



GENERAL NOTES:

1. THE CONTRACTOR SHALL NOTIFY THE ALBUQUERQUE TRAFFIC ENGINEERING DIVISION THREE (3) WORKING DAYS IN ADVANCE OF ANY WORK REQUIRED REGARDING ALL EXISTING REGULATORY SIGNS AND SIGNALS THAT NEED TO BE REMOVED, RELOCATED, OR REINSTALLED. CALL 857-8680. REFER TO SECTION 18.4.4 OF THE SPECIFICATIONS.

2. THE CONTRACTOR WILL BE REQUIRED TO CONFINЕ HIS WORK WITHIN THE CONSTRUCTION LIMITS AND/OR R.O.W. TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAY OPENINGS OR DESIGNATED TRAFFIC LANES.

3. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELING PEDESTRIAN TRAFFIC AROUND ALL WORK AREAS THROUGHOUT THE CONSTRUCTION PERIOD.

4. A DISPOSAL SITE, COMPLYING WITH ALL CITY ORDINANCES, SHALL BE OBTAINED BY THE CONTRACTOR FOR THE DISPOSAL OF ALL EXCESS EXCAVATION MATERIAL, ASPHALTIC PAVEMENT (EXCEPT MILLED BITUMINOUS CONCRETE PAVEMENT) AND OTHER WASTE MATERIALS. THE CONTRACTOR SHALL NOTIFY THE CITY OF ALBUQUERQUE OF THE LOCATION OF THE DISPOSAL SITE PRIOR TO THE REMOVAL AND ACTUAL DISPOSAL OF THE MATERIAL. ALL COSTS IN OBTAINING A DISPOSAL SITE AND HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO DIRECT PAYMENT WILL BE MADE THEREFOR.

5. CONTRACTOR TO CAREFULLY FIELD REVIEW SITE TO ASSESS EXTENT OF TRASH REMOVAL. TRASH REMOVAL SHALL BE INCLUDED IN BID ITEM "CLEARING & GRUBBING".

6. ALL VALLEY GUTTERS ARE 6' WIDE UNLESS OTHERWISE NOTED.

7. UNLESS OTHERWISE SHOWN, ALL DIMENSIONS ARE TO FACE OF CURB, INCLUDING RADII OF CURB RETURNS.

8. ALL FINISHED GRADES AND PROFILES SHOWN ARE FLOWLINE GRADES, UNLESS OTHERWISE NOTED.

9. CURB AND GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED PER STD DWG 2415 BY THE CONTRACTOR AT HIS EXPENSE.

10. WHEN REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK IS REQUIRED, REMOVE TO NEAREST JOINT.

11. WHEN ABUTTING NEW PAVEMENT TO EXISTING PAVEMENT, SAW CUT EXISTING PAVEMENT IN A STRAIGHT LINE AS REQUIRED TO REMOVE ANY BROKEN OR CRACKED PAVEMENT. PRIOR TO LAYING NEW PAVEMENT, THE EXPOSED EXISTING ASPHALT EDGE SHALL BE TACK-COATED.

12. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED AT ALL CURB RETURNS CONSTRUCTED WITH THIS PROJECT AT THE LOCATIONS SHOWN ON PLANS, IN ACCORDANCE WITH THE CITY STANDARD DETAILS.

13. ALL WHEELCHAIR RAMP APPROACH SLOPES SHOWN ON STD DWG 2441 SHALL BE INCREASED IN LENGTH TO MAINTAIN 12:1 MAX SLOPE WHEN GRADE IS RISING FROM RAMP. SEE TABLE BELOW.

| RIISING GRADE | RAMP LENGTH |
|---------------|-------------|
| 0%            | 8.1'        |
| 0-1%          | 9.2'        |
| 1-2%          | 10.6'       |
| 2-3%          | 12.6'       |
| 3-4%          | 15.5'       |

14. CONTRACTOR IS TO EXERCISE DUE CARE TO AVOID DISTURBING ANY EXISTING UTILITIES. IT SHALL BE HIS RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION THAT MIGHT RESULT FROM PROJECT CONSTRUCTION. IT SHALL BE HIS RESPONSIBILITY TO PROTECT AND PRESERVE UTILITY EQUIPMENT AFFECTED BY PROJECT CONSTRUCTION. SHOULD HE BREAK AN EXISTING UTILITY LINE DURING CONSTRUCTION ACTIVITIES HE SHALL BE RESPONSIBLE FOR UTILITY REPAIR COSTS.

15. ALL EXISTING UTILITIES SHOWN HEREIN WERE TAKEN FROM RECORD DRAWINGS, POTHOLES, FIELD SURVEYS, C.O.A. SYSTEMS UTILITIES MAPS AND INFORMATION PROVIDED BY THE UTILITY OWNERS AND ARE APPROXIMATE. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THEIR HORIZONTAL AND VERTICAL LOCATIONS AND PROVIDE PROTECTION FOR ALL UTILITIES WITHIN THE CONSTRUCTION AREA.

16. CONTRACTOR SHALL FIELD VERIFY LOCATION AND TYPE OF EXISTING UTILITIES TO BE ADJUSTED OR EXTENDED.

17. MANHOLE RIM ELEVATIONS SHOWN ON THESE PLANS ARE APPROXIMATE AND WILL VARY WITH THE FINISHED PAVEMENT ELEVATIONS.

18. CONTRACTOR TO VERIFY ALL EXISTING FIRE HYDRANT FLANGES, PADS, VALVE BOXES, MANHOLE RIMS AND TOP OF PIPE ELEVATIONS IN THE FIELD. ELEVATIONS SHALL BE ADJUSTED TO COMPLY WITH THE REQUIREMENTS OF STANDARD CITY DETAILS.

19. ELEVATIONS FOR PROPOSED WATERLINE CONNECTIONS TO EXISTING WATERLINES SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.

20. ALL WATER VALVE BOXES AND SEWER MANHOLES IN THE CONSTRUCTION AREA ARE TO BE ADJUSTED TO FINISH GRADE UNDER THIS CONTRACT, AND WILL BE PAID FOR AT CONTRACT UNIT PRICES.

21. THE CONTRACTOR SHALL NOTIFY THE LOCAL FIRE DEPARTMENT AT LEAST TWO (2) WORKING DAYS IN ADVANCE OF WHEN FIRE HYDRANTS WILL BE TAKEN OUT OF SERVICE AND RETURNED TO SERVICE.

22. ALL WATER SERVICES LISTED AS "DOUBLE" REFER TO DOUBLE METER BOX. A SEPARATE SERVICE LINE TO EACH METER IS REQUIRED. REFERENCE C.O.A. STD. DRAWINGS 2361, 2362.

23. ALL EXISTING GAS VALVE BOXES, GAS MANHOLES, ELECTRICAL MANHOLES, AND TELEPHONE MANHOLES WILL BE ADJUSTED TO GRADE BY OTHERS.

24. WHERE PULL BOXES ABUT BACK OF CURB OR ARE LOCATED IN A CONCRETE PAVED AREA, PROVIDE 3/4" EXPANSION MATERIAL AROUND THE PULL BOX. ALL PULL BOXES TO BE FLUSH WITH SURFACE OF CONCRETE.

25. THE CONTRACTOR SHALL MEET ALL THE REQUIREMENTS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) AS WELL AS LOCAL REGULATIONS.

26. THE CONTRACTOR SHALL COORDINATE WITH PRIVATE UTILITY ENTITIES AS NEEDED FOR RELOCATION AND INSTALLATION OF PRIVATE UTILITIES. ENGINEER HAS NOTIFIED THE PRIVATE UTILITIES OF THIS PROJECT.

27. TEMPORARY EROSION FENCING (OR PERMANENT WALLS OR FENCING) SHALL BE USED TO PROTECT EXISTING RESIDENTIAL PROPERTY, STREETS LANDSCAPING AND THE DRAINAGE SYSTEMS FROM THE DEPOSITION OF ERODED MATERIAL.

28. CONSTRUCTION AREA SHALL BE CONTROLLED TO PREVENT TRESPASS USE BY 4WD'S, ORV'S AND MOTORCYCLES TO MINIMIZE NOISE, DUST, DESTRUCTION OF VEGETATION, WIND AND WATER EROSION.

29. PROPOSED WATERLINE INSTALLATION SHALL HAVE RESTRAINED JOINTS AT ALL WATERLINE VALVES, TEES, CROSSES, BENDS, AND FIRE HYDRANTS, UNLESS OTHERWISE NOTED. SEE "THRUST RESTRAINT REQUIREMENTS" BELOW.

30. CONSTRUCTION ACCESS SHALL BE TAKEN FROM 8TH STREET. ACCESS TO THE SITE VIA 10TH STREET WILL BE ALLOWED ON A CASE BY CASE BASIS.

31. THE CONTRACTOR WILL BE RESPONSIBLE FOR ELECTRICAL SERVICE BEGINNING AT THE TRANSFORMER AND CONTINUING INTO THE SITE.

32. THE OVER EXCAVATION OF THE PROPOSED BUILDING IS INCIDENTAL TO THE COST OF THE BUILDING.

33. ALL UTILITY RELATED FEES FOR NEW SERVICE TO THE PROJECT WILL BE PAID BY THE CITY OF ALBUQUERQUE DIRECTLY TO THE ALBUQUERQUE BERNALLILO COUNTY WATER UTILITY AUTHORITY.

34. THE BORROW BID ITEM WILL BE MEASURED ON SITE IN PLACE PRIOR TO ANY WORK VIA PRE AN POST PLACEMENT SURVEYS OF THE PROJECT AREA.

UTILITY CONTACTS

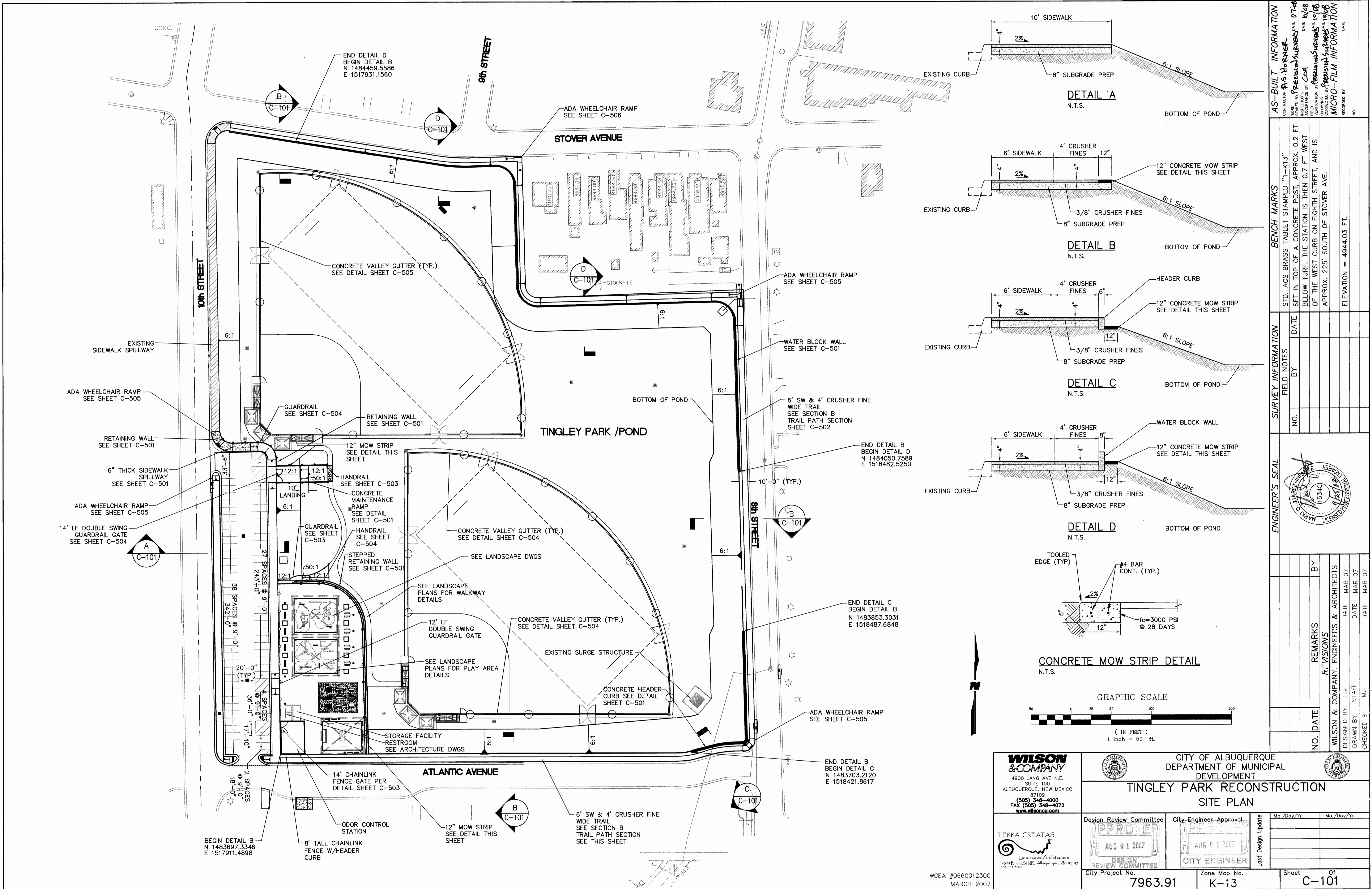
| COMPANY             | PHONE    | MOBILE | CONTACT         |
|---------------------|----------|--------|-----------------|
| CITY of ALBUQUERQUE | 768-2729 |        | NANCY MUSINSKI  |
| PNM - ELECTRIC      | 241-3398 |        | ART CHAVEZ      |
| PNM - GAS           | 241-7771 |        | JOE DUNLOP      |
| QWEST               | 245-6374 |        | ROSA KNIFFIN    |
| COMCAST             | 761-6221 |        | ROBERT MARTINEZ |

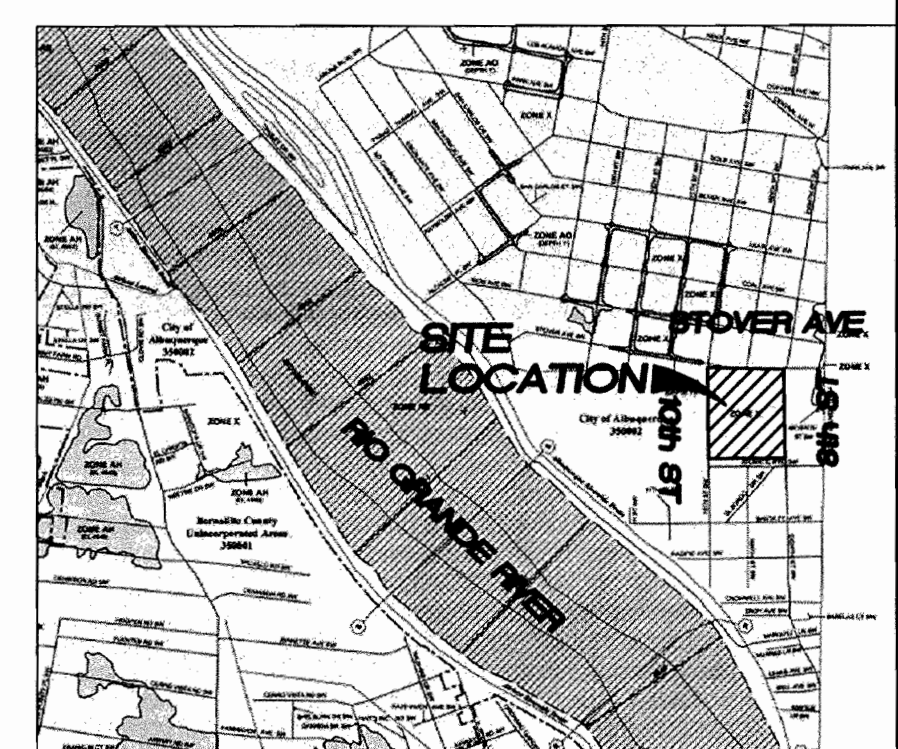
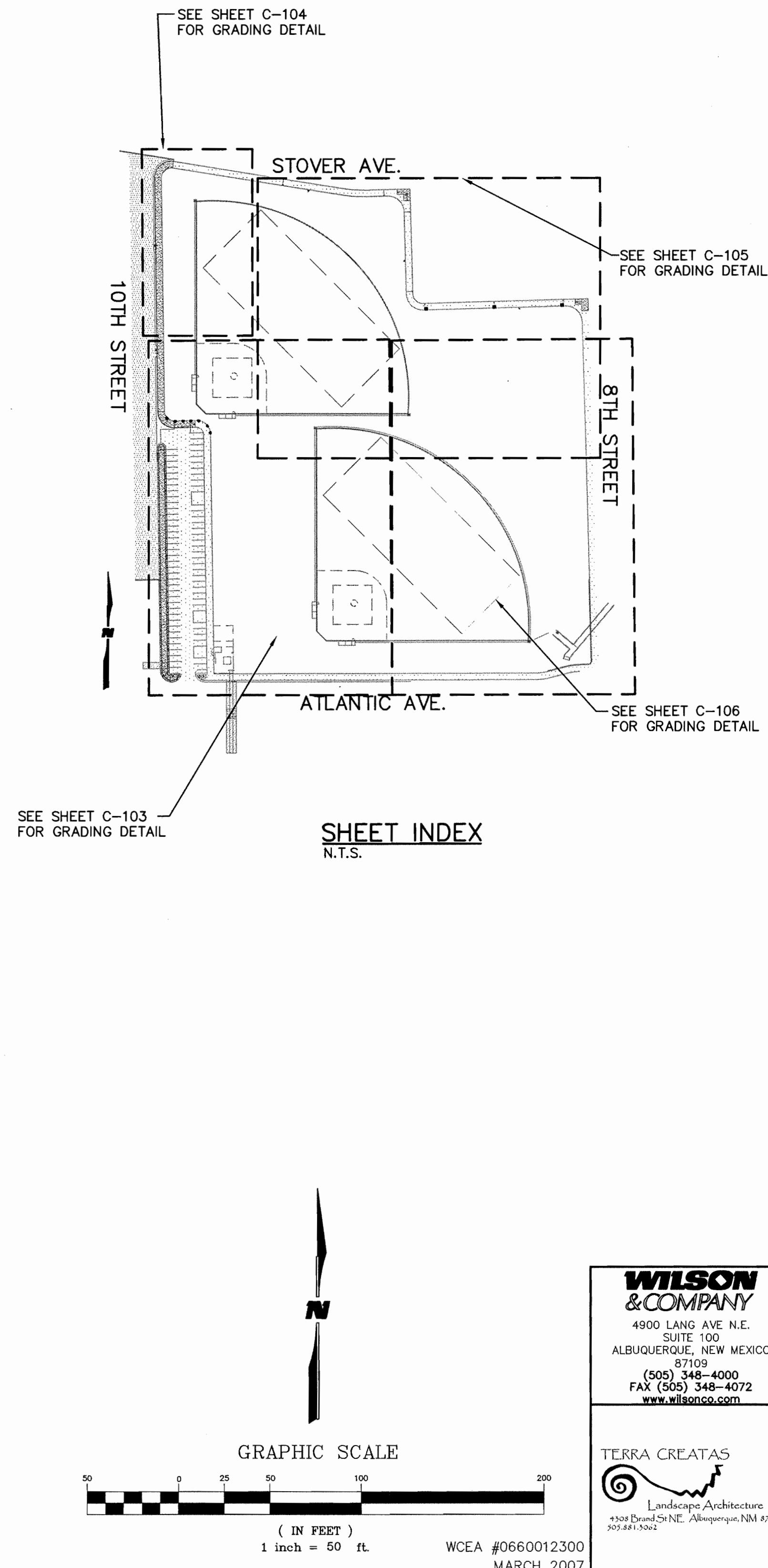
LEGEND

|  |                                 |
|--|---------------------------------|
|  | PAVED ROAD                      |
|  | UNPAVED ROAD                    |
|  | TRAIL                           |
|  | FENCE                           |
|  | BUILDING                        |
|  | LIGHT POLE                      |
|  | UTILITY POLES                   |
|  | GUY WIRE                        |
|  | TREE                            |
|  | TREE                            |
|  | TREE                            |
|  | TREE & BRUSH LINE               |
|  | MANHOLE                         |
|  | FIRE HYDRANT                    |
|  | VAULT                           |
|  | BLOW-OFF VALVE                  |
|  | WATER VALVE                     |
|  | WATER METER                     |
|  | FIRE HYDRANT                    |
|  | SPRINKLER CONTROL BOX           |
|  | ELECTRICAL, PULL BOX            |
|  | ELECTRICAL, JUNCTION BOX        |
|  | UTILITY, SANITARY MANHOLE       |
|  | UTILITY, STORM DRAINAGE MANHOLE |
|  | UTILITY, UNKNOWN MANHOLE        |
|  | TV PEDESTAL                     |
|  | TELEPHONE PEDESTAL              |
|  | PROPERTY CORNER, EXISTING       |
|  | TRAFFIC SIGNAL                  |
|  | WATER LINE, UNDERGROUND         |
|  | GAS LINE, UNDERGROUND           |
|  | TELEVISION LINE, UNDERGROUND    |
|  | ELECTRIC LINE, UNDERGROUND      |
|  | AREA OF DEMOLITION              |
|  | PROPOSED CONCRETE               |
|  | PROPOSED ASPHALT                |
|  | PROPOSED SEAL COAT              |
|  | PROPOSED RETAINING WALL         |
|  | PROPOSED RIDGE LINE             |
|  | CRUSHER FINES                   |

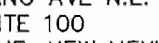
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|---------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------|--|-----------------|--|
| AS-BUILT INFORMATION            |  | BENCH MARKS                                                                                                                                                           |  | SURVEY INFORMATION |  | ENGINEER'S SEAL |  |
| CONTRACTOR: A.S. HERNANDEZ      |  | STD. ACS BRASS TABLET STAMPED "1-K13"                                                                                                                                 |  | FIELD NOTES        |  |                 |  |
| SWORN BY: A.S. HERNANDEZ        |  | SET IN TOP OF A CONCRETE POST, APPROX. 0.2 FT BELOW TURF. THE STATION IS THEN 0.7 FT WEST OF THE WEST CURB ON EIGHTH STREET, AND IS APPROX. 225' SOUTH OF STOVER AVE. |  | DATE               |  |                 |  |
| INSPECTOR'S: A.S. HERNANDEZ     |  | APPROX. 225' SOUTH OF STOVER AVE.                                                                                                                                     |  | BY                 |  |                 |  |
| VERIFICATION BY: A.S. HERNANDEZ |  | ELEVATION = 4944.03 FT.                                                                                                                                               |  | NO.                |  |                 |  |
| MICRO-FILM INFORMATION          |  |                                                                                                                                                                       |  |                    |  |                 |  |
| RECORDED BY                     |  |                                                                                                                                                                       |  |                    |  |                 |  |
| NO.                             |  |                                                                                                                                                                       |  |                    |  |                 |  |

|                                                                                                                                                       |                                                            |                                                   |                |             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------|----------------|-------------|
| <br>WILSON & COMPANY<br>4900 LANG AVE. N.E.<br>SUITE 100<br>ALBUQUERQUE, NEW MEXICO 87109<br>(505) 348-4000<br>FAX (505) 348-4072<br>www.wilsonco.com | CITY OF ALBUQUERQUE<br>DEPARTMENT OF MUNICIPAL DEVELOPMENT |                                                   |                |             |
|                                                                                                                                                       | TINGLEY PARK RECONSTRUCTION<br>GENERAL NOTES               |                                                   |                |             |
|                                                                                                                                                       | Design Review Committee<br>APPROVED<br>AUG 24 2007         | City Engineer Approval<br>APPROVED<br>AUG 24 2007 | Mo./Day/Yr.    | Mo./Day/Yr. |
|                                                                                                                                                       | City Project No.<br>7963.91                                | Zone Map No.<br>K-13                              | Sheet<br>G-002 | Of          |

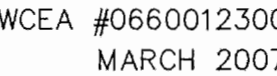




LEGAL DESCRIPTION  
032 HUNNING CASTLE ADDITION  
LOT 10, BLOCK 3 REALTY SALES  
1ST CO ADDITION  
  
LOT 111B, BLOCK 3 REALTY SALES  
1ST CO ADDITION

|                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                       |                      |                                                             |                           |                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------|---------------------------|-------------------------------------------------------|
| <br><b>WILSON &amp; COMPANY</b><br>4900 LANG AVE N.E.<br>SUITE 100<br>ALBUQUERQUE, NEW MEXICO 87109<br>(505) 348-4000<br>FAX (505) 348-4072<br><a href="http://www.wilsonco.com">www.wilsonco.com</a> | <br><b>CITY OF ALBUQUERQUE</b><br>DEPARTMENT OF MUNICIPAL DEVELOPMENT                                                                                             | <br><b>CITY OF ALBUQUERQUE</b><br>DEPARTMENT OF MUNICIPAL DEVELOPMENT<br><h2 style="margin: 0;">TINGLEY PARK RECONSTRUCTION</h2> <h3 style="margin: 0;">OVERALL GRADING &amp; DRAINAGE PLAN</h3> |                      |                                                             |                           |                                                       |
| <p><b>TERRA CREATAS</b></p>  <p style="text-align: center;">Landscape Architecture<br/>         1508 Broad St. N.E., Albuquerque, NM 87109<br/>         505.481.5302</p>                              | <p><b>Design Review Committee</b></p> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <br/>         DESIGN REVIEW COMMITTEE       </div> | <p><b>City Engineer Approval</b></p> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <br/>         CITY ENGINEER       </div>                                           | <p><b>Update</b></p> | <p><b>Mo./Day/Yr.</b></p>                                   | <p><b>Mo./Day/Yr.</b></p> |                                                       |
|                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                        | <p><b>City Project No.</b></p> <h1 style="margin: 0;">7963.91</h1>                                                                                                                                                                                                                    |                      | <p><b>Zone Map No.</b></p> <h1 style="margin: 0;">K-13</h1> |                           | <p><b>Sheet</b></p> <h1 style="margin: 0;">C-102</h1> |

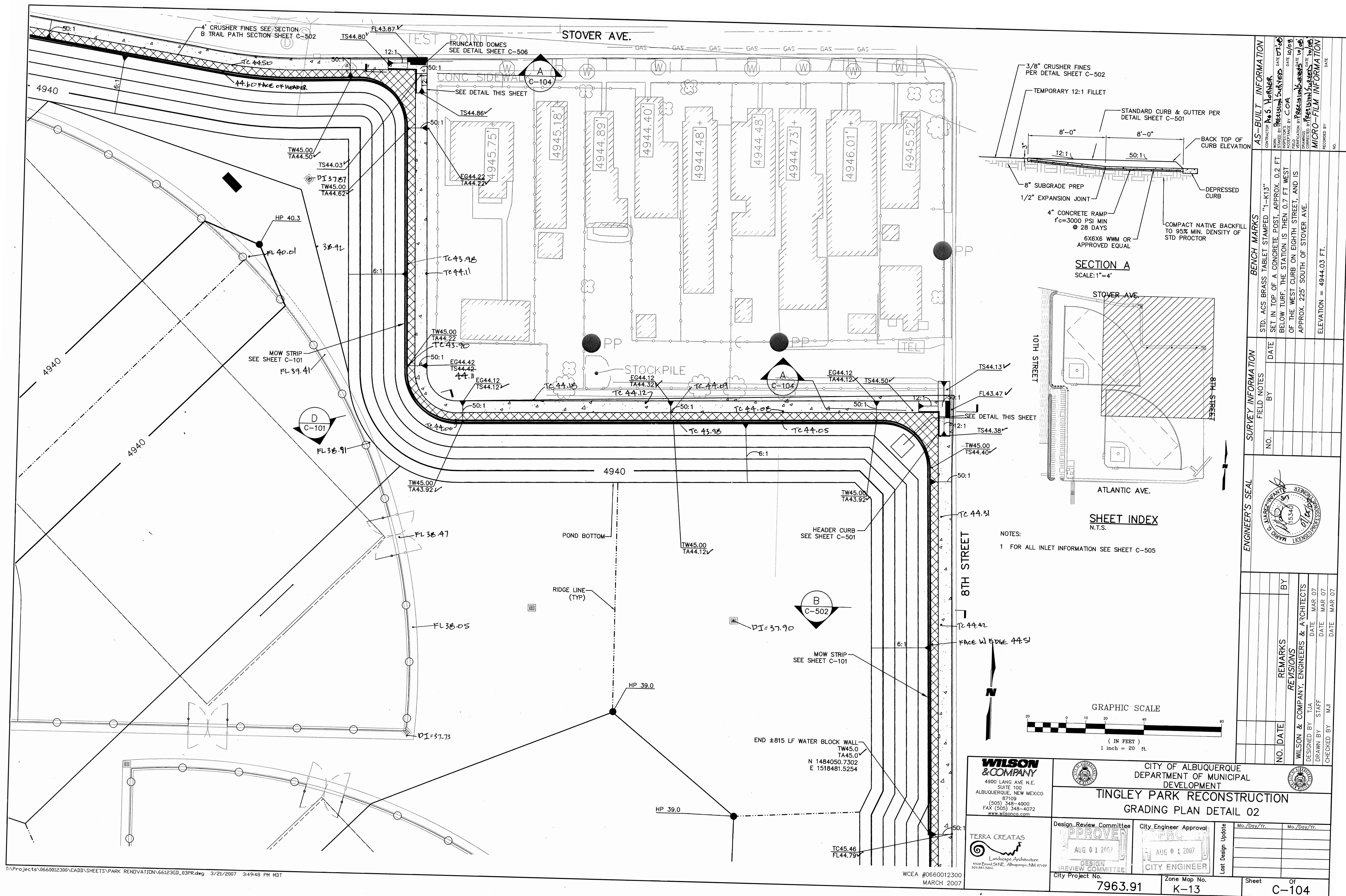
| ENGINEER'S SEAL                                                                      |       | SURVEY INFORMATION |        | BENCH MARKS                                                                                                                                                                                                                                        |  | AS-BUILT INFORMATION                                                                                                                                                                                                                                                                                                                                                              |  |
|--------------------------------------------------------------------------------------|-------|--------------------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|  |       | FIELD NOTES        |        | STD. ACS BRASS TABLET STAMPED "1-113"<br>SET IN TOP OF A CONCRETE POST, APPROX. 0.2 FT<br>BELOW TURF. THE STATION IS THEN 0.7 FT WEST<br>OF THE WEST CURB ON EIGHTH STREET, AND IS<br>APPROX. 225' SOUTH OF STOVER AVE.<br>ELEVATION = 4944.03 FT. |  | CONTRACTOR: <b>A.S. HOBBS</b><br>WORK<br>STARTED BY: <b>PERCEVAL SANCHEZ</b> DATE: <b>07-14-08</b><br>FIELD ACCEPTANCE BY: <b>COA</b> DATE: <b>10-08</b><br>FIELD LOCATION BY: <b>PERCEVAL SANCHEZ</b> DATE: <b>10-08</b><br>DRAWINGS<br>CORRECTED BY: <b>PERCEVAL SANCHEZ</b> DATE: <b>10-08</b><br><b>MICRO-FILM INFORMATION</b><br>RECORDED BY: _____ DATE: _____<br>NO. _____ |  |
|                                                                                      |       | NO.                | BY     |                                                                                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                   |  |
| REVISIONS                                                                            |       |                    |        |                                                                                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                   |  |
| WILSON & COMPANY, ENGINEERS & ARCHITECTS                                             |       |                    |        |                                                                                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                   |  |
| DESIGNED BY                                                                          | TJA   | DATE               | MAR 07 |                                                                                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                   |  |
| DRAWN BY                                                                             | STAFF | DATE               | MAR 07 |                                                                                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                   |  |
| CHECKED BY                                                                           | MJI   | DATE               | MAR 07 |                                                                                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                   |  |

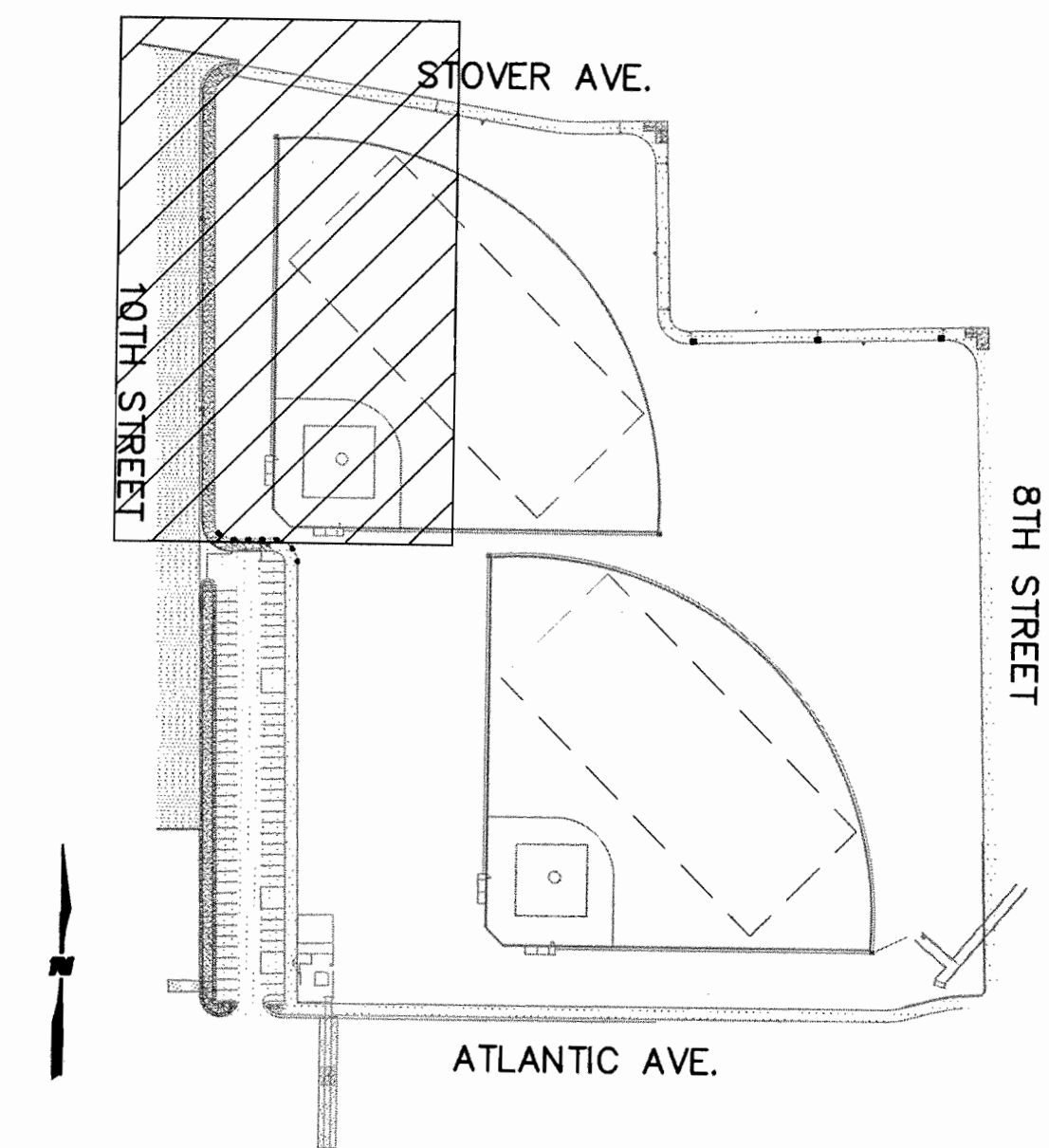


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|---------------------------------------------------------------------------------|--|-------|--|------|--|--------|--|--|--|--------------------------------------------------------------------------------------|--|--|--|--|--|--|--|------------------------------------------|--|-----------------|--|--------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------|--|--|--|----------------------|--|--|--|
| CITY OF CHICAGO<br>DEPARTMENT OF PUBLIC WORKS<br>DIVISION OF STREET ENGINEERING |  |       |  |      |  |        |  |  |  |  |  |  |  |  |  |  |  |                                          |  | ENGINEER'S SEAL |  | SURVEY INFORMATION |  |                                                                                                                                                                       |  | BENCH MARKS                                  |  |  |  | AS-BUILT INFORMATION |  |  |  |
| PROJECT NO.                                                                     |  |       |  |      |  |        |  |  |  |                                                                                      |  |  |  |  |  |  |  | FIELD NOTES                              |  | BY              |  | DATE               |  | STD. ACS BRASS TABLET STAMPED "1-K13"                                                                                                                                 |  | CONTRACTOR <u>A.S. Horkner</u>               |  |  |  |                      |  |  |  |
| SHEET NO.                                                                       |  |       |  |      |  |        |  |  |  |                                                                                      |  |  |  |  |  |  |  | NO.                                      |  |                 |  |                    |  | SET IN TOP OF A CONCRETE POST, APPROX. 0.2 FT BELOW TURF. THE STATION IS THEN 0.7 FT WEST OF THE WEST CURB ON EIGHTH STREET, AND IS APPROX. 225' SOUTH OF STOVER AVE. |  | INSPECTED BY <u>PREVIOUS SURVEYS 10/1-06</u> |  |  |  |                      |  |  |  |
| DATE                                                                            |  |       |  |      |  |        |  |  |  |                                                                                      |  |  |  |  |  |  |  | REMARKS                                  |  | BY              |  |                    |  | FIELD VERIFICATION BY <u>COA</u>                                                                                                                                      |  | DATE <u>10/08</u>                            |  |  |  |                      |  |  |  |
| REVISIONS                                                                       |  |       |  |      |  |        |  |  |  |                                                                                      |  |  |  |  |  |  |  | WILSON & COMPANY, ENGINEERS & ARCHITECTS |  |                 |  |                    |  | FIELD VERIFICATION BY <u>PREVIOUS SURVEYS 10/1-06</u>                                                                                                                 |  | DATE <u>10/08</u>                            |  |  |  |                      |  |  |  |
| DESIGNED BY                                                                     |  | TJA   |  | DATE |  | MAR 07 |  |  |  |                                                                                      |  |  |  |  |  |  |  |                                          |  |                 |  |                    |  | CORRECTED BY <u>PREVIOUS SURVEYS 10/1-06</u>                                                                                                                          |  | DATE <u>10/08</u>                            |  |  |  |                      |  |  |  |
| DRAWN BY                                                                        |  | STAFF |  | DATE |  | MAR 07 |  |  |  |                                                                                      |  |  |  |  |  |  |  |                                          |  |                 |  |                    |  | MICRO-FILM INFORMATION                                                                                                                                                |  | DATE                                         |  |  |  |                      |  |  |  |
| CHECKED BY                                                                      |  | MJJ   |  | DATE |  | MAR 07 |  |  |  |                                                                                      |  |  |  |  |  |  |  |                                          |  |                 |  |                    |  | RECORDED BY                                                                                                                                                           |  | DATE                                         |  |  |  |                      |  |  |  |
| DATE                                                                            |  |       |  |      |  |        |  |  |  |                                                                                      |  |  |  |  |  |  |  |                                          |  |                 |  |                    |  | ELEVATION = 4944.03 FT.                                                                                                                                               |  | NO.                                          |  |  |  |                      |  |  |  |
| Mo./Day/Yr.                                                                     |  |       |  |      |  |        |  |  |  |                                                                                      |  |  |  |  |  |  |  |                                          |  |                 |  |                    |  |                                                                                                                                                                       |  |                                              |  |  |  |                      |  |  |  |
| Mo./Day/Yr.                                                                     |  |       |  |      |  |        |  |  |  |                                                                                      |  |  |  |  |  |  |  |                                          |  |                 |  |                    |  |                                                                                                                                                                       |  |                                              |  |  |  |                      |  |  |  |

