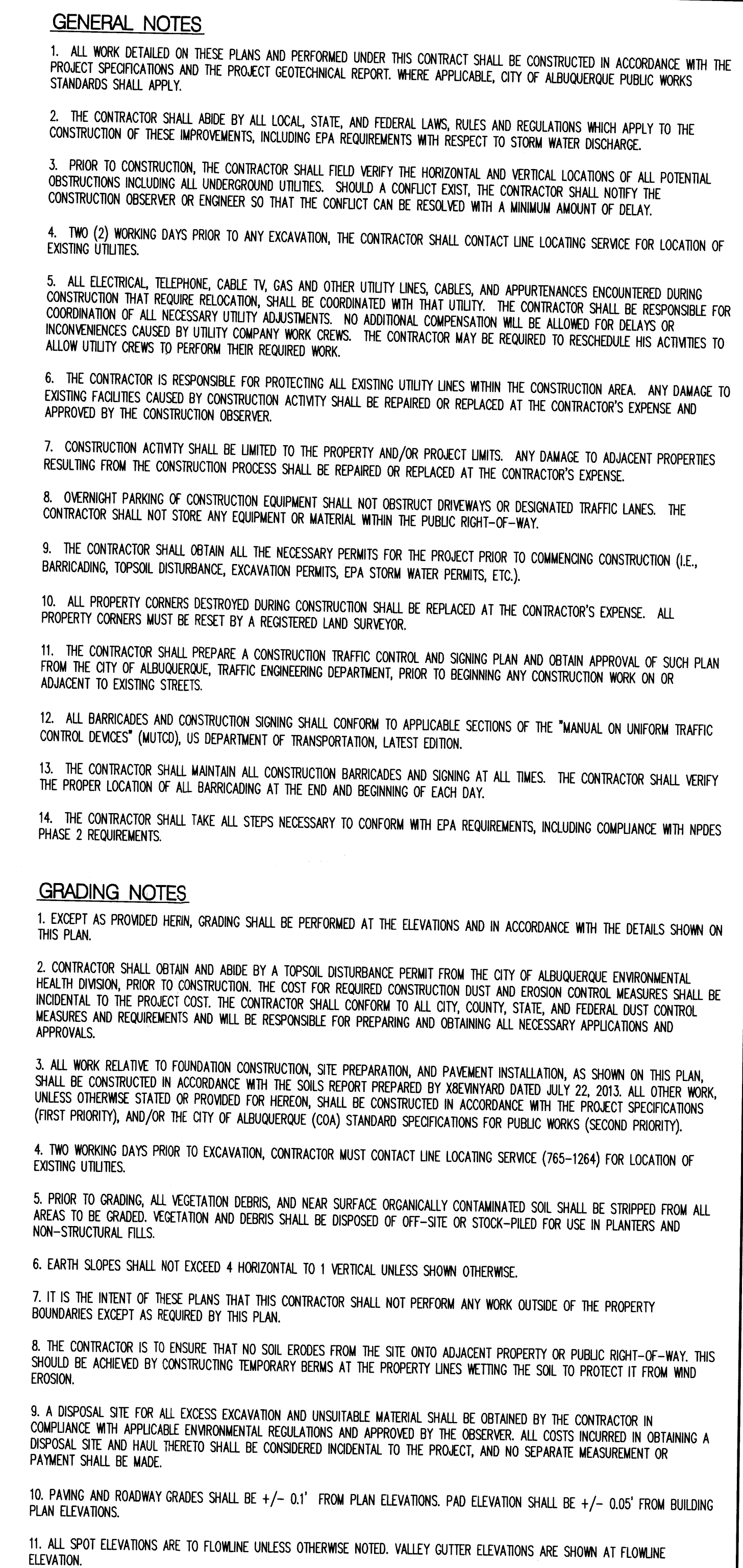


**CITY OF ALBUQUERQUE**  
**DEPARTMENT OF**  
**MUNICIPAL DEVELOPMENT**

**PULTE @ MIREHAVEN PHASE 2A**  
**GRADING PLAN**

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**CITY OF ALBUQUERQUE**  
**DEPARTMENT OF**  
**MUNICIPAL DEVELOPMENT**

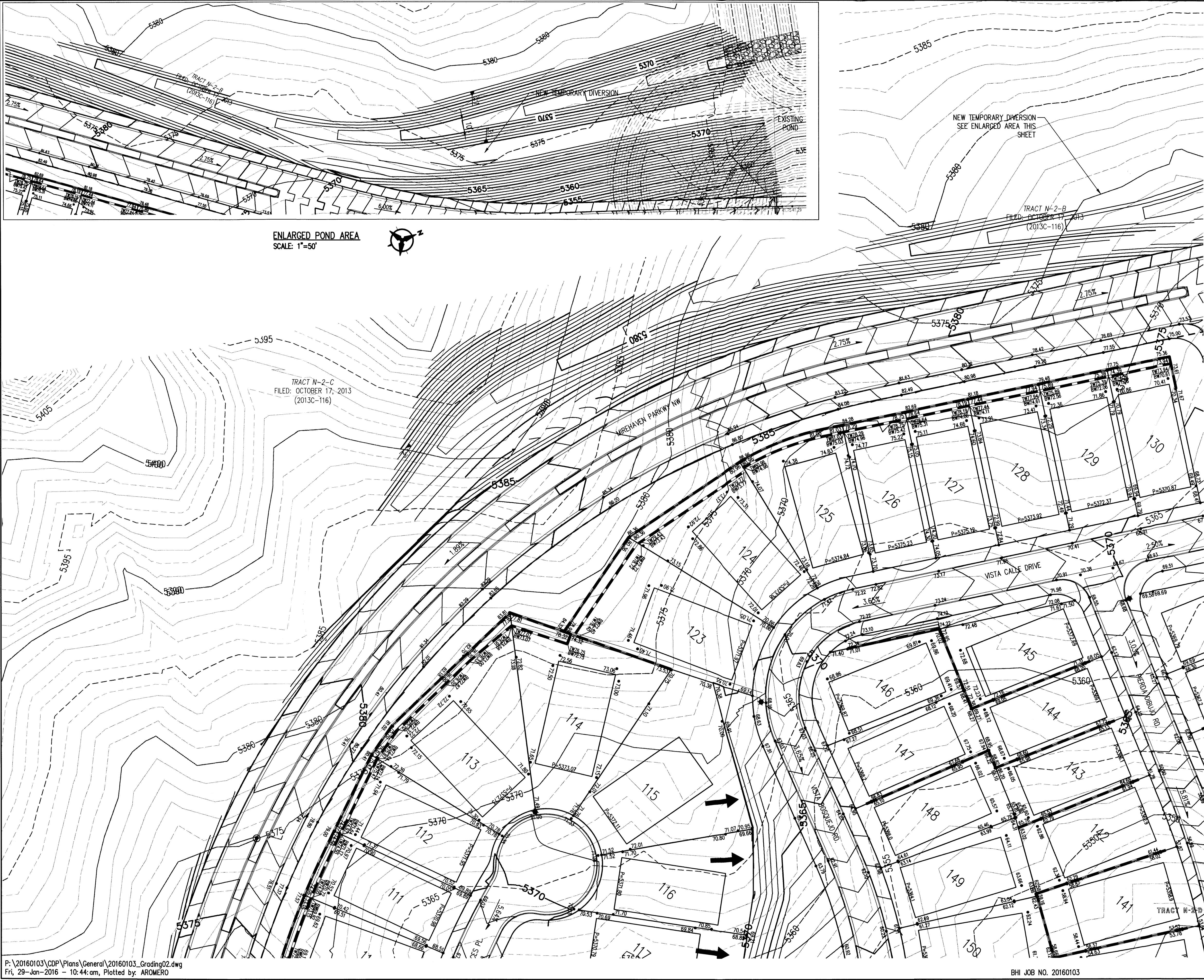
PULTE @ MIREHAVEN PHASE  
OVERALL GRADING PLAN

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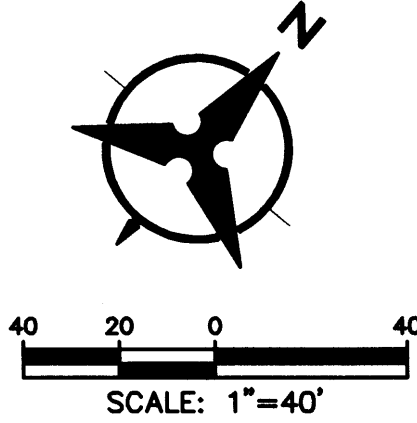
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LAND DEVELOPMENT SECTION





- LEGEND**
- PROPOSED SPOT ELEVATION: 5235.25
  - EXISTING SPOT ELEVATION: EX 5235.25
  - PROPOSED CONTOUR: 5025
  - EXISTING STORM DRAIN LINE: ---
  - PROPOSED STORM DRAIN INLET: [Symbol]
  - PROPOSED STORM DRAIN LINE: [Symbol]
  - PROPOSED STORM DRAIN MANHOLE: [Symbol]
  - PROPOSED WATER BLOCK: [Symbol]
  - RETAINING WALL: [Symbol]
  - PAD: [Symbol]
  - WALL OPENING: [Symbol]
  - STREET SLOPE: XY
  - COBBLE RUNDOWN: [Symbol]



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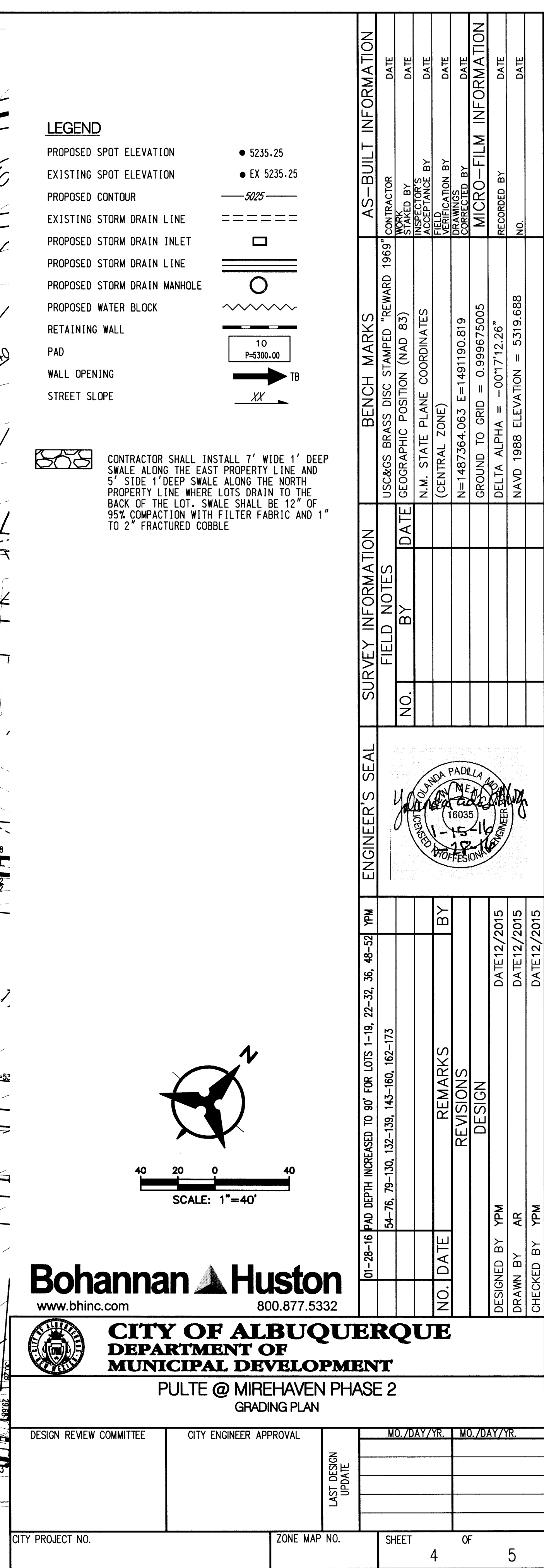
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| PULTE @ MIREHAVEN PHASE 2<br>GRADING PLAN |                        |                                                                      |              |
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| CITY PROJECT NO.                          |                        | ZONE MAP NO.                                                         | SHEET 2 OF 5 |