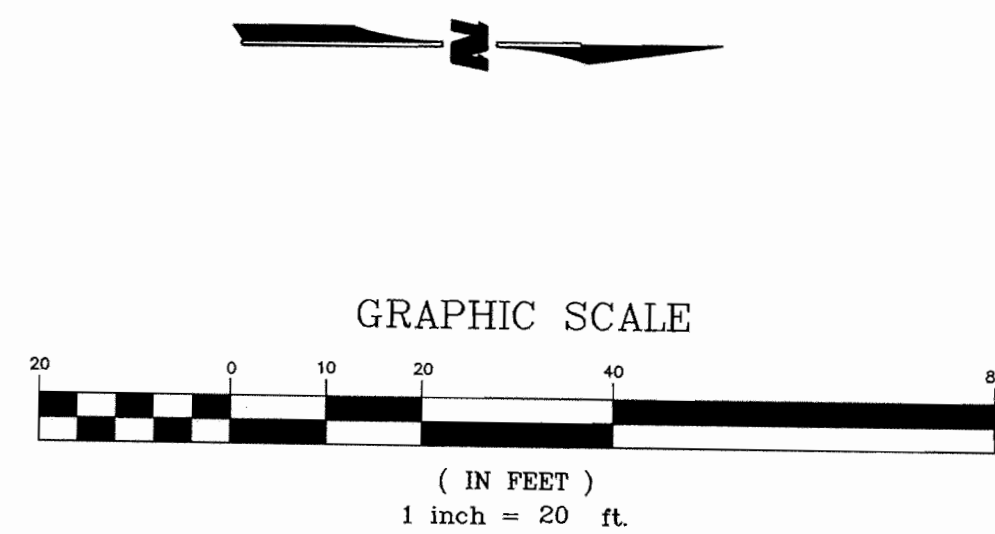
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C-103

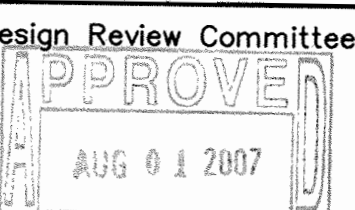
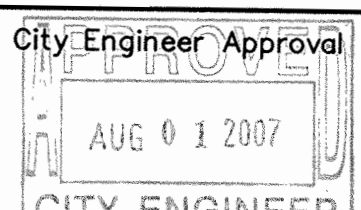




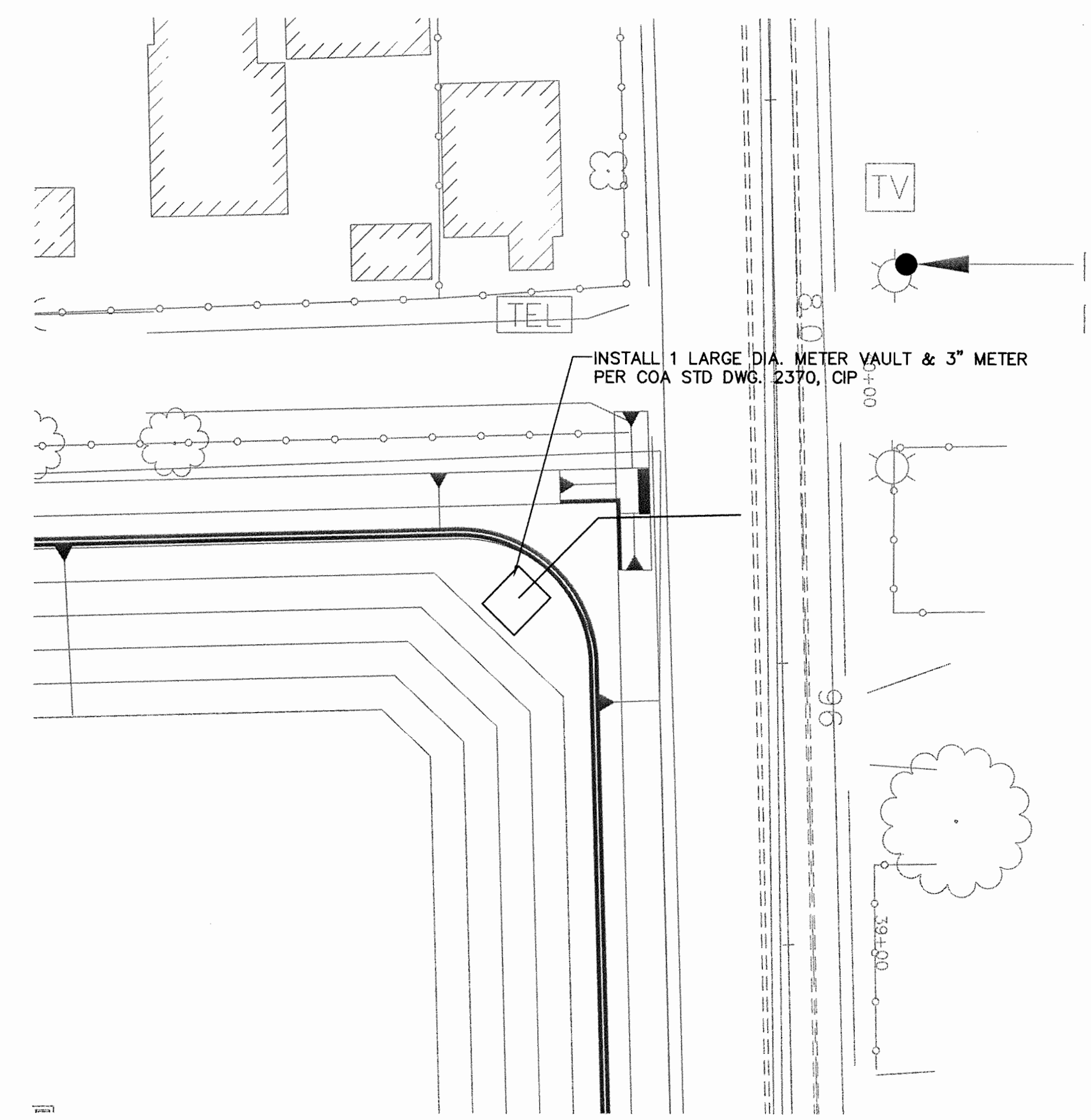
SHEET INDEX  
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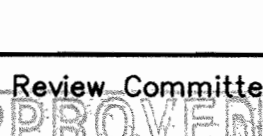
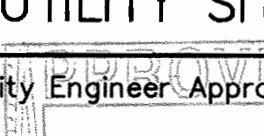


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|  |  |  |  | ENGINEER'S SEAL                                                                       |  | SURVEY INFORMATION |  | BENCH MARKS                           |  | AS-BUILT INFORMATION                           |  |
|  |  |  |  |  |  | FIELD NOTES        |  | STD. ACS BRASS TABLET STAMPED "1-K13" |  | CONTRACTOR <u>A.S. Warner</u>                  |  |
|  |  |  |  |                                                                                       |  | NO.                |  | BY DATE                               |  | DATE STAMPED BY <u>Professional Surveyor</u>   |  |
|  |  |  |  |                                                                                       |  |                    |  |                                       |  | INSPECTOR'S DATE <u>10/6/20</u>                |  |
|  |  |  |  |                                                                                       |  |                    |  |                                       |  | FIELD DRAWN BY <u>COA</u>                      |  |
|  |  |  |  |                                                                                       |  |                    |  |                                       |  | DATE OF THE WEST CURB ON EIGHTH STREET, AND IS |  |
|  |  |  |  |                                                                                       |  |                    |  |                                       |  | APPROX. 225' SOUTH OF STOVER AVE.              |  |
|  |  |  |  |                                                                                       |  |                    |  |                                       |  | DATE OF THE WEST CURB ON EIGHTH STREET, AND IS |  |
|  |  |  |  |                                                                                       |  |                    |  |                                       |  | APPROX. 225' SOUTH OF STOVER AVE.              |  |
|  |  |  |  |                                                                                       |  |                    |  |                                       |  | DATE OF THE WEST CURB ON EIGHTH STREET, AND IS |  |
|  |  |  |  |                                                                                       |  |                    |  |                                       |  | APPROX. 225' SOUTH OF STOVER AVE.              |  |
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|  <p><b>WILSON &amp; COMPANY</b><br/>4900 LANG AVE N.E.<br/>SUITE 100<br/>ALBUQUERQUE, NEW MEXICO 87109<br/>(505) 348-4000<br/>FAX (505) 348-4072<br/>www.wilsonco.com</p> |             |  <p>CITY OF ALBUQUERQUE<br/>DEPARTMENT OF MUNICIPAL DEVELOPMENT</p> |  |                                                                                                                                                                                                                                                    |  |             |             |  |  |  |  |  |  |  |  |  |  |  |  |
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| <p align="center"><b>TINGLEY PARK RECONSTRUCTION</b><br/><b>GRADING PLAN DETAIL 03</b></p>                                                                                                                                                                     |             |                                                                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                         |  |             |             |  |  |  |  |  |  |  |  |  |  |  |  |
| <p><b>Design Review Committee</b></p>                                                                                                                                     |             | <p><b>City Engineer Approval</b></p>                                |  | <p><b>Last Design Update</b></p> <table border="1"> <thead> <tr> <th>Mo./Day/Yr.</th> <th>Mo./Day/Yr.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table> |  | Mo./Day/Yr. | Mo./Day/Yr. |  |  |  |  |  |  |  |  |  |  |  |  |
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| <p><b>TERRA CREATAS</b></p>  <p>Landscape Architecture<br/>4308 Broad St.N.E. Albuquerque, NM 87109<br/>505.861.5062</p>                                                  |             | <p><b>City Project No.</b><br/><b>7963.91</b></p>                                                                                                        |  | <p><b>Zone Map No.</b><br/><b>K-13</b></p>                                                                                                                                                                                                                                                                                              |  |             |             |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                |             |                                                                                                                                                          |  | <p><b>Sheet</b> <b>C-105</b> <b>Of</b></p>                                                                                                                                                                                                                                                                                              |  |             |             |  |  |  |  |  |  |  |  |  |  |  |  |





|                             | <p><b>CITY OF ALBUQUERQUE</b><br/> <b>DEPARTMENT OF MUNICIPAL</b><br/> <b>DEVELOPMENT</b></p>                   |                                                                                                                                                                                                                                                                 |             |             |  |  |  |  |  |  |  |  |  |  |
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| <p><b>TINGLEY PARK RECONSTRUCTION</b><br/> <b>UTILITY SITE PLAN</b></p>                                          |                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                      |             |             |  |  |  |  |  |  |  |  |  |  |
| Design Review Committee<br> | City Engineer Approval<br> | Last Design Update<br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">Mo./Day/Yr.</th> <th style="width: 50%;">Mo./Day/Yr.</th> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table> | Mo./Day/Yr. | Mo./Day/Yr. |  |  |  |  |  |  |  |  |  |  |
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| City Project No.<br><div style="font-size: 24pt; font-weight: bold; text-align: center;">7963.91</div>           | Zone Map No.<br><div style="font-size: 24pt; font-weight: bold; text-align: center;">K-13</div>                 | Sheet<br><div style="font-size: 24pt; font-weight: bold; text-align: center;">C-107</div>                                                                                                                                                                                                                                                            |             |             |  |  |  |  |  |  |  |  |  |  |

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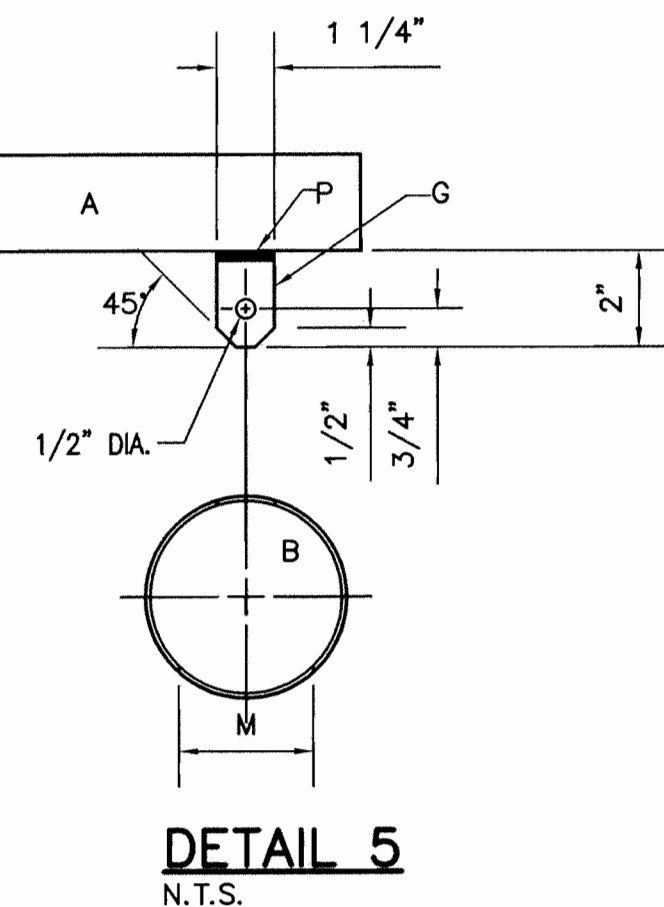
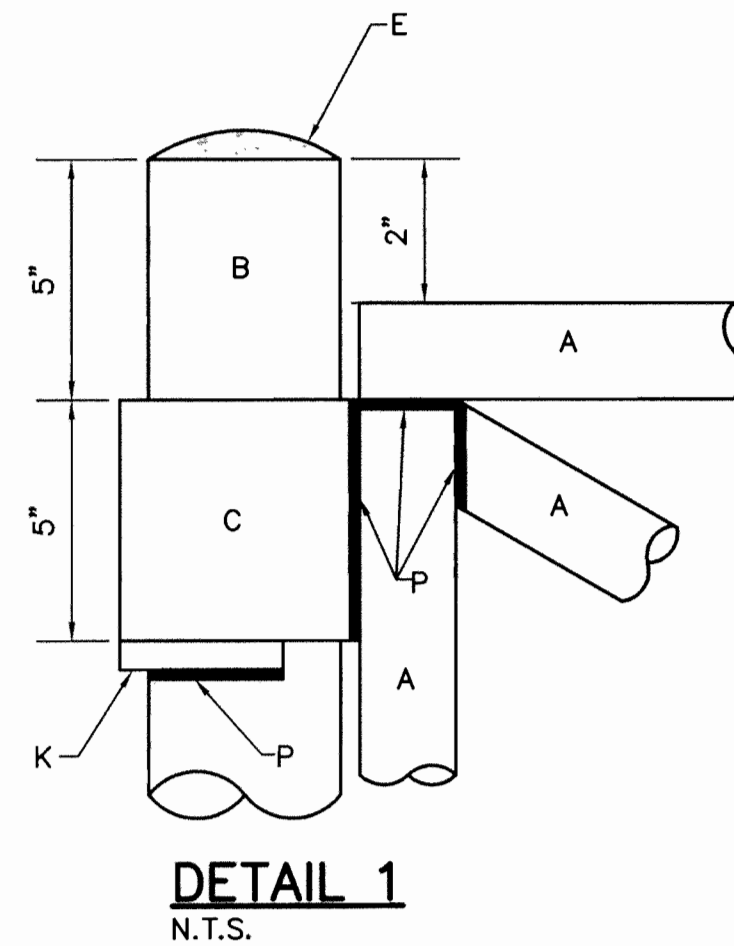
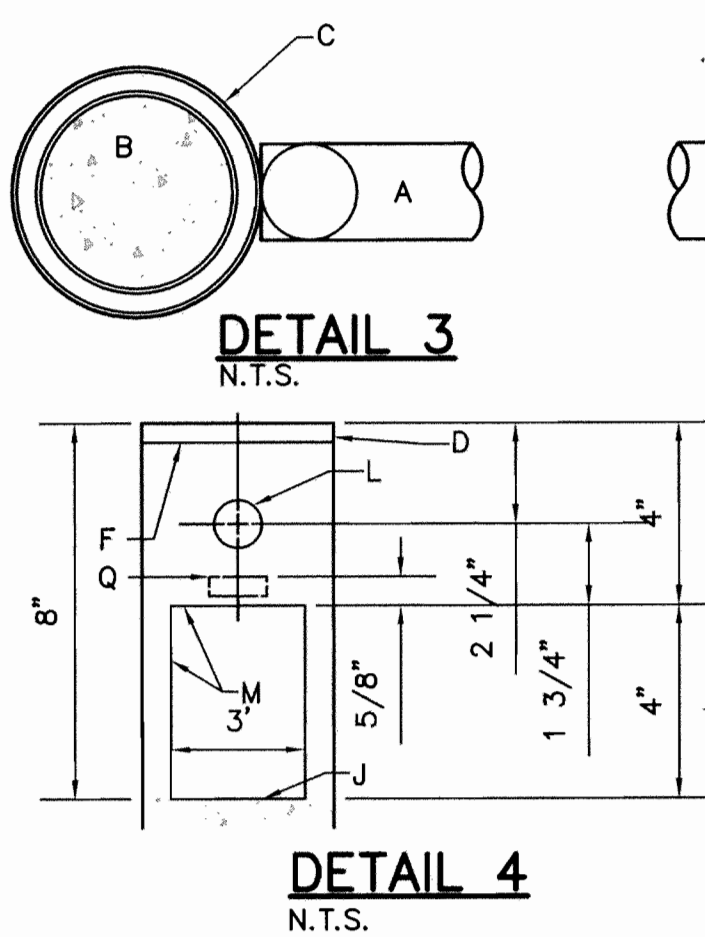
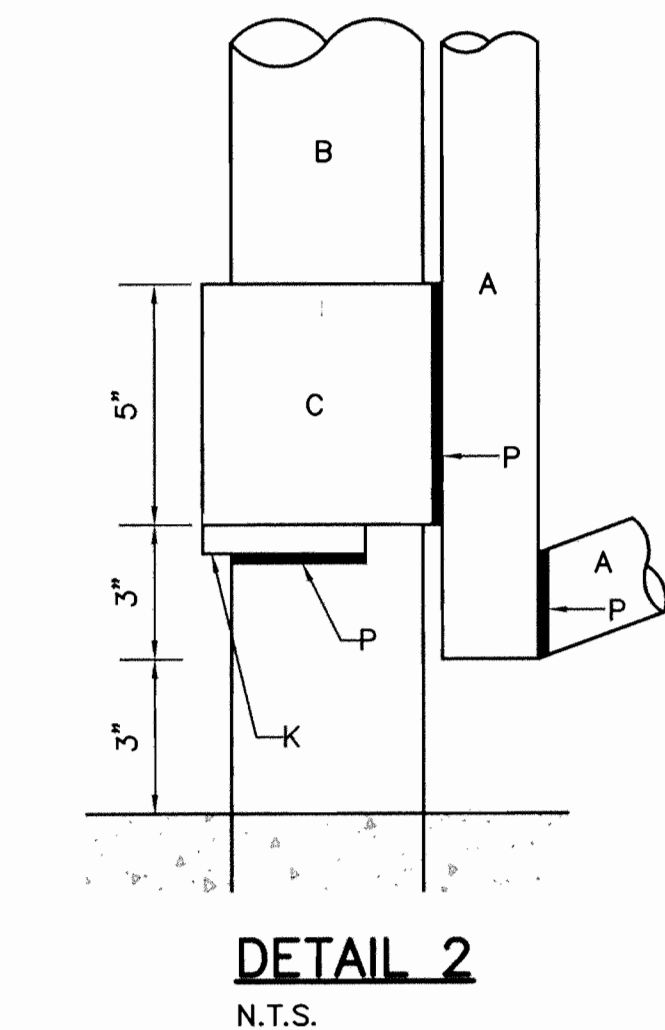
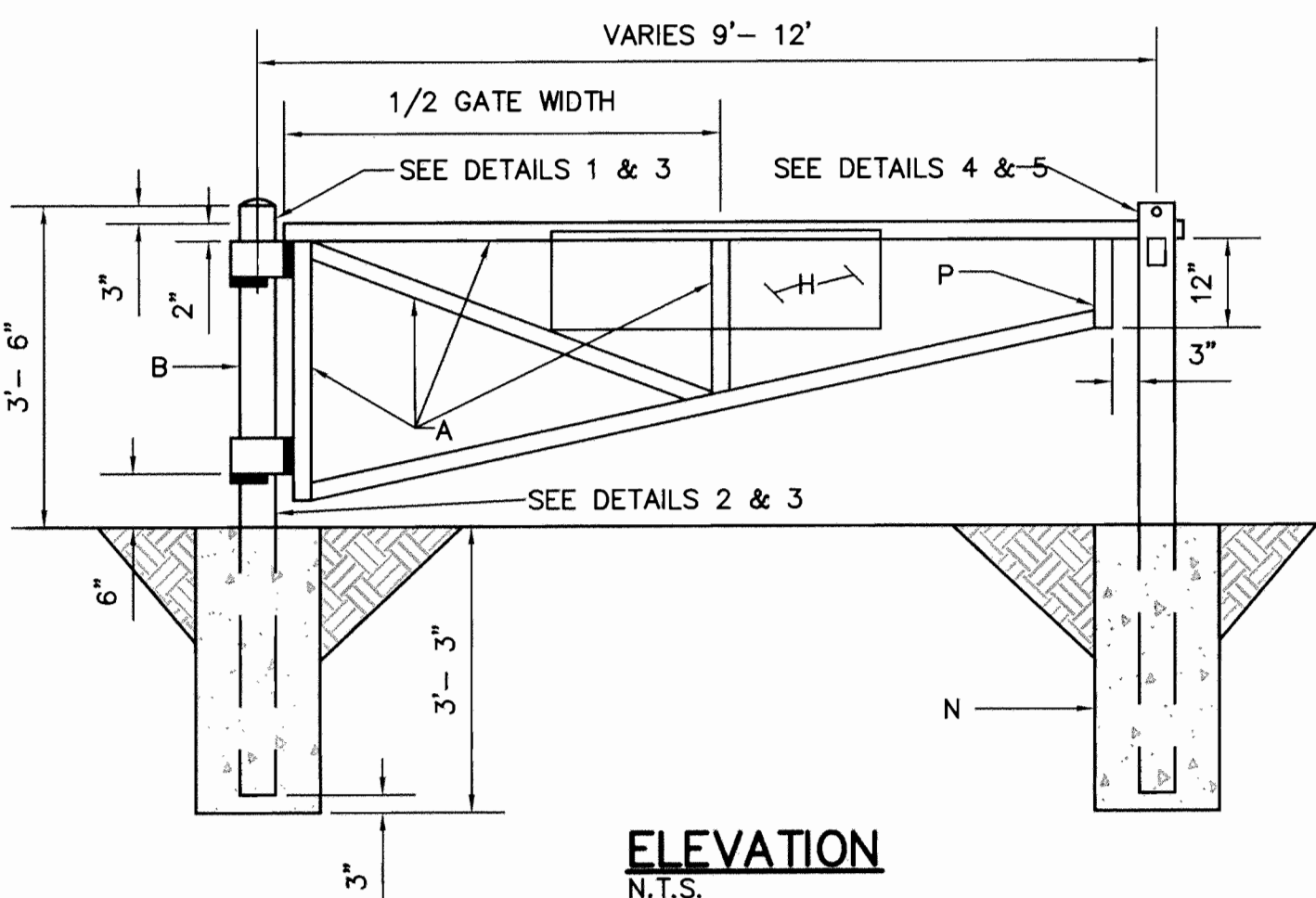
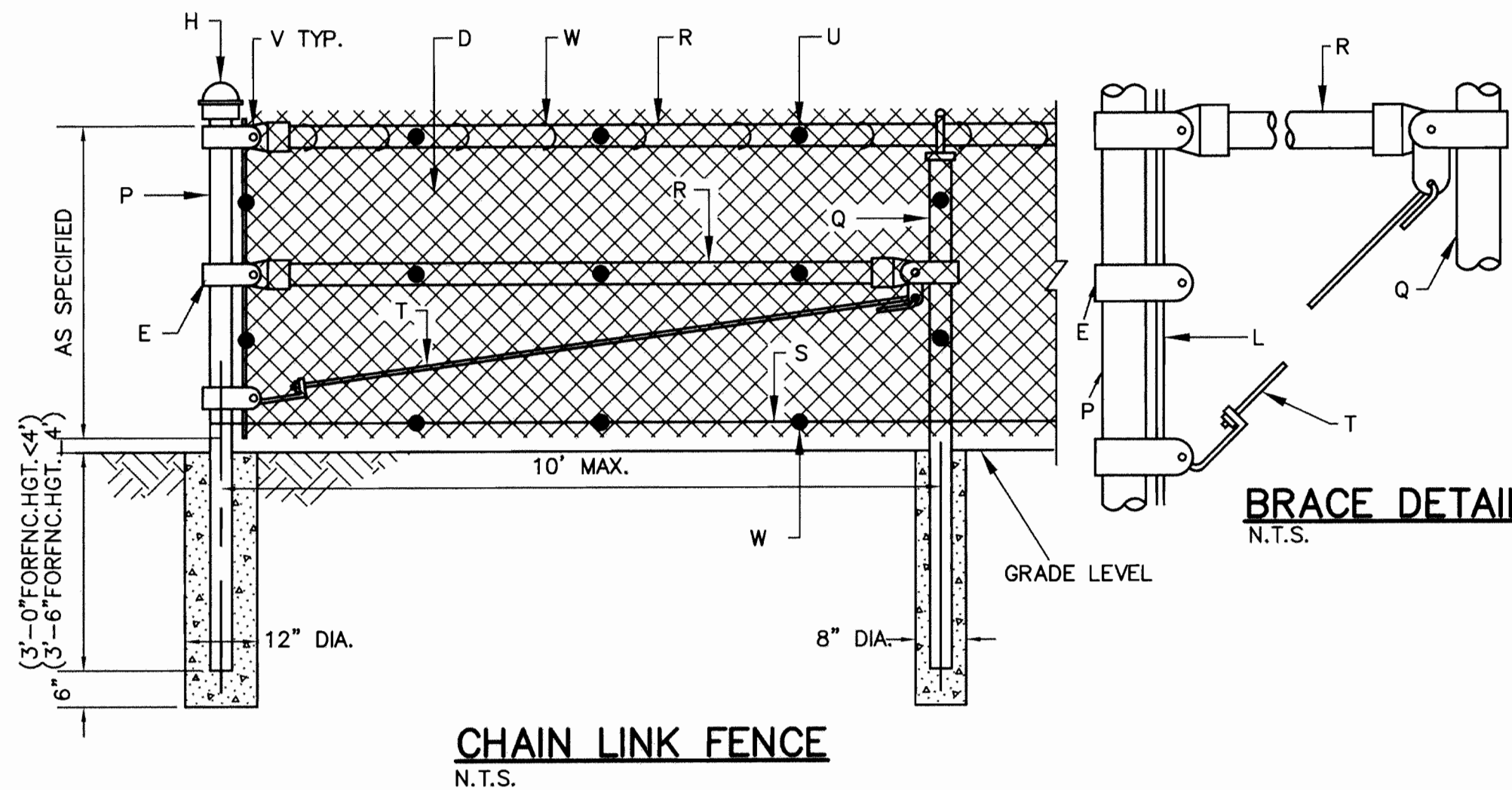
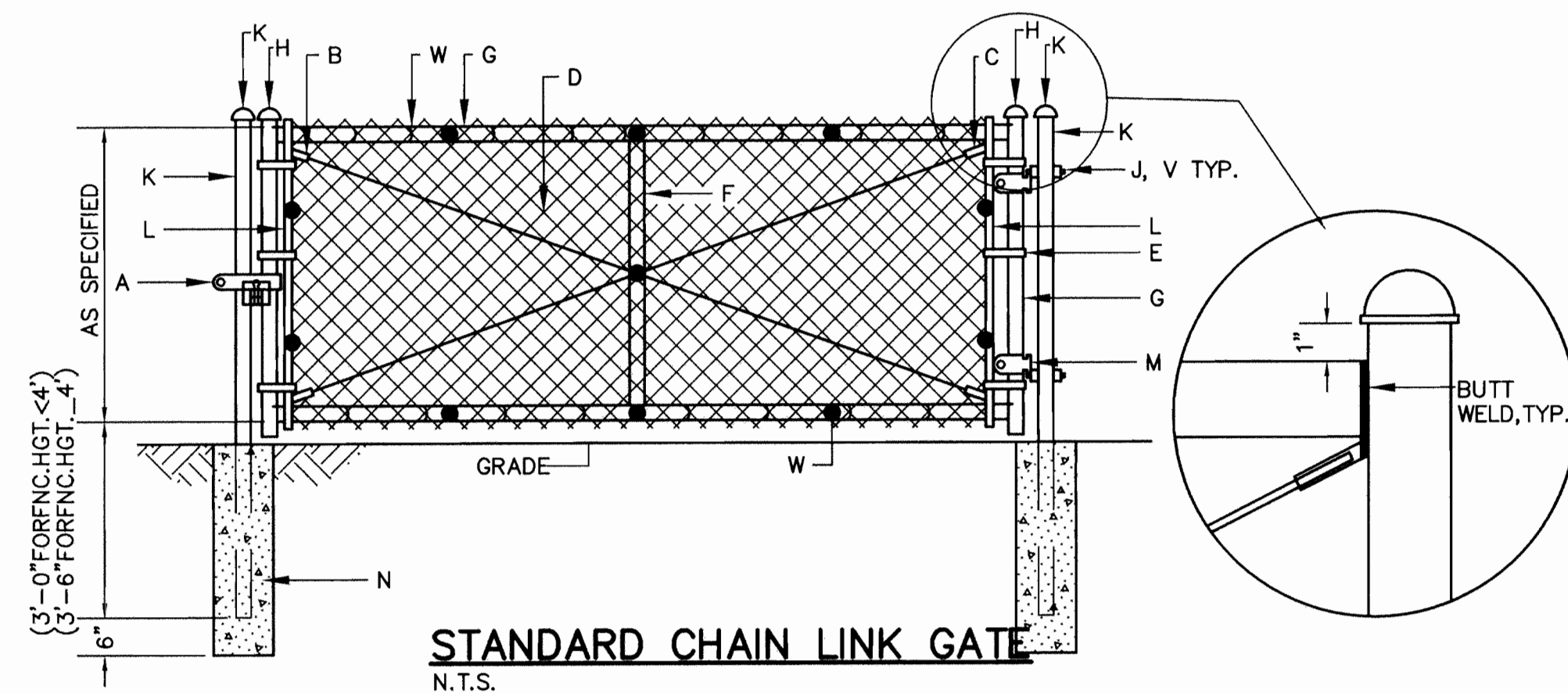


- A. INCLUDE QUARTER POINT ELEVATIONS. SEE STD. DETAIL DWG. 2420.
- B. WHERE INTERIOR SIDEWALK CONNECTION IS TO BE PROVIDED - CONSTRUCT CURB ACCESS RAMPS AS PER STD. DETAIL DWG. 2418 & 2441.
- C. INITIAL GRADE TO BE 4% OR LESS WHEN CONNECTING TO COLLECTOR OR ARTERIAL STREETS. 6% OR LESS WHEN CONNECTING TO LOCAL STREETS.
- D. INCLUDE ELEVATIONS AT EACH END OF CURB RETURN AND INTERSECTIONS OF PROJECTED FLOWLINES . SEE STD DWG 2420
- E. AT PROPERTY LINE CONSTRUCT HEADER CURB SEE STD DWG 2415
- F. IF SIDEWALK IS AGAINST CURB THE SIDEWALK SHOULD BE ANCHORED TO KEEP THE CURB ACCESS RAMP IN THE LOCATION SHOWN.
- G. 1/2" EXPANSION JOINT MATERIAL.
- H. THEORETICAL FACE OF CURB OR FLOWLINE
- I. 6" X 6" NO. 6 GA. WIRE MESH.
- J. NO. 4 BARS 3'-0" LONG AT 16" O.C.



- A. FOUR BRICK COURSES MAX.
- B. OVERLAY.
- C. USE A CONC. PAD 5'x5' IN ALL AREAS.
- D. M.H. FRAME & COVER.
- E. STD. PAVING SECT.
- F. 1/2" PLASTER INSIDE & OUTSIDE EXCEPT ON PRE-CAST UNITS.
- G. A.T.B. OR C.T.B.
- H. SUBGRADE.
- J. SEWER LINE.
- K. NEW PORTLAND CEMENT CONC.
- L. NEW PAVING MATERIAL.
- M. EXIST. PAVEMENT.
- N. CUT LINE.
- P. EXIST. CONC.
- Q. VALVE BOX EXTENSION, SEE DWG. 2325.

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# GENERAL NOTES:

1. GATE TO BE USED AS SPECIFIED ON CONSTRUCTION DRAWINGS FOR DRAINAGE EASEMENT BARRICADE, SEE DWG. 2251 OR DWG. 2253.
2. SINGLE LEAF GATES WILL BE USED ON OPENINGS OF 12' OR LESS. FOR MORE THAN 12', DOUBLE LEAF GATES SHALL BE USED, WITH A CENTER LOCK POST INSERTED IN A PIPE SLEEVE IN CENTER OF OPENING.
3. DIMENSIONS ABOVE OR BELOW GRADE LEVEL WILL BE ON CONSTRUCTION DRAWINGS. IF NONE ARE NOTED, MESH IS FLUSH WITH GRADE LEVEL.
4. ALL METAL ITEMS, INCLUDING PIPE, SHALL BE GALV. STEEL. ALL PIPE SHALL BE NOMINAL SIZE, SCH. 40.
5. ODOR CONTROL AREA FENCE SHALL HAVE A CONTINUOUS CONCRETE HEADER CURB UNDER FENCING.

# CONSTRUCTION NOTES:

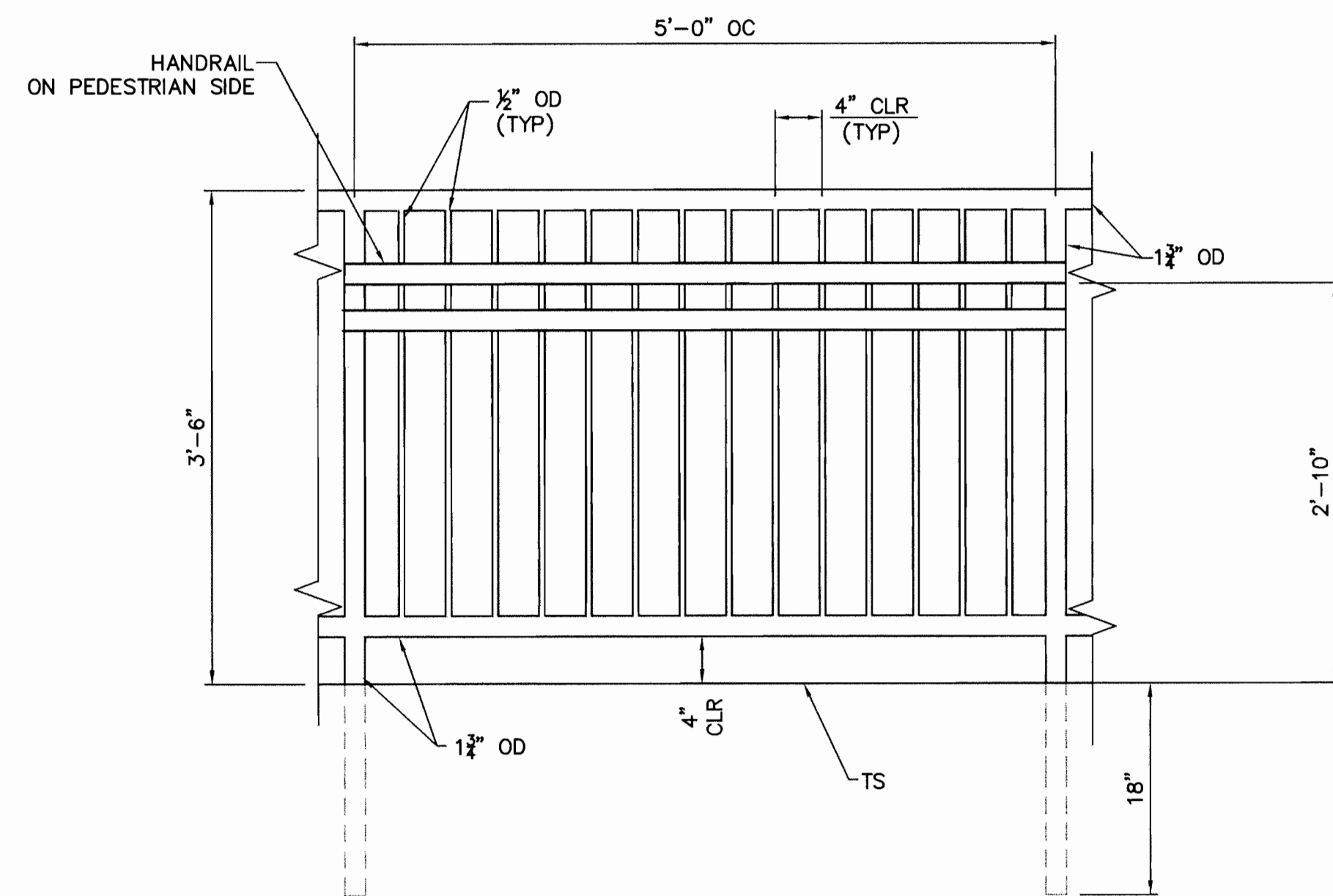
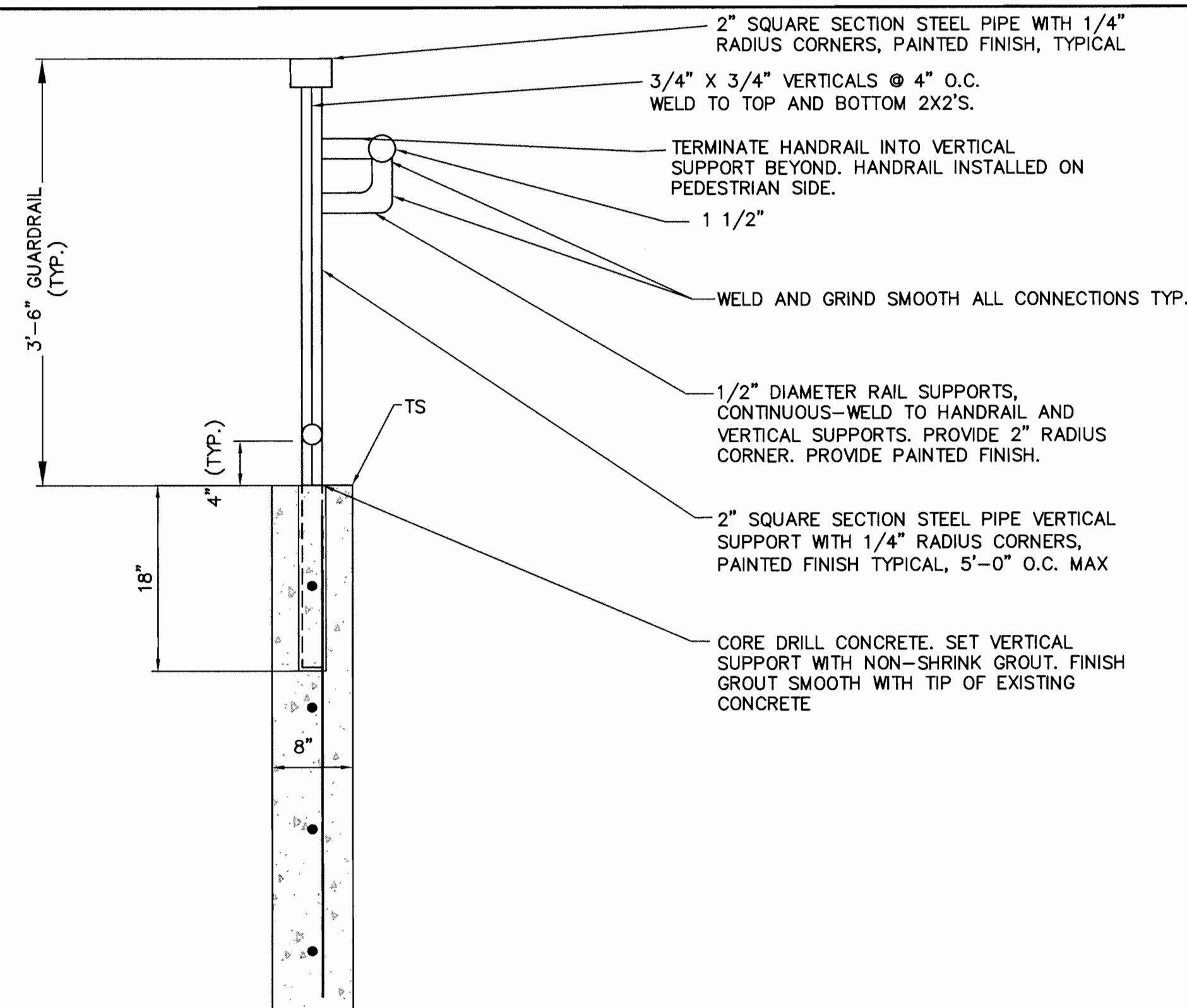
- A. GATE LATCH WITH VANDAL PROOF SHIELD & PADLOCK (PADLOCK TO BE FURNISHED BY THE CITY).
- B. 2- 3/8" TRUSS RODS, WELDED AT CORNERS.
- C. 2- 3/8" THREADED TRUSS RODS AND BRACKET ATTACHMENT.
- D. 2" NO. 9 GAUGE CHAIN LINK GALV. WIRE FABRIC.
- E. STEEL TENSION BANDS AT 18" OR LESS O.C.
- F. BRACE, 1 1/4" DIA., WELDED TO FRAME.
- G. GATE FRAME, 2" DIA. (2.375 O.D.) WELDED.
- H. MALLEABLE ACORN CAP.
- J. 4" J-BOLT, THREADED.
- K. 3 1/2" GATE POST (4" O.D.) WITH WELDED STEEL CAP.
- L. TENSION BAR 1/4" X 3/4".
- M. GATE CLAMP.
- N. 12" DIA. HOLES, FILLED WITH PORTLAND CEMENT CONC.
- P. CORNER POST 2 1/2" DIA. (2.875 O.D.).
- Q. LINE POST 2" DIA. (2.375 O.D.).
- R. TOP AND BRACE RAILS 1 1/4" DIA. (1.660 O.D.).
- S. WIRE REINFORCEMENT, 9 GAUGE, INSTALL 3" ABOVE BOTTOM OF FABRIC.
- T. TRUSS ROD 3/8" DIA.
- U. FABRIC SHALL BE TACK WELDED TWO PLACES TO EACH TENSION BAR AND THREE PLACES TO ALL TOP AND BRACE RAILS BETWEEN POSTS.
- V. ALL NUTS, BOLTS, AND OTHER CONNECTIONS SHALL BE TACK WELDED.
- W. WIRE TIES, 9 GA. GALV. STEEL AT 18" O.C.