| BENCH MARKS                            |      | SURVEY INFORMATION |      | ENGINEER'S SEAL |              | AS-BUILT INFORMATION      |      |
|----------------------------------------|------|--------------------|------|-----------------|--------------|---------------------------|------|
| US&GS BRASS DISC STAMPED "REWARD 1969" | DATE | FIELD NOTES        | DATE |                 | REMARKS      | CONTRACTOR                | DATE |
| GEOGRAPHIC POSITION (NAD 83)           | BY   | NO.                | BY   |                 |              | STARTED BY                | DATE |
| N.M. STATE PLANE COORDINATES           |      |                    |      |                 |              | INSPECTOR'S ACCEPTANCE BY | DATE |
| (CENTRAL ZONE)                         |      |                    |      |                 |              | VERIFICATION BY           | DATE |
| N=1487364.063 E=1491190.819            |      |                    |      |                 |              | DRAWN BY                  | DATE |
| GROUND TO GRID = 0.999675005           |      |                    |      | DESIGNED BY YPM | DATE 12/2015 | MICRO-FILM INFORMATION    |      |
| DELTA ALPHA = -0.01712.26"             |      |                    |      | DRAWN BY AR     | DATE 12/2015 | RECORDED BY               | DATE |
| NAVD 1985 ELEVATION = 5319.688         |      |                    |      | CHECKED BY YPM  | DATE 12/2015 | NO.                       | DATE |