# GENERAL NOTES:

1. ALL WELDED AND CUT AREAS TO BE CLEANED THOROUGHLY WITH A WIRE BRUSH AND OR SAND BLAST AND REGALVANIZED.
2. REGALVANIZING SHALL BE WITH SHERWIN WILLIAMS ZINC CLAD 7 PRIMER OR EQUAL.

# CONSTRUCTION NOTES:

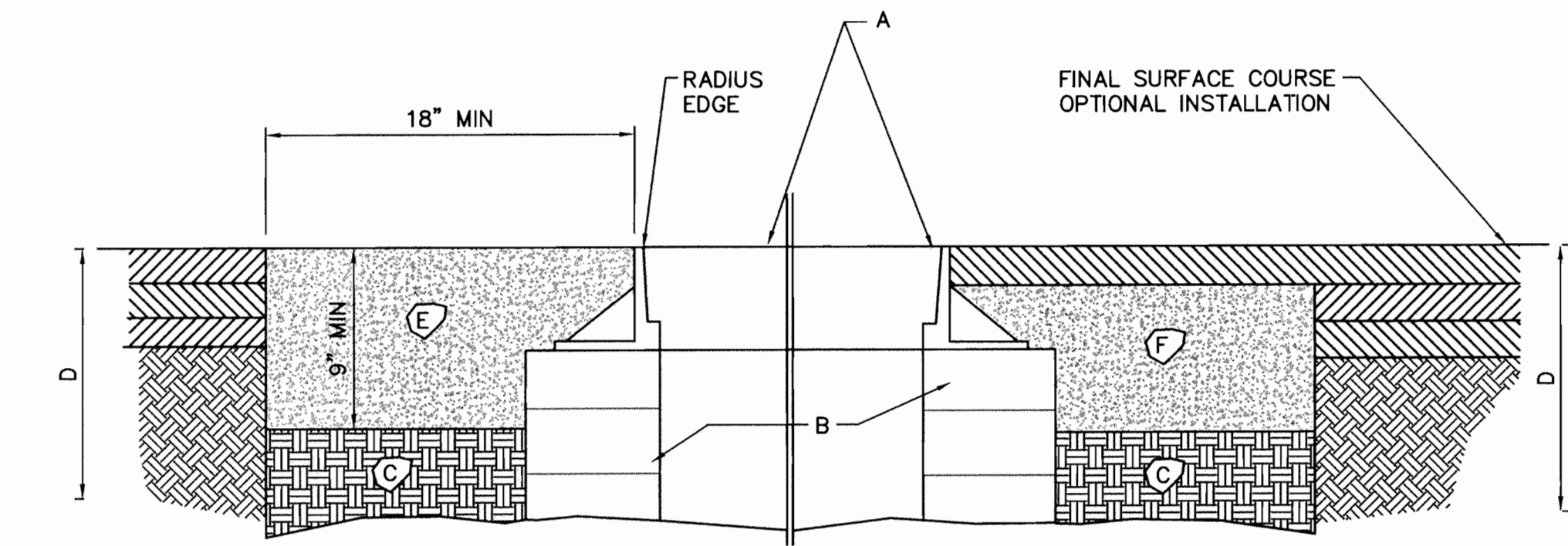
- A. 2" NOMINAL DIA. GALV. PIPE, MIN. WEIGHT PER FOOT 3.65 LBS.
- B. 4" DIA. BLACK STEEL PIPE, MIN. 10.79 LBS./FT., CONC. FILLED, PAINT W/2 COATS ALUM. PAINT.
- C. 5" DIA. BLACK STEEL PIPE, MIN. 14.62 LBS./FT., PAINT W/2 COATS ALUM. PAINT.
- D. 1/4" BUTT WELD ALL AROUND.
- E. CONCRETE ROUNDED AT TOP OF POST.
- F. 3/8" X 4 1/4" DIA. STEEL PLATE.
- G. 3/8" STEEL PLATE FLANGE.
- H. REFLECTIVE SIGN STATING, AUTHORIZED VEHICLES ONLY, WILL BE PROVIDED AND INSTALLED BY CITY.
- J. STOP CONC. IN PIPE AT THIS POINT.
- K. 1/2" SQ. STEEL BAR FOR HINGE SUPPORT. POSITION BAR TO ALLOW UNRESTRICTED GATE ROTATION THROUGH ENTIRE SWING OF GATE OPENING.
- L. 1" DIA. FINGER HOLE.
- M. MAKE A 3" X 4" CUT IN PIPE.
- N. 3,000 PSI AIR ENTRAINED FLY ASH CONC.
- P. WELD ALL 2" PIPE & FIXTURE CONNECTIONS WITH 3/8" FILLET ALL AROUND.
- Q. 1 1/2" X 5/8" SLOT FOR STEEL PLATE FLANGE.



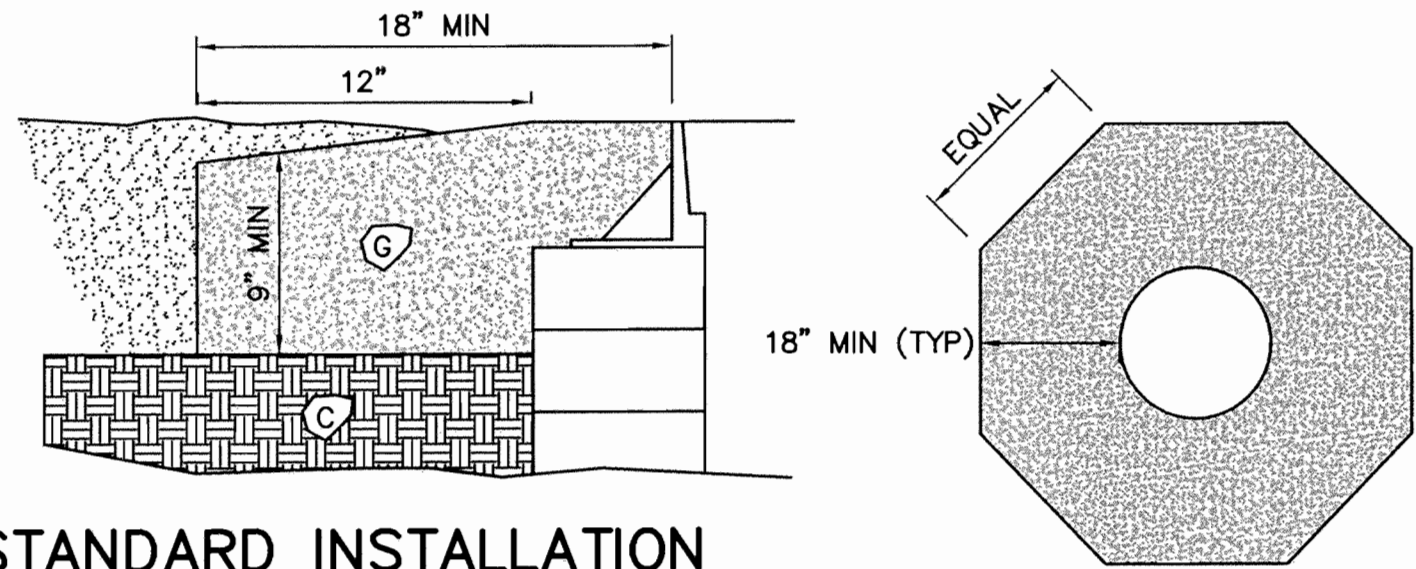
GUARDRAIL DETAIL  
N.T.S.

| AS-BUILT INFORMATION      |      | BENCH MARKS                                                                                                                                                            |      | SURVEY INFORMATION |    | ENGINEER'S SEAL |                                                                                                                                                                                                                                                                                                                        |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |
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| CONTRACTOR'S NAME         | DATE | STD. ACS BRASS TABLET STAMPED "1-K13"                                                                                                                                  | DATE | NO.                | BY |                 | <p>REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>REMARKS</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> | NO. | DATE | REMARKS | BY |  |  |  |  |  |  |  |  |  |  |  |  |
| NO.                       | DATE | REMARKS                                                                                                                                                                | BY   |                    |    |                 |                                                                                                                                                                                                                                                                                                                        |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |
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| WORK BY                   | DATE | SET IN TOP OF A CONCRETE POST APPROX. 0.2 FT. BELOW TURF. THE STATION IS THEN 0.7 FT. WEST OF THE WEST CURB ON EIGHTH STREET, AND IS APPROX. 225' SOUTH OF STOVER AVE. | DATE |                    |    |                 |                                                                                                                                                                                                                                                                                                                        |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |
| INSPECTOR'S ACCEPTANCE BY | DATE |                                                                                                                                                                        |      |                    |    |                 |                                                                                                                                                                                                                                                                                                                        |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |
| VERIFICATION BY           | DATE |                                                                                                                                                                        |      |                    |    |                 |                                                                                                                                                                                                                                                                                                                        |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |
| MICRO-FILM INFORMATION    |      | ELEVATION = 4944.03 FT.                                                                                                                                                |      |                    |    |                 |                                                                                                                                                                                                                                                                                                                        |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |
| RECORDED BY               | DATE |                                                                                                                                                                        |      |                    |    |                 |                                                                                                                                                                                                                                                                                                                        |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |
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| WILSON & COMPANY                                                                                                                         |                                          | CITY OF ALBUQUERQUE                                  |             |
|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------------------------------------|-------------|
| <p>4900 LANG AVE N.E.<br/>SUITE 100<br/>ALBUQUERQUE, NEW MEXICO 87109<br/>(505) 348-4000<br/>FAX (505) 348-4072<br/>www.wilsonco.com</p> |                                          | <p>DEPARTMENT OF MUNICIPAL DEVELOPMENT</p>           |             |
| <p>TERRA CREATAS<br/>Landscape Architecture<br/>4324 Brand St N.E. Albuquerque, NM 87109<br/>505.831.2062</p>                            |                                          | <p>TINGLEY PARK RECONSTRUCTION<br/>FENCE DETAILS</p> |             |
| Design Review Committee                                                                                                                  | City Engineer Approval                   | Mo./Day/Yr.                                          | Mo./Day/Yr. |
| APPROVED<br>AUG 01 2007                                                                                                                  | APPROVED<br>AUG 01 2007<br>CITY ENGINEER |                                                      |             |
| City Project No.                                                                                                                         | Zone Map No.                             | Sheet                                                | Of          |
| 7963.91                                                                                                                                  | K-13                                     | C-503                                                |             |



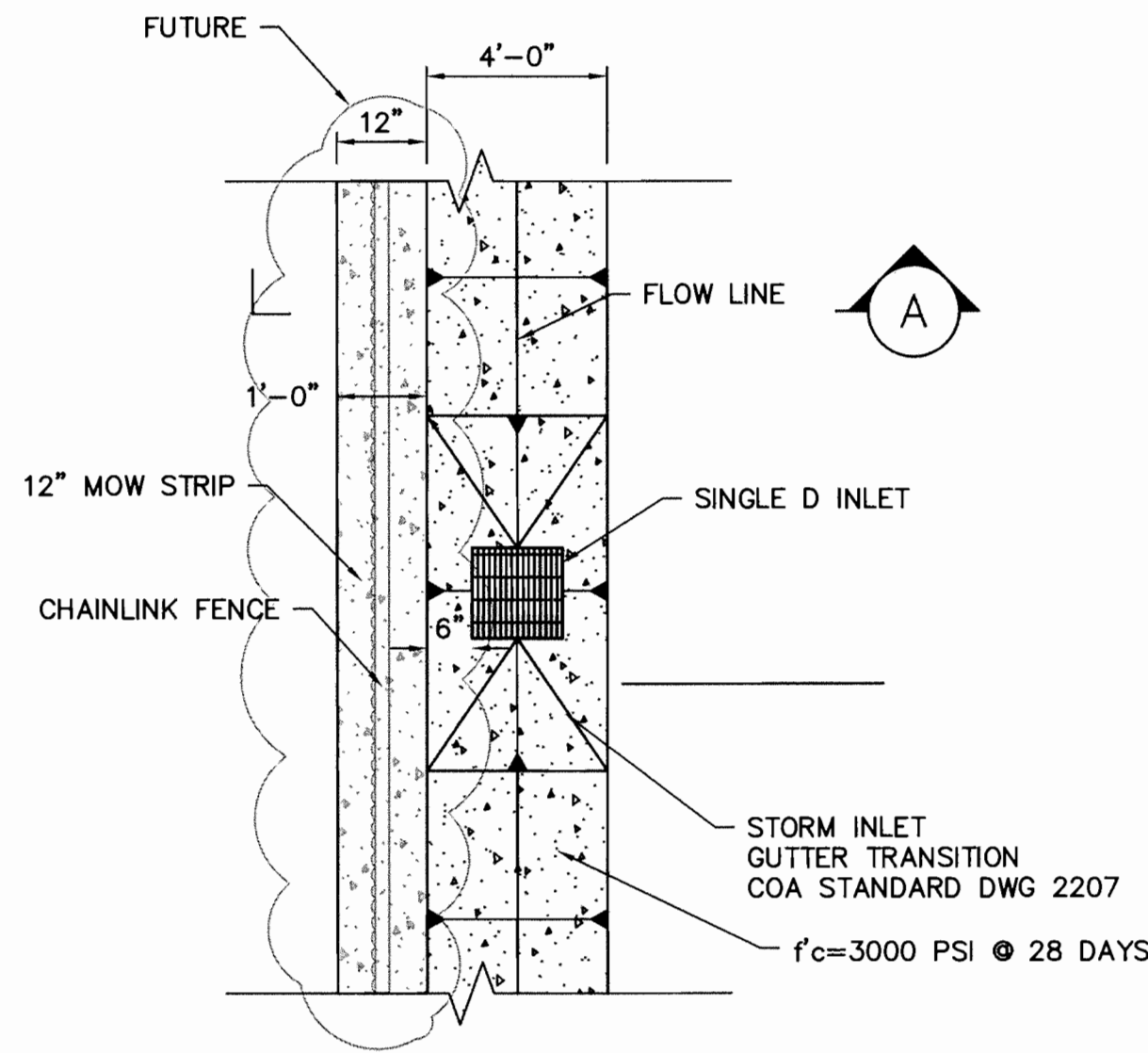
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**PAVED AREAS** NTS  
**OPTIONAL INSTALLATION** NTS



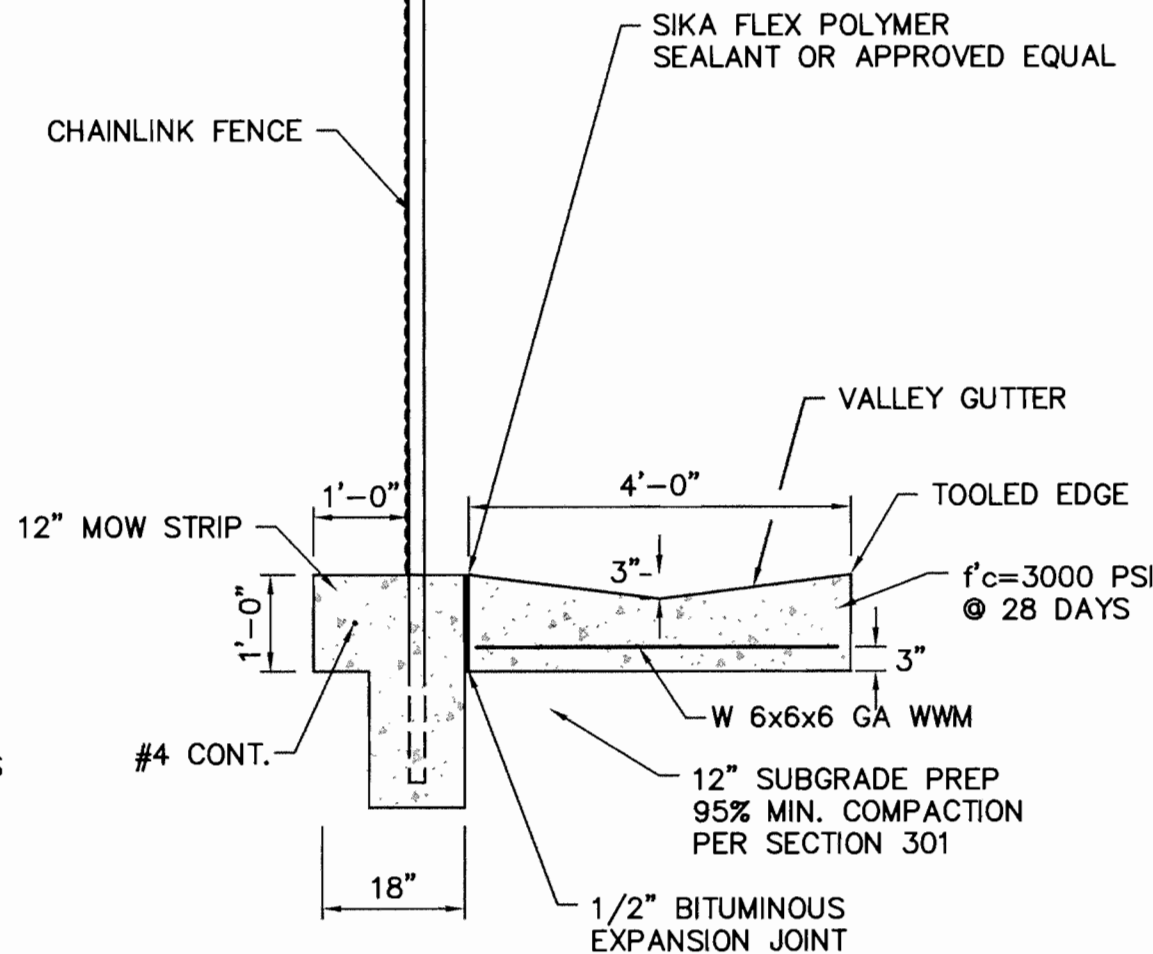
**STANDARD INSTALLATION** NTS  
**DIRT AREAS** NTS  
**TOP PLAN** NTS

**GENERAL NOTES:**

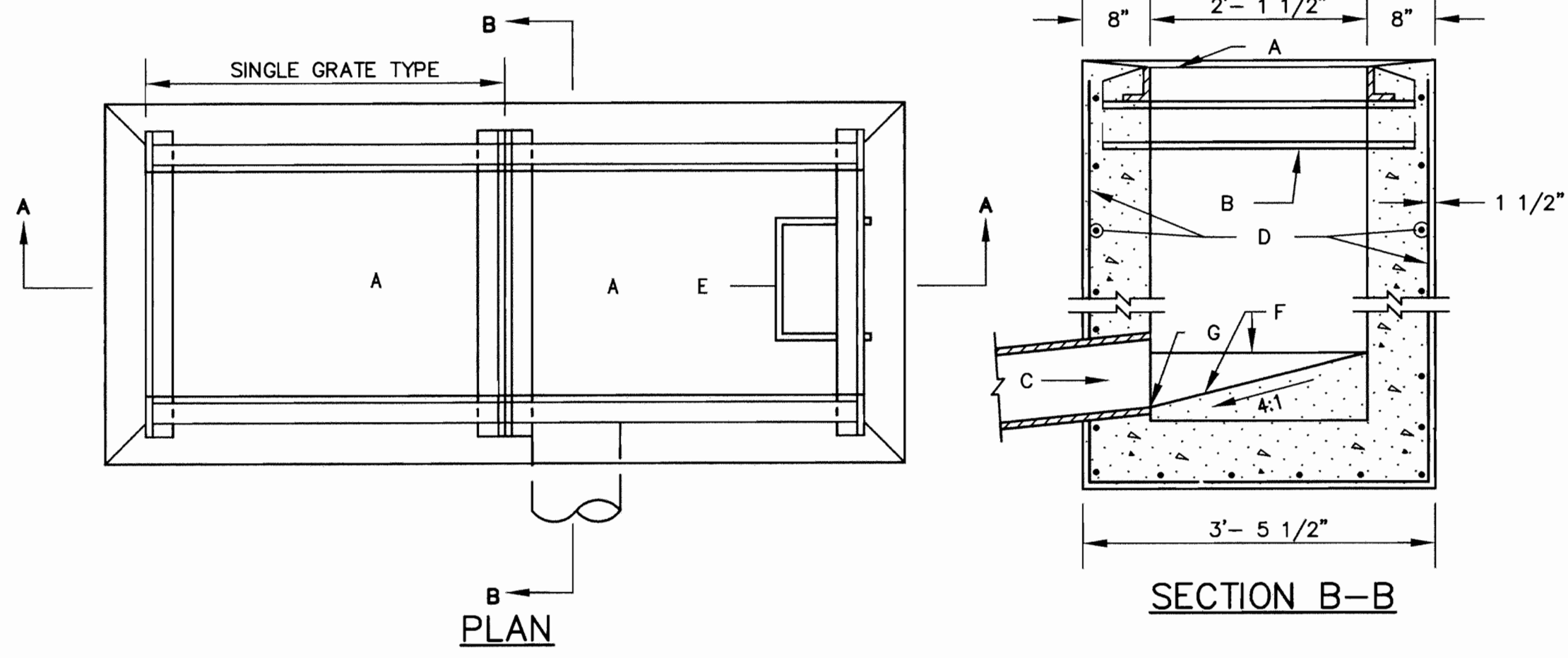
- MANHOLE OR VALVE BOX RING AND COVER PER CITY STANDARDS.
- MANHOLE CONE/EXTENSION OR VALVE PIPE PER CITY STANDARDS. PIPE WITH SMOOTH INTERIOR.
- 12" SUBGRADE, 95% COMPACTION (ASTM).
- PAVING SECTION PER APPROVED DRAWINGS.
- CONCRETE COLLAR IN PAVED AREAS-TYPICAL INSTALLATION.
- CONCRETE COLLAR IN PAVED AREAS WITH ASPHALT CAP. TO BE USED WHEN CALLED FOR ON PLANS OR AS DIRECTED BY THE ENGINEER.
- CONCRETE COLLAR IN DIRT AREAS-SET RING 1" ABOVE GRADE AND SLOPE CONCRETE DOWN AS SHOWN TO 1" BELOW GRADE.
- WATER VALVE INSTALLATIONS SHALL HAVE SURFACE STAMPED WITH LINE INFORMATION PER CITY STANDARD DWG 2326.



**CONCRETE VALLEY GUTTER** NTS

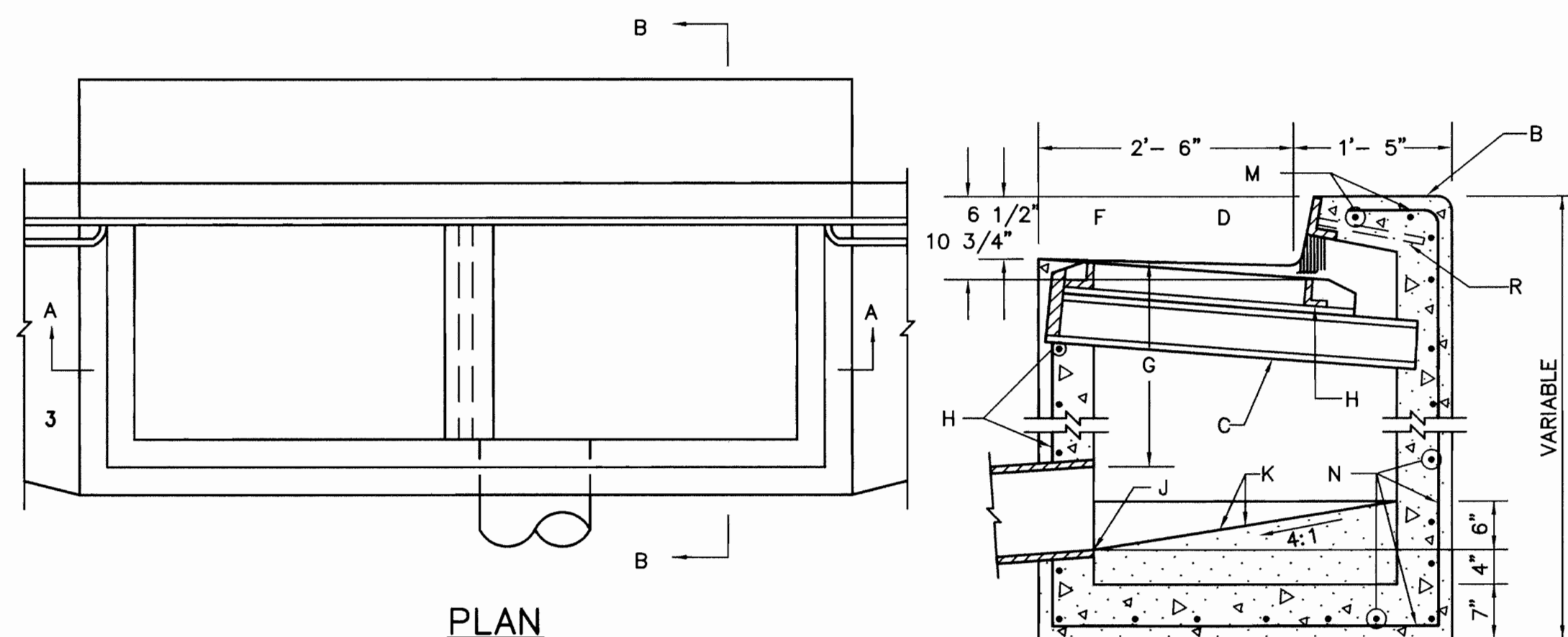


**SECTION A**  
SCALE: 1"=2'



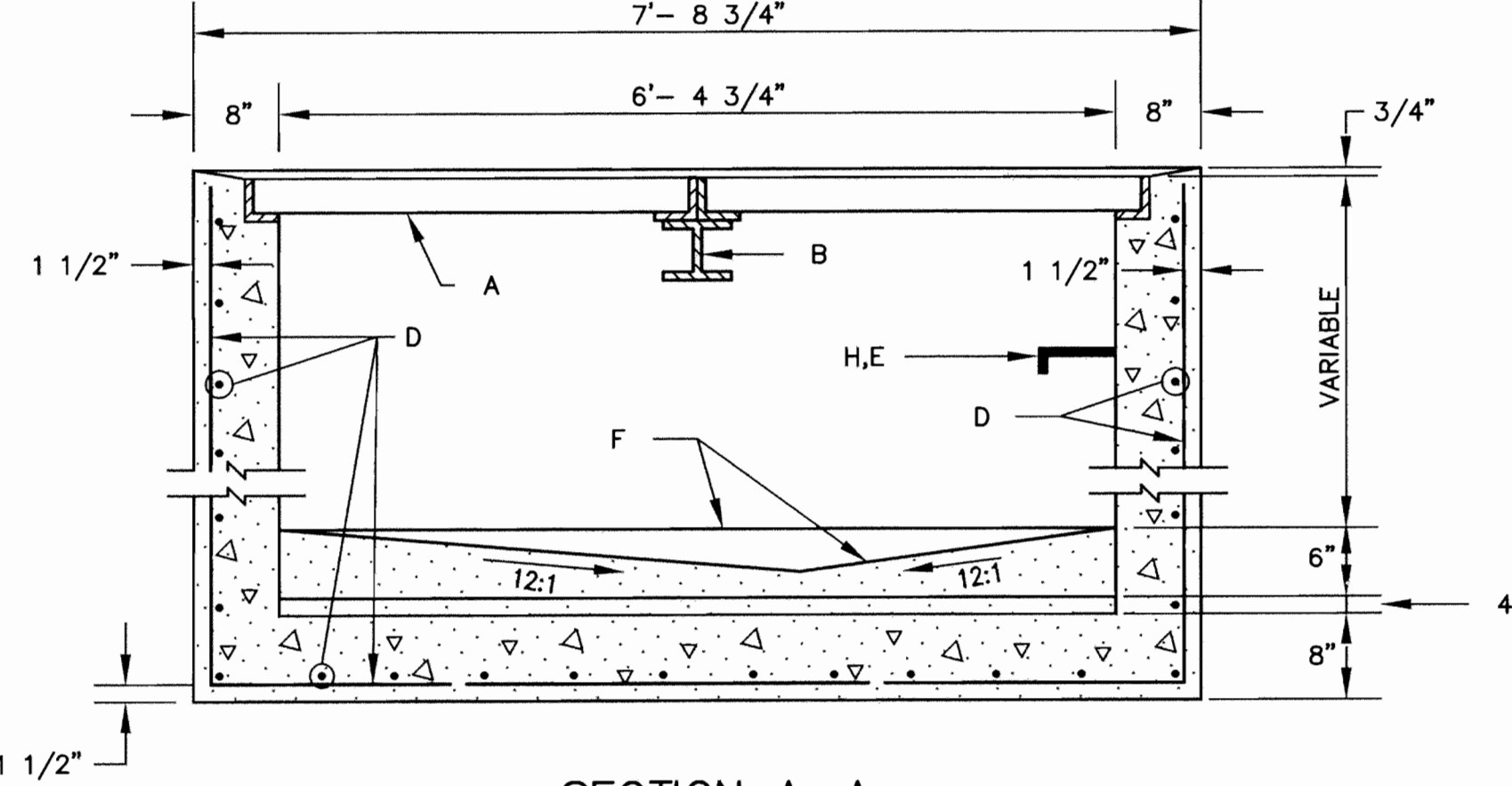
**PLAN**

**SECTION B-B**



**PLAN**

**SECTION B-B**



**SECTION A-A**

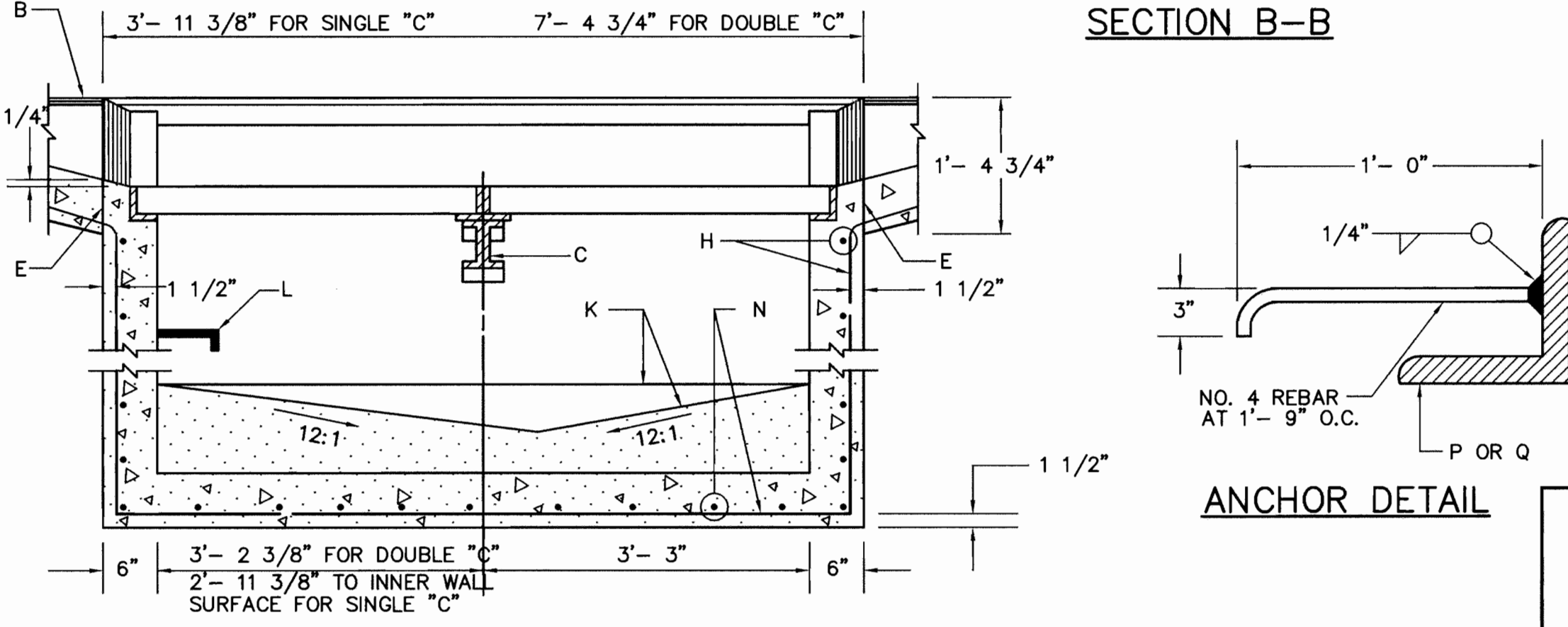
**TYPE D STORM INLET** NTS

**GENERAL NOTES:**

- FOR SINGLE GRATE TYPE STORM INLET, DELETE CENTER SUPPORT AND MOVE ONE END WALL TO FORM NEW SINGLE GRATE INLET.
- STORM INLET GUTTER TRANSITION WILL BE SHOWN ON THE CONSTRUCTION PLANS.
- OUTLET PIPE SIZE, PER DESIGN REQUIREMENT.
- FOR FRAME & GRATING, SEE DWG. 2216, 2220 & 2221.
- FOR CENTER SUPPORT ASSEMBLY, SEE DWG. 2215.

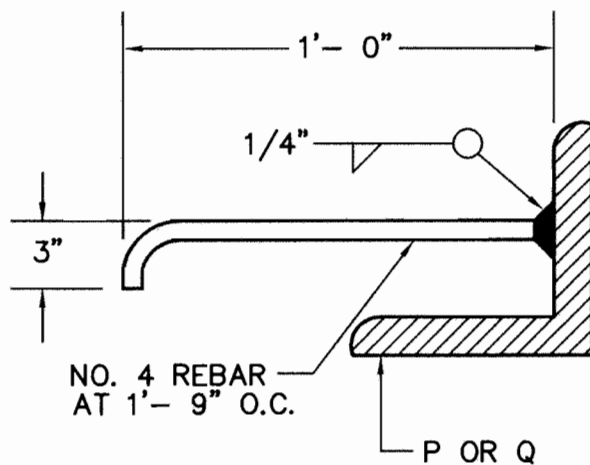
**CONSTRUCTION NOTES:**

- FRAME & GRATE.
- CENTER SUPPORT ASSEMBLY.
- CUT ONE HORIZONTAL AND ONE VERTICAL BAR MAX. AT PIPE OPENING.
- NO. 4 BARS AT 6" O.C. EACH WAY.
- USE STANDARD STEPS, SEE DRW. 2229.
- CONC. FILL, SEE NOTE C DWG. 2201.
- INVERT PER DESIGN.
- INSTALL STEPS ON DOWNSTREAM FACE.



**SECTION A-A**

**TYPE C STORM INLET** NTS



**ANCHOR DETAIL**

**GENERAL NOTES :**

- FOR SINGLE GRATE TYPE STORM INLET DELETE CENTER SUPPORT AND MOVE ONE END WALL TO FORM NEW SINGLE GRATE INLET.
- FOR STORM INLET GUTTER TRANSITION, SEE DWG. 2207.
- OUTLET PIPE SIZE, PER DESIGN REQUIREMENT.
- FOR FRAME & GRATING, SEE DWG. 2216, 2220 & 2221.
- FOR ANCHOR SEE DETAIL.
- FOR CENTER SUPPORT ASSEMBLY, SEE DWG. 2215.

**CONSTRUCTION NOTES :**

- GUTTER TRANSITION.
- TOP OF CURB.
- CENTER SUPPORT ASSEMBLY.
- FLOWLINE.
- CONSTRUCTION JOINT.
- NORMAL GUTTER LINE.
- 1'-10" MIN., UNLESS OTHERWISE DIRECTED.
- FRAME AND GRATE.
- INVERT OF OUTLET PIPE.
- CONCRETE FILL, MINIMUM SLOPES AS SHOWN.
- FOR STORM INLET DEPTHS GREATER THAN 4' INSTALL STD STEPS, SEE DWG. 2229, UPSTREAM SIDE.
- EXTEND NO. 4 REBARS 18" INTO CURB ON EACH SIDE OF STORM INLET.
- NO. 4 BARS AT 6" O.C.
- 3 1/2" X 3 1/2" X 1/2" X 1/2" X 4' - 0" FOR SINGLE GRATE TYPE "C" STORM INLET.
- 3 1/2" X 3 1/2" X 1/2" X 1/2" X 7' - 6" FOR DOUBLE GRATE TYPE "C" STORM INLET.
- ANCHOR.

**WILSON & COMPANY**  
4900 LANG AVE N.E.  
SUITE 100  
ALBUQUERQUE, NEW MEXICO 87109  
(505) 348-4000  
FAX (505) 348-4072  
www.wilsonco.com

**TERRA CREATAS**  
Landscape Architecture  
4308 Grand St NE, Albuquerque, NM 87109  
505.881.5342

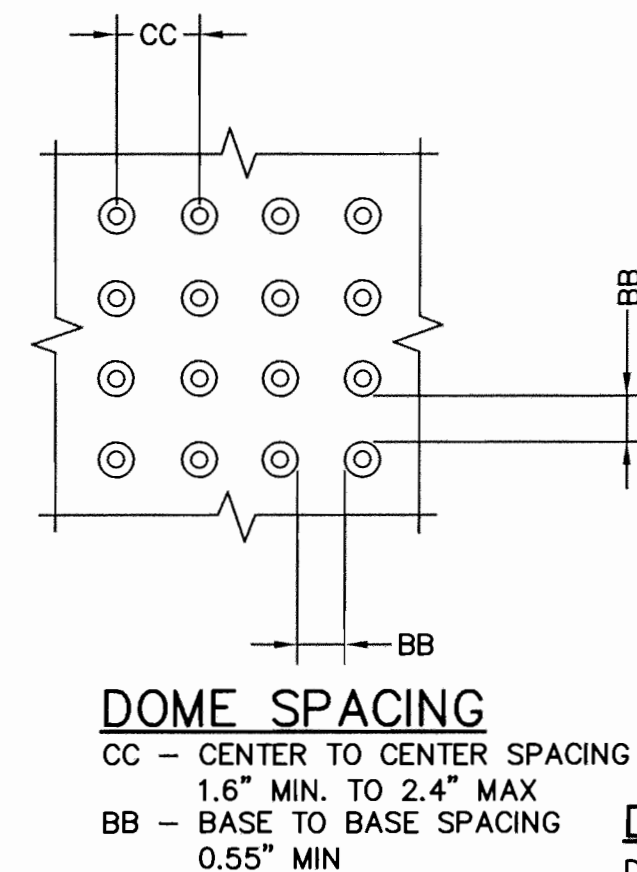
|                                                                                      |                                                                           |                                                                                                                                  |                        |                              |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------|
|                                                                                      |                                                                           | <b>CITY OF ALBUQUERQUE</b><br>DEPARTMENT OF MUNICIPAL DEVELOPMENT<br><b>TINGLEY PARK RECONSTRUCTION</b><br>MISCELLANEOUS DETAILS |                        |                              |
| <b>Design Review Committee</b><br>APPROVED<br>AUG 01 2007<br>DESIGN REVIEW COMMITTEE | <b>City Engineer Approval</b><br>APPROVED<br>AUG 01 2007<br>CITY ENGINEER | <b>Mo./Day/Yr.</b><br>                                                                                                           | <b>Mo./Day/Yr.</b><br> | <b>Sheet</b> C-504 <b>Of</b> |
| <b>City Project No.</b> 7963.91                                                      | <b>Zone Map No.</b> K-13                                                  |                                                                                                                                  |                        |                              |

| AS-BUILT INFORMATION              |              |
|-----------------------------------|--------------|
| CONTRACTOR: A.S. Bogner           | NO.          |
| WORK: Tingley Park Reconstruction | DATE: 07/08  |
| DESIGNED BY: J.T.A.               | DATE: MAR 07 |
| DRAWN BY: M.J.I.                  | DATE: MAR 07 |
| CHECKED BY: M.J.I.                | DATE: MAR 07 |
| RECORDED BY: M.J.I.               | DATE: MAR 07 |
| ELEVATION = 4944.03 FT.           |              |

| BENCH MARKS                                                                                                                                                           |      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| STD. ACS BRASS TABLET STAMPED "1-K13"                                                                                                                                 | DATE |
| SET IN TOP OF A CONCRETE POST, APPROX. 0.2 FT BELOW TURF. THE STATION IS THEN 0.7 FT WEST OF THE WEST CURB ON EIGHTH STREET, AND IS APPROX. 225' SOUTH OF STOVER AVE. | BY   |
|                                                                                                                                                                       | NO.  |

| SURVEY INFORMATION |      |
|--------------------|------|
| FIELD NOTES        | DATE |
|                    | BY   |
|                    | NO.  |

| ENGINEER'S SEAL                                                                                                          |                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
|                                                                                                                          |                                                                                                         |
| <b>REVISIONS</b><br>NO. DATE BY                                                                                          | <b>REVISIONS</b><br>NO. DATE BY                                                                         |
| <b>WILSON &amp; COMPANY, ENGINEERS &amp; ARCHITECTS</b><br>DESIGNED BY: J.T.A.<br>DRAWN BY: M.J.I.<br>CHECKED BY: M.J.I. | <b>WILSON &amp; COMPANY, ENGINEERS &amp; ARCHITECTS</b><br>DATE: MAR 07<br>DATE: MAR 07<br>DATE: MAR 07 |



## LOCATION

## DOME SPACING

CC - CENTER TO CENTER SPACING  
1.6" MIN. TO 2.4" MAX  
BB - BASE TO BASE SPACING  
0.55" MIN

## DOME SPACING

DETECTABLE WARNING SURFACES SHALL EXTEND 24" MIN. IN THE DIRECTION OF TRAVEL AND FULL WIDTH OF THE CURB RAMP, LANDING, OR TRANSITION. DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF THE CROSS WALK TO PERMIT WHEELS TO ROLL BETWEEN DOMES.

DEFINITIONS:

DETECTABLE WARNINGS - A SURFACE FEATURE BUILT IN OR APPLIED TO WALKING SURFACES OR OTHER ELEMENTS TO WARN OF HAZARDS ON A CIRCULATION PATH TO AID PERSONS WITH VISUAL IMPAIRMENTS

**CURB LINE** — A LINE AT THE FACE OF THE CURB THAT MARKS THE TRANSITION BETWEEN THE SIDEWALK AND THE GUTTER OR ROADWAY

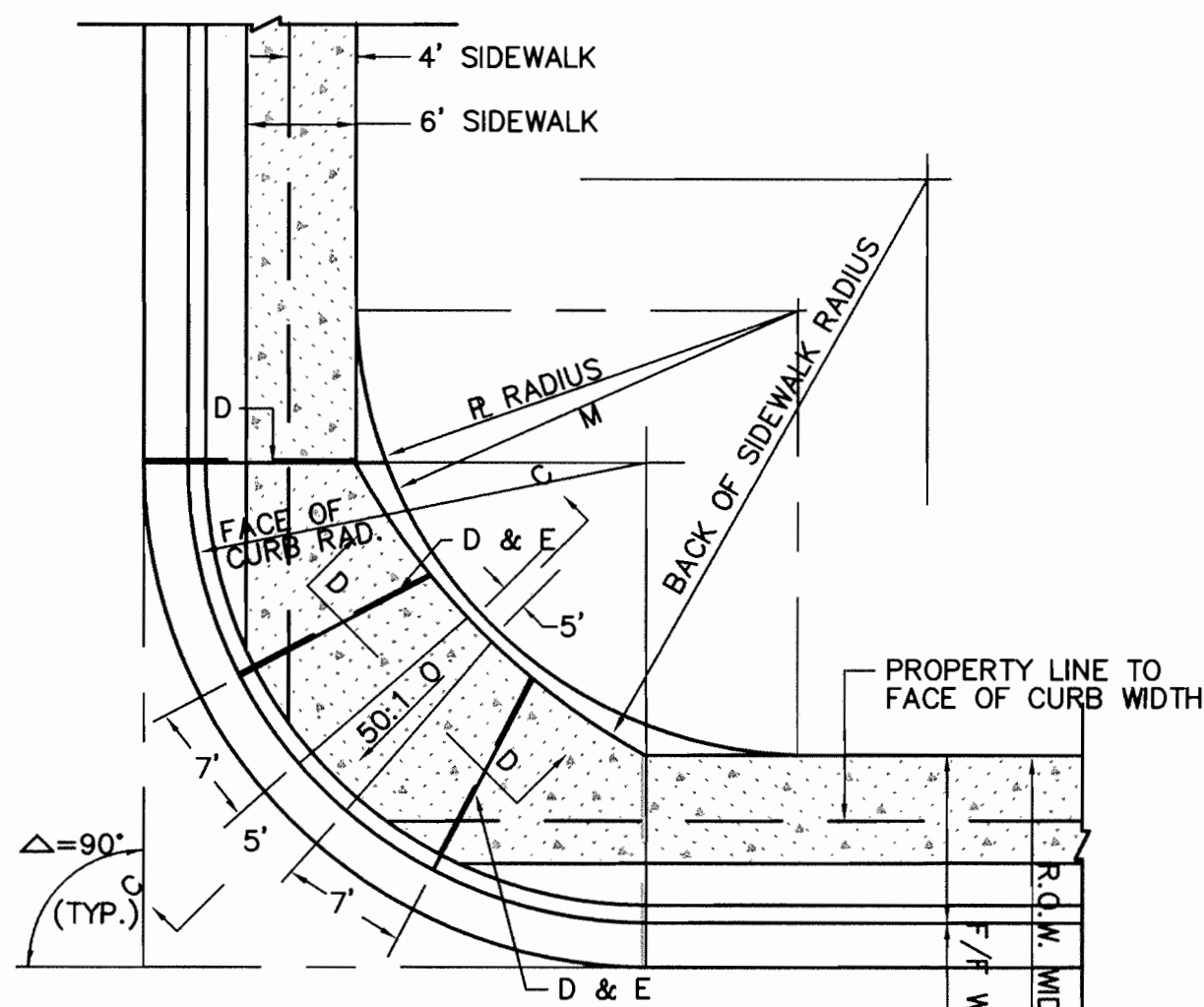
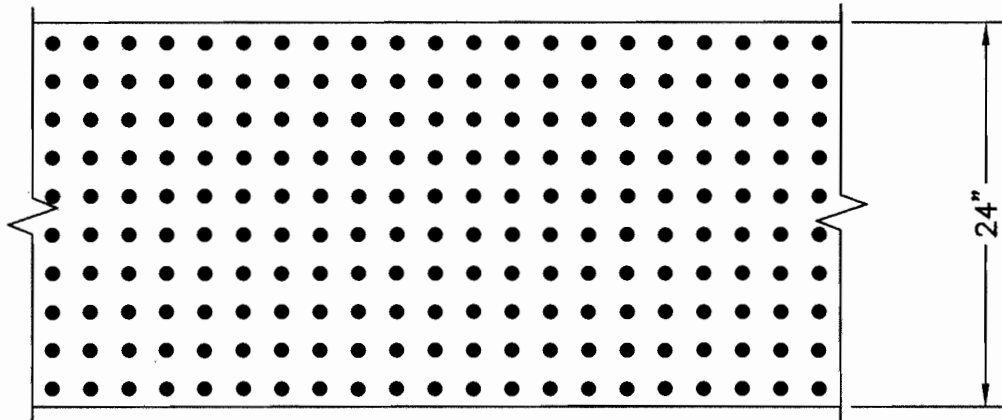
LOCATION:

1. DETECTABLE WARNING SURFACES SHALL BE PROVIDED WHERE A CURB RAMP OR LANDING CONNECTS TO A CROSSWALK AND OR PEDESTRIAN ROUTE CROSSING A ROADWAY.
2. DETECTABLE WARNING SURFACES SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE IS 6" (150 MM) MINIMUM AND 8" (205 MM) MAXIMUM FROM THE CURB LINE.
3. MEDIAN AND REFUGELANDS SHALL HAVE DETECTABLE WARNINGS. DETECTABLE WARNINGS AT CUT THROUGH ISLAND SHALL BE SEPERATED BY A 24" (610 MM) MINIMUM LENGTH OF CULKWAY WITHOUT WARNINGS

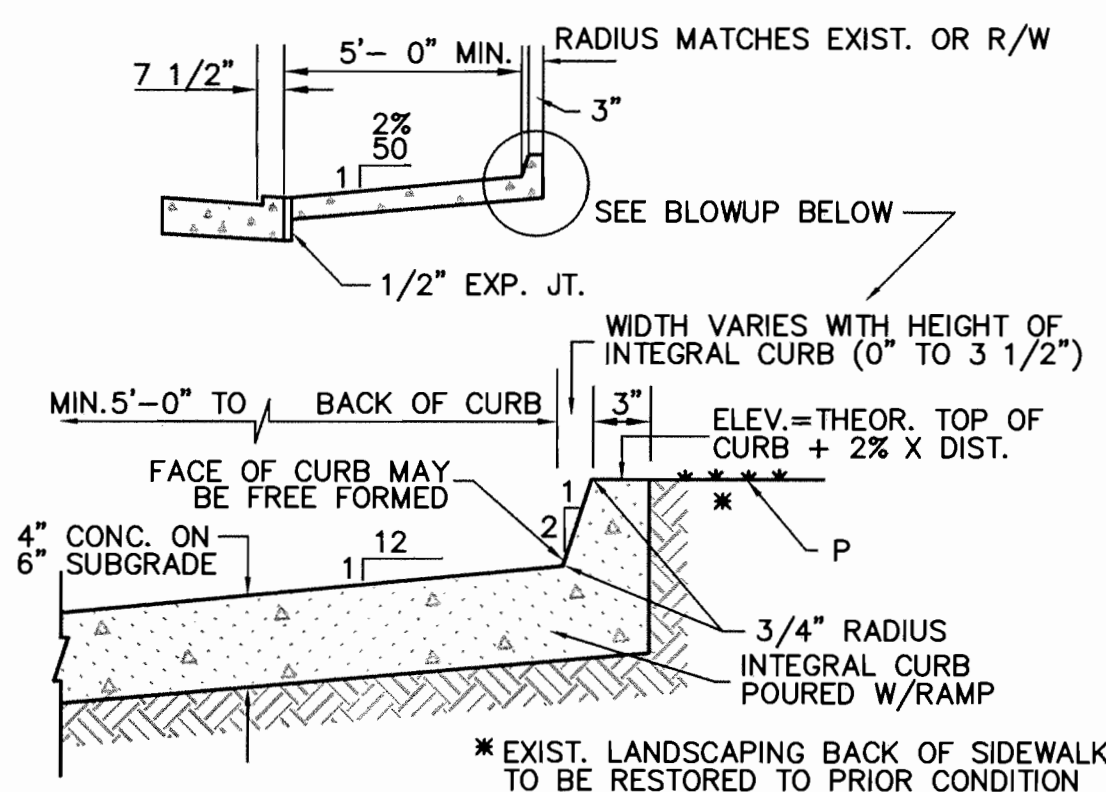
EXCEPTION: DETECTABLE WARNINGS SHALL NOT BE REQUIRED ON CUT THROUGH ISLANDS WHERE THE CROSSINGS ARE CONTROLLED BY SIGNALS AND ARE TIMED FOR FULL CROSSING ON MEDIANS LESS THAN 7' WIDE

NOTES:

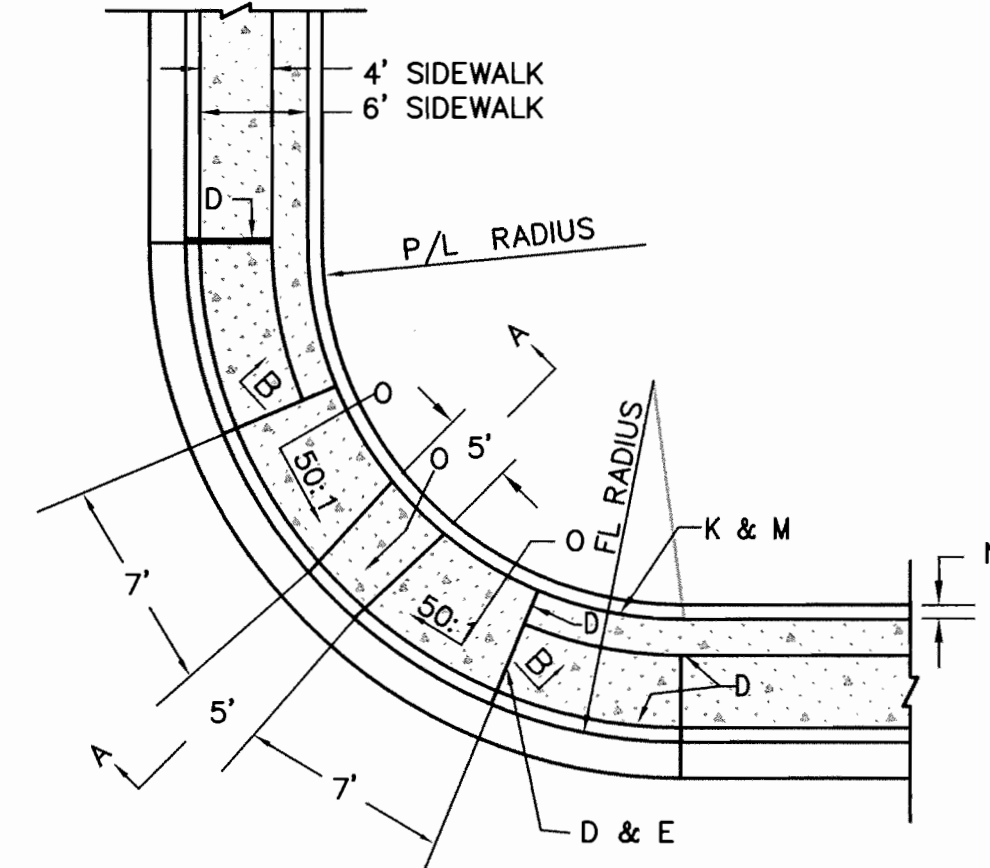
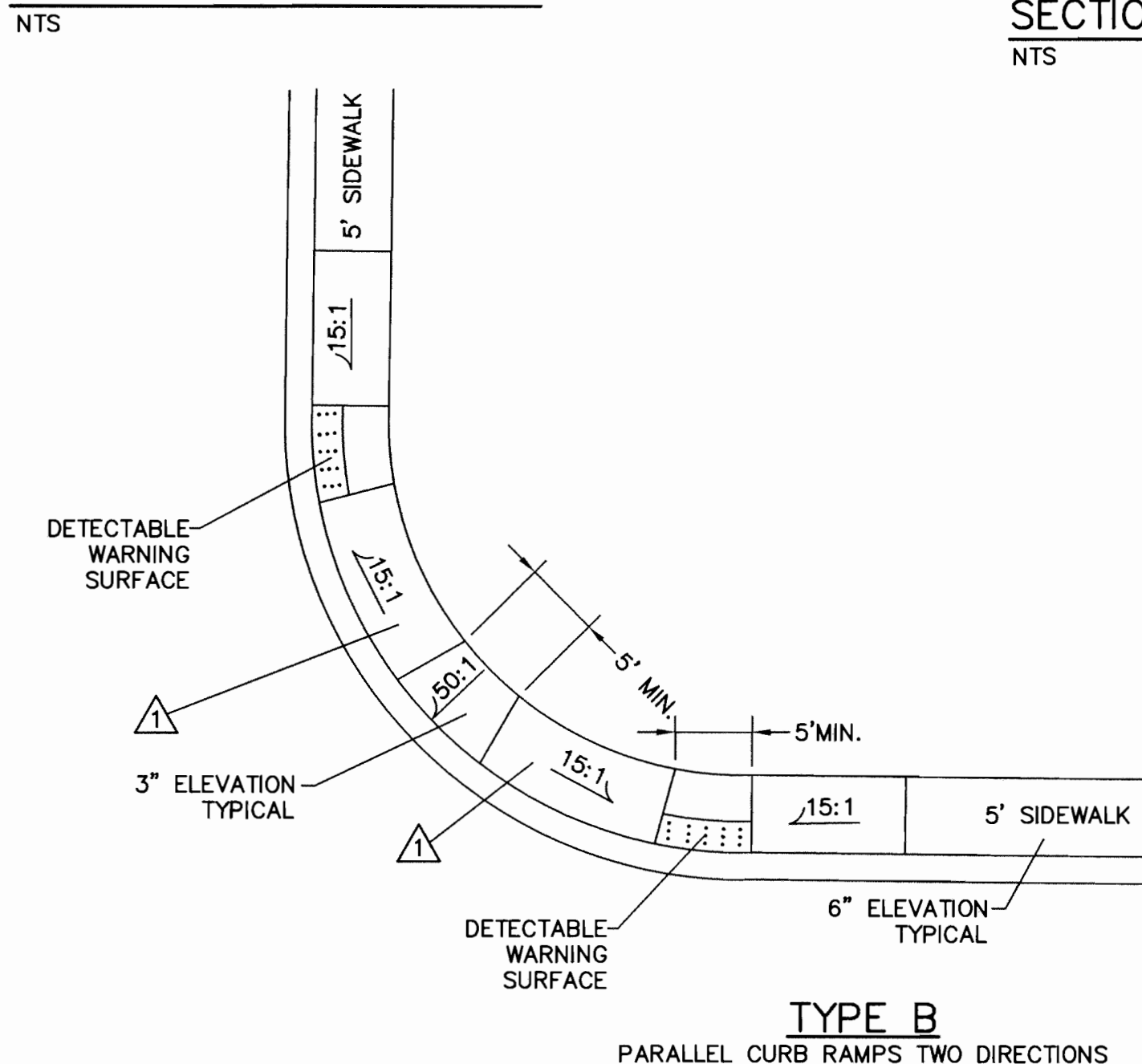
1. DETAILS SPECIFIED ON THIS PLAN APPLY TO ALL CONSTRUCTION OR RECONSTRUCTION OF STREETS, CURBS, OR SIDEWALKS BY ALL PUBLIC AGENCIES AND BY ALL PRIVATE ORGANIZATIONS CONSTRUCTING FACILITIES FOR PUBLIC USE.
2. SIDEWALK RAMPS ARE TO BE LOCATED AS SPECIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
3. THE TOP OF THE JOINT FILLER FOR ALL RAMP TYPES SHALL BE FLUSH WITH THE ADJACENT CONCRETE.
4. ALL PRODUCTS USED FOR THE DETECTABLE WARNING SURFACES SHALL BE ON THE DEPARTMENT'S APPROVED PRODUCT LIST.
5. PRODUCTS SHALL BE CAST-IN-TACT AND RED IN COLOR.



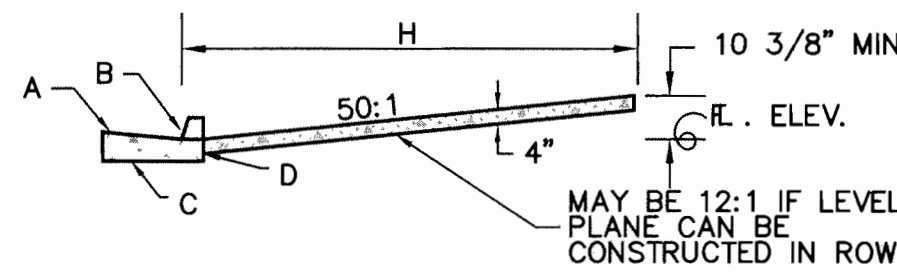
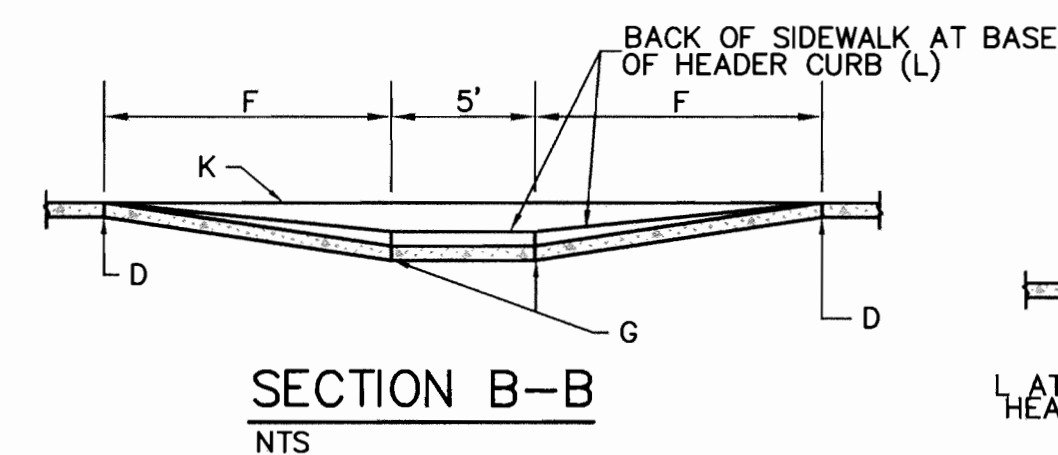
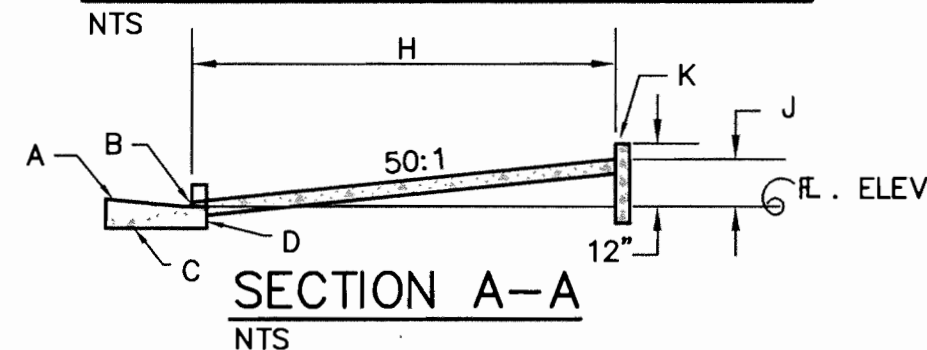
CASE II ADEQUATE R.O.W. FOR  
SETBACK SDWK ADJACENT TO PL



ALTERNATE SECTION A-A



### CASE I INSUFFICIENT R.O.W. FOR FULL LENGTH RAMP



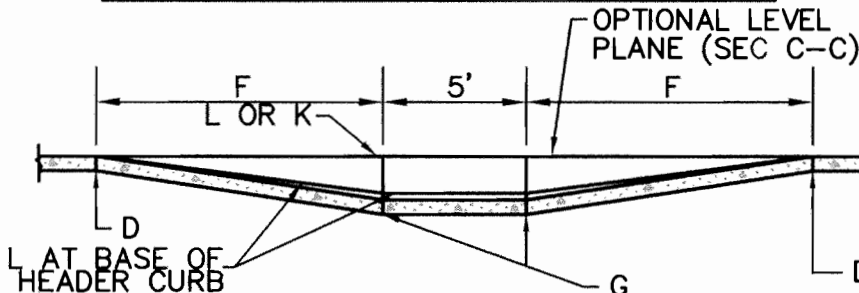
GENERAL NOTES:

1. CURB ACCESS RAMPS ARE NORMALLY TO BE LOCATED AT THE CENTER OF THE RETURN OR AS DIRECTED BY THE CITY TRAFFIC ENGINEER.
2. SURFACE TEXTURE OF CURB ACCESS RAMPS SHALL BE OBTAINED BY HEAVY BROOMING (CURBURE DEPTH 0.35"), TRANSVERSE TO THE SLOPE OF THE RAMP.
3. GUTTER FLOWLINE PROFILE SHALL BE MAINTAINED THROUGH THE AREA OF THE RAMP. DRAINAGE CATCH BASIN STRUCTURES SHALL NOT BE PLACED IN LINE WITH THE RAMPS.
4. WIDTH OF SIDEWALK AND RAMP MUST BE MAINTAINED AT A MINIMUM OF 5'-0" THROUGH ENTIRE RAMP LENGTH.

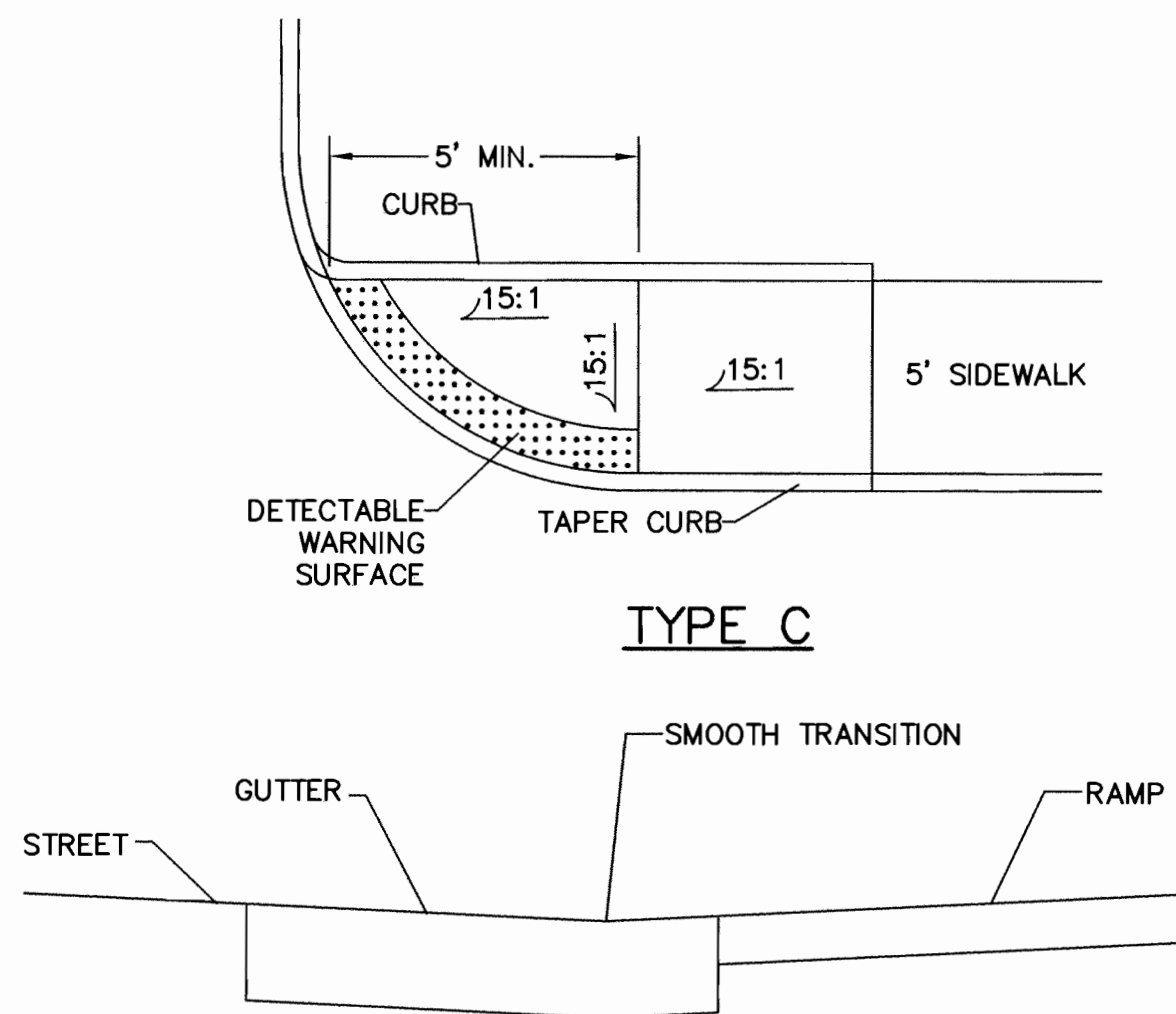
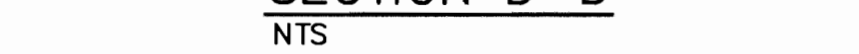
CONSTRUCTION NOTES:

- A. SLOPE OF GUTTER DEPENDENT ON REQUIREMENTS FOR VALLEY GUTTER.  
B. 1/4" UP ABOVE LOW LINE (VERTICAL), SEE DWG 2412.  
C. CURB & GUTTER (SEE STD DWG. 2415 GUTTER AT CURB ACCESS RAMP)  
D. 1/2" EXPANSION JOINT.  
E. PARALLEL LINES TO TOP AND BOTTOM OF RAMP.  
F. AT JUNCTION OF CURB (SEE STD DWG 2418)  
G. CONTRACTION (DUMMY) JOINT.  
H. VARIES WITH AVAILABLE R.O.W.  
I. VARIABLE.  
J. WARDER CURB, SEE DWG. 2415.  
K. BACK OF SIDEWALK.  
L. BACK OF SIDEWALK RADIUS TO BE ESTABLISHED SO AS TO MAINTAIN A 5'-0" RAMP WIDTH (MINIMUM) OR NONE THROUGHOUT (SEE STD. DWG 2440 (OPTION 5) IF LESS THAN 5'-0" IS AVAILABLE DUE TO CONTINUELY UNSOLVABLE CONSTRAINTS  
N. 4 1/2" MAX.  
O. 12" SLOPE MAXIMUM ON RAMP.  
P. ANY PRIVATE LANDSCAPING OR IRRIGATION SHALL BE RESTORED TO A 5'-0" RAMP WIDTH (MINIMUM) OR ORIGINAL CONDITION, SHOULD ANY IMPROVEMENTS BE NEEDED TO BE REMOVED, OWNER MUST BE NOTIFIED

|      | △   | P RAD | CUR RAD | P CURB WIDTH | BACKSWRAD |
|------|-----|-------|---------|--------------|-----------|
| BASE | 90° | 25'   | 25'     | 4'           | 25'       |
|      | 90° | 30'   | 25'     | 4'           | 30'       |
|      | 90° | 25'   | 30'     | 4'           | 25'       |
|      | 90° | 30'   | 30'     | 4'           | 30'       |

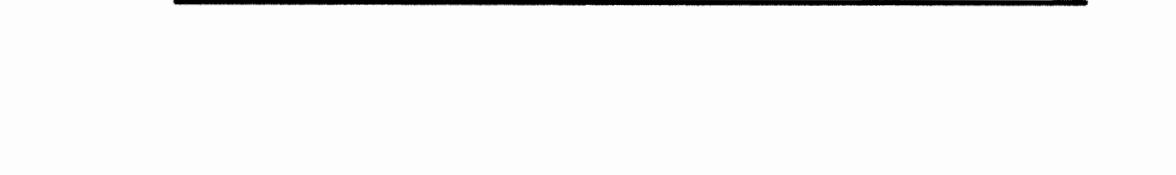


## SECTION D-D



## TYPE C

### RAMP TO LANDING TRANSITION



- ## 1. ADA FABRICATORS

CONCRETE SYSTEMS INC., 884-1134. ADA  
FABRICATORS PHONE NUMBER IS (978) 262-9900.

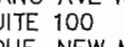
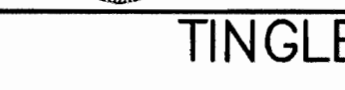
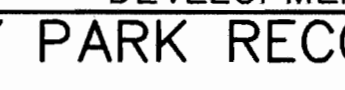
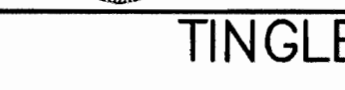
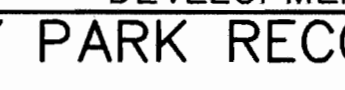
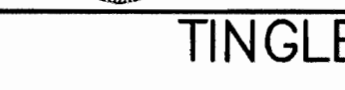
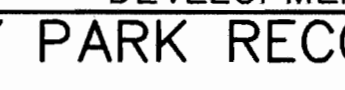
- ## 2. ARMOR-TILE

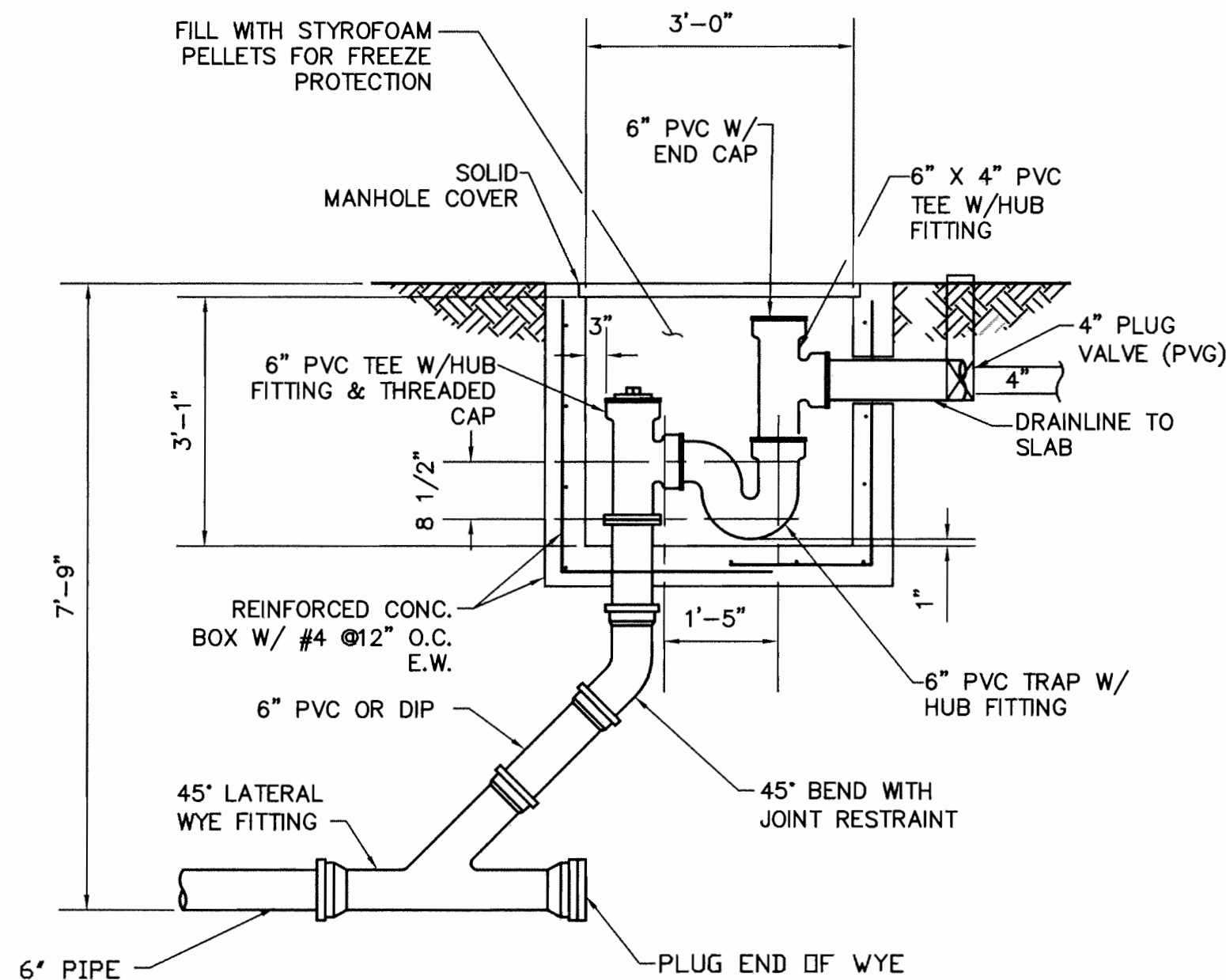
BOTH CAST-IN-PLACE AND RETROFIT PRODUCTS. LOCAL VENDOR IS WHITE CAP CONSTRUCTION SUPPLY, 872-2244. ARMOR-TILE'S PHONE NUMBER IS (800)682-2525.