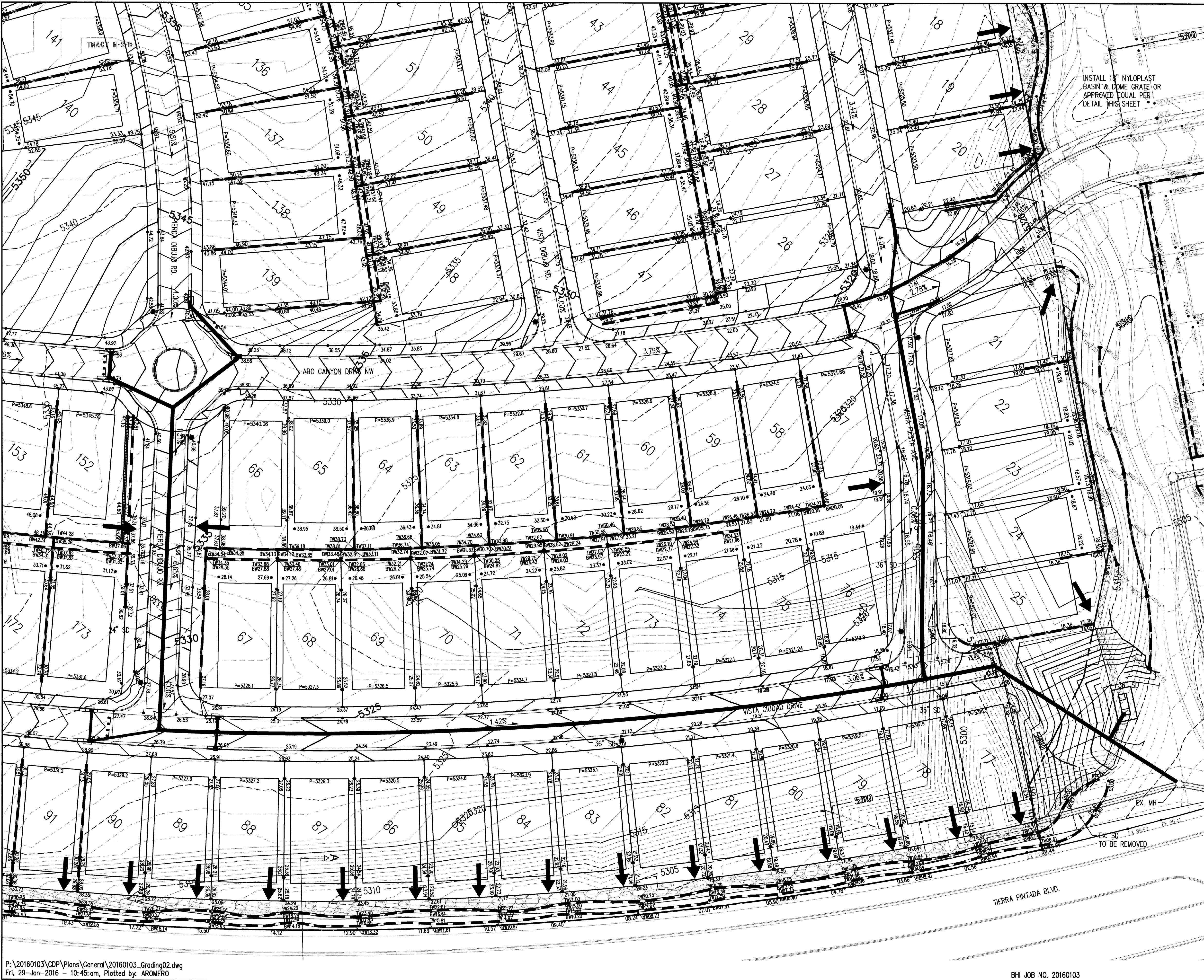




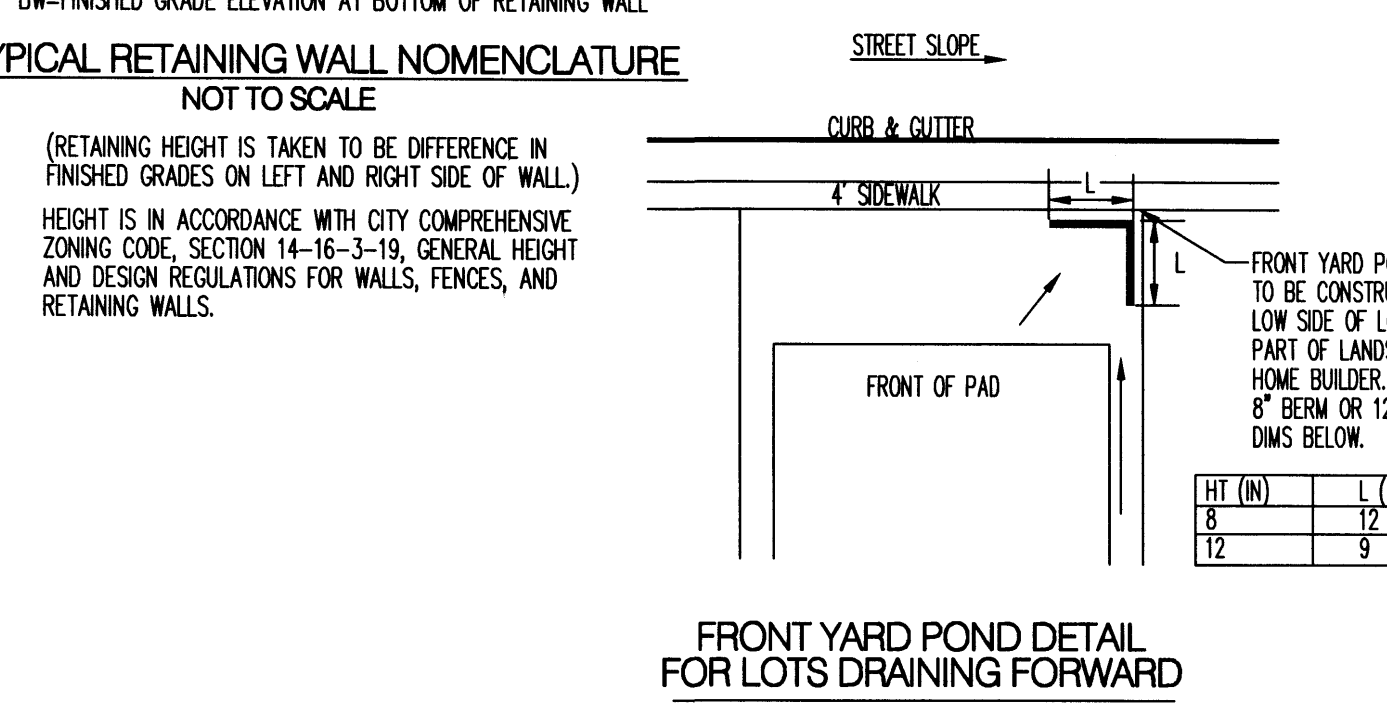




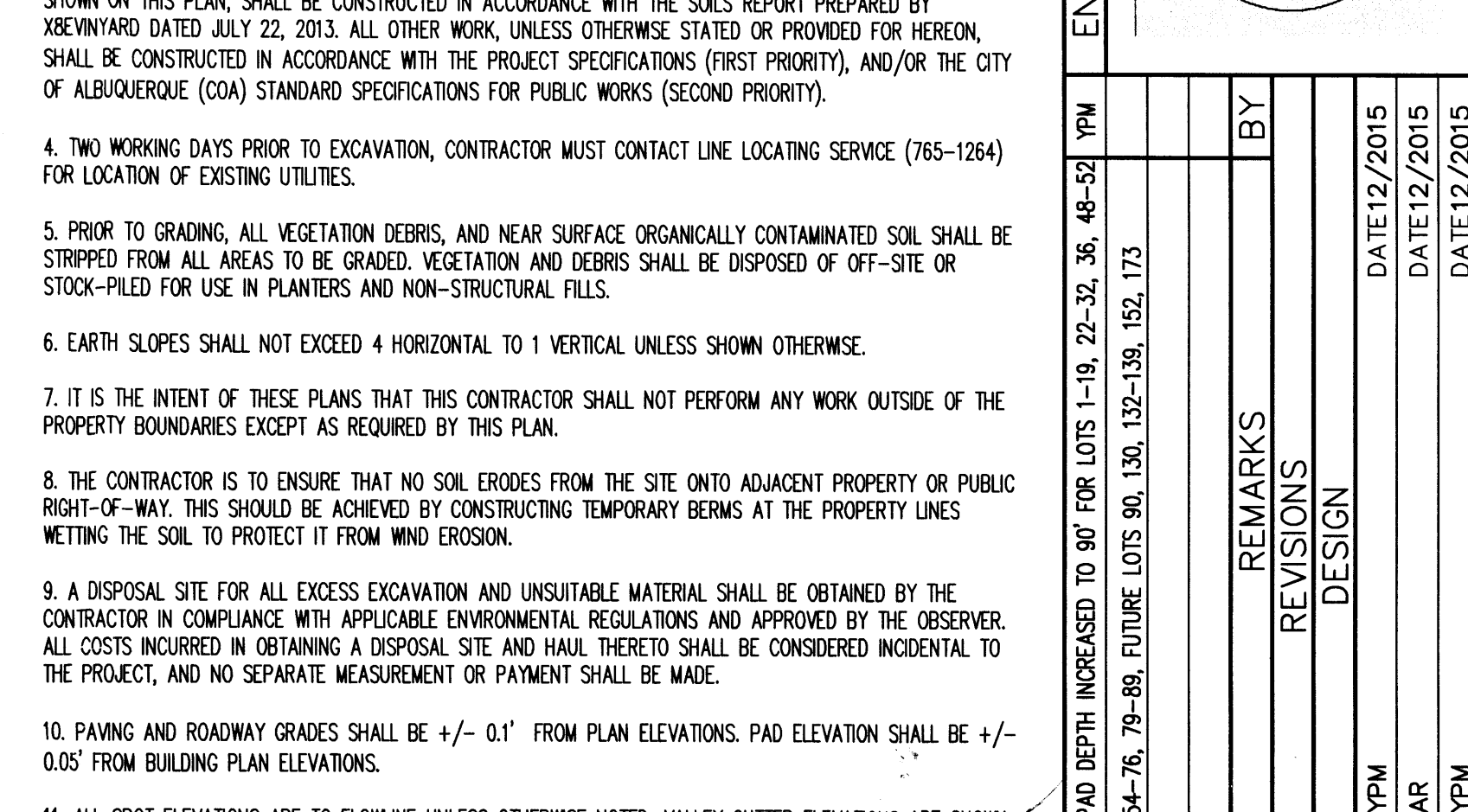








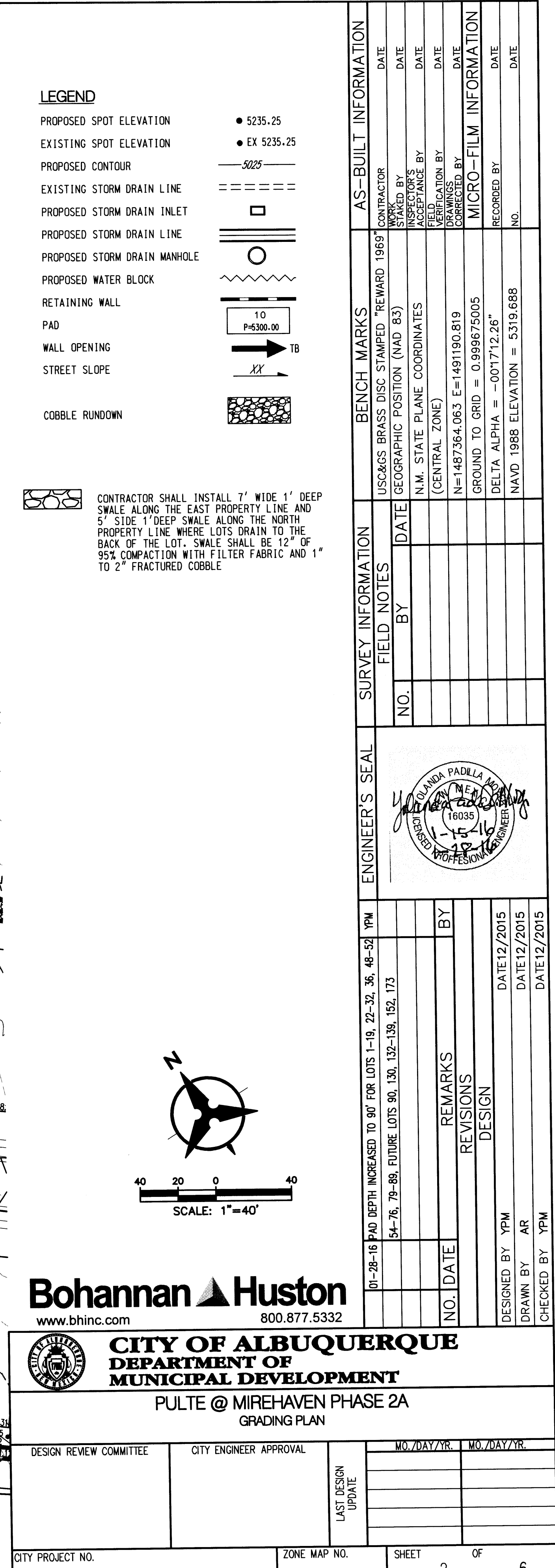
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| COMPLIANCE WITH NPDES PHASE 2 REQUIREMENTS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | SUB             | NO. |  |  |  |  |  |  |
| <p><u><b>GRADING NOTES</b></u></p> <p>1. EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.</p> <p>2. CONTRACTOR SHALL OBTAIN AND ABIDE BY A TOPSOIL DISTURBANCE PERMIT FROM THE CITY OF ALBUQUERQUE ENVIRONMENTAL HEALTH DIVISION, PRIOR TO CONSTRUCTION. THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE, AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.</p> <p>3. ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION, AND PAVEMENT INSTALLATION, AS SHOWN ON THIS PLAN, SHALL BE IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, LATEST EDITION.</p> |  | ENGINEER'S SEAL |     |  |  |  |  |  |  |



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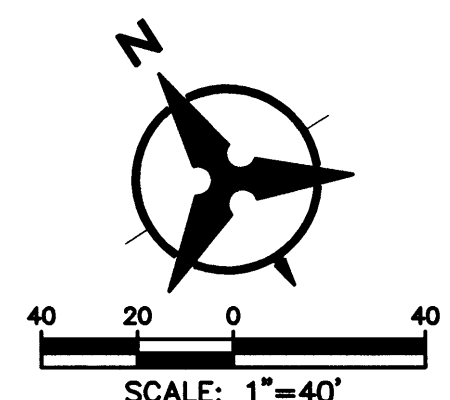
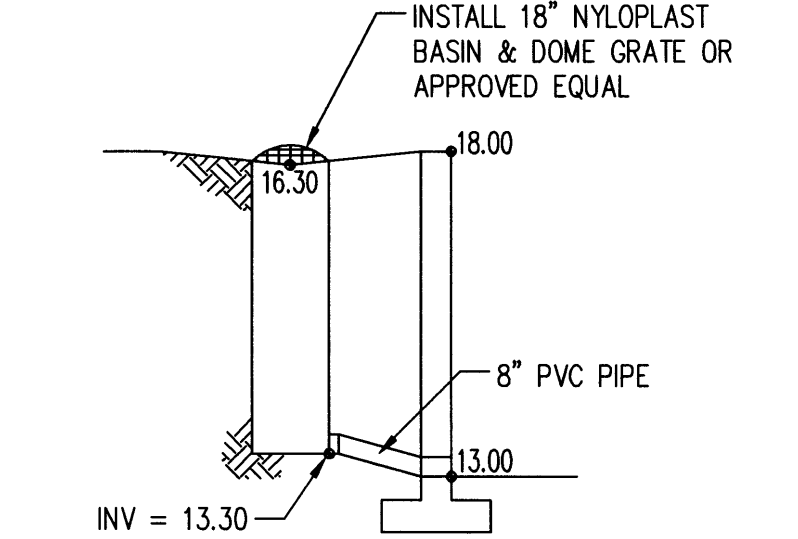




LEGEND

- PROPOSED SPOT ELEVATION
- EXISTING SPOT ELEVATION
- PROPOSED CONTOUR
- EXISTING STORM DRAIN LINE
- PROPOSED STORM DRAIN INLET
- PROPOSED STORM DRAIN LINE
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED WATER BLOCK
- RETAINING WALL
- PAD
- WALL OPENING
- STREET SLOPE

CONTRACTOR SHALL INSTALL 7" WIDE 1' DEEP SWALE ALONG THE EAST PROPERTY LINE AND 4" SIDE 1' DEEP SWALE ALONG THE NORTH PROPERTY LINE WHERE LOTS DRAIN TO THE BACK OF THE LOT. SWALE SHALL BE 12" OF 95% COMPACTION WITH FILTER FABRIC AND 1" TO 2" FRACTURED COBBLE



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**CITY OF ALBUQUERQUE**  
DEPARTMENT OF  
MUNICIPAL DEVELOPMENT

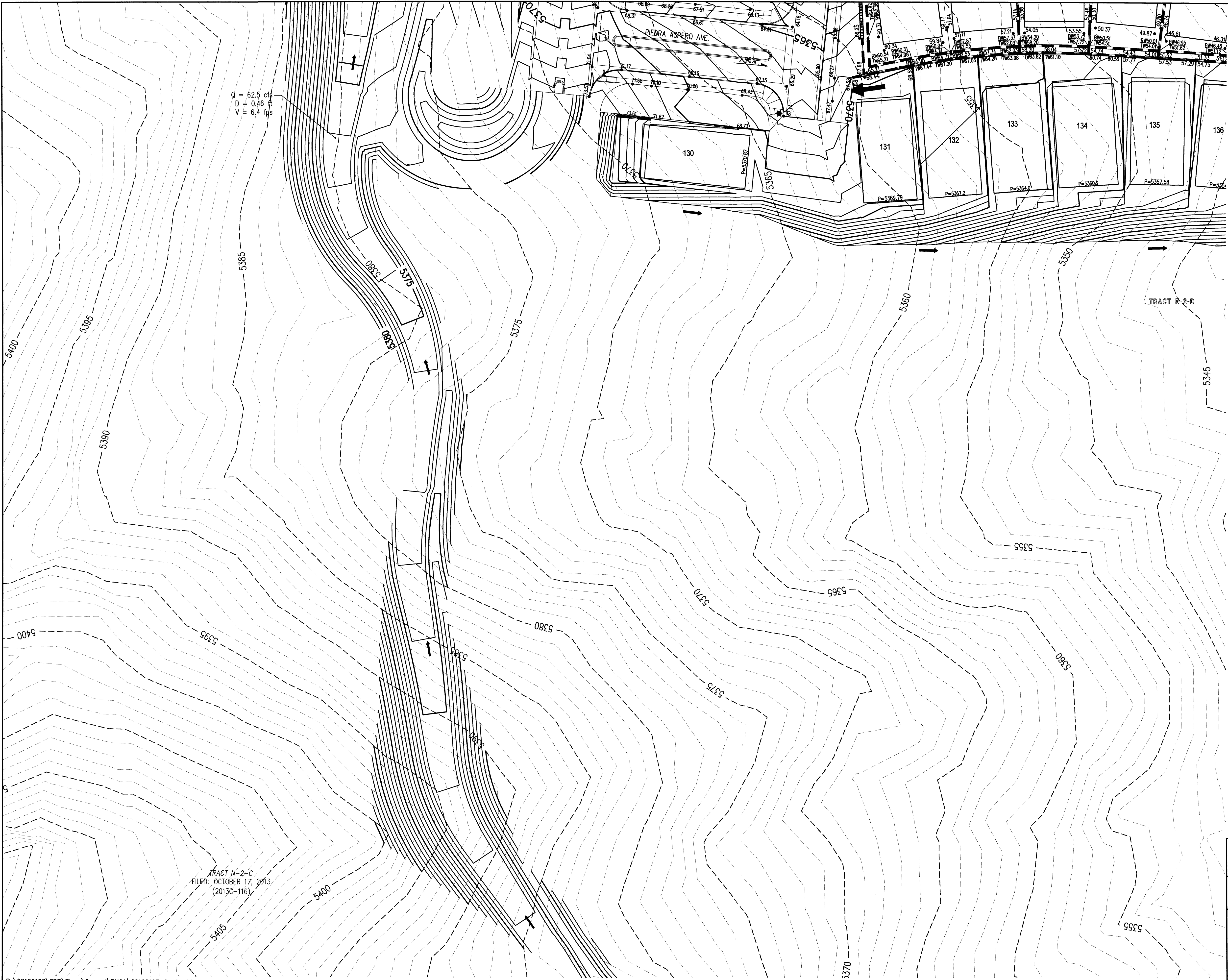
PULTE @ MIREHAVEN PHASE 2A  
GRADING PLAN

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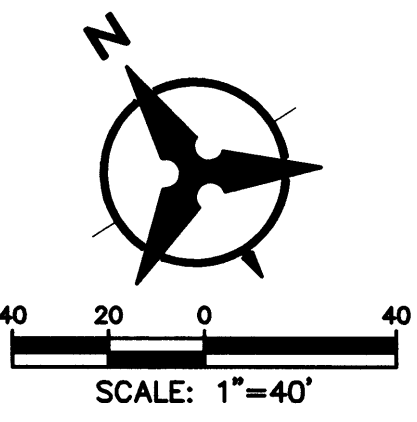
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| CITY PROJECT NO. | ZONE MAP NO. | SHEET 3 OF 6 |
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| BENCH MARKS                             |      | SURVEY INFORMATION |    | ENGINEER'S SEAL |      | REMARKS   |    |
|-----------------------------------------|------|--------------------|----|-----------------|------|-----------|----|
| USC&GS BRASS DISC STAMPED "REWARD 1969" | DATE | FIELD NOTES        | BY | NO.             | DATE | REVISIONS | BY |
| GEOGRAPHIC POSITION (NAD 83)            | DATE |                    |    |                 |      | DESIGN    |    |
| N.M. STATE PLANE COORDINATES            | DATE |                    |    |                 |      |           |    |
| (CENTRAL ZONE)                          | DATE |                    |    |                 |      |           |    |
| N=1491364.063 E=1491190.819             | DATE |                    |    |                 |      |           |    |
| GROUND TO GRID = 0.999675005            | DATE |                    |    |                 |      |           |    |
| DELTA ALPHA = -001712.26"               | DATE |                    |    |                 |      |           |    |
| NAVD 1988 ELEVATION = 5319.688          | DATE |                    |    |                 |      |           |    |





- LEGEND**
- PROPOSED SPOT ELEVATION
  - EXISTING SPOT ELEVATION
  - PROPOSED CONTOUR
  - EXISTING STORM DRAIN LINE
  - PROPOSED STORM DRAIN INLET
  - PROPOSED STORM DRAIN LINE
  - PROPOSED STORM DRAIN MANHOLE
  - PROPOSED WATER BLOCK
  - RETAINING WALL
  - PAD
  - WALL OPENING
  - STREET SLOPE



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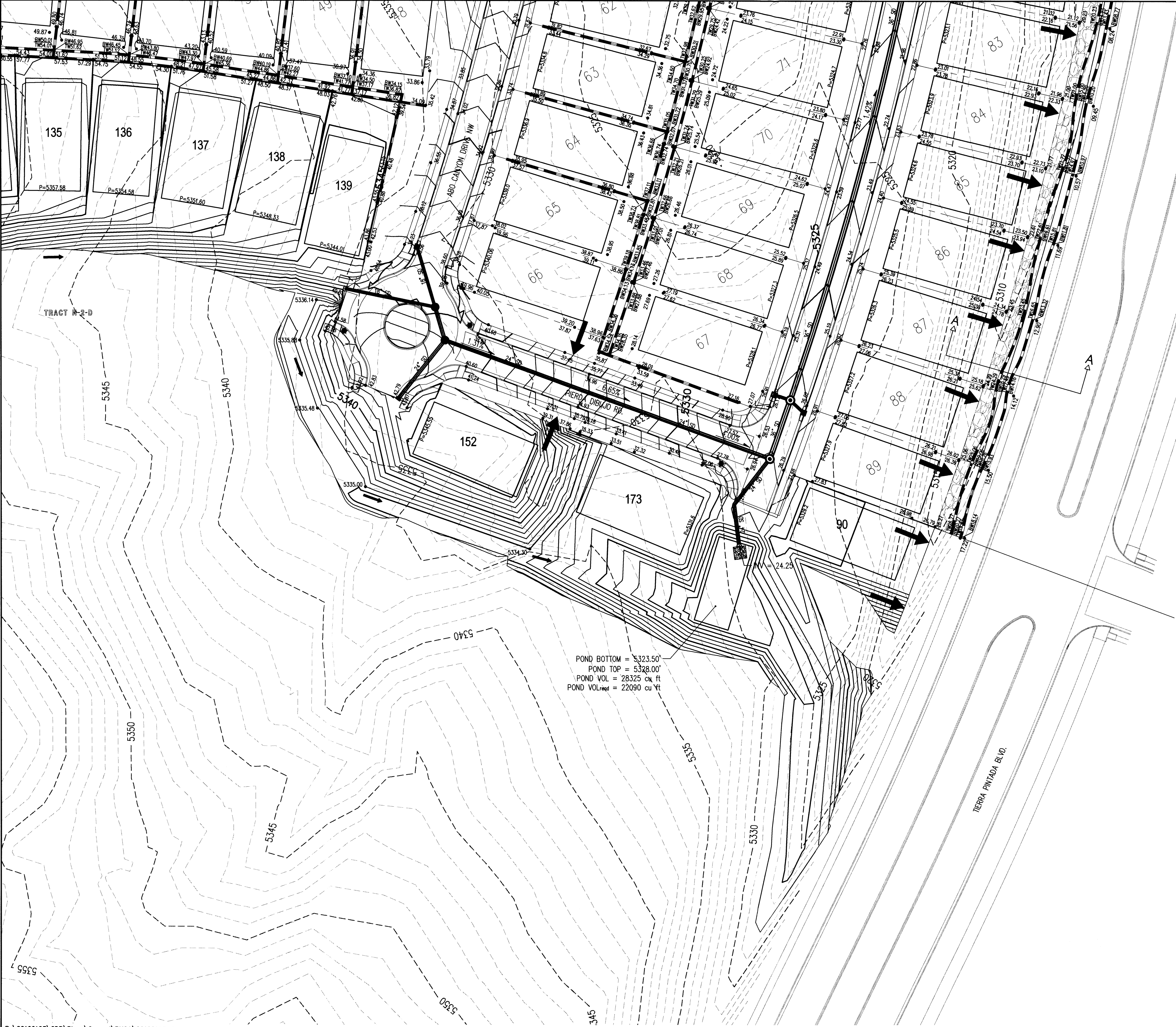
**CITY OF ALBUQUERQUE**  
**DEPARTMENT OF**  
**MUNICIPAL DEVELOPMENT**

**PULTE @ MIREHAVEN PHASE 2A**  
**GRADING PLAN**

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| CITY PROJECT NO.        | ZONE MAP NO.           | SHEET              | OF          |             |

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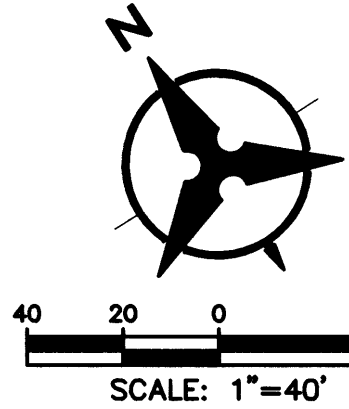


LEGEND

- PROPOSED SPOT ELEVATION  
EXISTING SPOT ELEVATION  
PROPOSED CONTOUR  
EXISTING STORM DRAIN LINE  
PROPOSED STORM DRAIN INLET  
PROPOSED STORM DRAIN LINE  
PROPOSED STORM DRAIN MANHOLE  
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PAD  
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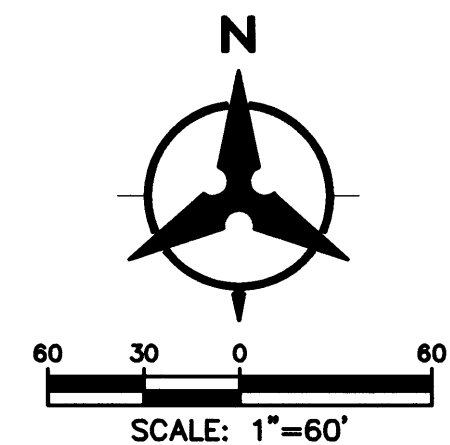
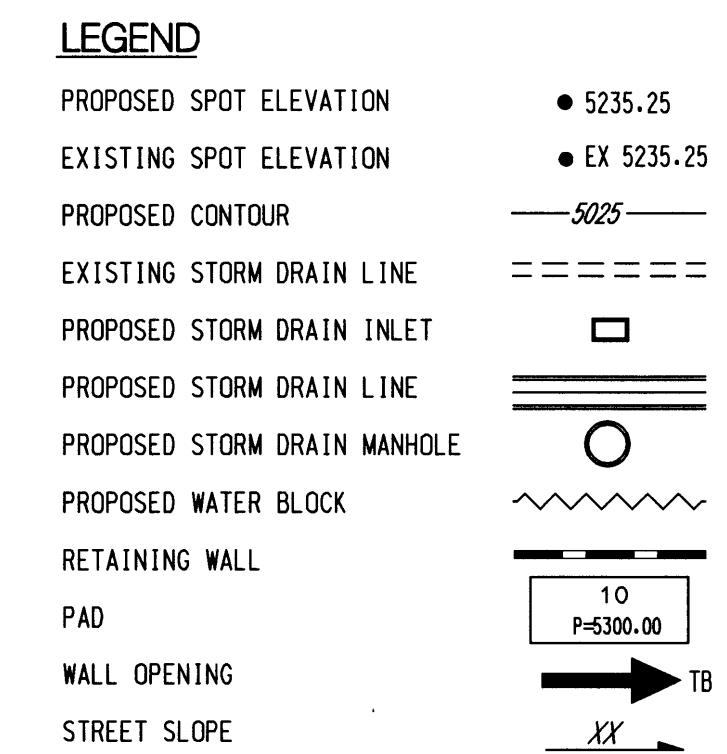