- ### 3. WAUSAU TILE

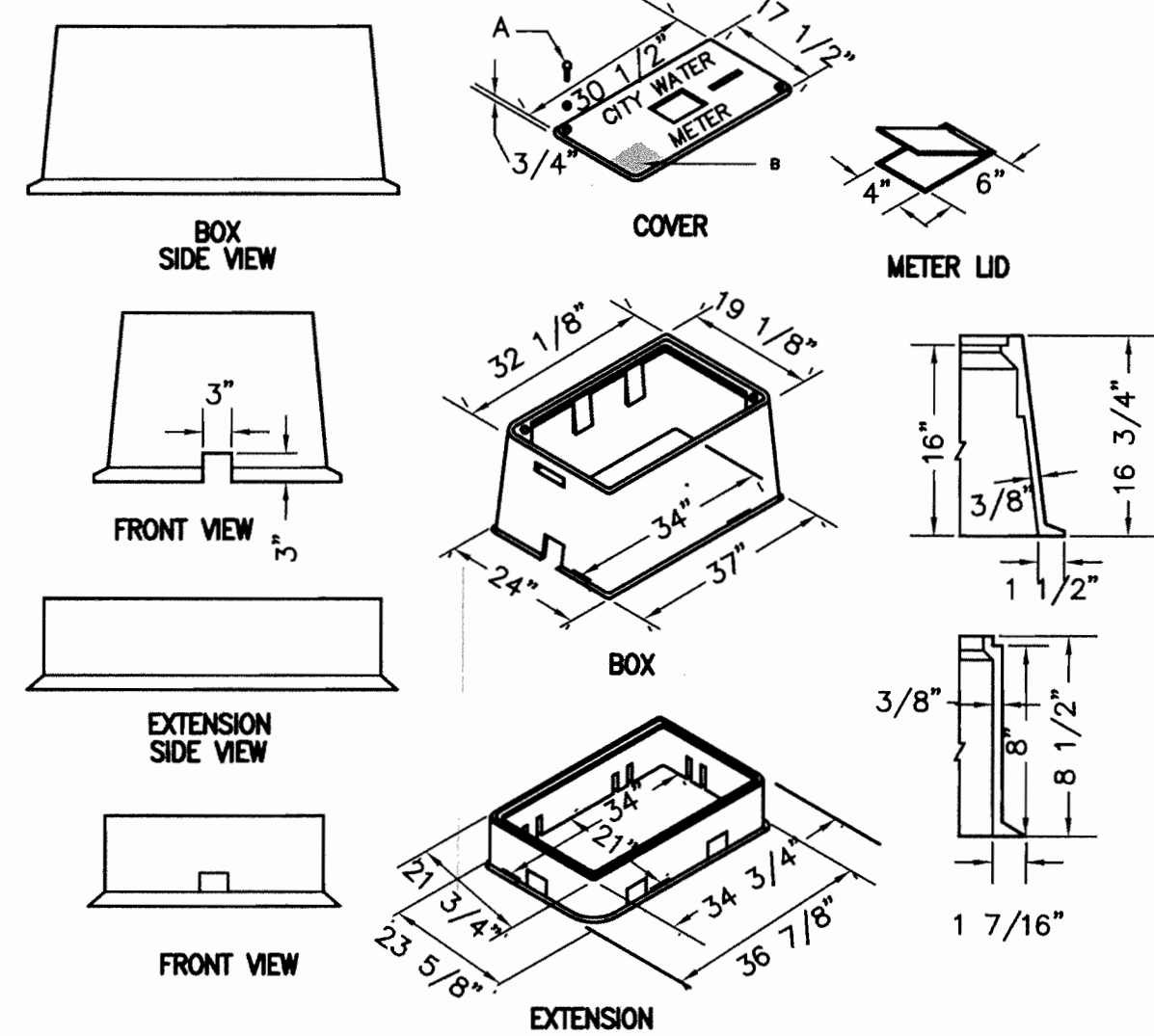
CAST-IN-PLACE ONLY. IF YOU CHOOSE TO USE THIS PRODUCT, YOU WILL HAVE TO SAW CUT A 4'X2' HOLE IN EVERY EXISTING ADA RAMP. USE TWO 2'X2' PAVERS PER RAMP. USE COLOR NUMBER U4008. (800)388-8728.

WCEA #0660012300  
MARCH 2007

|                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                       |                                                                                                                        |                                                                                                              |                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                           |                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                       |                                                                                                 |           |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------|--|
| <br><b>WILSON &amp; COMPANY</b><br>4900 LANG AVE N.E.<br>SUITE 100<br>ALBUQUERQUE, NEW MEXICO 87109<br>(505) 348-4000<br>FAX (505) 348-4072<br><a href="http://www.wilcoinc.com">www.wilcoinc.com</a> | <br><b>CITY OF ALBUQUERQUE</b><br>DEPARTMENT OF MUNICIPAL DEVELOPMENT<br><br><b>TINGLEY PARK RECONSTRUCTION</b><br><b>WHEELCHAIR RAMP DETAILS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                       |                                                                                                                        |                                                                                                              |                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                           |                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                       |                                                                                                 |           |  |
| <b>TERRA CREATAS</b><br><br>Landscape Architecture<br>4304 Broad St NE, Albuquerque, NM 87109<br>505.851.3262                                                                                         | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;"> <b>Design Review Committee</b><br/>  </td> <td style="width: 50%; text-align: center;"> <b>City Engineer Approval</b><br/>  </td> </tr> <tr> <td style="width: 50%; vertical-align: top;"> <b>City Project No.</b><br/> <div style="font-size: 2em; font-weight: bold; text-align: center;">7963.91</div> </td> <td style="width: 50%; vertical-align: top;"> <b>Zone Map No.</b><br/> <div style="font-size: 2em; font-weight: bold; text-align: center;">K-13</div> </td> </tr> </table> | <b>Design Review Committee</b><br>                                                                                                                                                                                               | <b>City Engineer Approval</b><br> | <b>City Project No.</b><br><div style="font-size: 2em; font-weight: bold; text-align: center;">7963.91</div> | <b>Zone Map No.</b><br><div style="font-size: 2em; font-weight: bold; text-align: center;">K-13</div> | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%; text-align: center; vertical-align: top;"><b>Last Design Update</b></td> <td style="width: 40%; text-align: center; vertical-align: top;"> <b>Mo./Day/Yr.</b><br/> <div style="border: 1px solid black; height: 30px; margin: 2px;"></div> <div style="border: 1px solid black; height: 30px; margin: 2px;"></div> <div style="border: 1px solid black; height: 30px; margin: 2px;"></div> <div style="border: 1px solid black; height: 30px; margin: 2px;"></div> </td> <td style="width: 40%; text-align: center; vertical-align: top;"> <b>Mo./Day/Yr.</b><br/> <div style="border: 1px solid black; height: 30px; margin: 2px;"></div> <div style="border: 1px solid black; height: 30px; margin: 2px;"></div> <div style="border: 1px solid black; height: 30px; margin: 2px;"></div> <div style="border: 1px solid black; height: 30px; margin: 2px;"></div> </td> </tr> <tr> <td style="text-align: center; vertical-align: top;"> <b>Sheet</b><br/> <div style="font-size: 2em; font-weight: bold; text-align: center;">C-505</div> </td> <td colspan="2" style="text-align: center; vertical-align: top;"> <b>Of</b> </td> </tr> </table> | <b>Last Design Update</b> | <b>Mo./Day/Yr.</b><br><div style="border: 1px solid black; height: 30px; margin: 2px;"></div> <div style="border: 1px solid black; height: 30px; margin: 2px;"></div> <div style="border: 1px solid black; height: 30px; margin: 2px;"></div> <div style="border: 1px solid black; height: 30px; margin: 2px;"></div> | <b>Mo./Day/Yr.</b><br><div style="border: 1px solid black; height: 30px; margin: 2px;"></div> <div style="border: 1px solid black; height: 30px; margin: 2px;"></div> <div style="border: 1px solid black; height: 30px; margin: 2px;"></div> <div style="border: 1px solid black; height: 30px; margin: 2px;"></div> | <b>Sheet</b><br><div style="font-size: 2em; font-weight: bold; text-align: center;">C-505</div> | <b>Of</b> |  |
| <b>Design Review Committee</b><br>                                                                                                                                                                    | <b>City Engineer Approval</b><br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                       |                                                                                                                        |                                                                                                              |                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                           |                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                       |                                                                                                 |           |  |
| <b>City Project No.</b><br><div style="font-size: 2em; font-weight: bold; text-align: center;">7963.91</div>                                                                                                                                                                               | <b>Zone Map No.</b><br><div style="font-size: 2em; font-weight: bold; text-align: center;">K-13</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                       |                                                                                                                        |                                                                                                              |                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                           |                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                       |                                                                                                 |           |  |
| <b>Last Design Update</b>                                                                                                                                                                                                                                                                  | <b>Mo./Day/Yr.</b><br><div style="border: 1px solid black; height: 30px; margin: 2px;"></div> <div style="border: 1px solid black; height: 30px; margin: 2px;"></div> <div style="border: 1px solid black; height: 30px; margin: 2px;"></div> <div style="border: 1px solid black; height: 30px; margin: 2px;"></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Mo./Day/Yr.</b><br><div style="border: 1px solid black; height: 30px; margin: 2px;"></div> <div style="border: 1px solid black; height: 30px; margin: 2px;"></div> <div style="border: 1px solid black; height: 30px; margin: 2px;"></div> <div style="border: 1px solid black; height: 30px; margin: 2px;"></div> |                                                                                                                        |                                                                                                              |                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                           |                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                       |                                                                                                 |           |  |
| <b>Sheet</b><br><div style="font-size: 2em; font-weight: bold; text-align: center;">C-505</div>                                                                                                                                                                                            | <b>Of</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                       |                                                                                                                        |                                                                                                              |                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                           |                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                       |                                                                                                 |           |  |



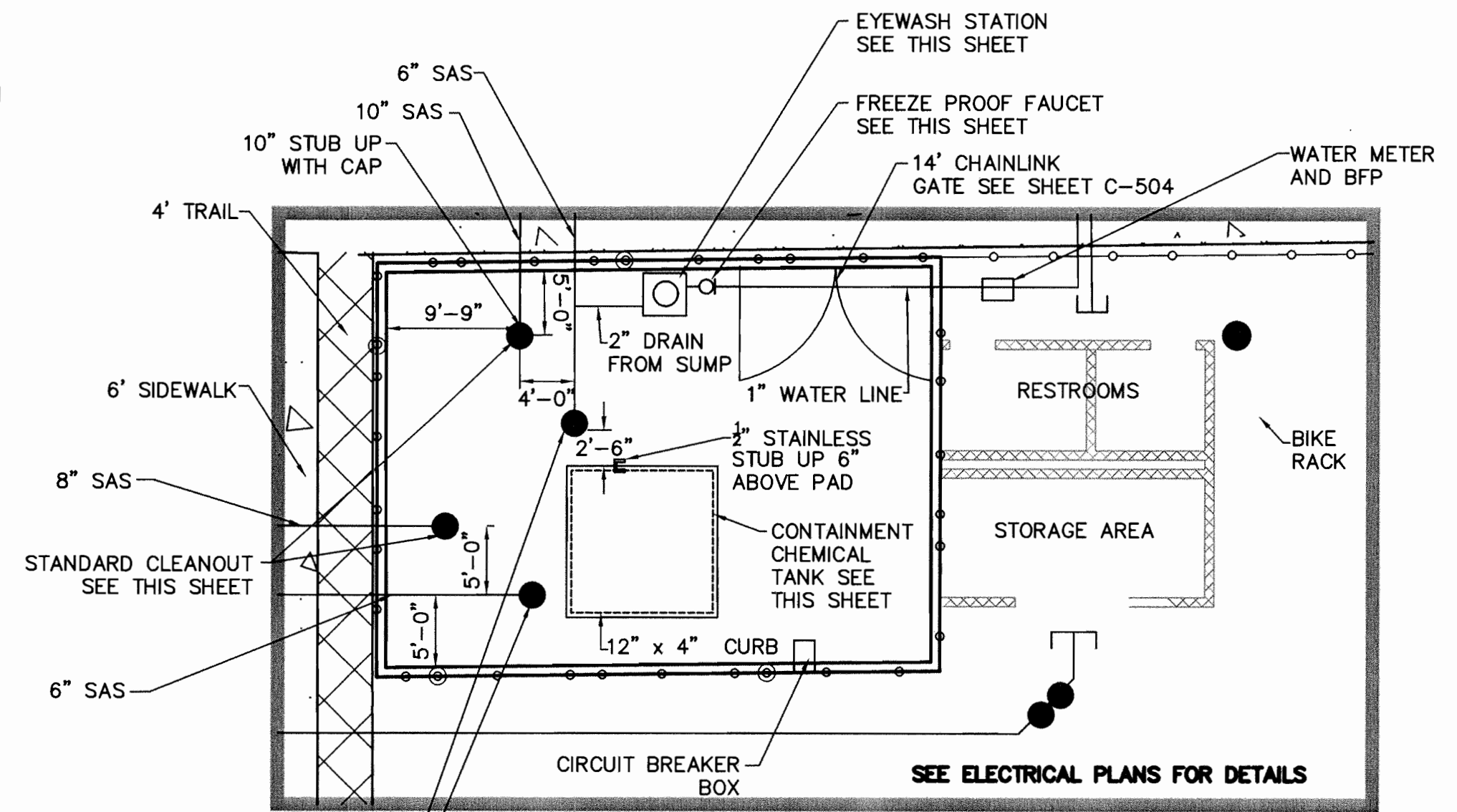
**FIGURE 1 ODOR CONTROL SYSTEM  
CLEANOUT W/ WATERTRAP**  
N.T.S.



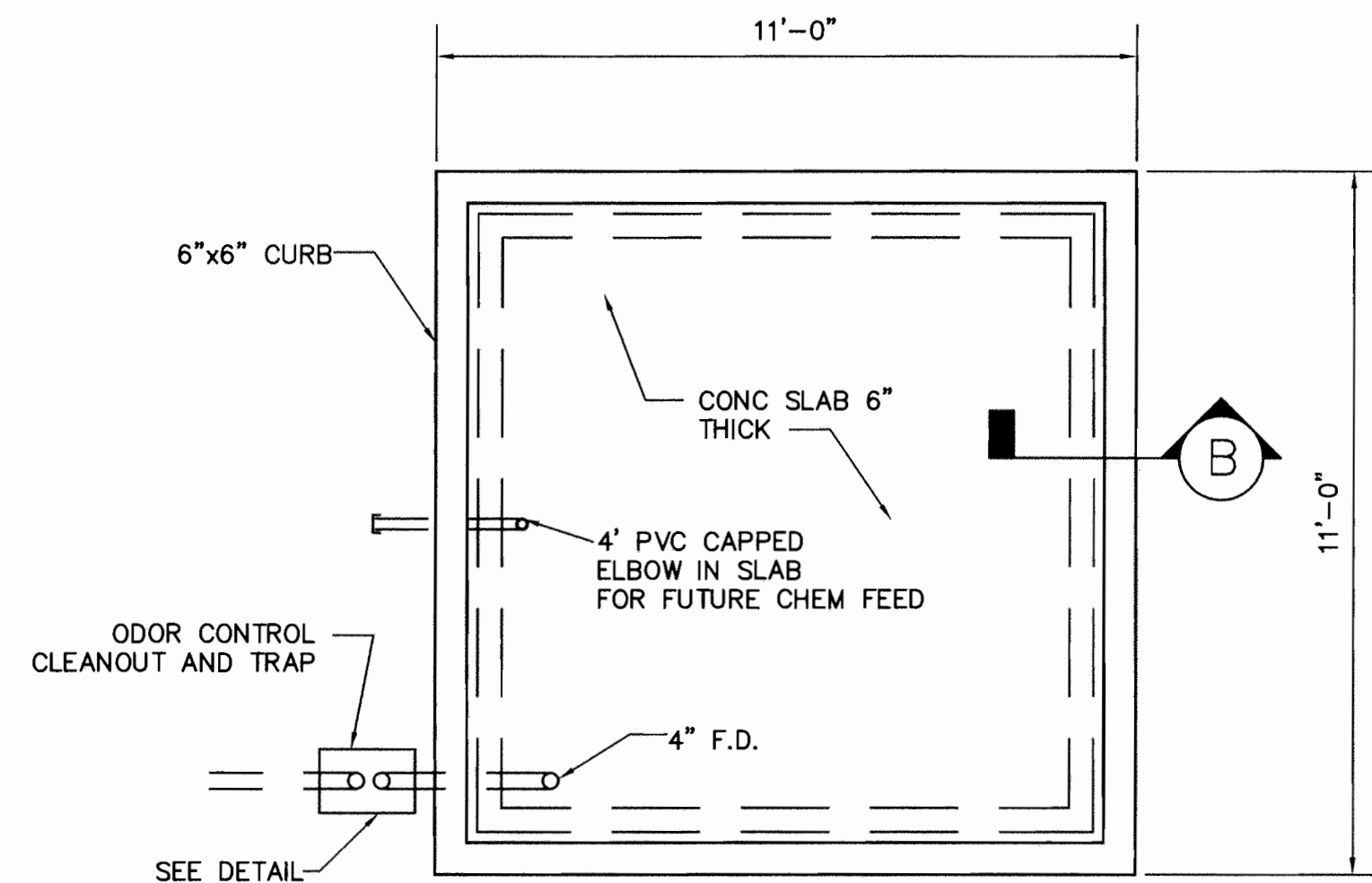
**METER BOX COVER & LID**  
N.T.S.

- GENERAL NOTES:**
- METER BOX W/COVER & LID FOR 1 1/2" & 2" METERS. QUAZITE COMPOSITE MODEL BOX PX1730B EXTENSION PX1730E COVER W/LID PX1730CM OR APPROVED EQUAL.

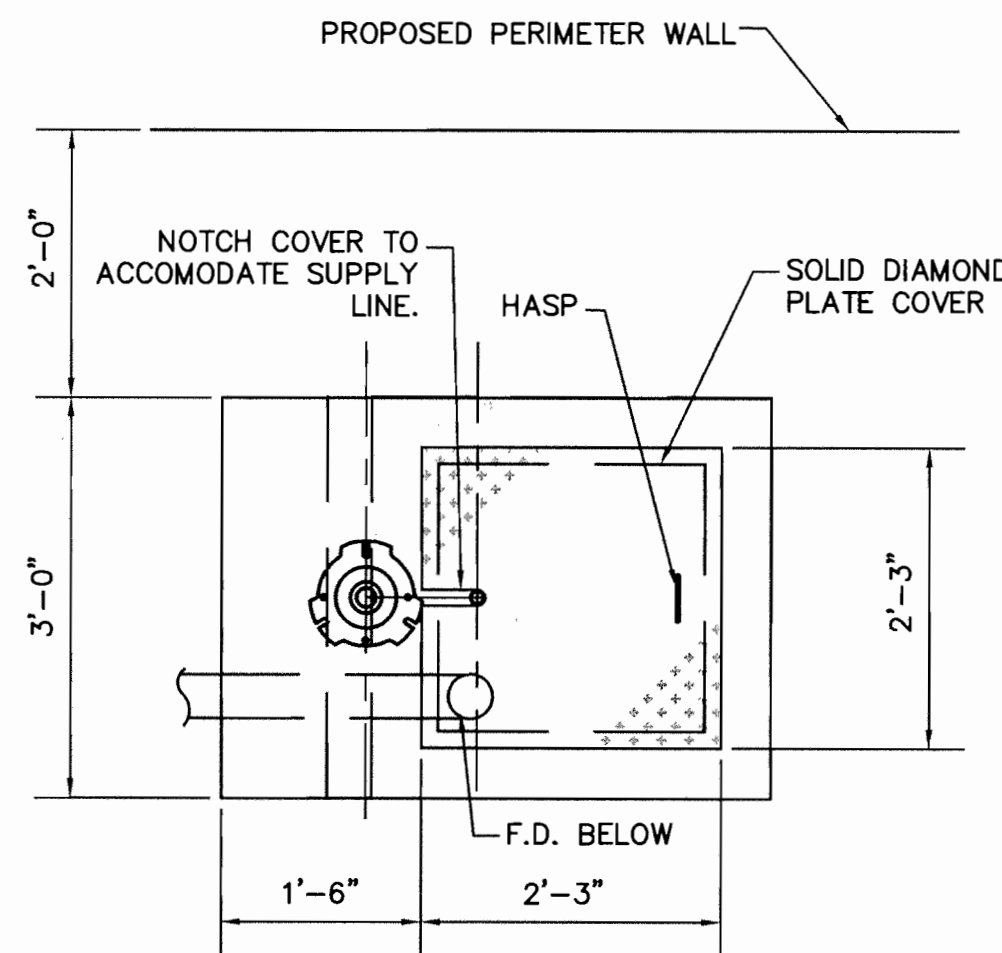
- CONSTRUCTION NOTES:**
- 3/8" - 16NC HEX. HD. BOLT, 2 REQUIRED WITH WASHERS.
  - SKID RESISTANT SURFACE.
  - 3" X 3" PIPE HOLE AT EACH END.



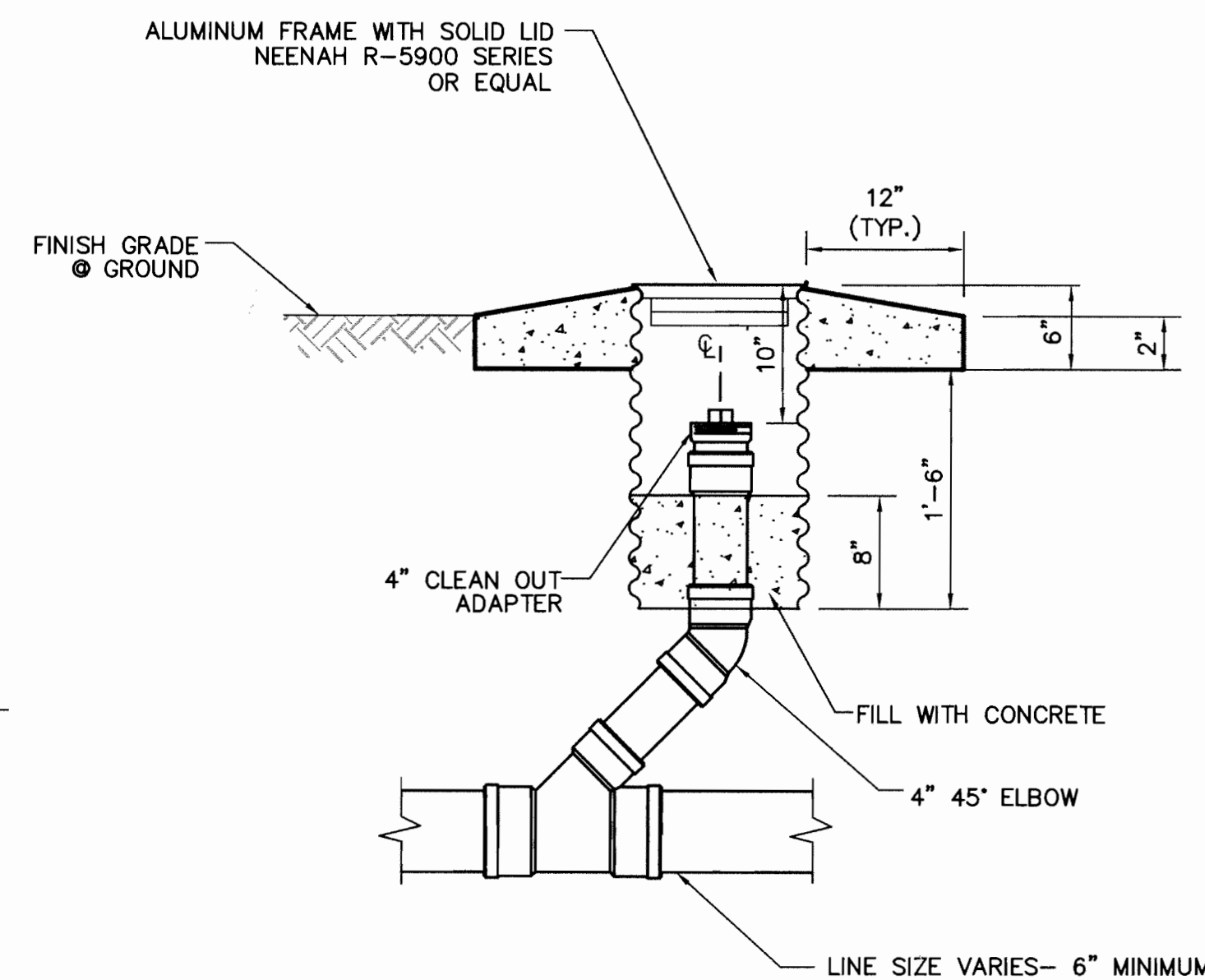
**ODOR CONTROL STATION DETAIL**  
SCALE: 1"=10'



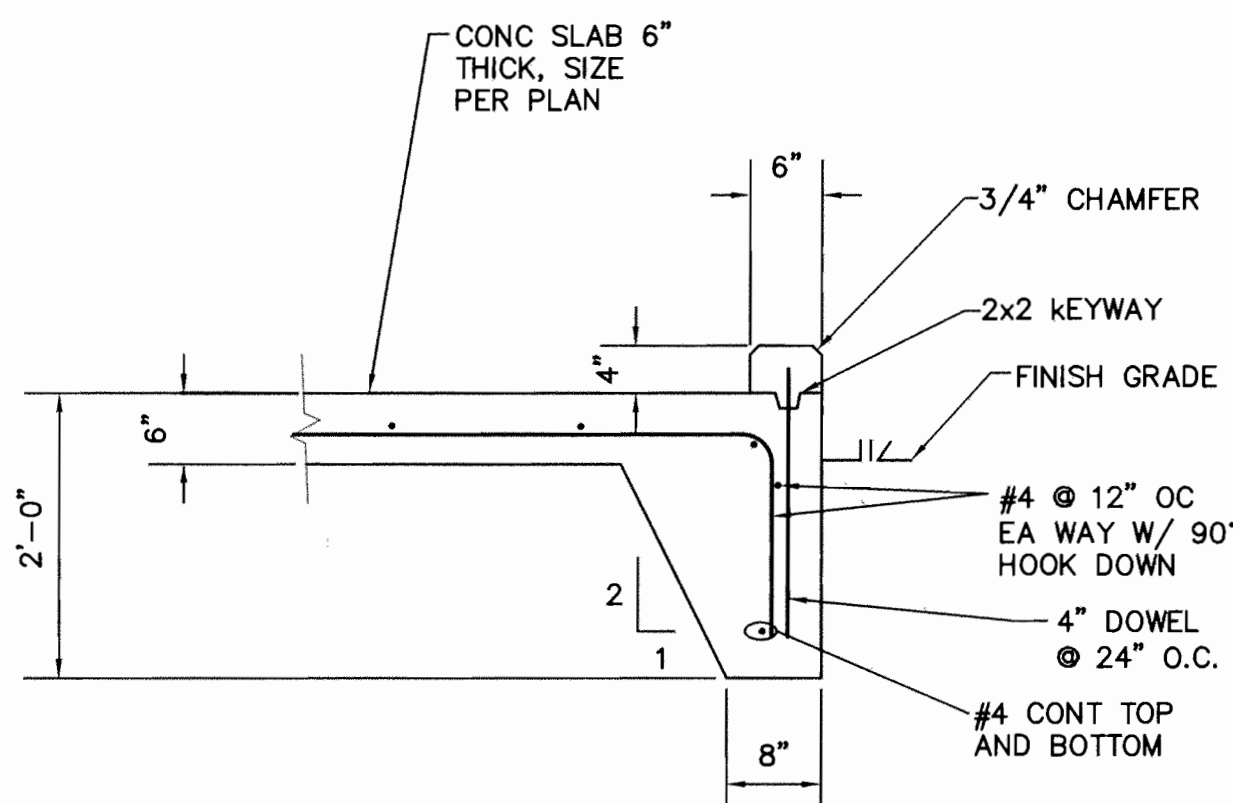
**FIGURE 4 CONTAINMENT SLAB PLAN**  
N.T.S.



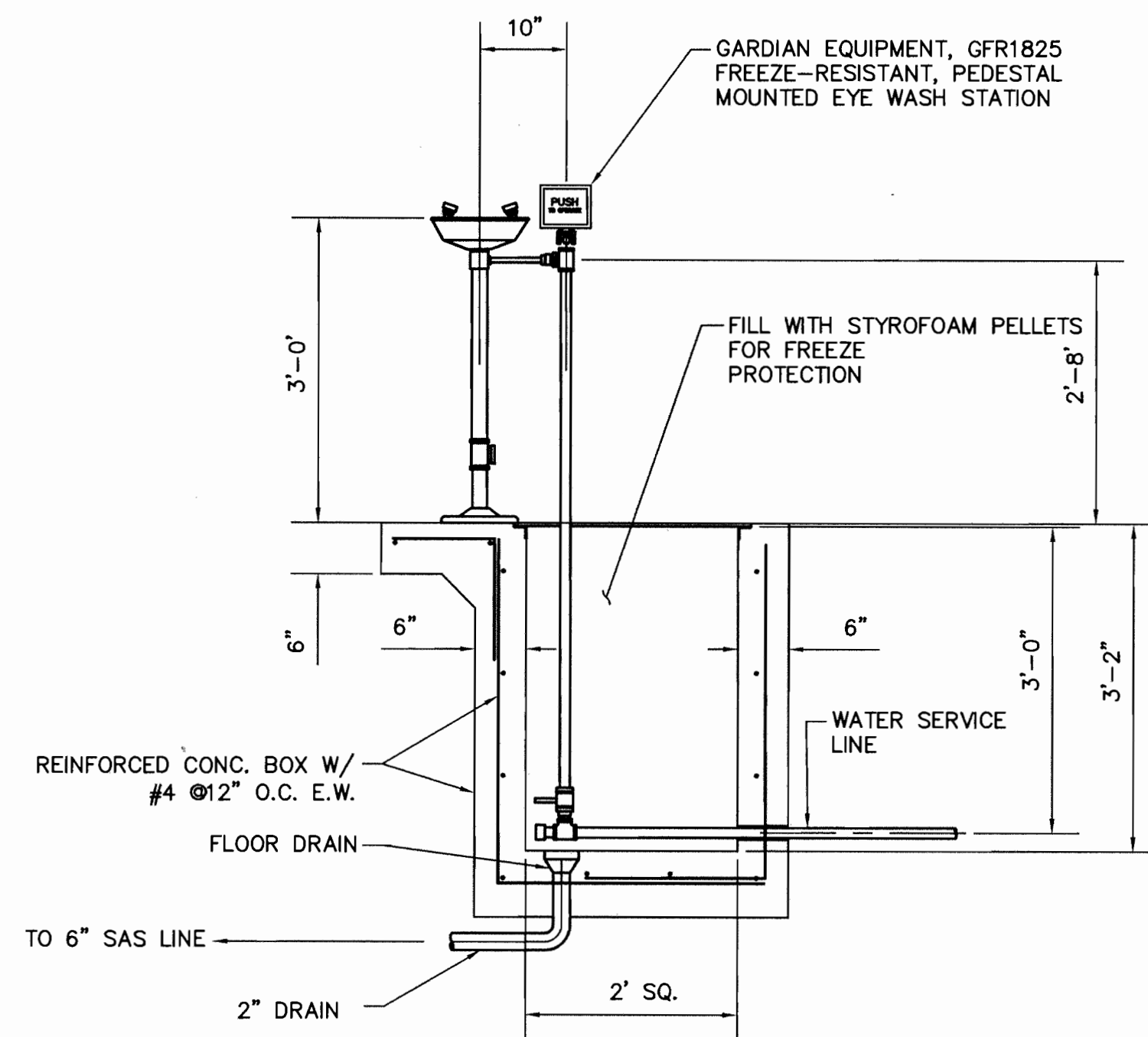
**FIGURE 3 EYEWASH PLAN**  
N.T.S.



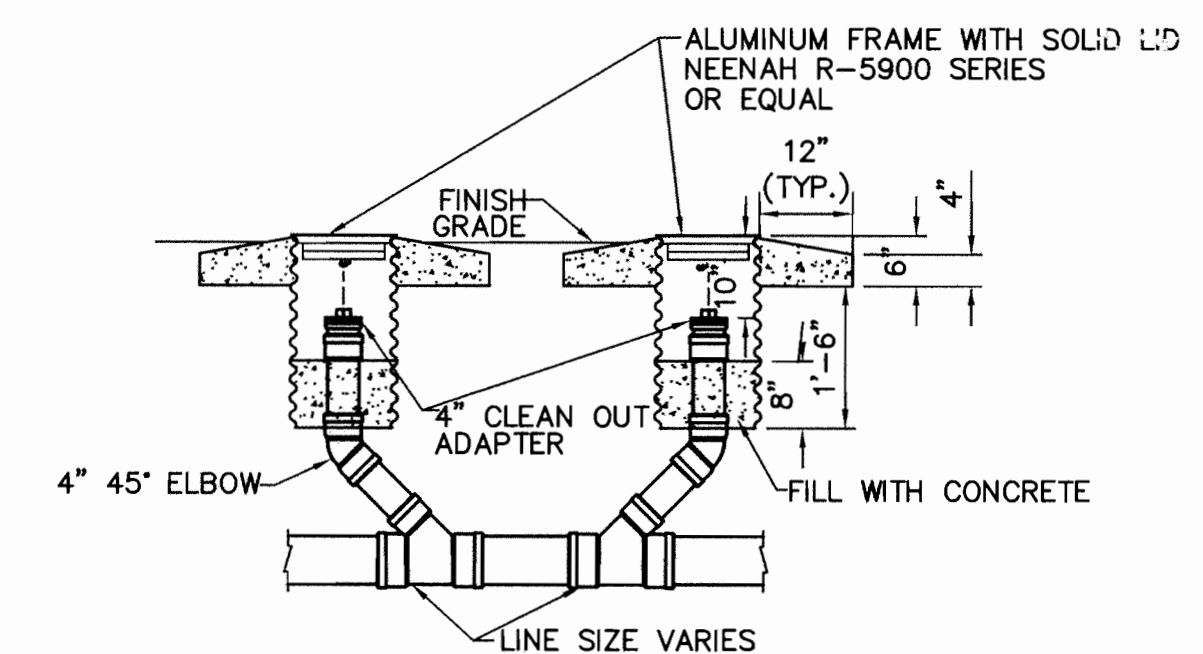
**STANDARD DRAIN LINE CLEANOUT DETAIL**  
N.T.S.



**FIGURE 4 SECTION B  
CONTAINMENT SLAB TURNDOWN EDGE**  
N.T.S.

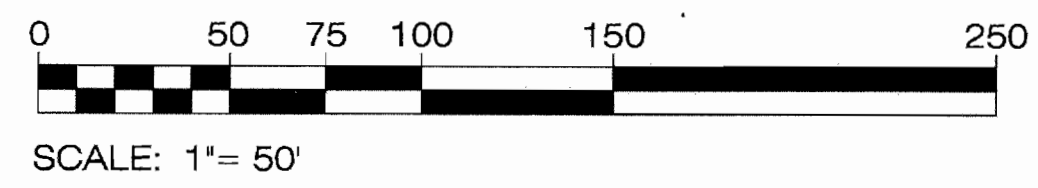


**FIGURE 3 EYEWASH SECTION**  
N.T.S.

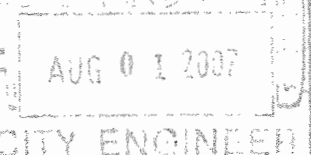
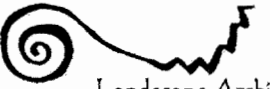


**DOUBLE CLEANOUT DETAIL**  
N.T.S.

|                                                                                                                                                              |                                                                           |                                                                                                                                          |                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| <b>WILSON &amp; COMPANY</b><br>4900 LANG AVE. N.E.<br>SUITE 100<br>ALBUQUERQUE, NEW MEXICO 87109<br>(505) 348-4000<br>FAX (505) 348-4072<br>www.wilsonco.com |                                                                           | CITY OF ALBUQUERQUE<br>DEPARTMENT OF MUNICIPAL DEVELOPMENT<br><b>TINGLEY PARK RECONSTRUCTION</b><br><b>MISCELLANEOUS UTILITY DETAILS</b> |                            |
| Design Review Committee<br><b>APPROVED</b><br>AUG 01 2007<br>DESIGN REVIEW COMMITTEE                                                                         | City Engineer Approval<br><b>APPROVED</b><br>AUG 01 2007<br>CITY ENGINEER | Mo./Day/Yr.<br>Mo./Day/Yr.                                                                                                               | Mo./Day/Yr.<br>Mo./Day/Yr. |
| City Project No.<br><b>7963.91</b>                                                                                                                           | Zone Map No.<br><b>K-13</b>                                               | Sheet<br><b>C-506</b>                                                                                                                    | Of<br><b>1</b>             |



1. CONCRETE CONTROL JOINTS SHALL BE PLACED AS SHOWN ON THE LAYOUT SHEET L-103.
2. EXPANSION JOINT MATERIAL SHALL CONFORM SMOOTHLY TO SHAPE OF ADJACENT FIXED OBJECT.
3. TOP OF CONCRETE FLAT WORK SHALL BE CONSTRUCTED FLUSH WITH TOP OF ADJACENT CURB/PAVING.
4. CONCRETE WORK SHALL BE CONSTRUCTED PER C.O.A. STANDARD SPECIFICATIONS.
5. CONCRETE SHALL HAVE POSITIVE DRAINAGE TOWARD THE NEAREST INLET, 2% MAXIMUM. REFERENCE CIVIL SHEETS FOR ADDITIONAL GRADING & DRAINAGE INFORMATION.
6. CONTRACTOR SHALL USE CAUTION TOWARD ALL EXISTING UTILITIES AND UNDERGROUND DRAINAGE WITH SPECIAL CARE REGARDING ELECTRICAL RUNS FOR EXTERIOR LIGHTING DURING ALL CONSTRUCTION ACTIVITIES.

|  <p><b>WILSON<br/>&amp; COMPANY</b></p> <p>4900 LANG AVE N.E.<br/>SUITE 100<br/>ALBUQUERQUE, NEW MEXICO 87109</p> <p>(505) 348-4000<br/>FAX (505) 348-4072<br/>www.wilsonco.com</p> |             | <p>CITY OF ALBUQUERQUE<br/>DEPARTMENT OF MUNICIPAL DEVELOPMENT<br/>STORM DRAINAGE</p> <p>TINGLEY PARK RECONSTRUCTION</p> <p>LANDSCAPE CONSTRUCTION PLAN BASE BID</p> |  |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                |             |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| <p>Design Review Committee</p>                                                                                                                                                      |             | <p>City Engineer Approval</p>                                                   |  | <p>Last Design Update</p>       | <table border="1"> <thead> <tr> <th>Mo./Day/Yr.</th> <th>Mo./Day/Yr.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table> | Mo./Day/Yr. | Mo./Day/Yr. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mo./Day/Yr.                                                                                                                                                                                                                                                              | Mo./Day/Yr. |                                                                                                                                                                      |  |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                |             |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| <p>TERRA CREATAS</p>  <p>Landscape Architecture</p> <p>4500 Broad St. N.E. Albuquerque, NM 87109<br/>505.881.2662</p> <p>C. Patricia Westbrook, ASLA</p>                            |             | <p>City Project No.</p> <p>7963.91</p>                                                                                                                               |  | <p>Zone Map No.</p> <p>K-13</p> | <p>Sheet</p> <p>L-101A</p>                                                                                                                                                                                                                                                                                                                                                                                                     |             |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

CONSTRUCTION KEYED NOTES

ADDITIVE ALTERNATE #2 - PLAY AREA A

- 1 FURNISH AND INSTALL PLAY EQUIPMENT. SEE SHEET L-102 FOR PLAY AREA PLANS AND EQUIPMENT PLACEMENT.
- 2 FURNISH AND INSTALL BENCHES. BENCHES SHALL BE DUMOR RECYCLED PLASTIC BACKLESS 6' BENCH, MODEL NO. 105-60PL, (OR APPROVED EQUAL) SUPPORT OPTION, S-1 EMBEDMENT, NOTE 12" OF COMPACTED WOOD FIBER MULCH IN SETTING BENCH HEIGHT (18"). COLOR: RECYCLED PLASTIC COLOR GREY, POLYESTER POWDER FINISH BRONZE. INSTALL PER MANUFACTURER'S INSTRUCTIONS. AVAILABLE FROM DUMOR, INC. (800) 598-4018, www.dumor.com.
- 3 FURNISH AND INSTALL SHADE STRUCTURE OVER PLAY AREA. SHADE STRUCTURE SHALL BE MEGA-SPANS, 48' X 58' CLEAR SPAN SHADE COVER, (OR APPROVED EQUAL) EAVE HEIGHT 14'. COLOR: 'COOLNET' SHADE FABRIC FOREST GREEN, POSTS AND FRAME EVERGREEN. SHADE STRUCTURE SHALL BE AS MANUFACTURED BY SHADE SYSTEMS, INC., 4150 SW 19TH STREET, OCALA, FL 34474, PHONE 800-609-6066, www.shadesystemsinc.com. INSTALL PER MANUFACTURER'S INSTRUCTIONS WITH AN IN GROUND BURY FOOTING DESIGN, DESIGNED & DETAILED BY THE MANUFACTURER.
- 4 CONSTRUCT CONTAINMENT WALL (HEADER CURB) AT PLAY AREA SEE DETAIL A/L-102.
- 5 CONSTRUCT CONCRETE RAMP AT PLAY AREA WITH TURN DOWN EDGE. SEE DETAIL A/L-102 AND REFERENCE COA STANDARD DETAIL DWG. 2728.
- 6 CONSTRUCT CONCRETE PAVERS. CONCRETE PAVERS SHALL BE PAVESTONE 'HOLLAND' STONE INTERLOCKING CONCRETE PAVING STONE, PATTERN: PARQUET. CONCRETE PAVES COLOR SHALL BE WINTER BLEND. A BORDER EDGE OF PAVESTONE 'HOLLAND' STONE, COLOR: CHARCOAL SHALL BE CONSTRUCTED AROUND THE ENTIRE PERIMETER OF THE PAVERS TO PROVIDE A FINISHED EDGE. SEE DETAIL D/L-105.
- 7 MINIMUM 12" COMPACTED DEPTH OF ENGINEERED WOOD FIBER MULCH FOR PLAY AREAS AS AVAILABLE FROM WESTERN ORGANICS (505) 877-8672, OR APPROVED EQUAL, CONTINUOUS THROUGHOUT PLAY AREA.

ADDITIVE ALTERNATE #3 - SITE AMENITIES

- 8 FURNISH AND INSTALL PICNIC TABLES. PICNIC TABLES SHALL BE DUMOR RECYCLED PLASTIC PICNIC TABLE MODEL NO. 100-80PL (3) AND 100-88PL (H/C 1), (OR APPROVED EQUAL) SUPPORT OPTION, S-2 SURFACE MOUNT WITH VANDAL RESISTANT BOLTS. COLOR: RECYCLED PLASTIC COLOR GREY, POLYESTER POWDER FINISH BRONZE. INSTALL PER MANUFACTURER'S INSTRUCTIONS. AVAILABLE FROM DUMOR, INC. (800) 598-4018, www.dumor.com. SEE DETAIL C/L-108.
- 9 FURNISH AND INSTALL BENCHES. BENCHES SHALL BE DUMOR RECYCLED PLASTIC 8' BENCH WITH BACK, MODEL NO. 98-83PL, (OR APPROVED EQUAL) SUPPORT OPTION, S-2 SURFACE MOUNT WITH VANDAL RESISTANT BOLTS. COLOR: RECYCLED PLASTIC COLOR GREY, POLYESTER POWDER FINISH BRONZE. INSTALL PER MANUFACTURER'S INSTRUCTIONS. AVAILABLE FROM DUMOR, INC. (800) 598-4018, www.dumor.com. SEE DETAIL B/L-108.
- 10 FURNISH AND INSTALL TRASH RECEPTACLES. TRASH RECEPTACLES SHALL BE BEARSAVER 24" HEAVY DUTY LITTER RECEPTACLE, (OR APPROVED EQUAL) MODEL NO. RSO-25. COLOR: FIR GREEN. TRASH RECEPTACLE AVAILABLE FROM BEARSAVER (MCCINTOCK METAL FABRICATORS) (909) 605-1697, www.bearsaaver.com. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND DETAIL D/L-107.
- 11 FURNISH AND INSTALL BICYCLE RACK. BICYCLE RACK SHALL BE DUMOR 125 SERIES, 4 PEAKS, SURFACE MOUNT WITH VANDAL RESISTANT BOLTS, COLOR HOT DIPPED GALVANIZED. INSTALL PER MANUFACTURER'S INSTRUCTIONS. AVAILABLE FROM DUMOR, INC. (800) 598-4018, www.dumor.com. SEE DETAIL D/L-108.
- 12 CONSTRUCT 6' X 6' CONCRETE TREE WELL. REFERENCE PLANTING PLAN SHEET L-111 AND DETAIL A/L-111.
- 13 FURNISH AND INSTALL SHADE STRUCTURES OVER DUGOUTS. SHADE STRUCTURE SHALL BE T-CANTILEVERS, 8' X 27' SHADE COVER, (OR APPROVED EQUAL) EAVE HEIGHT 12'. COLOR: 'COOLNET' SHADE FABRIC FOREST GREEN, POSTS AND FRAME EVERGREEN. MANUFACTURED BY SHADE SYSTEMS, INC., 4150 SW 19TH STREET, OCALA, FL 34474, PHONE 800-609-6066, www.shadesystemsinc.com. INSTALL PER MANUFACTURER'S INSTRUCTIONS WITH AN IN GROUND BURY FOOTING DESIGN, DESIGNED & DETAILED BY THE MANUFACTURER.
- 14 FURNISH AND INSTALL STEEL BLEACHERS. STEEL BLEACHERS SHALL BE 5 ROW, 12' LENGTH GALVANIZED STEEL BLEACHERS WITH NON-CLIMBABLE GUARD RAILS AS MANUFACTURED BY HIGHLAND PRODUCTS GROUP (THE PARK CATALOG), 3350 NW BOCA RATON BLVD., SUITE B2, BOCA RATON, FL 33431, PHONE (888) 447-2401, www.theparkcatalog.com., (OR APPROVED EQUAL). ASSEMBLE AND PERMANENTLY INSTALL, ATTACHED TO CONCRETE PAD PER MANUFACTURER'S INSTRUCTIONS.

ADDITIVE ALTERNATE #4 - SHADE STRUCTURES & TREES

- 15 FURNISH AND INSTALL SHADE STRUCTURES OVER BLEACHERS. SHADE STRUCTURE SHALL BE T-CANTILEVERS, 14' X 18' SHADE COVER, (OR APPROVED EQUAL) EAVE HEIGHT 12'. COLOR: 'COOLNET' SHADE FABRIC FOREST GREEN, POSTS AND FRAME EVERGREEN. SHADE STRUCTURE SHALL BE AS MANUFACTURED BY SHADE SYSTEMS, INC., 4150 SW 19TH STREET, OCALA, FL 34474, PHONE 800-609-6066, www.shadesystemsinc.com. INSTALL PER MANUFACTURER'S INSTRUCTIONS WITH AN IN GROUND BURY FOOTING DESIGN, DESIGNED & DETAILED BY THE MANUFACTURER.
- 16 FURNISH AND INSTALL SHADE STRUCTURE OVER BLEACHER. SHADE STRUCTURE SHALL BE T-CANTILEVERS, 10' X 18' SHADE COVER, (OR APPROVED EQUAL) EAVE HEIGHT 12'. COLOR: 'COOLNET' SHADE FABRIC FOREST GREEN, POSTS AND FRAME EVERGREEN. SHADE STRUCTURE SHALL BE AS MANUFACTURED BY SHADE SYSTEMS, INC., 4150 SW 19TH STREET, OCALA, FL 34474, PHONE 800-609-6066, www.shadesystemsinc.com. INSTALL PER MANUFACTURER'S INSTRUCTIONS WITH AN IN GROUND BURY FOOTING DESIGN, DESIGNED & DETAILED BY THE MANUFACTURER.

ADDITIVE ALTERNATE #5 - PLAY AREA B

- 17 FURNISH AND INSTALL PLAY EQUIPMENT. SEE SHEET L-102 FOR PLAY AREA PLANS AND EQUIPMENT PLACEMENT.
- 18 FURNISH AND INSTALL BENCHES. BENCHES SHALL BE DUMOR RECYCLED PLASTIC BACKLESS 6' BENCH, MODEL NO. 105-60PL, (OR APPROVED EQUAL) SUPPORT OPTION, S-1 EMBEDMENT, NOTE 12" OF COMPACTED WOOD FIBER MULCH IN SETTING BENCH HEIGHT (18"). COLOR: RECYCLED PLASTIC COLOR GREY, POLYESTER POWDER FINISH BRONZE. INSTALL PER MANUFACTURER'S INSTRUCTIONS. AVAILABLE FROM DUMOR, INC. (800) 598-4018, www.dumor.com.
- 19 FURNISH AND INSTALL SHADE STRUCTURE OVER PLAY AREA. SHADE STRUCTURE SHALL BE MEGA-SPANS, 48' X 58' CLEAR SPAN SHADE COVER, (OR APPROVED EQUAL) EAVE HEIGHT 14'. COLOR: 'COOLNET' SHADE FABRIC FOREST GREEN, POSTS AND FRAME EVERGREEN. SHADE STRUCTURE SHALL BE AS MANUFACTURED BY SHADE SYSTEMS, INC., 4150 SW 19TH STREET, OCALA, FL 34474, PHONE 800-609-6066, www.shadesystemsinc.com. INSTALL PER MANUFACTURER'S INSTRUCTIONS WITH AN IN GROUND BURY FOOTING DESIGN, DESIGNED & DETAILED BY THE MANUFACTURER.
- 20 CONSTRUCT CONTAINMENT WALL (HEADER CURB) AT PLAY AREA SEE DETAIL A/L-102. REMOVE SOUTHERNMOST CONTAINMENT WALL FROM PLAY AREA A. PLAY AREAS A AND B ARE TO BE CONNECTED FOR FORM ONE PLAY AREA. SEE SHEET L-102.
- 21 MINIMUM 12" COMPACTED DEPTH OF ENGINEERED WOOD FIBER MULCH FOR PLAY AREAS AS AVAILABLE FROM WESTERN ORGANICS (505) 877-8672, OR APPROVED EQUAL, CONTINUOUS THROUGHOUT PLAY AREA.

CONSTRUCTION KEYED NOTES

ADDITIVE ALTERNATE #6 - PICNIC AREA CONSTRUCTION

- 22 CONTRACTOR SHALL CONSTRUCT 4" THICK, 4,000 PSI CONCRETE SLAB WITH 6 X 6, 10 X 10 WWW COMPLETE IN PLACE. SHALL CONFORM TO CONCRETE CHANNEL ACCESS MAINTENANCE RAMP DETAIL, SHEET C-501.
- 23 FURNISH AND INSTALL PICNIC TABLES. PICNIC TABLES SHALL BE DUMOR RECYCLED PLASTIC PICNIC TABLE MODEL NO. 100-80PL (6) AND 100-88PL (H/C 3), (OR APPROVED EQUAL) SUPPORT OPTION, S-2 SURFACE MOUNT WITH VANDAL RESISTANT BOLTS. COLOR: RECYCLED PLASTIC COLOR GREY, POLYESTER POWDER FINISH BRONZE. INSTALL PER MANUFACTURER'S INSTRUCTIONS. AVAILABLE FROM DUMOR, INC. (800) 598-4018, www.dumor.com.
- 24 FURNISH AND INSTALL SHADE STRUCTURES. SHADE STRUCTURE SHALL BE 36' X 48' SHADE SAIL, (OR APPROVED EQUAL) COLOR: 'COOLNET' SHADE FABRIC FOREST GREEN, POSTS AND FRAME EVERGREEN. MANUFACTURED BY SHADE SYSTEMS, INC., 4150 SW 19TH STREET, OCALA, FL 34474, PHONE 800-609-6066, www.shadesystemsinc.com. INSTALL PER MANUFACTURER'S INSTRUCTIONS WITH AN IN GROUND BURY FOOTING DESIGN, DESIGNED & DETAILED BY THE MANUFACTURER.
- 25 FURNISH AND INSTALL TRASH RECEPTACLES. TRASH RECEPTACLES SHALL BE BEARSAVER 24" HEAVY DUTY LITTER RECEPTACLE, MODEL NO. RSO-25, (OR APPROVED EQUAL) COLOR: FIR GREEN. TRASH RECEPTACLE AVAILABLE FROM BEARSAVER (MCCINTOCK METAL FABRICATORS) (909) 605-1697, www.bearsaaver.com. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND DETAIL D/L-107.

ADDITIVE ALTERNATE #7 - PATHWAY LIGHTING & FIT CORE AREA

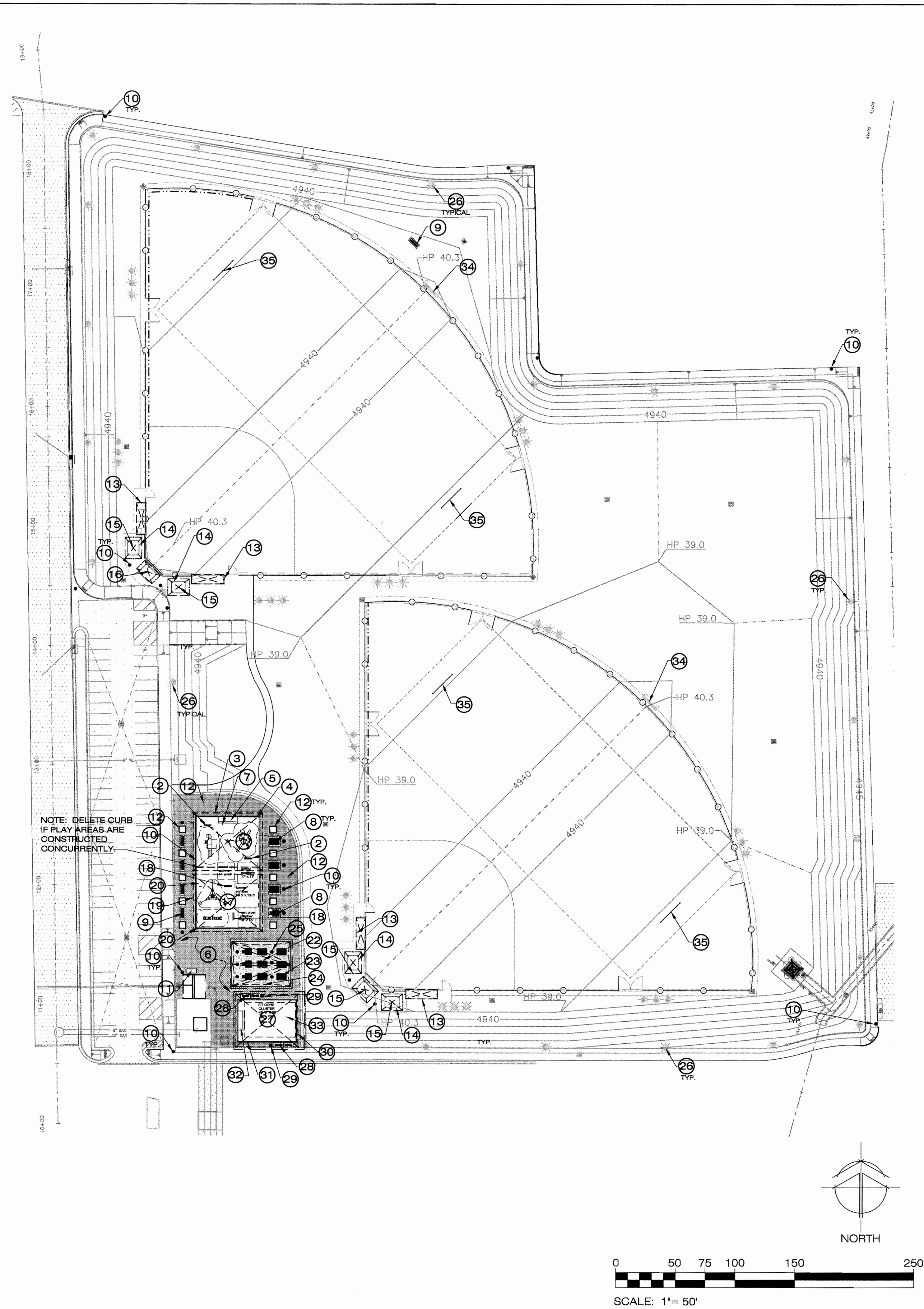
- 26 PATHWAY LIGHTING. SEE ELECTRICAL SHEETS.
- 27 FURNISH AND INSTALL 'FITCORE' EXERCISE EQUIPMENT. SEE SHEET L-102 FOR FITCORE AREA PLANS AND EQUIPMENT PLACEMENT.
- 28 FURNISH AND INSTALL BENCHES. BENCHES SHALL BE DUMOR RECYCLED PLASTIC BACKLESS 6' BENCH, MODEL NO. 105-60PL, (OR APPROVED EQUAL) SUPPORT OPTION, S-1 EMBEDMENT, NOTE 12" OF COMPACTED WOOD FIBER MULCH IN SETTING BENCH HEIGHT (18"). COLOR: RECYCLED PLASTIC COLOR GREY, POLYESTER POWDER FINISH BRONZE. INSTALL PER MANUFACTURER'S INSTRUCTIONS. AVAILABLE FROM DUMOR, INC. (800) 598-4018, www.dumor.com.
- 29 FURNISH AND INSTALL TRASH RECEPTACLES. TRASH RECEPTACLES SHALL BE BEARSAVER 24" HEAVY DUTY LITTER RECEPTACLE, MODEL NO. RSO-25, (OR APPROVED EQUAL) COLOR: FIR GREEN. TRASH RECEPTACLE AVAILABLE FROM BEARSAVER (MCCINTOCK METAL FABRICATORS) (909) 605-1697, www.bearsaaver.com. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND DETAIL D/L-107.
- 30 FURNISH AND INSTALL SHADE STRUCTURE OVER FIT CORE AREA. SHADE STRUCTURE SHALL BE MEGA-SPANS, 48' X 50' CLEAR SPAN SHADE COVER, (OR APPROVED EQUAL) EAVE HEIGHT 14'. COLOR: 'COOLNET' SHADE FABRIC FOREST GREEN, POSTS AND FRAME EVERGREEN. SHADE STRUCTURE SHALL BE AS MANUFACTURED BY SHADE SYSTEMS, INC., 4150 SW 19TH STREET, OCALA, FL 34474, PHONE 800-609-6066, www.shadesystemsinc.com. INSTALL PER MANUFACTURER'S INSTRUCTIONS WITH AN IN GROUND BURY FOOTING DESIGN, DESIGNED & DETAILED BY THE MANUFACTURER.
- 31 CONSTRUCT CONTAINMENT WALL (HEADER CURB) AT PLAY AREA SEE DETAIL A/L-102.
- 32 CONSTRUCT CONCRETE RAMP AT PLAY AREA WITH TURN DOWN EDGE. SEE DETAIL A/L-102, AND REFERENCE COA STANDARD DETAIL DWG. 2728.
- 33 MINIMUM 12" COMPACTED DEPTH OF ENGINEERED WOOD FIBER MULCH FOR PLAY AREAS AS AVAILABLE FROM WESTERN ORGANICS (505) 877-8672, OR APPROVED EQUAL, CONTINUOUS THROUGHOUT PLAY AREA.

ADDITIVE ALTERNATE #8 - SCOREBOARDS & GOALPOSTS

- 34 FURNISH AND INSTALL SCOREBOARD. SEE ELECTRICAL SHEETS.
- 35 FURNISH COMBINATION FOOTBALL/SOCCER GOALS AS MANUFACTURED BY BISON, INC. MODEL # FB50EXT-WT WITH FB20EXT-WT FOOTBALL UPRIGHTS AND SC02BS EUROPEAN BACKSTAYS WITH SC095N SOCCER NET AND SC10 NET ATTACHMENT KIT. INSTALL GROUND SLEEVES MODEL #BA709. (OR APPROVED EQUAL) AVAILABLE FROM GARDENSWARTZ TEAM SALES, ALBUQUERQUE, NM 505-884-1234

GENERAL NOTES

1. CONCRETE CONTROL JOINTS SHALL BE PLACED AS SHOWN ON THE LAYOUT SHEET L-103.
2. EXPANSION JOINT MATERIAL SHALL CONFORM SMOOTHLY TO SHAPE OF ADJACENT FIXED OBJECT.
3. TOP OF CONCRETE FLAT WORK SHALL BE CONSTRUCTED FLUSH WITH TOP OF ADJACENT CURB/PAVING.
4. CONCRETE WORK SHALL BE CONSTRUCTED PER C.O.A. STANDARD SPECIFICATIONS.
5. CONCRETE SHALL HAVE POSITIVE DRAINAGE TOWARD THE NEAREST INLET, 2% MAXIMUM. REFERENCE CIVIL SHEETS FOR ADDITIONAL GRADING & DRAINAGE INFORMATION.
6. CONTRACTOR SHALL USE CAUTION TOWARD ALL EXISTING UTILITIES AND UNDERGROUND DRAINAGE WITH SPECIAL CARE REGARDING ELECTRICAL RUNS FOR EXTERIOR LIGHTING DURING ALL CONSTRUCTION ACTIVITIES.



| AS-BUILT INFORMATION     |             | BENCH MARKS |    | SURVEY INFORMATION |    | LANDSCAPE ARCHITECT'S SEAL |    |
|--------------------------|-------------|-------------|----|--------------------|----|----------------------------|----|
| CONTRACTOR               | DATE        | NO.         | BY | NO.                | BY | NO.                        | BY |
| CONTRACTOR: J.S. HERRERA | DATE: 07/08 |             |    |                    |    |                            |    |
| INSPECTOR: J.S. HERRERA  | DATE: 07/08 |             |    |                    |    |                            |    |
| FIELD: J.S. HERRERA      | DATE: 07/08 |             |    |                    |    |                            |    |
| REVISIONS: J.S. HERRERA  | DATE: 07/08 |             |    |                    |    |                            |    |
| COMMENTS: J.S. HERRERA   | DATE: 07/08 |             |    |                    |    |                            |    |
| MICRO-FILM INFORMATION   |             |             |    |                    |    |                            |    |
| RECORDED BY              | DATE        |             |    |                    |    |                            |    |
| NO.                      |             |             |    |                    |    |                            |    |

STATE OF NEW MEXICO

CATHERINE WESTBROOK

LANDSCAPE ARCHITECT

Professional Seal

| NO.                                  | DATE | REMARKS | BY      |
|--------------------------------------|------|---------|---------|
| TERRA CREATAS LANDSCAPE ARCHITECTURE |      |         |         |
| DESIGNED BY                          | CPW  | DATE    | JULY 07 |
| DRAWN BY                             | CPW  | DATE    | JULY 07 |
| CHECKED BY                           | CPW  | DATE    | JULY 07 |

**WILSON & COMPANY**

4800 LANG AVE N.E.  
SUITE 100  
ALBUQUERQUE, NEW MEXICO 87109  
(505) 348-4000  
FAX (505) 348-4072  
www.wilsonco.com

CITY OF ALBUQUERQUE  
DEPARTMENT OF MUNICIPAL DEVELOPMENT  
STORM DRAINAGE

**TINGLEY PARK RECONSTRUCTION  
LANDSCAPE CONSTRUCTION PLAN  
ADDITIVE ALTERNATES**

Design Review Committee

City Engineer Approval

City Project No. 7963.91

Zone Map No. K-13

TERRA CREATAS  
Landscape Architecture  
4304 Grand St. N.E., Albuquerque, NM 87109  
505.441.3062

C. Patricia Westbrook, A.S.L.A.

Mo./Dsr./Yr.

Mo./Dsr./Yr.

Mo./Dsr./Yr.

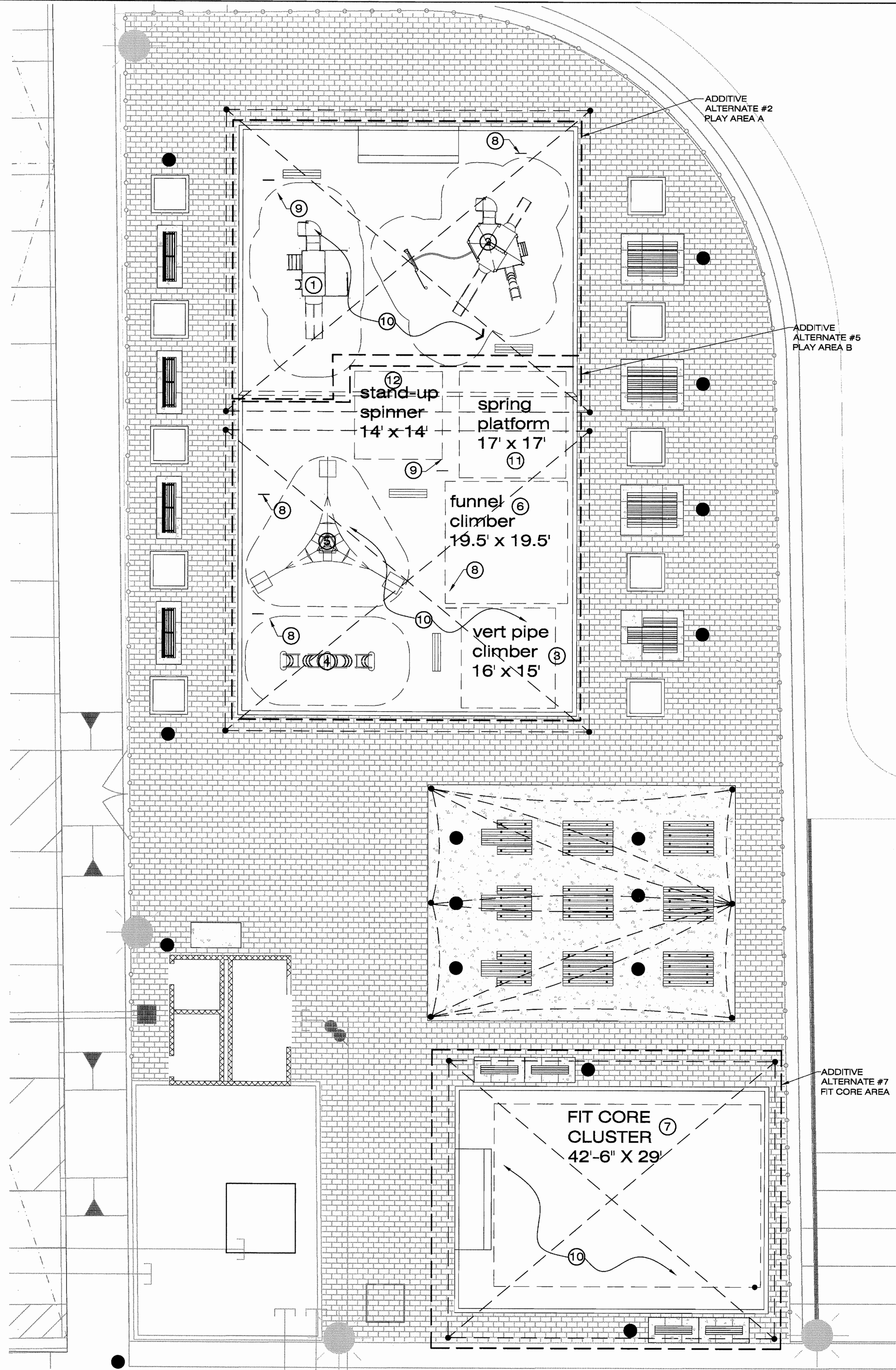
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Sheet

**L-101B**



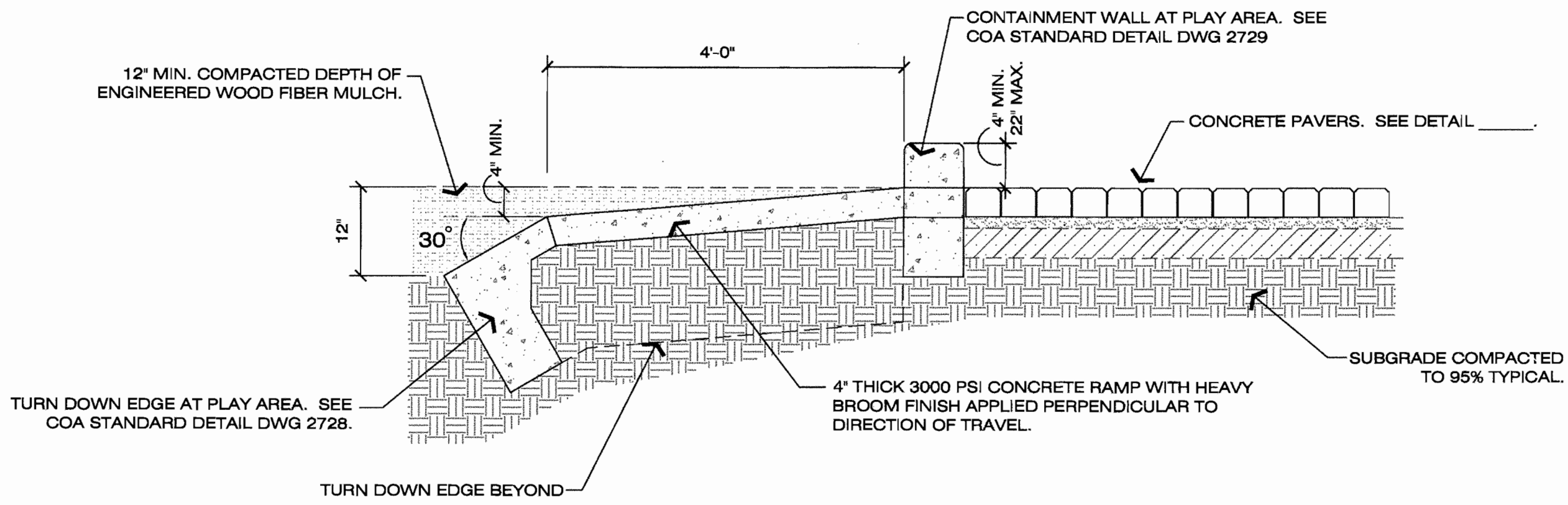
KEYED NOTES

- LANDSCAPE STRUCTURES PLAY EQUIPMENT IS AVAILABLE THROUGH EXERPLAY, INC. P.O. BOX 1160 CEDAR CREST, NM 87008, (505) 281-0151, FAX (505) 281-0155, TOLL FREE (800) 457-5444, www.exerplay.com.
- 1 LANDSCAPE STRUCTURES PLAYSHAPER IDEA #2411.  
• DELETE SUPER SQUARE SHINGLE ROOF W/ POLY CAP  
• SUBSTITUTE TRAIL TRACKER REACH PANEL #139254A FOR DRIVER PANEL (ABOVE)  
• SUBSTITUTE STORE FRONT PANEL #144984A FOR MATCH 4 PANEL (@ GRADE)  
COORDINATE WITH MANUFACTURERS REPRESENTATIVE REGARDING PLACEMENT AND INSTALLATION OF ADDED OR SUBSTITUTED ITEMS.
- 2 LANDSCAPE STRUCTURES PLAYBOOSTER IDEA #2006.  
• ADD TALK TUBES #111363A  
• ADD LOG ROLL #111365A  
• ADD ACCESSIBLE STATIONARY CYCLER #122534B  
COORDINATE WITH MANUFACTURERS REPRESENTATIVE REGARDING PLACEMENT AND INSTALLATION OF ADDED OR SUBSTITUTED ITEMS.
- 3 LANDSCAPE STRUCTURES VERTICAL PIPE CLIMBERS  
#100040A 4' VERTICAL PIPE CLIMBER, COLOR CRANBERRY RED  
#100040B 6' VERTICAL PIPE CLIMBER, COLOR PURPLE  
INSTALL CLIMBERS IN AN 'S' CONFIGURATION
- 4 LANDSCAPE STRUCTURES DOUBLE HUMPTY CLIMBER #100037A  
COLOR MAROON
- 5 LANDSCAPE STRUCTURES TETRAHEDRON SPACENET 2450 #152755A
- 6 LANDSCAPE STRUCTURES FUNNEL CLIMBER #144477A
- 7 LANDSCAPE STRUCTURES FITCORE #123722A  
INCLUDES:  
• SIT-UP, PUSH-UP BENCH  
• SPRING-UP  
• CHIN-UP  
• STEP-UP  
• HORIZONTAL LADDER  
• BALANCE BEAM  
• BEAM RUN  
• PULL-UP POST  
• JUMP-TOUCH BEAM  
• PARALLEL BARS  
• LEG STRETCH PODS  
• THREE ADVISORY SIGNS  
POST COLOR: CRANBERRY RED (POWDERCOAT)  
BEAM RUN COLOR: YELLOW (POWDERCOAT)  
PODS COLOR: GREEN (POLY COLOR)  
CURVED BALANCE BEAM COLOR: RED (TENDERTUFF COLOR)  
CHIN-UP COLOR: BLUE (TENDERTUFF COLOR)  
SPRING-UP RAILS COLOR: RED (TENDERTUFF COLOR)
- 8 LANDSCAPE STRUCTURES AGE APPROPRIATE AND SAFETY SIGN FOR 5 TO 12 YEARS #100106A
- 9 LANDSCAPE STRUCTURES AGE APPROPRIATE AND SAFETY SIGN FOR 2 TO 5 YEARS #100105A
- 10 MINIMUM 12" COMPACTED DEPTH OF ENGINEERED WOOD FIBER MULCH FOR PLAY AREAS AS AVAILABLE FROM WESTERN ORGANICS (505) 877-8672, OR APPROVED EQUAL, CONTINUOUS THROUGHOUT PLAY AREA.
- 11 LANDSCAPE STRUCTURES SPRING PLATFORM WITH HANDHOLD #125059A.
- 12 LANDSCAPE STRUCTURES STAND-UP SPINNER #117959A.

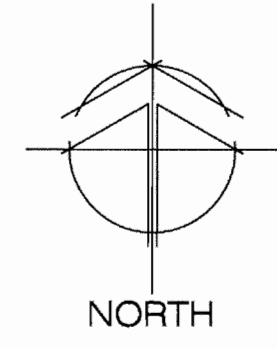
NOTES

1. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY TO FURNISH, INSTALL AND CONSTRUCT ALL PLAY EQUIPMENT AS SPECIFIED AND DESCRIBED ON THIS PLAN.
2. ALL PLAY EQUIPMENT AND SURFACING MATERIALS SHALL BE INSTALLED BY A LICENSED PLAY EQUIPMENT INSTALLER.
3. THE GROUND SPACE (GS) AND USE ZONE (UZ) FOR EACH PIECE OF PLAY EQUIPMENT ARE SHOWN ON THE PLAN. THE GROUND SPACE IS THE ACTUAL SPACE THAT THE EQUIPMENT OCCUPIES. THE USE ZONE IS THE REQUIRED OBSTACLE FREE SURFACE AROUND THE EQUIPMENT. THE USE ZONE FOR STATIONARY PLAY EQUIPMENT SHALL EXTEND NO LESS THAN 6' FROM ALL SIDES OF THE PLAY STRUCTURE. IN INSTANCES WHERE THE USE ZONE EXTENDS BEYOND 6' FROM A SPECIFIC SIDE OF A STRUCTURE, THE REQUIRED LENGTH OF EXTENSION IS SHOWN ON THE PLAN.
4. THE USE ZONES FOR ANY TWO ADJACENT PLAY STRUCTURES SHALL NOT OVERLAP.
5. PRIOR TO FINAL ACCEPTANCE BY THE OWNER, THE CONTRACTOR MUST PROVIDE WRITTEN AUTHORIZATION THAT THE CONSTRUCTION AND INSTALLATION OF EACH PIECE OF PLAY EQUIPMENT HAS BEEN INSPECTED BY A REPRESENTATIVE OF THE EQUIPMENT MANUFACTURER AND THAT THE CONSTRUCTION AND INSTALLATION OF EACH PIECE OF EQUIPMENT FULLY COMPLIES WITH THE ASTM F-1487-95 AND THE US CONSUMER PRODUCT SAFETY COMMISSION HANDBOOK FOR PUBLIC PLAYGROUND SAFETY. THIS WRITTEN AUTHORIZATION SHALL BE IN THE FORM OF A PLAY AREA AUDIT. THE AUDIT SHALL BE PERFORMED BY A CERTIFIED PLAYGROUND SAFETY INSPECTOR. THE AUDIT SHALL INCLUDE A HEAD IMPACT ATTENUATION TEST OF INSTALLED SURFACING IN EACH PLAY AREA. THESE TESTS SHALL COMPLY WITH ASTM F1292. FALL HEIGHTS FOR THE TESTING SHALL BE BASED ON REAL WORLD CONDITIONS.
6. PLAY EQUIPMENT INSTALLER SHALL COORDINATE WITH CONTRACTOR REGARDING SAFETY ZONE DIMENSIONS TO BE PROVIDED WITHIN CONTAINMENT WALLS AND DEPTH OF SAFETY SURFACING.
7. PLAY EQUIPMENT SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTIONS.
8. PRIOR TO FINAL ACCEPTANCE BY THE OWNER, THE CONTRACTOR SHALL PROVIDE AN 'AS-BUILT' DRAWING WHICH DOCUMENTS THAT EACH PIECE OF PLAY EQUIPMENT IS CONSTRUCTED WITH THE REQUIRED USE ZONE AND THAT NO USE ZONES OVERLAP.

ALL PLAYGROUND SHADE STRUCTURES ARE NOT A PART OF THIS CONTRACT.



CONCRETE RAMP AT PLAY AREA W/ TURN DOWN EDGE



**WILSON & COMPANY**  
4800 LANG AVE N.E.  
SUITE 100  
ALBUQUERQUE, NEW MEXICO 87109  
(505) 348-4000  
FAX (505) 348-4072  
www.wilsonco.com

**TERRA CREATAS**  
Landscape Architecture  
4300 Bonad St NE, Albuquerque, NM 87109  
505.841.1363  
C. Patricia Westbrook, ASLA

CITY OF ALBUQUERQUE  
DEPARTMENT OF MUNICIPAL DEVELOPMENT  
STORM DRAINAGE  
**TINGLEY PARK RECONSTRUCTION**  
**PLAY AREA & FITCORE AREA CONSTRUCTION**

Design Review Committee  
APPROVED  
AUG 01 2007  
DESIGN REVIEW COMMITTEE

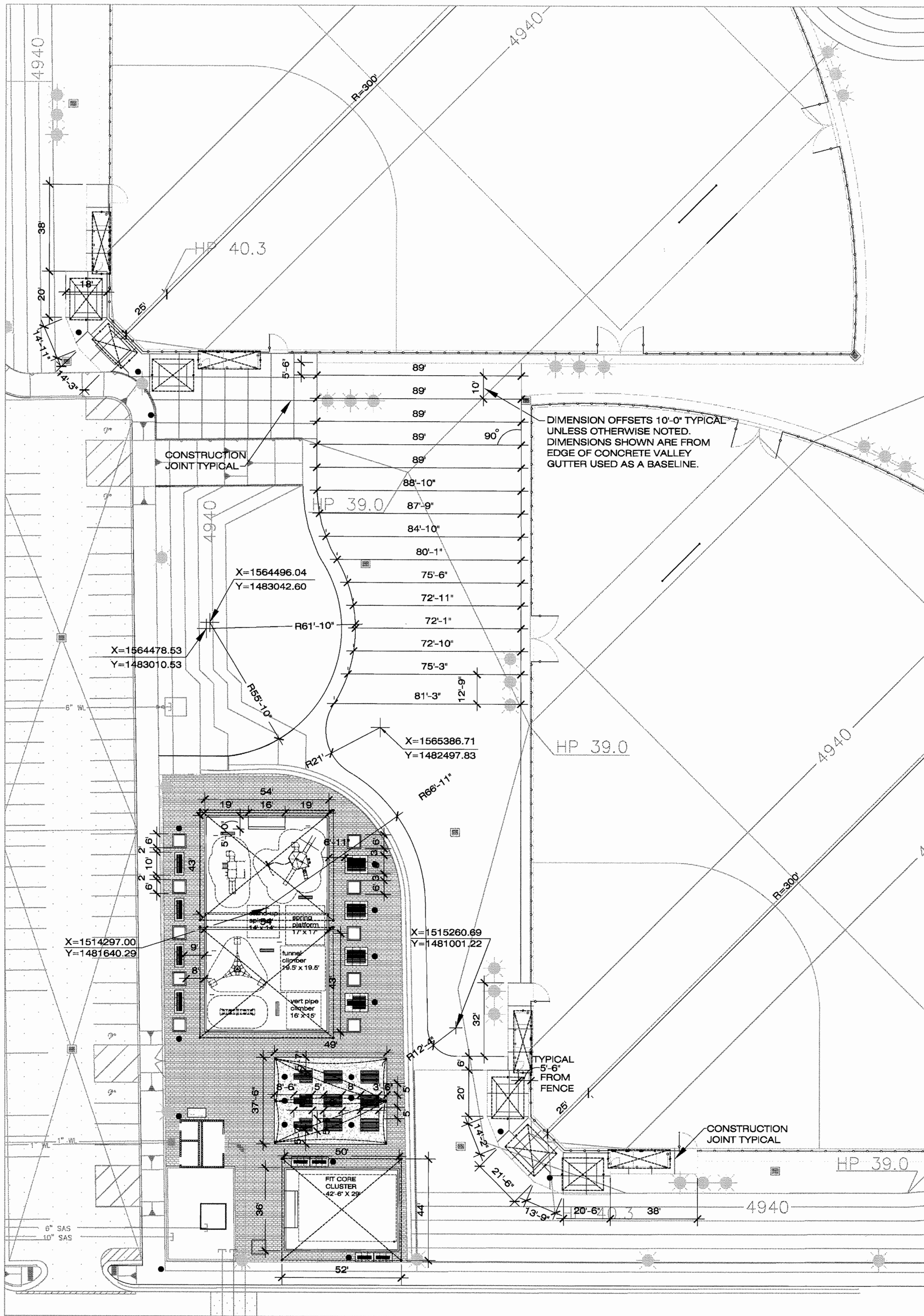
City Engineer Approval  
AUG 01 2007  
CITY ENGINEER

City Project No. 7963.91  
Zone Map No. K-13

Mo./Day/Yr.  
Mo./Day/Yr.  
Mo./Day/Yr.  
Mo./Day/Yr.