**CITY OF ALBUQUERQUE**  
**DEPARTMENT OF**  
**MUNICIPAL DEVELOPMENT**

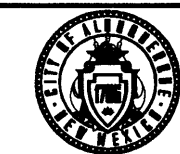
**PULTE @ MIREHAVEN PHASE 2A**  
**GRADING PLAN**

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|-------------------------|------------------------|--------------------|-----------------|-----------------|
| DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | LAST DESIGN UPDATE | MO. / DAY / YR. | MO. / DAY / YR. |
|                         |                        |                    |                 |                 |
|                         |                        |                    |                 |                 |
|                         |                        |                    |                 |                 |
|                         |                        |                    |                 |                 |
| CITY PROJECT NO.        | ZONE MAP NO.           | SHEET              | OF              |                 |
|                         |                        | 5                  | 6               |                 |





**Bohannon**  **Huston**  
www.bhinc.com 800.877.5332



**CITY OF ALBUQUERQUE**  
**DEPARTMENT OF**  
**MUNICIPAL DEVELOPMENT**

PULTE @ MIREHAVEN PHASE 2A  
GRADING PLAN

|                         |                        |                    |             |             |
|-------------------------|------------------------|--------------------|-------------|-------------|
| DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR. |
|                         |                        |                    |             |             |
|                         |                        |                    |             |             |
|                         |                        |                    |             |             |
|                         |                        |                    |             |             |
| CITY PROJECT NO.        | ZONE MAP NO.           | SHEET 6            | OF 6        |             |

| SURVEY INFORMATION |             |                                         | BENCH MARKS               | AS-BUILT INFORMATION |  |
|--------------------|-------------|-----------------------------------------|---------------------------|----------------------|--|
| NO.                | FIELD NOTES | CONTRACTOR                              |                           | DATE                 |  |
|                    | DATE        | USC&GS BRASS DISC STAMPED "REWARD 1969" | WORK RECORDED BY          | DATE                 |  |
|                    |             | GEOGRAPHIC POSITION (NAD 83)            | INSPECTOR'S ACCEPTANCE BY | DATE                 |  |
|                    |             | N.M. STATE PLANE COORDINATES            | FIELD VERIFICATION BY     | DATE                 |  |
|                    |             | (CENTRAL ZONE)                          | DRAWINGS CORRECTED BY     | DATE                 |  |
|                    |             | N=1487364.063 E=1491190.819             | MICRO-FILM INFORMATION    |                      |  |
|                    |             | GROUND TO GRID = 0.999675005            | RECORDED BY               | DATE                 |  |
|                    |             | DELTA ALPHA = -001°7'12.26"             |                           |                      |  |
|                    |             | NAVD. 1988 ELEVATION = 5319.688         | NO.                       | DATE                 |  |
|                    |             |                                         |                           |                      |  |

ENGINEER'S SEAL

|             |                                                             |              |
|-------------|-------------------------------------------------------------|--------------|
| 01-28-16    | PAID DEPTH INCREASED TO 90' FOR LOTS 1-19, 22-52, 36, 48-52 | YPM          |
|             | 54'-76, 79-88, FUTURE LOTS 90, 130, 132-138, 152, 173       |              |
|             |                                                             |              |
| NO. DATE    | REMARKS                                                     | BY           |
| REVISIONS   |                                                             |              |
| DESIGN      |                                                             |              |
| DESIGNED BY | YPM                                                         | DATE 12/2015 |
| DRAWN BY    | AR                                                          | DATE 12/2015 |
| CHECKED BY  | YPM                                                         | DATE 12/2015 |

P: \20160103\CDP\Plans\General\PH2A\20160103\_Grading02.dwg  
Fri, 29-Jan-2016 - 9:40:am, Plotted by: AROMERO

BHI JOB NO. 20160103



PULTE PHASE 2 @ MIREHAVEN

PROPOSED  
STORM DRAIN NETWORK

JANUARY 2016  
*off by 1.2*

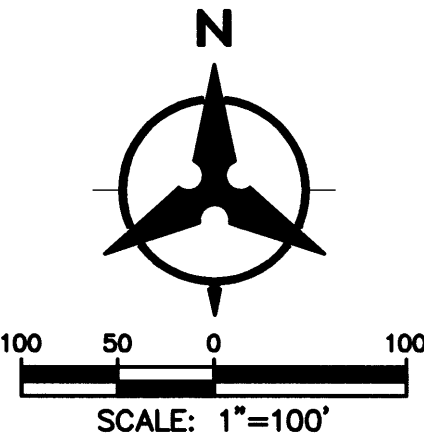
| STORM DRAIN PIPE SUMMARY |           |           |            |                    |
|--------------------------|-----------|-----------|------------|--------------------|
| SDP                      | SIZE (IN) | SLOPE (%) | FLOW (CFS) | MAX CAPACITY (CFS) |
| 1                        | 36"       | 4.0%      | 128.9      | 133.4              |
| 2                        | 36"       | 3.0%      | 96.0       | 115.5              |
| 3                        | 36"       | 1.4%      | 55.5       | 78.9               |
| 4                        | 36"       | 1.4%      | 47.5       | 78.9               |
| 5                        | 24"       | 4.0%      | 26.5       | 45.2               |
| 6                        | 36"       | 0.6%      | 40.5       | 51.7               |
| 7                        | 30"       | 1.0%      | 26.2       | 40.9               |
| 8                        | 30"       | 1.0%      | 41.0       | 66.0               |
| 9                        | 24"       | 5.0%      | 26.2       | 50.0               |

| STORM INLET SUMMARY |                  |                             |                     |                              |                   |
|---------------------|------------------|-----------------------------|---------------------|------------------------------|-------------------|
| INLET               | STREET GRADE (%) | UPSTREAM HALF ST FLOW (CFS) | UPSTREAM DEPTH (FT) | FLOW CAPTURED BY INLET (CFS) | BYPASS FLOW (CFS) |
| 1                   | 3.8%             | 11.6                        | 0.39                | 7.0                          | 4.6               |
| 2                   | 3.8%             | 11.6                        | 0.39                | 7.0                          | 4.6               |
| 3                   | 3.8%             | 11.6                        | 0.37                | 5.5                          | 6.1               |
| 4                   | N/A SUMP         | 20.0                        | 1.25                | 20.0                         | 0.0               |
| 5                   | 3.8%             | 10.7                        | 0.48                | 7.0                          | 3.7               |
| 6                   | NOT USED         |                             |                     |                              |                   |
| 7                   | 4.4%             | 12.3                        | 0.39                | 7.0                          | 5.3               |
| 8                   | 4.4%             | 12.3                        | 0.39                | 7.0                          | 5.3               |
| 9                   | 1.4%             | 6.5                         | 0.38                | 3.5                          | 3.0               |
| 10                  | 1.4%             | 6.5                         | 0.38                | 3.5                          | 3.0               |
| 11                  | 3.8%             | 13.8                        | 0.40                | 6.5                          | 7.3               |
| 12                  | 3.8%             | 13.8                        | 0.40                | 6.5                          | 7.3               |
| 13                  | 1.9%             | 19.1                        | 0.49                | 8.0                          | 11.1              |
| 14                  | 1.9%             | 11.1                        | 0.41                | 6.0                          | 5.1               |
| 15                  | 2.8%             | 12.4                        | 0.39                | 6.0                          | 6.4               |
| 16                  | 2.8%             | 3.7                         | 0.28                | 3.5                          | 0.2               |
| 17                  | 2.8%             | 6.4                         | 0.32                | 4.0                          | 2.4               |
| 18                  | 3.1%             | 8.2                         | 0.41                | 4.0                          | 4.2               |
| 19                  | 3.1%             | 8.2                         | 0.41                | 4.0                          | 4.2               |
| 20                  | N/A SUMP         | 8.3                         | N/A SUMP            | 11.6                         | 0.0               |
| 21                  | 2.0%             | 5.8                         | 0.35                | 3.5                          | 2.3               |
| 22                  | 1.5%             | 12.1                        | 0.46                | 4.5                          | 7.6               |
| 23                  | 2.0%             | 2.3                         | 0.25                | 2.3                          | 0.0               |
| 24                  | 1.5%             | 7.6                         | 0.41                | 4.5                          | 3.1               |

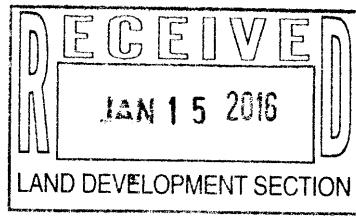
NOTE: ALL INLETS SINGLE GRATE TYPE 'A' OR 'C', EXCEPT INLET 4 IS A SINGLE GRATE TYPE 'D'

LEGEND

- PROPOSED STORM DRAIN PIPE
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN INLET
- EXISTING STORM DRAIN

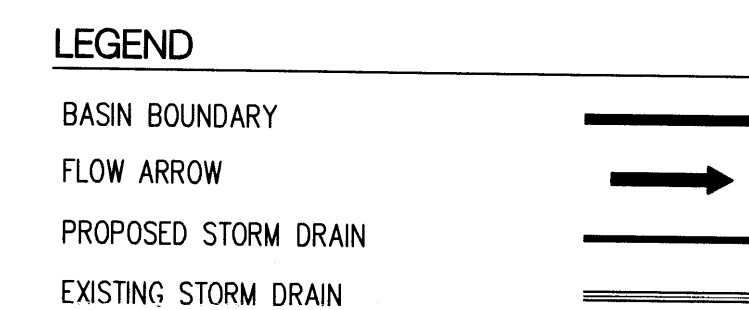


*Revise*  
• IDENTIFY INLETS SIZED  
• IDENTIFY IF SINGLE/DOUBLE  
•



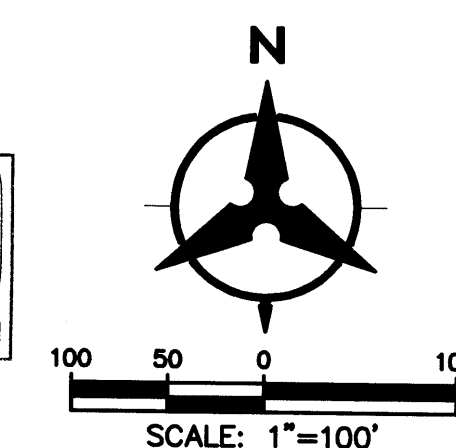
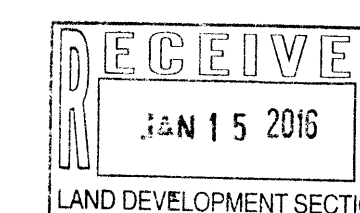


## JANUARY 2016



| DEVELOPED BASIN SUMMARY |              |                  |        |        |        |                          |                |
|-------------------------|--------------|------------------|--------|--------|--------|--------------------------|----------------|
| BASIN<br>I.D.           | AREA<br>(AC) | % LAND TREATMENT |        |        |        | DISCHARGE (CFS)<br>100YR | VOLUME (AC-FT) |
|                         |              | A                | B      | C      | D      |                          |                |
| C-1.1                   | 3.02         | 0.00%            | 29.00% | 29.00% | 42.00% | 9.8                      | 0.33           |
| C-1.2                   | 3.11         | 0.00%            | 29.00% | 29.00% | 42.00% | 10.1                     | 0.34           |
| C-1.3                   | 2.75         | 0.00%            | 29.00% | 29.00% | 42.00% | 9.0                      | 0.30           |
| C-1.4                   | 3.97         | 0.00%            | 29.00% | 29.00% | 42.00% | 12.9                     | 0.43           |
| C-1.5                   | 3.56         | 0.00%            | 29.00% | 29.00% | 42.00% | 11.6                     | 0.39           |
| C-1.6                   | 7.15         | 0.00%            | 29.00% | 29.00% | 42.00% | 23.3                     | 0.78           |
| C-1.7                   | 3.46         | 0.00%            | 29.00% | 29.00% | 42.00% | 11.3                     | 0.38           |
| C-1.8                   | 2.67         | 0.00%            | 29.00% | 29.00% | 42.00% | 8.7                      | 0.29           |
| C-1.9                   | 7.56         | 0.00%            | 29.00% | 29.00% | 42.00% | 24.6                     | 0.82           |
| C-1.10                  | 4.12         | 0.00%            | 29.00% | 29.00% | 42.00% | 13.4                     | 0.45           |
| E.1                     | 3.13         | 0.00%            | 0.00%  | 47.00% | 53.00% | 11.5                     | 0.39           |
| L. 12. 19D/20A          | 3.87         | 50.00%           | 50.00% | 0.00%  | 0.00%  | 6.4                      | 0.18           |
| <b>TOTAL</b>            | <b>48.37</b> |                  |        |        |        | <b>152.6</b>             | <b>5.1</b>     |

NOTE: BASIN L12.19D/20A ACCEPTED INTO MIREHAVEN PKWY IN UNDEVELOPED CONDITION ONLY.





PULTE PHASE 2 @ MIREHAVEN

EXISTING BASINS MAP

October, 2015



| EXISTING BASIN SUMMARY |              |                  |        |        |       |                          |                |
|------------------------|--------------|------------------|--------|--------|-------|--------------------------|----------------|
| BASIN<br>I.D.          | AREA<br>(AC) | % LAND TREATMENT |        |        |       | DISCHARGE (CFS)<br>100YR | VOLUME (AC-FT) |
|                        |              | A                | B      | C      | D     |                          |                |
| C-1                    | 47.11        | 90.00%           | 10.00% | 0.00%  | 0.00% | 64.26                    | 1.82           |
| O-1                    | 4.31         | 90.00%           | 10.00% | 0.00%  | 0.00% | 5.88                     | 0.17           |
| O-2                    | 24.30        | 20.00%           | 70.00% | 10.00% | 0.00% | 47.77                    | 1.33           |
| O-3                    | 4.48         | 20.00%           | 70.00% | 10.00% | 0.00% | 8.81                     | 0.24           |
| O-4                    | 3.34         | 50.00%           | 45.00% | 5.00%  | 0.00% | 5.88                     | 0.16           |
| O-5                    | 9.09         | 40.00%           | 35.00% | 25.00% | 0.00% | 17.67                    | 0.50           |
| TOTAL                  | 92.63        |                  |        |        |       | 150.07                   | 4.21           |

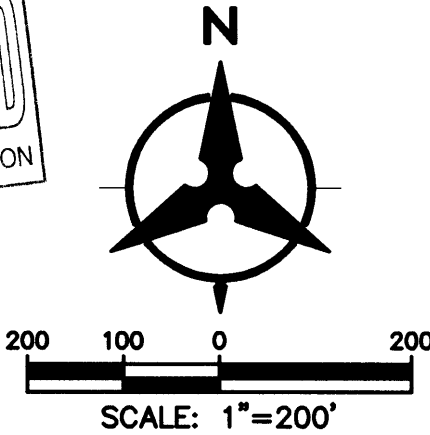
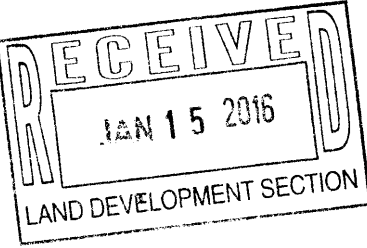
LEGEND

BASIN BOUNDARY

FLOW ARROW

PROPOSED STORM DRAIN

EXISTING STORM DRAIN





LEGAL DESCRIPTION:  
A REPLAT OF :  
TRACT N-2-D, WATERSHED SUBDIVISION  
FILED: OCTOBER 17, 2013 (2013C-116)

1. EXISTING ZONING: SU-2 FOR PDA  
PROPOSED ZONING: SU-2 FOR PDA  
PROPOSED RESIDENTIAL DEVELOPMENT:  
SINGLE FAMILY DETACHED RESIDENTIAL

2. TOTAL ACREAGE:  
EXISTING TRACT N-2-D = 47.1187 ACRES

ACREAGE:  
TRACT N-2-D-1 = 2.1071 Acres  
TRACT N-2-D-2 = 0.0513 Acres  
TRACT N-2-D-3 = 0.3692 Acres  
TRACT N-2-D-4 = 0.8263 Acres  
TRACT N-2-D-5 = 0.0814 Acres  
TRACT N-2-D-6 = 0.1722 Acres  
TRACT N-2-D-7 = 0.0907 Acres  
TRACT N-2-D-8 = 0.0374 Acres  
TRACT N-2-D-9 = 0.0565 Acres  
TRACT N-2-D-10 = 0.1422 Acres  
TRACT N-2-D-11 = 0.0410 Acres  
TRACT N-2-D-12 = 0.0818 Acres  
TRACT N-2-D-13 = 0.0459 Acres  
TRACT N-2-D-14 = 0.2377 Acres  
TRACT N-2-D-15 = 0.3471 Acres  
TRACT N-2-D-16 = 0.0522 Acres  
TRACT N-2-D-17 = 0.0455 Acres

TOTAL NET ACREAGE 47.1187 ACRES

#### LEGEND

--- SUBDIVISION BOUNDARY LINE  
--- TRACT LINE  
--- ADJOINING PROPERTY LINE  
--- EXISTING EASEMENT  
--- PROPOSED EASEMENT

EXISTING PUBLIC ACCESS &  
PUBLIC DRAINAGE EASEMENT  
FILED: OCTOBER 17, 2013  
(2013C-116)

EXISTING PUBLIC ACCESS &  
PUBLIC DRAINAGE EASEMENT  
(HATCHED AREA)  
TO BE VACATED WITH THE  
FINAL PLAT

TRACT N-2-D-15  
80' FLOATING PUBLIC  
VEHICULAR & PEDESTRIAN  
ACCESS EASEMENT FOR THE  
BENEFIT OF TRACT N-1 TO  
BE CONFINED AND DEFINED  
WITH FUTURE PLATTING

TRACT N-1  
WATERSHED SUBDIVISION  
FILED: MAY 9, 2012  
(2012C-58)

TRACT N-2-D-1

ACS BRASS TABLET "REWARD 1969"  
GEOGRAPHIC POSITION (NAD 1983)  
NM STATE PLANE COORDINATES (CENTRAL ZONE)  
N=1,487,364.063 E=1,491,190.819  
GROUND TO GRID FACTOR = 0.999675005  
DELTA ALPHA = -0°17'12.26"  
NAVD 1988 ELEVATION = 5319.688

NUMBER OF LOTS: PHASE 1 = 89  
PHASE 2 = 84  
TOTAL 173

PROPOSED DENSITY: 3.67 D.U./ACRE

3. MINIMUM LOT DIMENSIONS 55' x 120'  
MINIMUM LOT AREA 6600 S.F.

4. ALL STREETS, UTILITIES AND DRAINAGE  
IMPROVEMENTS ARE TO BE PUBLIC, TO BE  
DEDICATED FOR MAINTENANCE TO THE CITY OF  
ALBUQUERQUE.

5. LOT SETBACKS SHALL CONFORM TO SU-2 FOR DA  
ZONE REGULATIONS.

EXISTING PUBLIC ACCESS & PUBLIC  
DRAINAGE EASEMENT  
FILED: OCTOBER 17, 2013 (2013C-116)

TRACT N-2-C  
FILED: OCTOBER 17, 2013  
(2013C-116)

# PRELIMINARY PLAT PULTE @ MIREHAVEN PHASE 2 (REPLAT OF TRACT N-2-D) ALBUQUERQUE, NEW MEXICO OCTOBER, 2015

TRACT N-2-B  
FILED: OCTOBER 17, 2013  
(2013C-116)

TRACT N-2-D-14

EXISTING 10' FLOATING PUBLIC  
PEDESTRIAN ACCESS EASEMENT  
FILED: OCTOBER 17, 2013  
(2013C-116)

MIREHAVEN PARKWAY NW

EXISTING 10' PUBLIC  
UTILITY EASEMENT  
FILED: JUNE 30, 2014  
(2014C-0064)

TRACT N-2-E-3  
10' PUBLIC PEDESTRIAN  
ACCESS EASEMENT  
FILED: JUNE 30, 2014  
(2014C-0064)

TRACT N-2-E-2  
15' PUBLIC PEDESTRIAN  
ACCESS EASEMENT  
FILED: JUNE 30, 2014  
(2014C-0064)

EXISTING 10' PUBLIC  
UTILITY EASEMENT  
FILED: JUNE 30, 2014  
(2014C-0064)

PUBLIC WATER & SANITARY  
SEWER EASEMENT  
FILED: JUNE 30, 2014  
(2014C-0064)

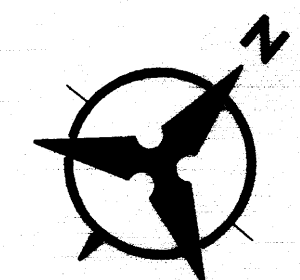
SHADED AREA DESIGNATES  
PUBLIC DRAINAGE EASEMENT  
FILED: JUNE 30, 2014  
(2014C-0064)