Mo./Day/Yr.  
Mo./Day/Yr.  
Mo./Day/Yr.  
Mo./Day/Yr.

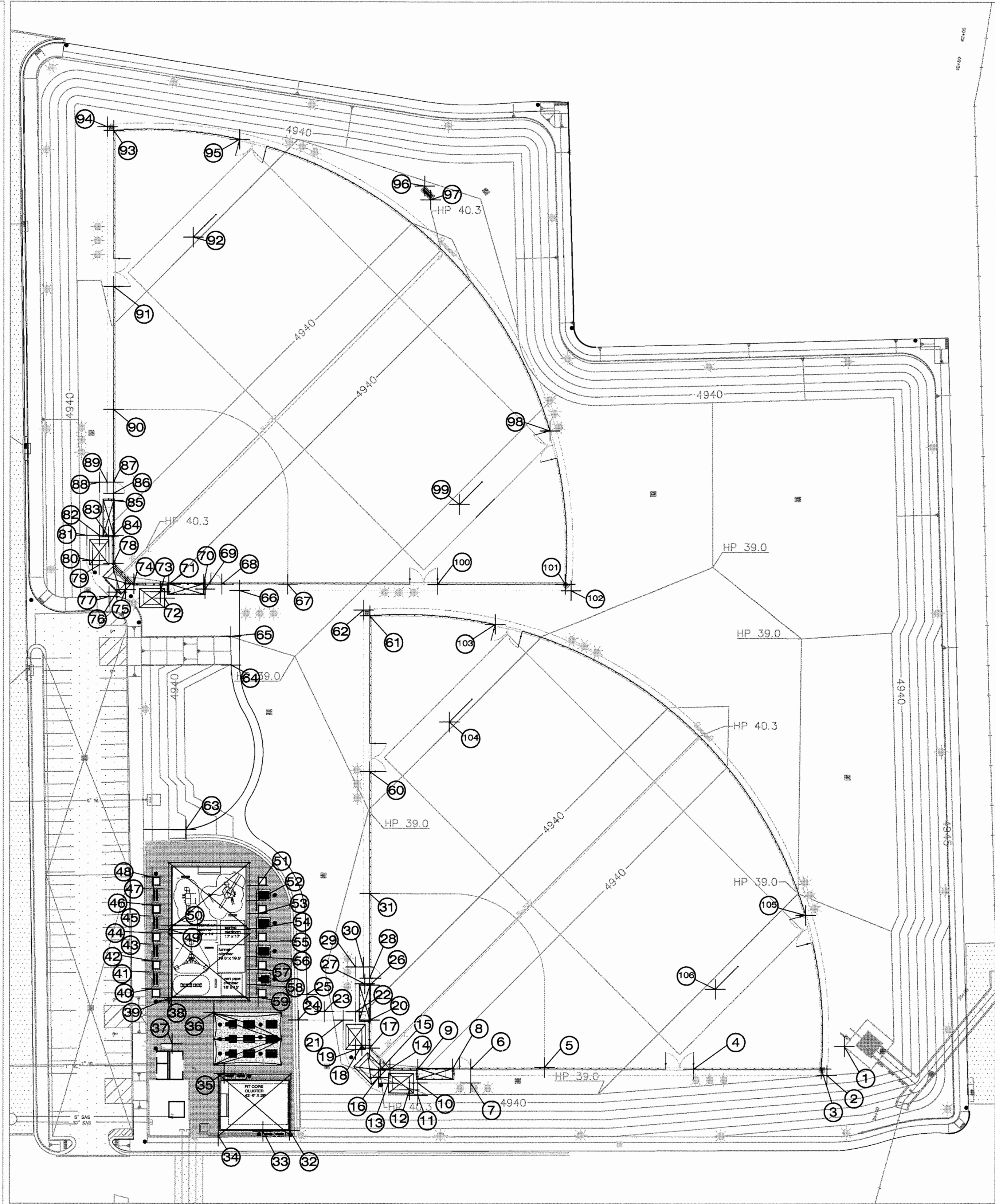
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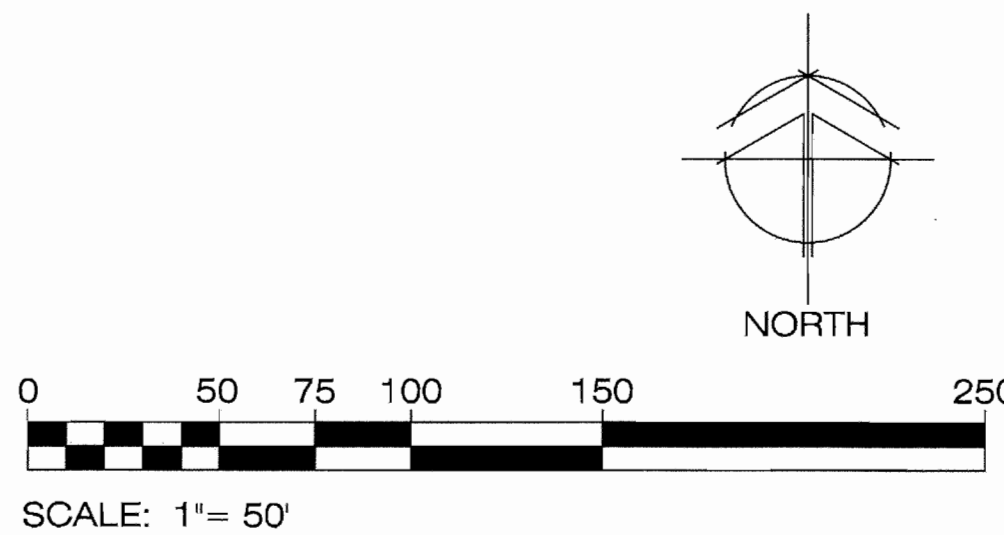
COORDINATE  
POINTS

X= NORTHING  
Y= EASTING

|     |              |              |
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| 2   | X=1519589.11 | Y=1480311.29 |
| 3   | X=1519539.78 | Y=1480365.29 |
| 4   | X=1518441.75 | Y=1480365.29 |
| 5   | X=1517158.25 | Y=1480377.10 |
| 6   | X=1516524.06 | Y=1480365.33 |
| 7   | X=1516523.78 | Y=1480245.30 |
| 8   | X=1516368.04 | Y=1480365.29 |
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| 11  | X=1516068.17 | Y=1480137.29 |
| 12  | X=1515996.17 | Y=1480185.29 |
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| 14  | X=1515828.04 | Y=1480365.29 |
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| 17  | X=1515652.41 | Y=1480541.03 |
| 18  | X=1515586.30 | Y=1480565.23 |
| 19  | X=1515531.38 | Y=1480529.26 |
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| 30  | X=1515598.30 | Y=1481236.87 |
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| 32  | X=1514965.05 | Y=1479837.34 |
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| 35  | X=1514401.66 | Y=1480324.61 |
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LANDSCAPE LAYOUT PLAN

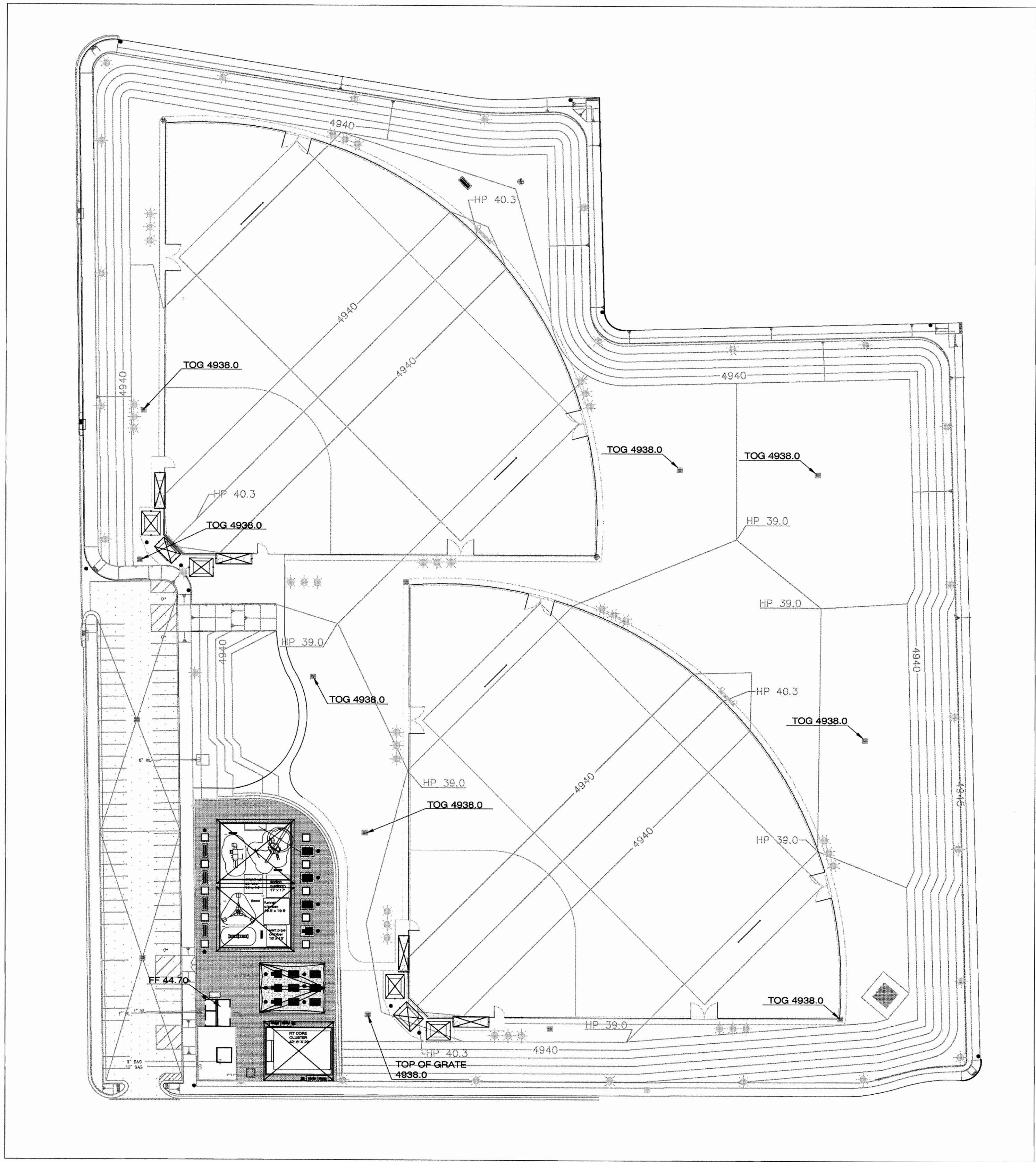


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SUITE 100  
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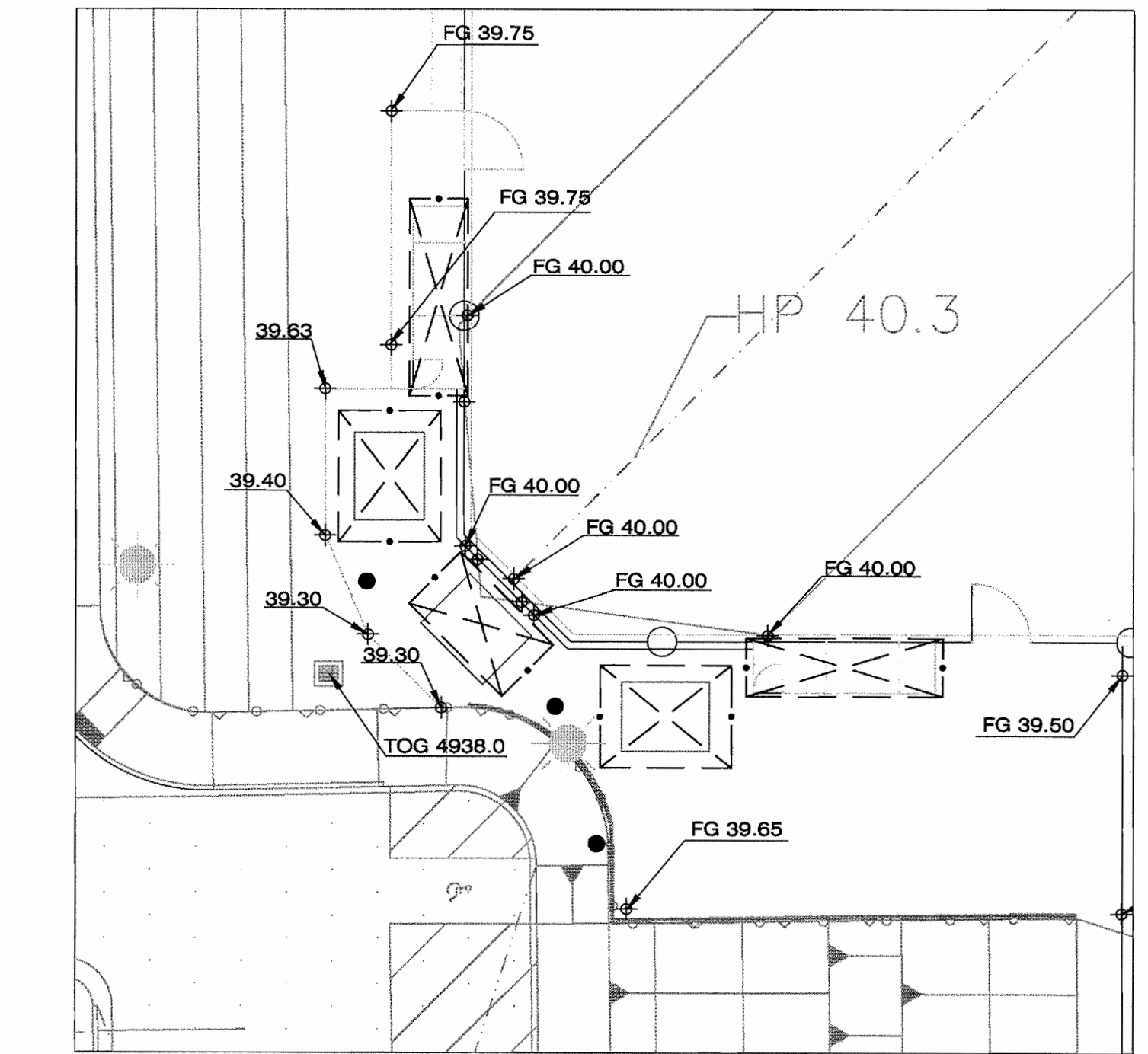
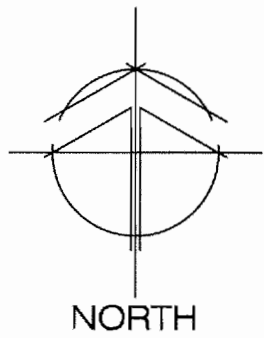
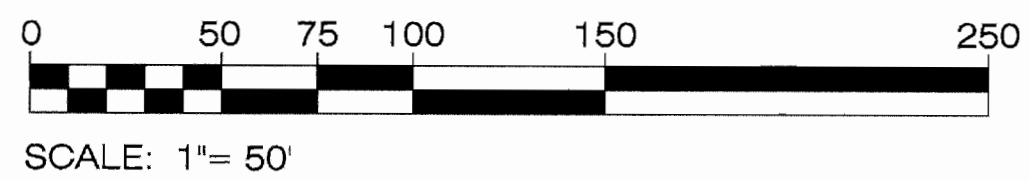
**TERRA CREATAS**  
Landscape Architecture  
1300 Broad St N.E., Albuquerque, NM 87109  
505.481.3062  
C. Patricia Westbrook, ASLA

|                                                                              |                                                         |
|------------------------------------------------------------------------------|---------------------------------------------------------|
| CITY OF ALBUQUERQUE<br>DEPARTMENT OF MUNICIPAL DEVELOPMENT<br>STORM DRAINAGE |                                                         |
| TINGLEY PARK RECONSTRUCTION<br>LANDSCAPE CONSTRUCTION LAYOUT PLAN            |                                                         |
| Design Review Committee<br>APPROVED<br>AUG 6 1 2007                          | City Engineer Approval<br>AUG 6 1 2007<br>CITY ENGINEER |
| City Project No.<br>7963.91                                                  | Zone Map No.<br>K-13                                    |
| Sheet<br>L-103                                                               |                                                         |

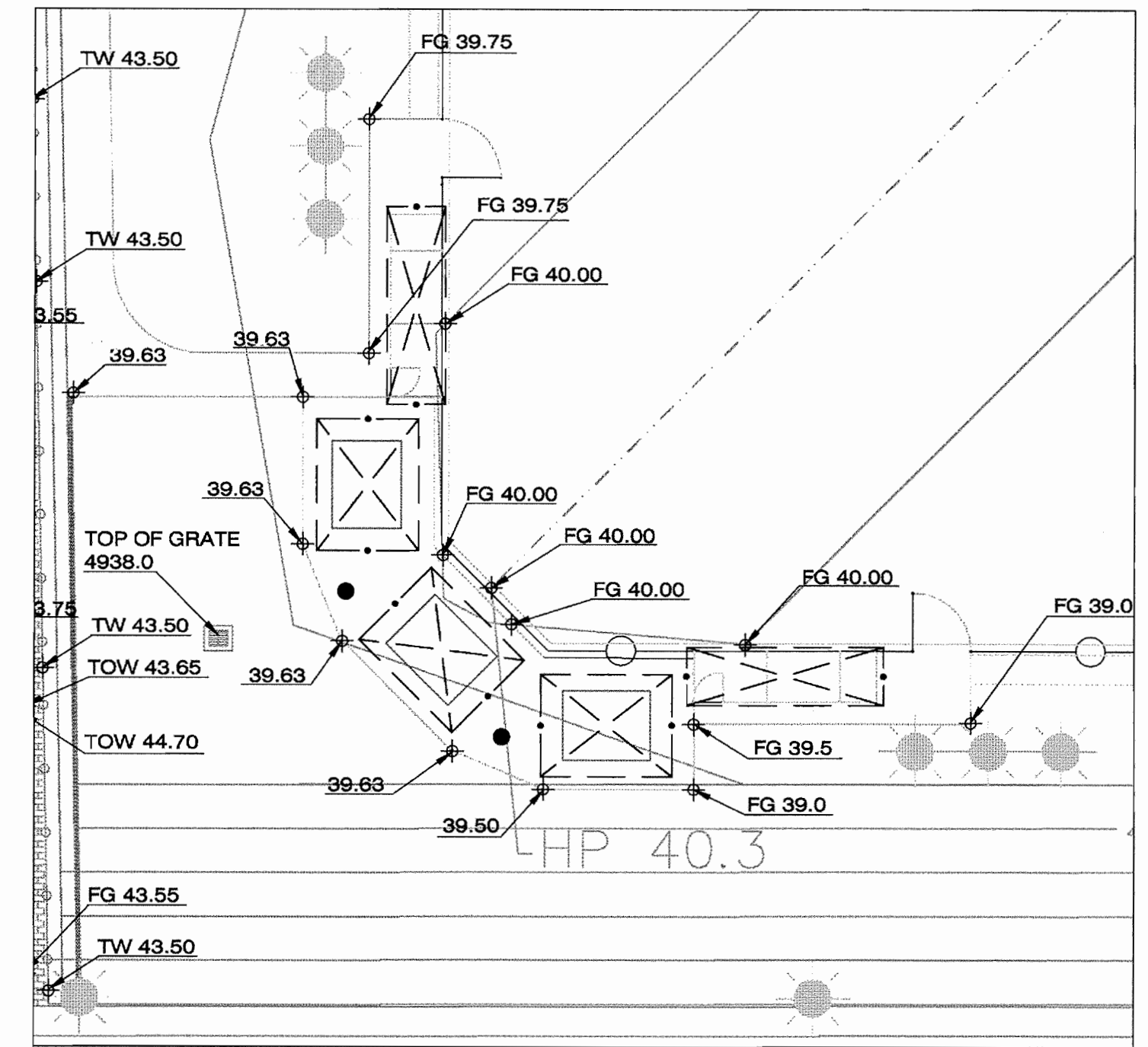
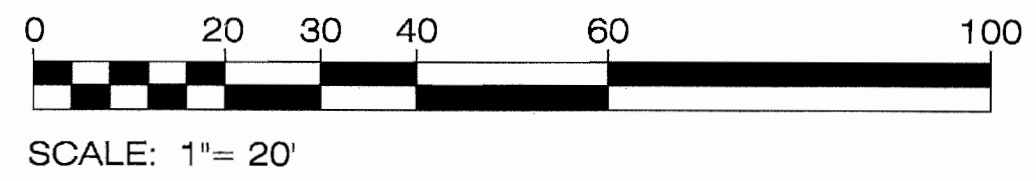
NOTE: REFERENCE CIVIL SHEETS FOR ADDITIONAL DIMENSION AND LAYOUT INFORMATION.



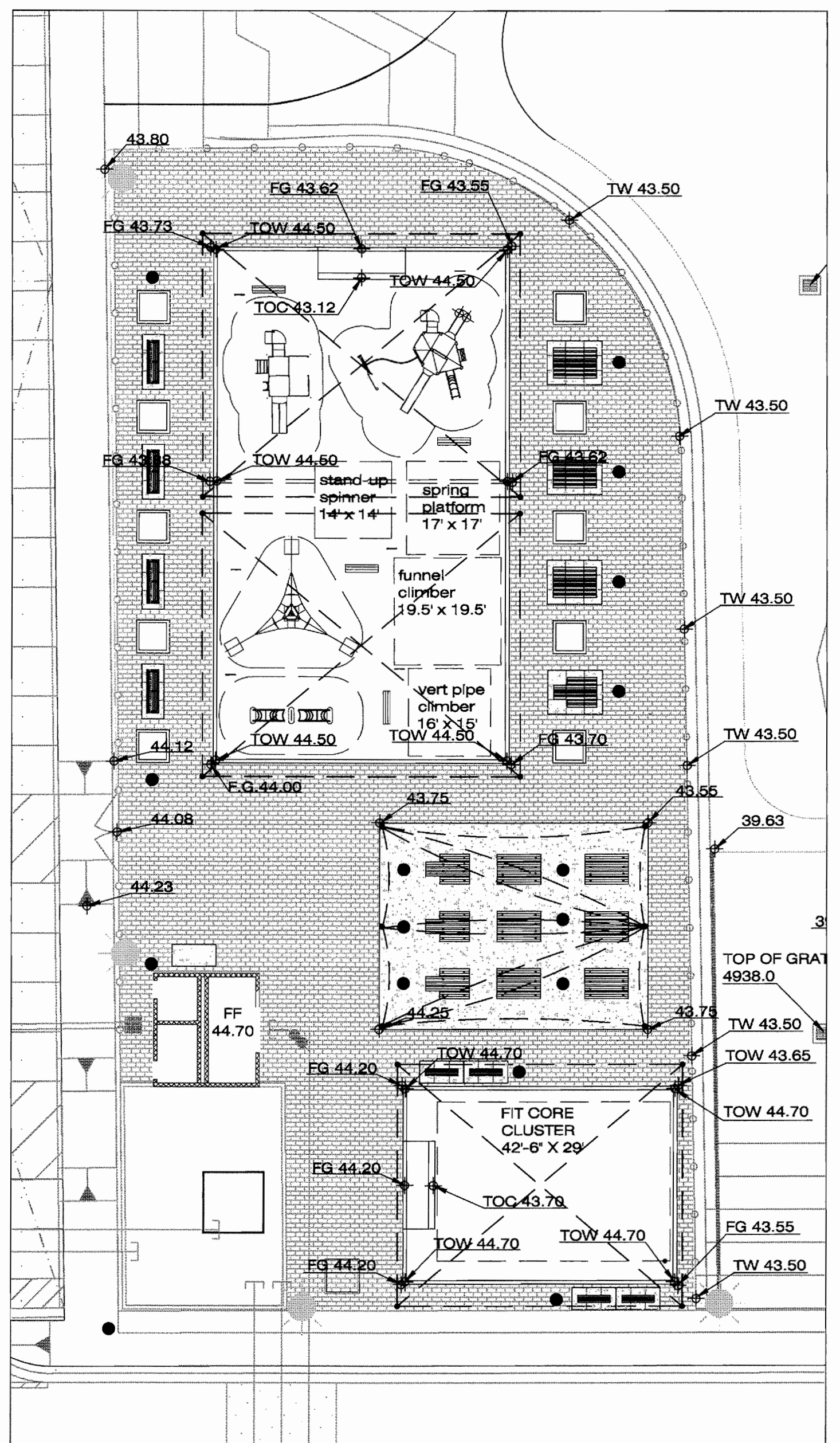
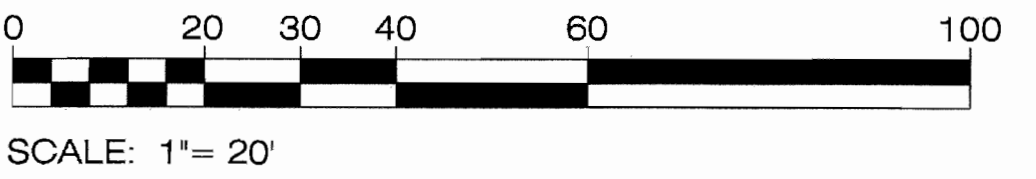
PARK GRADING PLAN - REFERENCE CIVIL SHEETS



BLEACHER AREA, NORTH FIELD SPOT ELEVATIONS

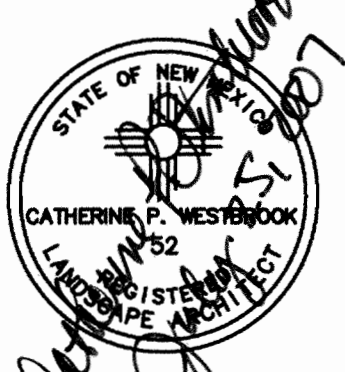


BLEACHER AREA, SOUTH FIELD SPOT ELEVATIONS



PLAY AREA ISLAND SPOT ELEVATIONS



| AS-BUILT INFORMATION |               | BENCH MARKS |      | SURVEY INFORMATION |      | LANDSCAPE ARCHITECT'S SEAL                                                                                                                          |  | REVISIONS |      |
|----------------------|---------------|-------------|------|--------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------|------|
| CONTRACTOR           | AS, LANDSCAPE | NO.         | DATE | NO.                | DATE |                                                                |  | NO.       | DATE |
| DESIGNED BY          | CPW           | NO.         | DATE | NO.                | DATE |                                                                                                                                                     |  | NO.       | DATE |
| DRAWN BY             | CPW           | NO.         | DATE | NO.                | DATE | <p>TERRA CREATAS LANDSCAPE ARCHITECTURE</p> <p>DESIGNED BY CPW DATE JULY 07</p> <p>DRAWN BY CPW DATE JULY 07</p> <p>CHECKED BY CPW DATE JULY 07</p> |  | NO.       | DATE |
| CHECKED BY           | CPW           | NO.         | DATE | NO.                | DATE |                                                                                                                                                     |  | NO.       | DATE |

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SUITE 100  
ALBUQUERQUE, NEW MEXICO 87109  
(505) 348-4000  
FAX (505) 348-4072  
www.wilsonco.com

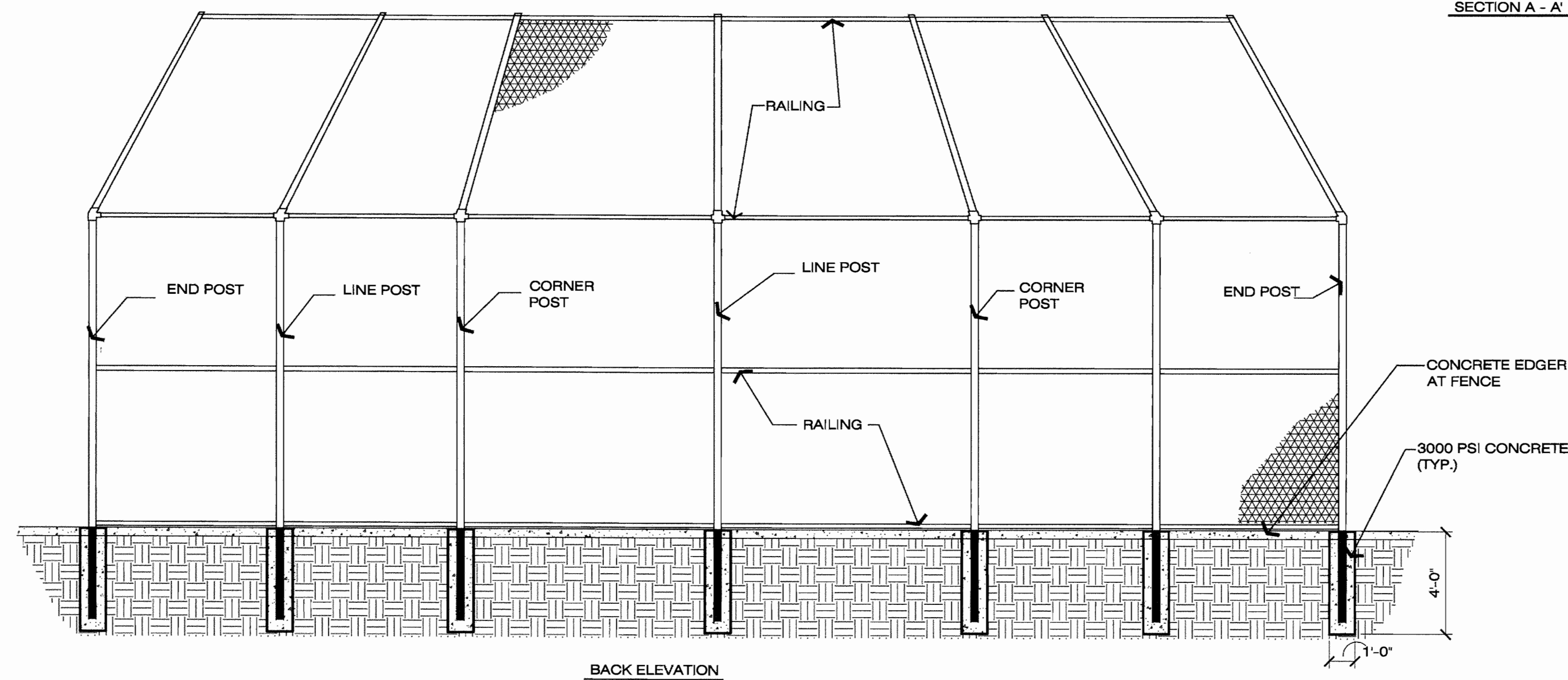
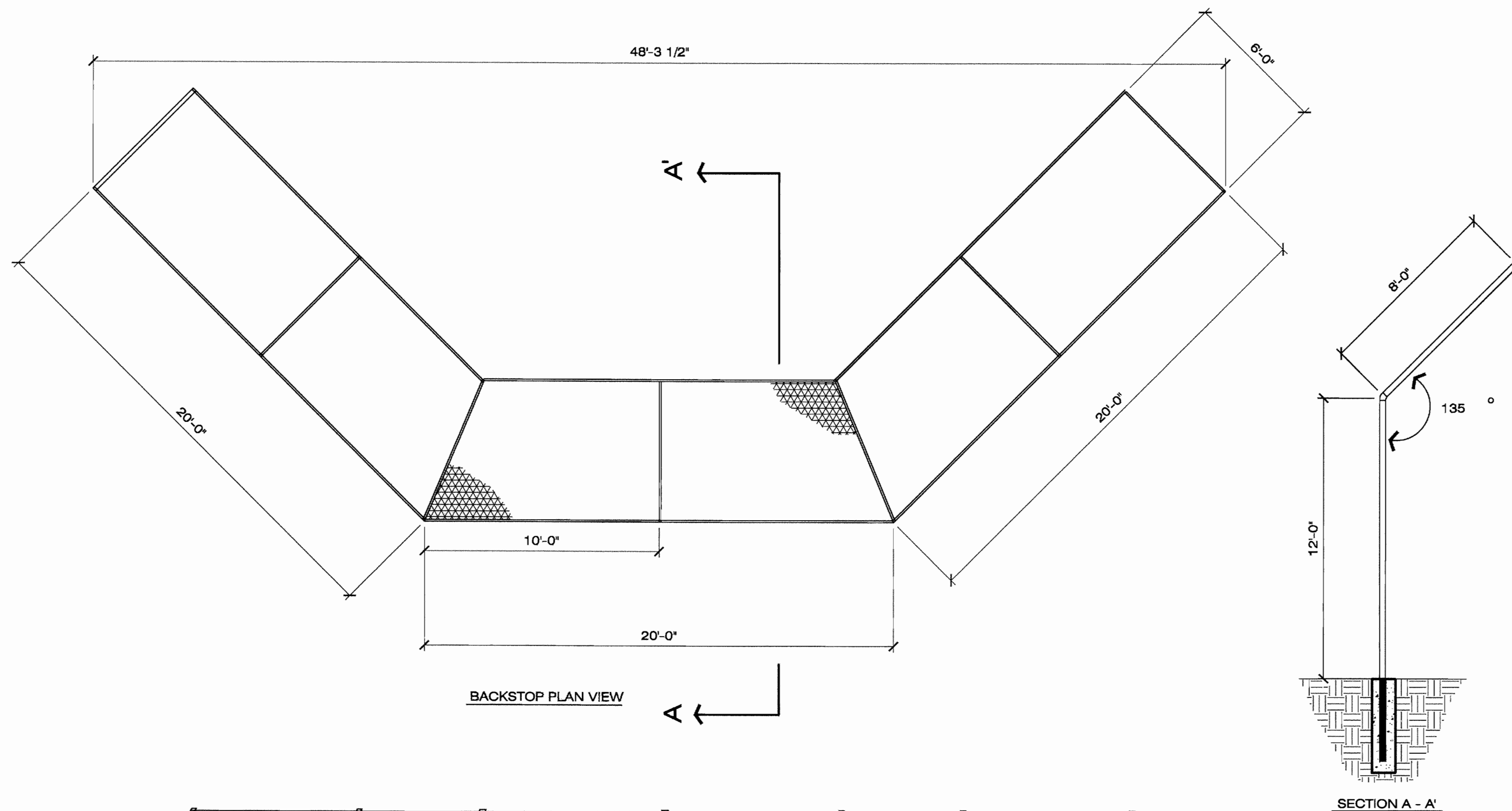
**TERRA CREATAS**  
Landscape Architecture  
4304 Dwyer St. N.E. Albuquerque, NM 87109  
P.O. Box 13062  
C. Patricia Westbrook, ASLA

CITY OF ALBUQUERQUE  
DEPARTMENT OF MUNICIPAL DEVELOPMENT  
STORM DRAINAGE  
TINGLEY PARK RECONSTRUCTION  
LANDSCAPE CONSTRUCTION GRADING PLAN

Design Review Committee  
City Engineer Approval  
City Project No. 7963.91  
Zone Map No. K-13

Mo./Day/Yr.  
Mo./Day/Yr.  
Mo./Day/Yr.  
Mo./Day/Yr.