PUBLIC SANITARY SEWER  
EASEMENT GRANTED TO THE  
CITY OF ALBUQUERQUE BY  
SEPARATE DOCUMENT

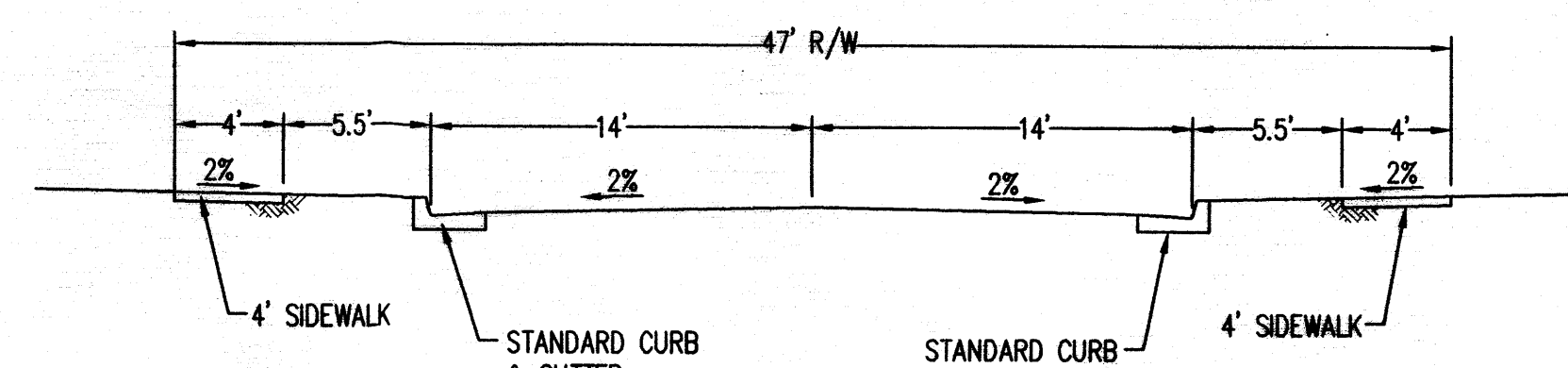
PUBLIC DRAINAGE EASEMENT  
GRANTED TO THE CITY OF  
ALBUQUERQUE BY SEPARATE  
DOCUMENT

EXISTING 10' PUBLIC  
UTILITY EASEMENT  
FILED: DEC. 27, 2000  
(2000C-316)

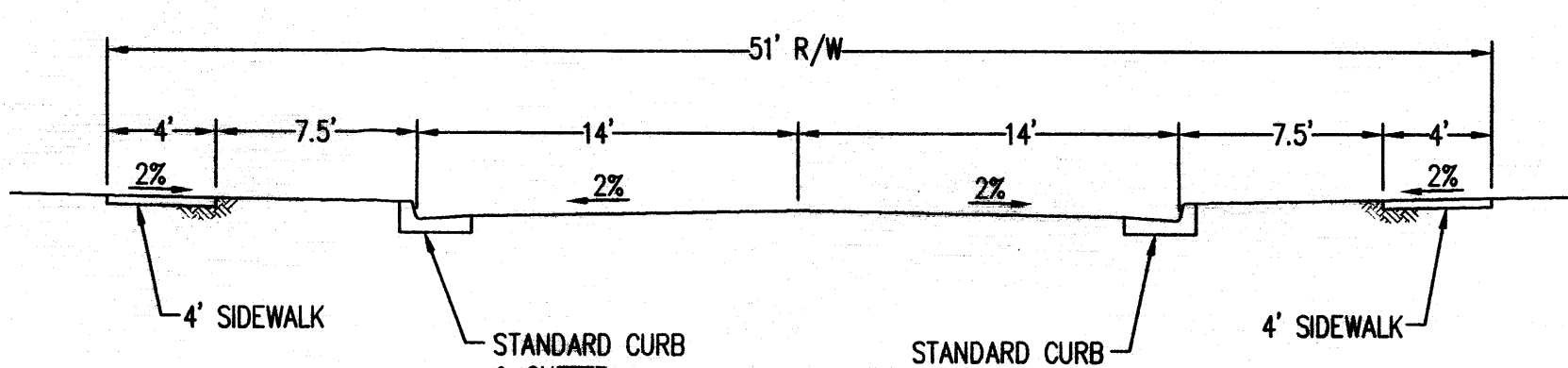
STORMCLOUD SUBDIVISION UNIT 1  
FILED: JUNE 27, 2006  
(2006C-204)



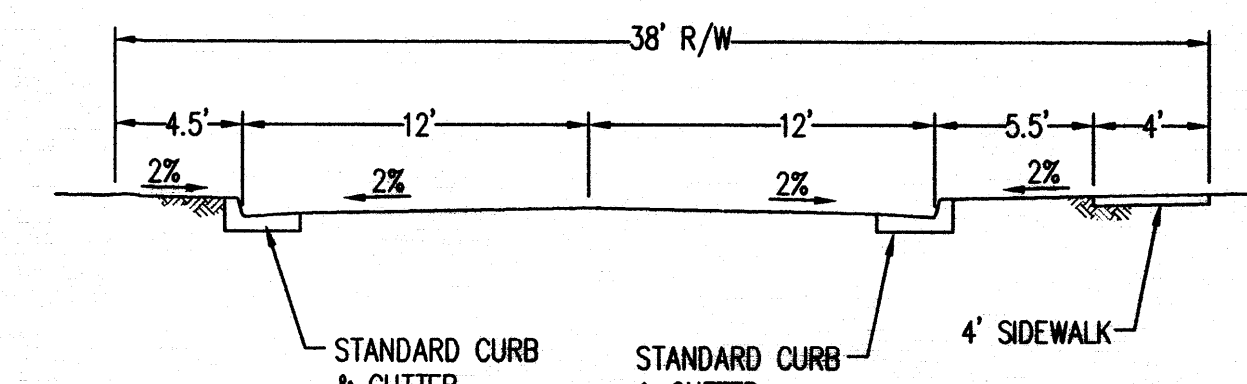
SCALE: 1"=100'



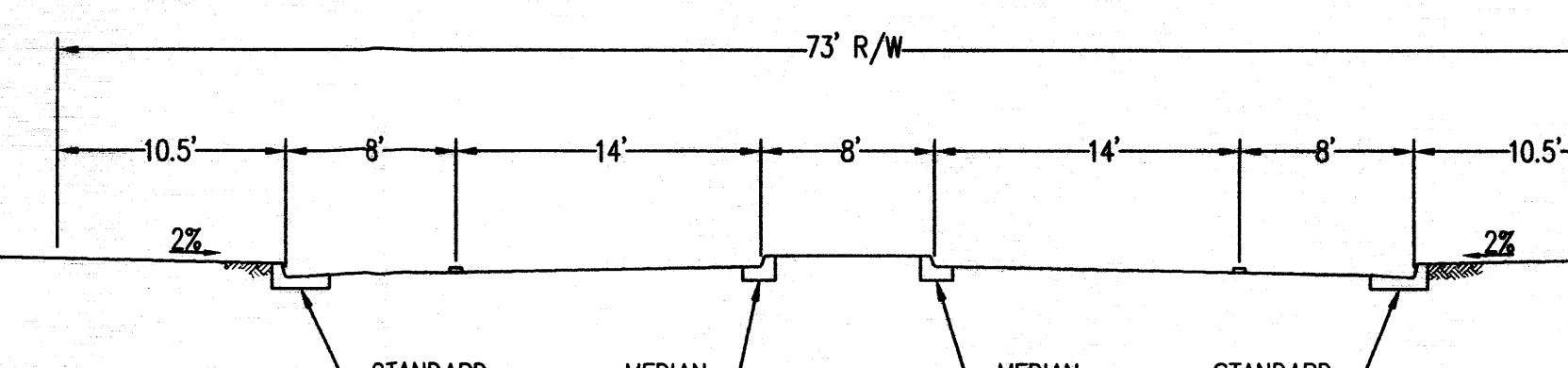
STREET SECTION A-A  
NOT TO SCALE



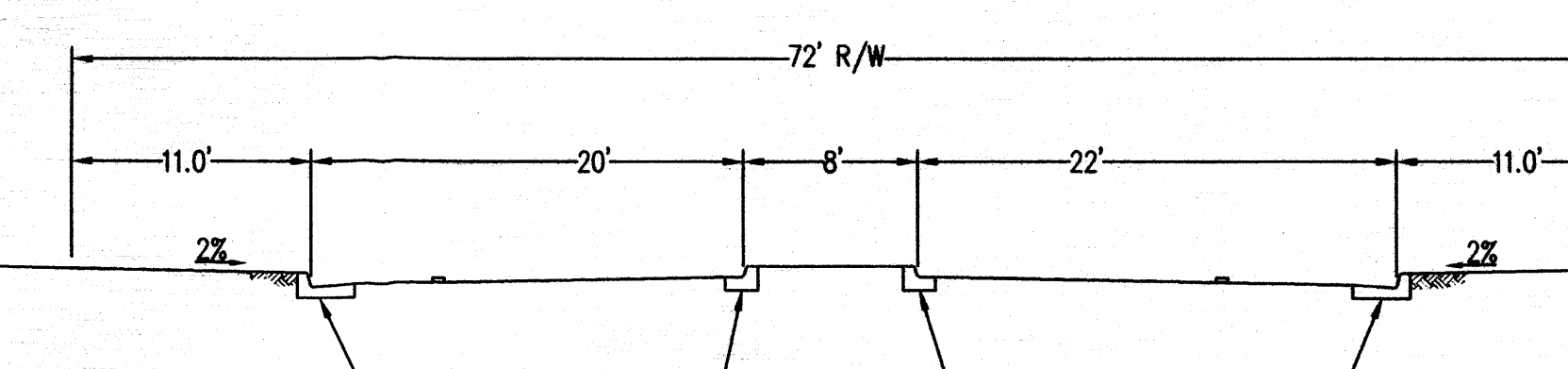
STREET SECTION B-B  
NOT TO SCALE



STREET SECTION C-C  
NOT TO SCALE



STREET SECTION D-D  
NOT TO SCALE



STREET SECTION E-E  
NOT TO SCALE

| Curve Data |           |         |          |          |          |
|------------|-----------|---------|----------|----------|----------|
| ID         | DELTA     | TANGENT | ARC      | RADIUS   | CHORD    |
| C1         | 21°20'26" | 536.61' | 1060.78' | 2848.00' | 1054.66' |
| C2         | 06°41'04" | 173.09' | 345.79'  | 2964.00' | 345.60'  |
| C3         | 63°53'55" | 486.13' | 869.33'  | 779.50'  | 824.98'  |
| C4         | 17°17'45" | 109.58' | 217.50'  | 720.50'  | 216.67'  |

| Tangent Data |             |          |
|--------------|-------------|----------|
| ID           | BEARING     | DISTANCE |
| T1           | S64°12'51"W | 46.91'   |
| T2           | N70°45'54"W | 75.52'   |
| T3           | N28°47'32"W | 113.85'  |
| T4           | N13°29'28"W | 106.12'  |
| T5           | N52°48'51"W | 54.87'   |

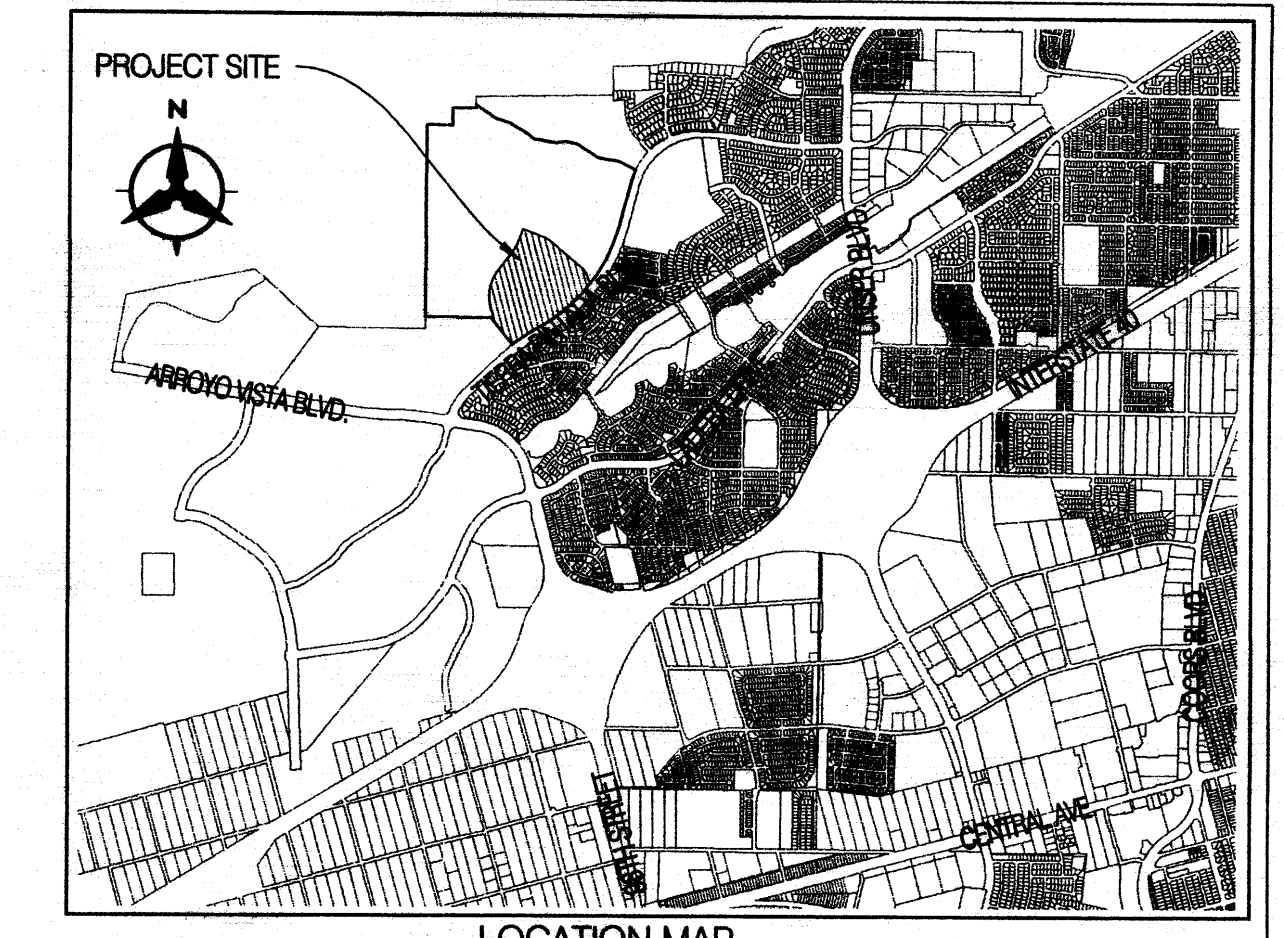
SHEET 2 of 2

Bohannon & Huston  
www.bhinc.com 800.877.5332



PRELIMINARY PLAT  
PULTE @ MIREHAVEN PHASE 2  
(REPLAT OF TRACT N-2-D)  
ALBUQUERQUE, NEW MEXICO  
OCTOBER, 2015

Plat is located within Town of Atrisco Grant, projected Sections 8 & 9, Township 10 North, Range 2 East, New Mexico Principal Meridian, City of Albuquerque, Bernalillo County, New Mexico.



LOCATION MAP  
SCALE: 1"=300'  
Zone Atlas Index Number: H-8 & H-9.

SURVEY NOTES:

1. UNLESS OTHERWISE NOTED, ALL BOUNDARY CORNERS SHOWN THUS (●) SHALL BE MARKED BY A #5 REBAR STAMPED "GROMATZKY, PS 16469".
2. ALL STREET CENTERLINE MONUMENTATION SHALL BE INSTALLED AT ALL CENTERLINE PC'S, PT'S, ANGLE POINTS AND STREET INTERSECTIONS AND SHOWN THUS (▲) WILL BE MARKED BY A FOUR (4") ALUMINUM CAP STAMPED "CITY OF ALBUQUERQUE CENTERLINE MONUMENTATION MARKED. DO NOT DISTURB, P.L.S. 16469".
3. THE SUBDIVISION BOUNDARY WILL BE TIED TO THE NEW MEXICO STATE PLANE COORDINATE SYSTEM AS SHOWN.
4. BASIS OF BEARINGS WILL BE NEW MEXICO STATE PLANE GRID BEARINGS.
5. DISTANCES SHALL BE GROUND DISTANCES.
6. MANHOLES WILL BE OFFSET AT ALL POINTS OF CURVATURE POINTS OF TANGENCY, STREET INTERSECTIONS AND ALL OTHER ANGLE POINTS TO ALLOW THE USE OF CENTERLINE MONUMENTATION.

APPROVED FOR MONUMENTATION AND STREET NAMES

*Soren M. Rainwater* PS. 10/6/15  
CITY SURVEYOR DATE

OWNER:

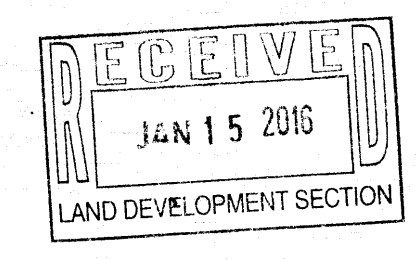
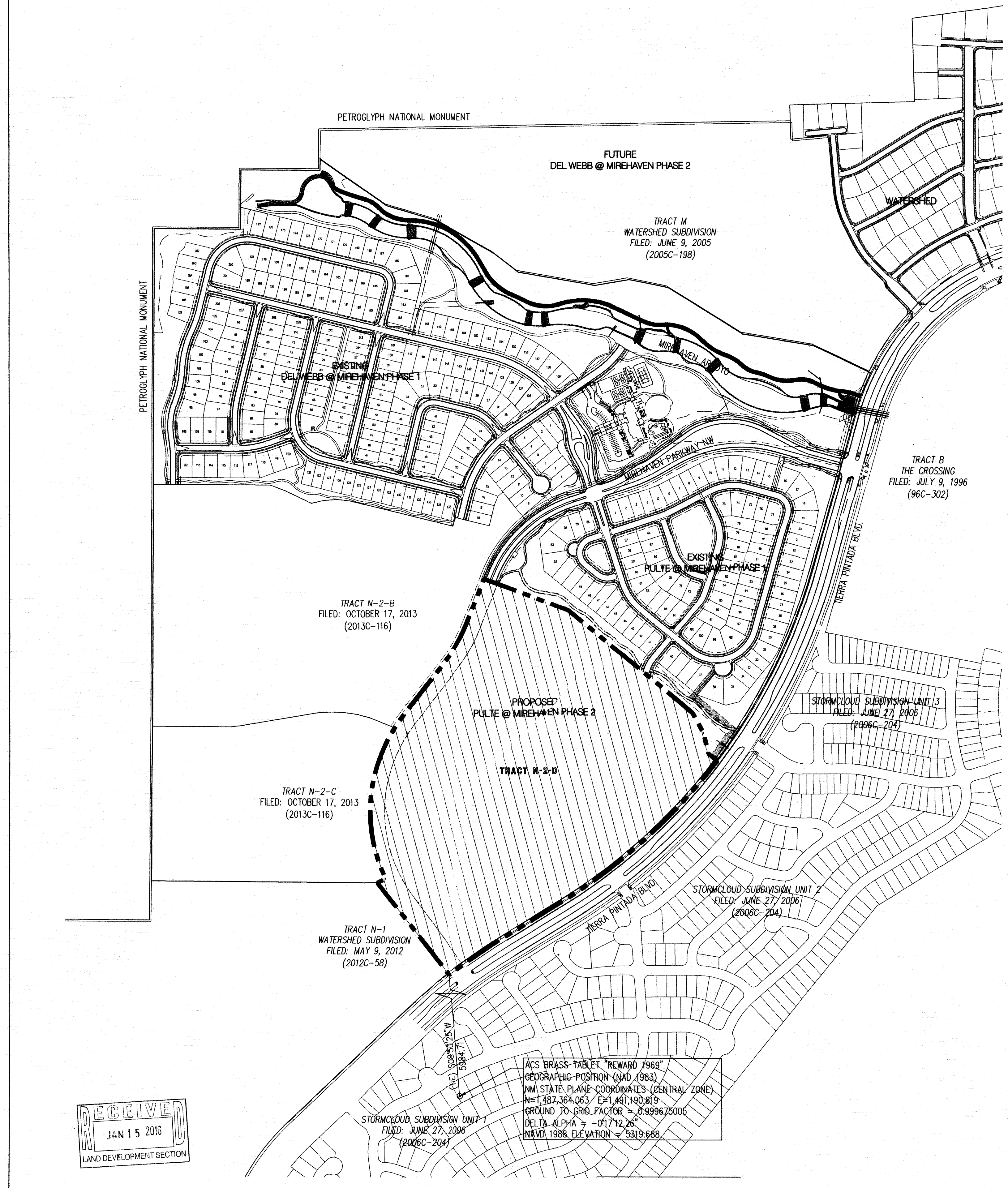
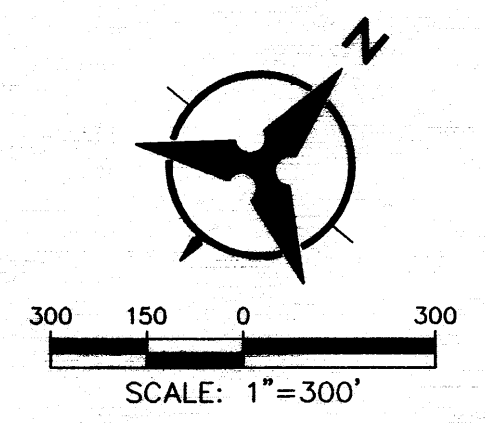
WESTERN ALBUQUERQUE LAND HOLDINGS LLC, A DELAWARE LIMITED LIABILITY COMPANY  
BY: *GARRETT DEVELOPMENT CORPORATION, AGENT*

BY: *Ted E. Garrett*  
**TED E. GARRETT**  
VICE PRESIDENT

DATE: *OCTOBER 7, 2015*

LEGEND

- SUBDIVISION BOUNDARY LINE
- TRACT LINE
- ADJOINING PROPERTY LINE
- - - EXISTING EASEMENT
- ▨ PROJECT SITE



ACS BRASS TABLET "REWARD 1969"  
GEOGRAPHIC POSITION (NAD 1983)  
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