Sheet L-104

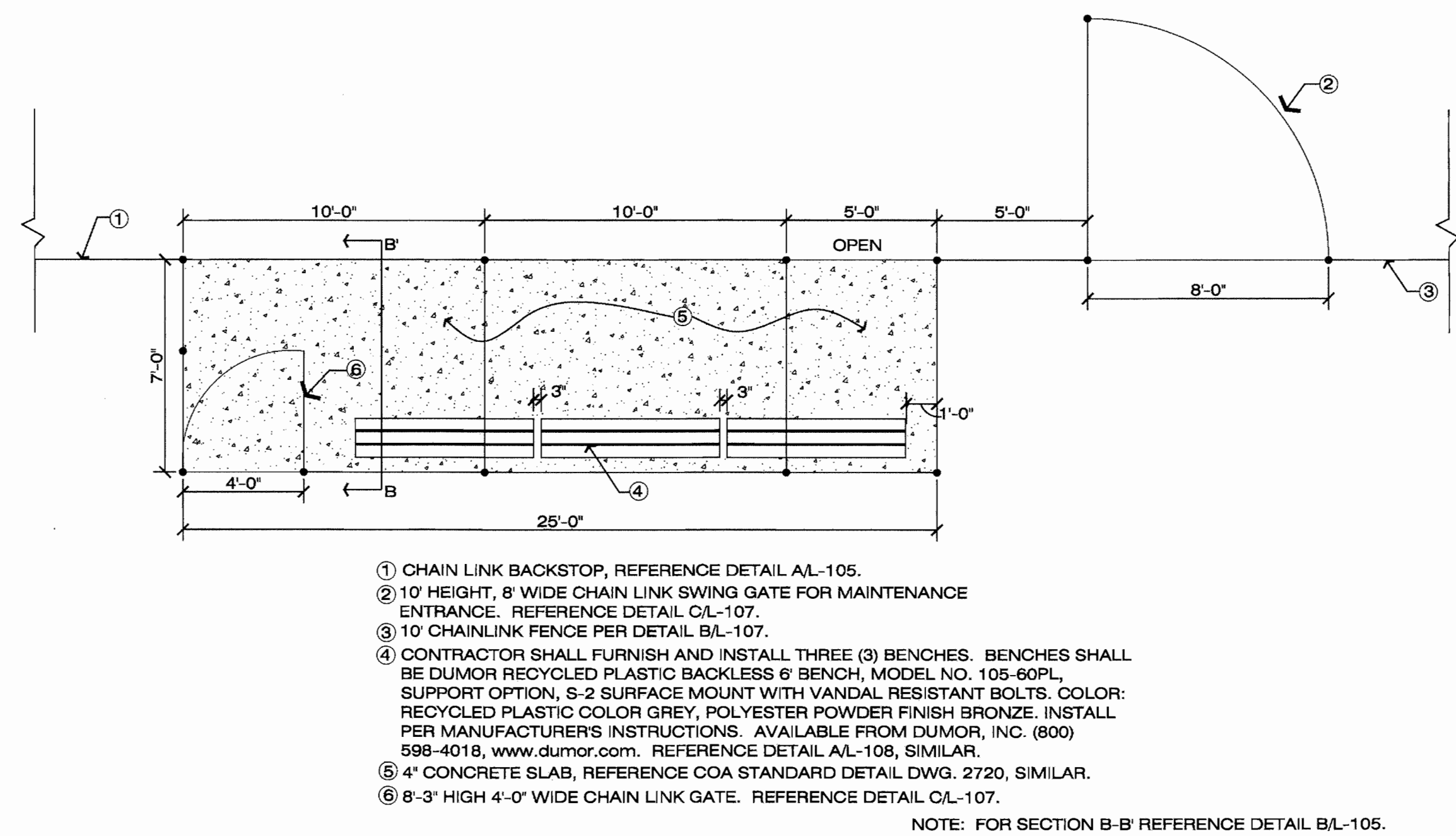


TYPICAL MATERIALS (TO BE VERIFIED BY STRUCTURAL ENGINEER) ALL GALVANIZED  
 VERTICAL POSTS - 2 7/8" OD PIPE  
 EXTENSIONS - 1 7/8" OD PIPE  
 RAILINGS - 1 5/8" OD PIPE  
 CHAIN LINK FABRIC - 2" MESH 9 GAUGE  
 STANDARD HEAVY FENCE FITTINGS

## A CHAINLINK BACKSTOP

L-105 CHAINLINKSTOP

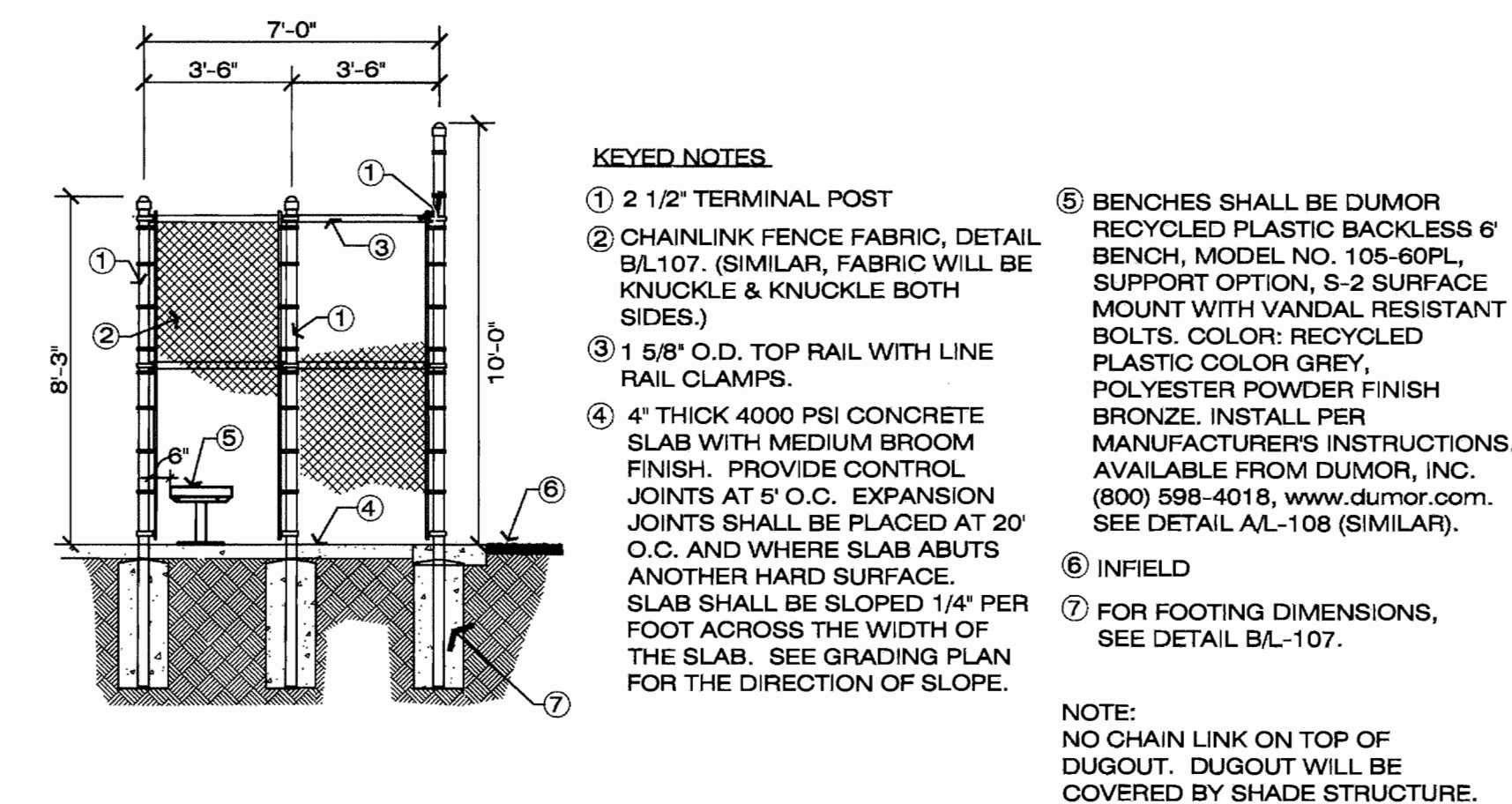
1/4" = 1'-0"



## B PLAN VIEW OF DUGOUT WITH MAINTENANCE GATE

L-105 DWG NO.

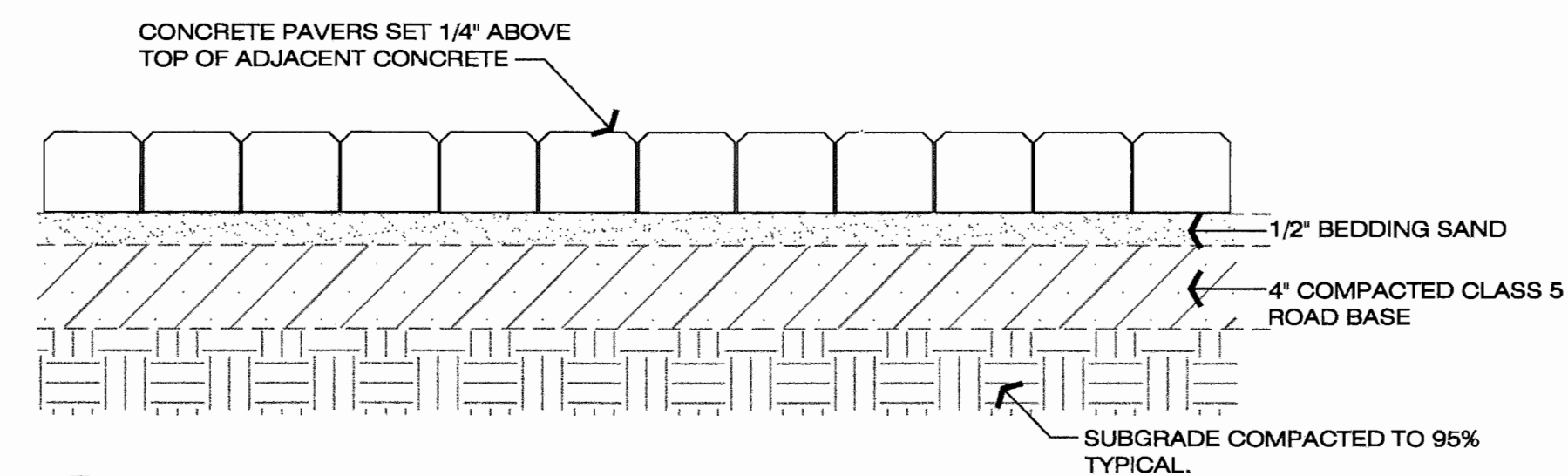
1/4" = 1'-0"



## C DUGOUT SECTION B - B'

L-105 DWG NO.

1/4" = 1'-0"



## D CONCRETE PAVERS SECTION

L-105 DWG NO.

1 1/2" = 1'-0"

| AS-BUILT INFORMATION     |            | BENCH MARKS |            | SURVEY INFORMATION |      | LANDSCAPE ARCHITECT'S SEAL |      | REVISIONS |      | TERRA CREATAS LANDSCAPE ARCHITECTURE |      | DESIGNED BY |      | DRAWN BY |      | CHECKED BY |      |
|--------------------------|------------|-------------|------------|--------------------|------|----------------------------|------|-----------|------|--------------------------------------|------|-------------|------|----------|------|------------|------|
| CONTRACTOR               | DATE       | NO.         | DATE       | NO.                | DATE | NO.                        | DATE | NO.       | DATE | NO.                                  | DATE | NO.         | DATE | NO.      | DATE | NO.        | DATE |
| CONTRACTOR A.L. HOSMER   | DATE 07/08 |             | DATE 07/08 |                    |      |                            |      |           |      |                                      |      |             |      |          |      |            |      |
| WORK ORDER NO. 123456789 | DATE 07/08 |             | DATE 07/08 |                    |      |                            |      |           |      |                                      |      |             |      |          |      |            |      |
| ACCEPTANCE BY COA        | DATE 07/08 |             | DATE 07/08 |                    |      |                            |      |           |      |                                      |      |             |      |          |      |            |      |
| VERIFICATION BY REC'D    | DATE 07/08 |             | DATE 07/08 |                    |      |                            |      |           |      |                                      |      |             |      |          |      |            |      |
| DRAWING NO. 07/08/08     | DATE 07/08 |             | DATE 07/08 |                    |      |                            |      |           |      |                                      |      |             |      |          |      |            |      |
| MICRO-FILM INFORMATION   |            | RECORDED BY |            | DATE               |      | NO.                        |      | DATE      |      | NO.                                  |      | DATE        |      | NO.      |      | DATE       |      |
|                          |            |             |            |                    |      |                            |      |           |      |                                      |      |             |      |          |      |            |      |



**WILSON & COMPANY**  
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 SUITE 100  
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CITY OF ALBUQUERQUE  
 DEPARTMENT OF MUNICIPAL DEVELOPMENT  
 STORM DRAINAGE  
**TINGLEY PARK RECONSTRUCTION**  
**LANDSCAPE CONSTRUCTION DETAILS**

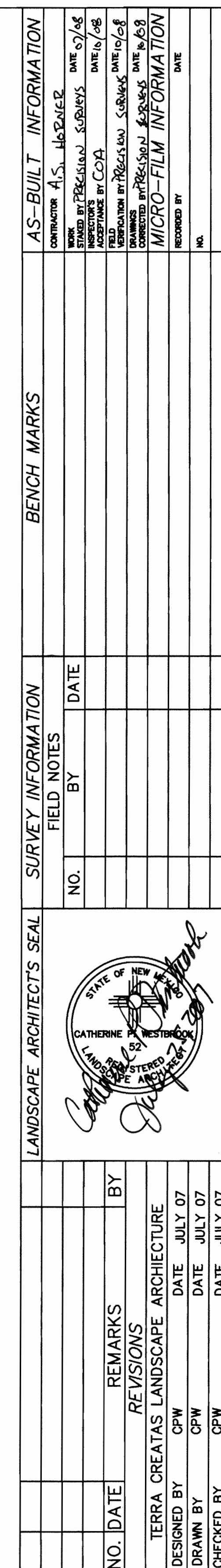
**TERRA CREATAS**  
 Landscape Architecture  
 4302 Broad St NE, Albuquerque, NM 87109  
 505.841.5065  
 C. Patricia Westbrock, ASLA

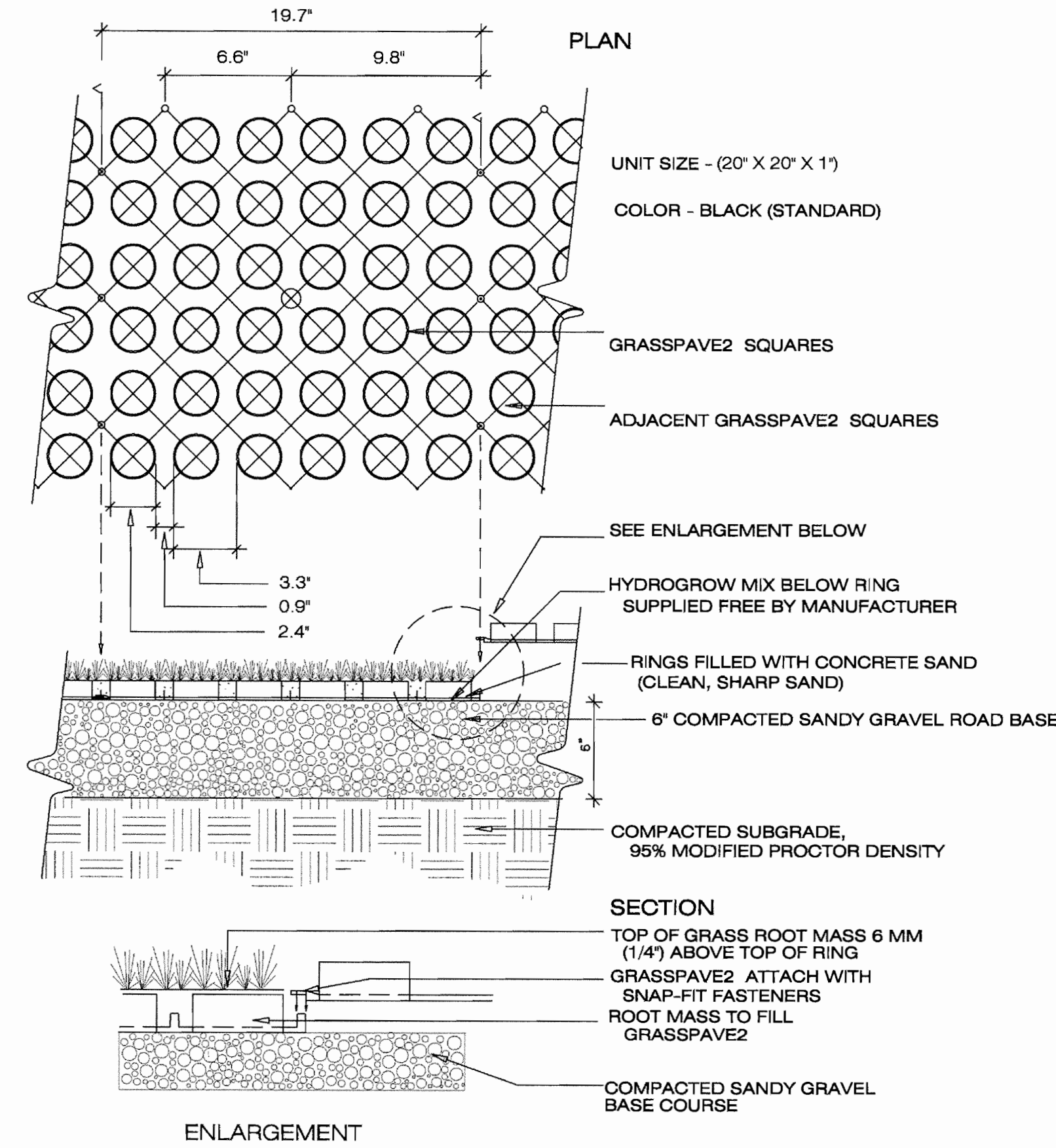
Design Review Committee  
 City Engineer Approval  
 Last Design Update  
 Mo./Day/Yr.  
 Mo./Day/Yr.

City Project No.  
 7963.91

Zone Map No.  
 K-13

Sheet  
**L-105**



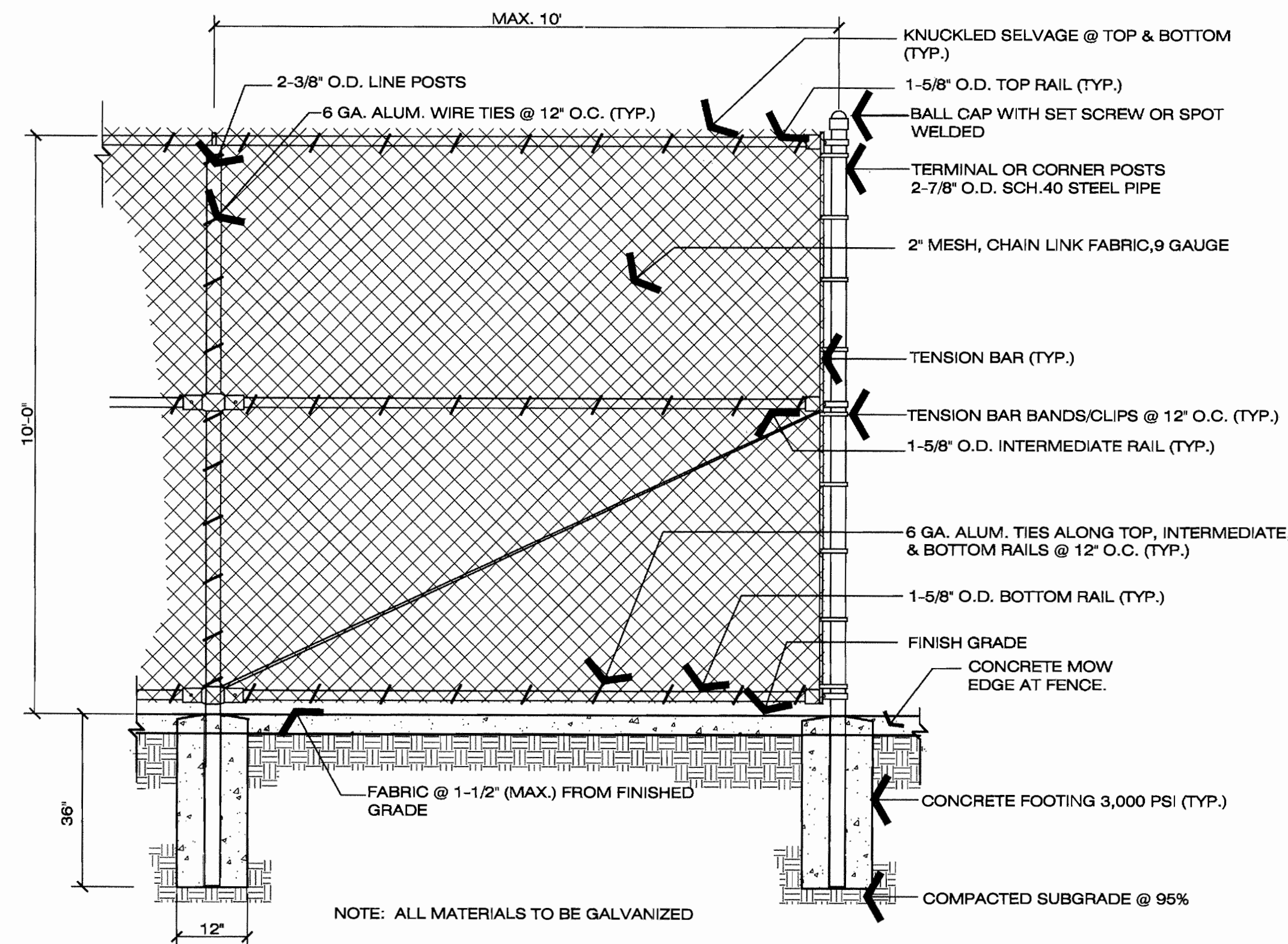


NOTES: 1. FOR TURF SPECIFICATION - SEE PLANTING PLAN  
2. GRASPAVE2 (OR APPROVED EQUAL) IS AVAILABLE FROM  
INVISIBLE STRUCTURES, INC. (800) 233-1510

## A GRASPAVE2 INSTALLATION

GRSPAV

NTS

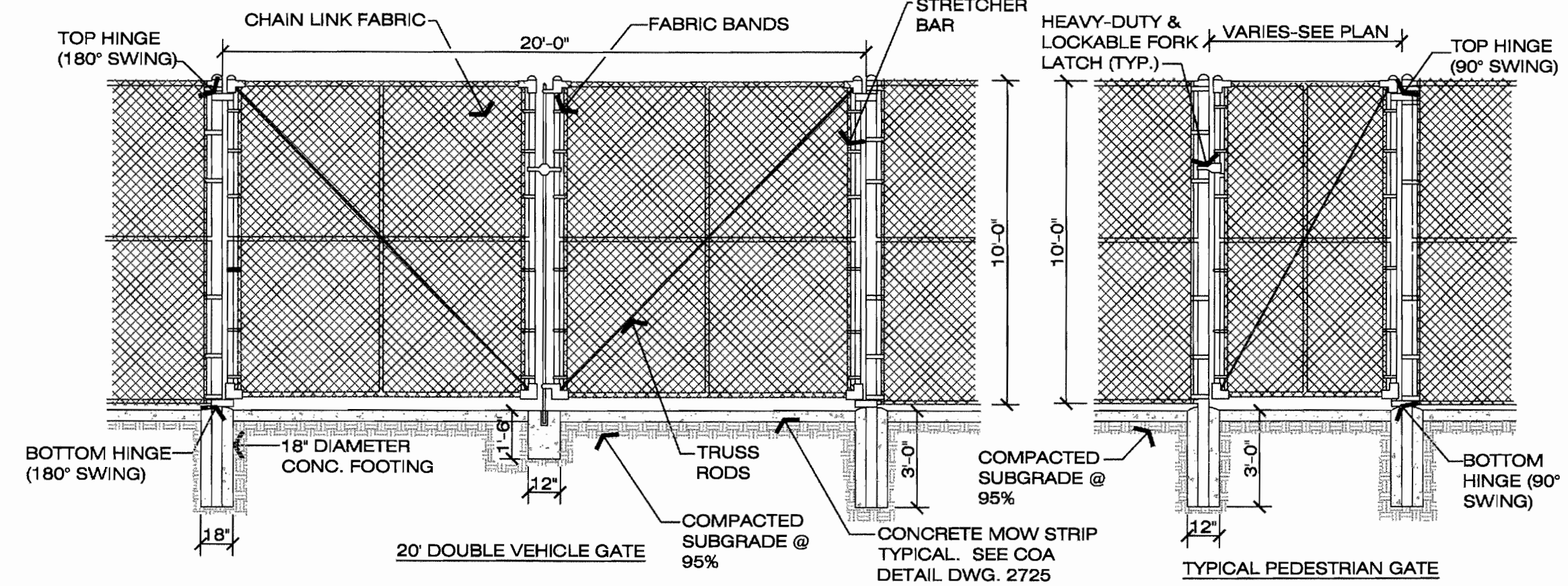


NOTE: ALL MATERIALS TO BE GALVANIZED

## B 10' CHAIN LINK FENCE (WITHOUT FABRIC SCREEN)

DWG NO.

1/2" = 1'-0"



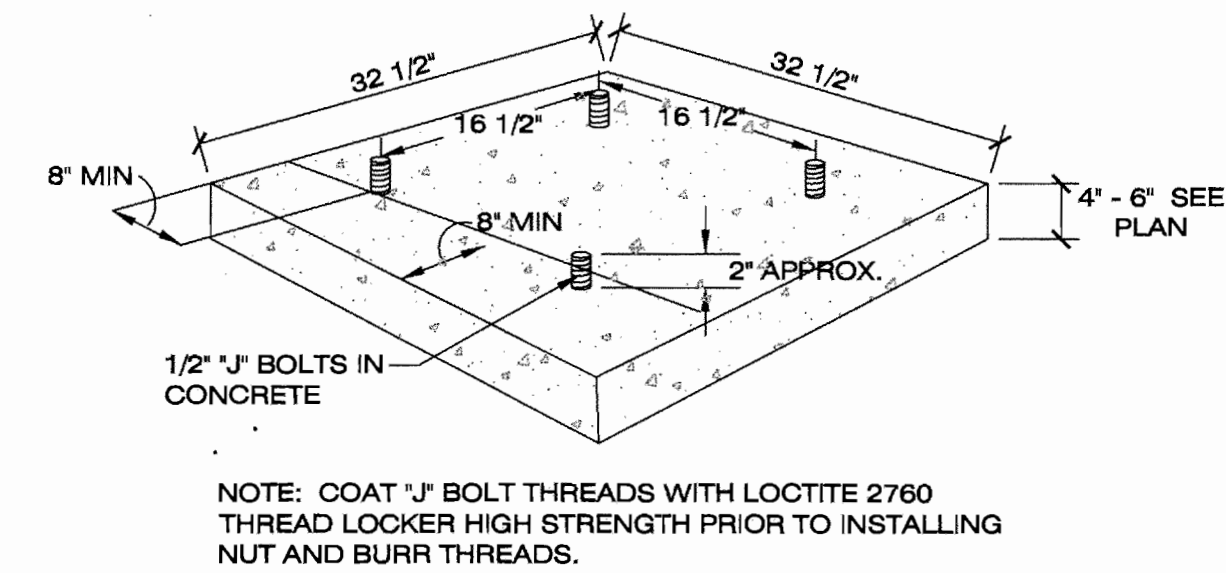
NOTES:  
1. FENCE FABRIC SHALL BE SECURED TO GATE FRAMES WITH KNUCKLED  
SELVAGE ALONG ALL EDGES FOR ALL TYPES CHAIN LINK FENCE  
INSTALLATIONS.  
2. GATES ARE TO SWING INSIDE THE FIELD. SEE LANDSCAPE  
CONSTRUCTION PLAN.  
3. CONTRACTOR SHALL INSTALL FENCING AND GATES PER THESE  
DETAILS AND THE MANUFACTURER'S INSTRUCTIONS.

## C 10' CHAIN LINK FENCE - DOUBLE & SINGLE GATE

L-107

DWG NO.

1/4" = 1'-0"



NOTE: COAT "J" BOLT THREADS WITH LOCTITE 2760  
THREAD LOCKER HIGH STRENGTH PRIOR TO INSTALLING  
NUT AND BURR THREADS.

## D TRASH RECEPTACLE CONC PAD & INSTALLATION

L-107

07222007

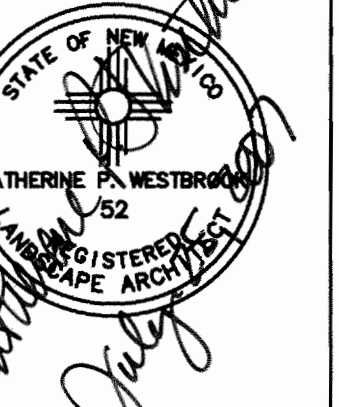
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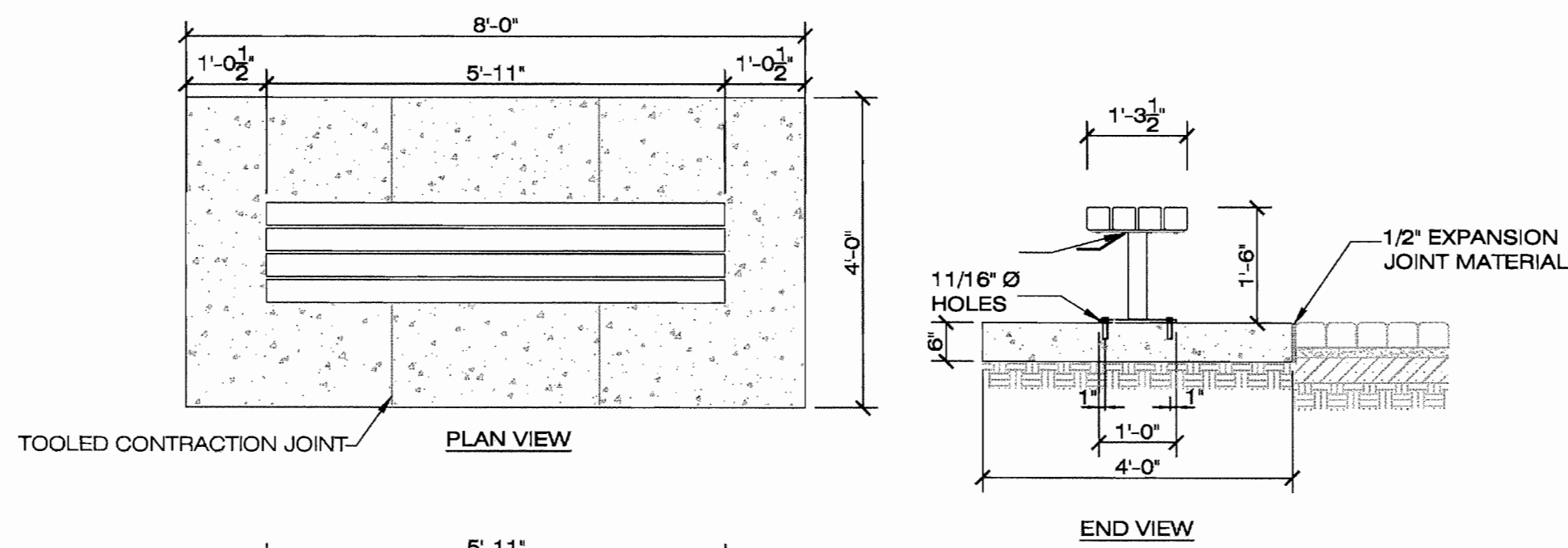
**WILSON  
& COMPANY**  
4900 LANG AVE N.E.  
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**TERRA CREATAS**  
Landscape Architecture  
4508 Grand St. N.E. Albuquerque, NM 87109  
505.881.5062  
C. Patricia Westbrook, ASLA

| CITY OF ALBUQUERQUE<br>DEPARTMENT OF MUNICIPAL DEVELOPMENT<br>STORM DRAINAGE |                                          |
|------------------------------------------------------------------------------|------------------------------------------|
| TINGLEY PARK RECONSTRUCTION<br>LANDSCAPE CONSTRUCTION DETAILS                |                                          |
| Design Review Committee                                                      | City Engineer Approval                   |
| APPROVED<br>AUG 01 2007<br>DESIGN REVIEW COMMITTEE                           | APPROVED<br>AUG 01 2007<br>CITY ENGINEER |
| City Project No. 7963.91                                                     | Zone Map No. K-13                        |
| Sheet                                                                        | L-107                                    |

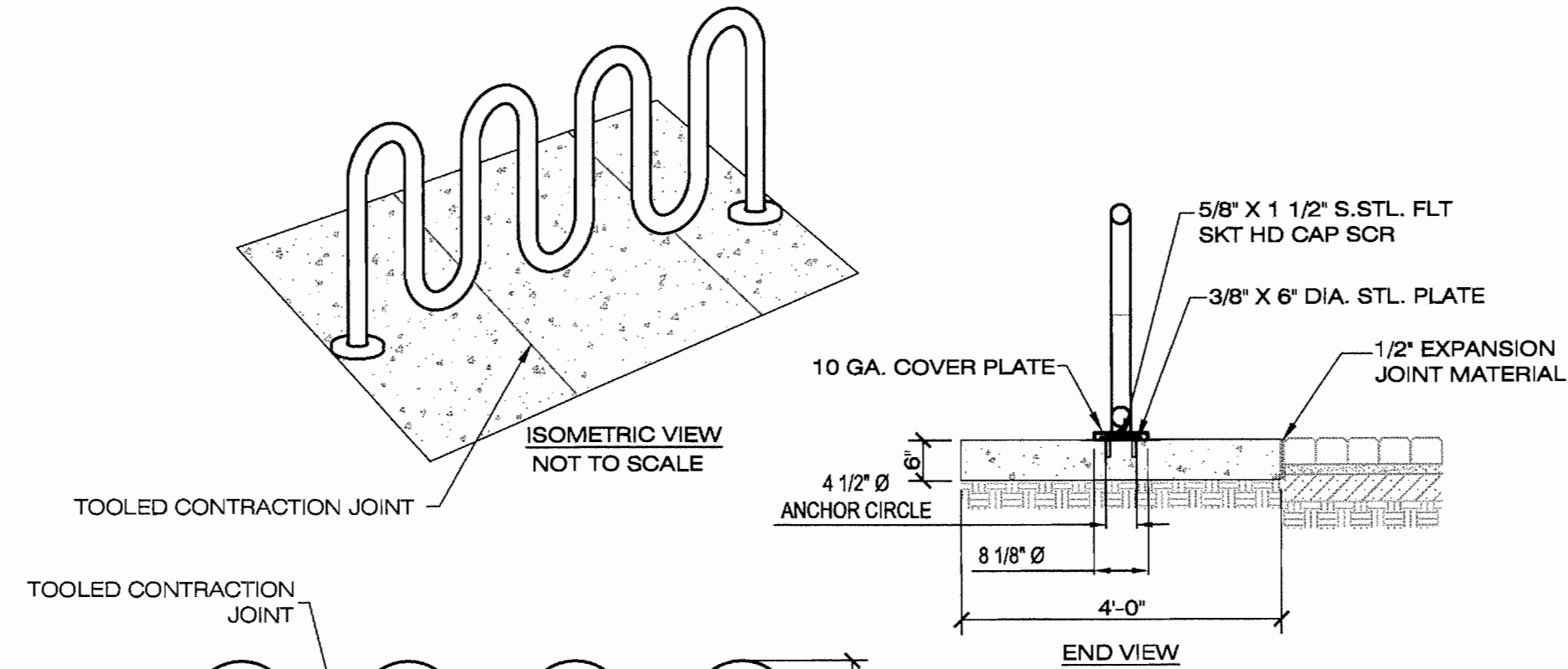
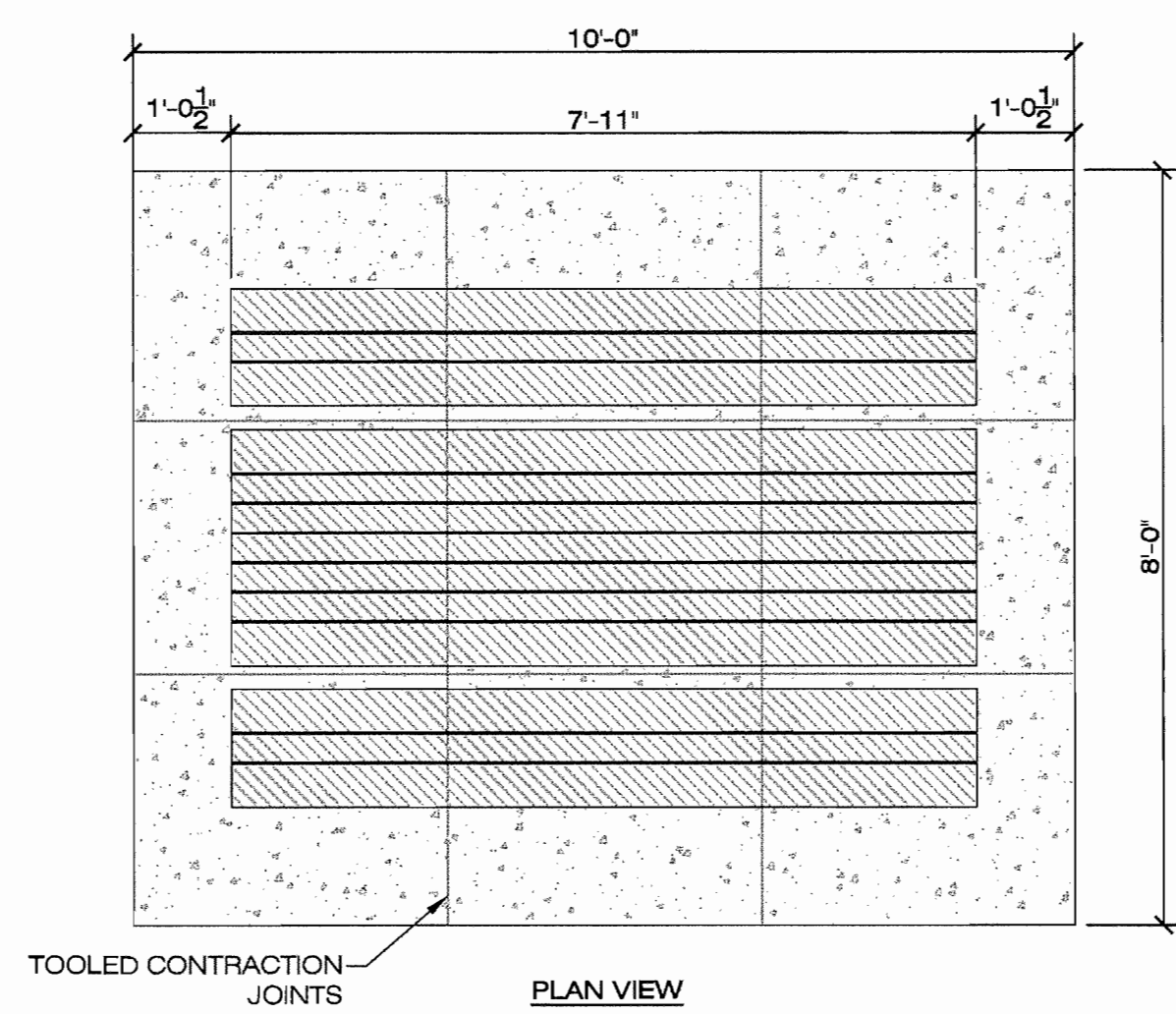
| AS-BUILT INFORMATION |              |         |         | BENCH MARKS |      |         |    | SURVEY INFORMATION |      |         |    | LANDSCAPE ARCHITECT'S SEAL |      |         |    |
|----------------------|--------------|---------|---------|-------------|------|---------|----|--------------------|------|---------|----|----------------------------|------|---------|----|
| CONTRACTOR           | A.S. HERANER | DATE    | 07/06   | NO.         |      | DATE    |    | NO.                |      | DATE    |    | NO.                        |      | DATE    |    |
| DESIGNED BY          | CPW          | DATE    | JULY 07 | NO.         |      | DATE    |    | NO.                |      | DATE    |    | NO.                        |      | DATE    |    |
| DRAWN BY             | CPW          | DATE    | JULY 07 | NO.         |      | DATE    |    | NO.                |      | DATE    |    | NO.                        |      | DATE    |    |
| CHECKED BY           | CPW          | DATE    | JULY 07 | NO.         |      | DATE    |    | NO.                |      | DATE    |    | NO.                        |      | DATE    |    |
| REVISIONS            |              |         |         | REVISIONS   |      |         |    | REVISIONS          |      |         |    | REVISIONS                  |      |         |    |
| NO.                  | DATE         | REMARKS | BY      | NO.         | DATE | REMARKS | BY | NO.                | DATE | REMARKS | BY | NO.                        | DATE | REMARKS | BY |
| 1                    |              |         |         | 1           |      |         |    | 1                  |      |         |    | 1                          |      |         |    |
| 2                    |              |         |         | 2           |      |         |    | 2                  |      |         |    | 2                          |      |         |    |
| 3                    |              |         |         | 3           |      |         |    | 3                  |      |         |    | 3                          |      |         |    |
| 4                    |              |         |         | 4           |      |         |    | 4                  |      |         |    | 4                          |      |         |    |
| 5                    |              |         |         | 5           |      |         |    | 5                  |      |         |    | 5                          |      |         |    |
| 6                    |              |         |         | 6           |      |         |    | 6                  |      |         |    | 6                          |      |         |    |
| 7                    |              |         |         | 7           |      |         |    | 7                  |      |         |    | 7                          |      |         |    |
| 8                    |              |         |         | 8           |      |         |    | 8                  |      |         |    | 8                          |      |         |    |
| 9                    |              |         |         | 9           |      |         |    | 9                  |      |         |    | 9                          |      |         |    |
| 10                   |              |         |         | 10          |      |         |    | 10                 |      |         |    | 10                         |      |         |    |





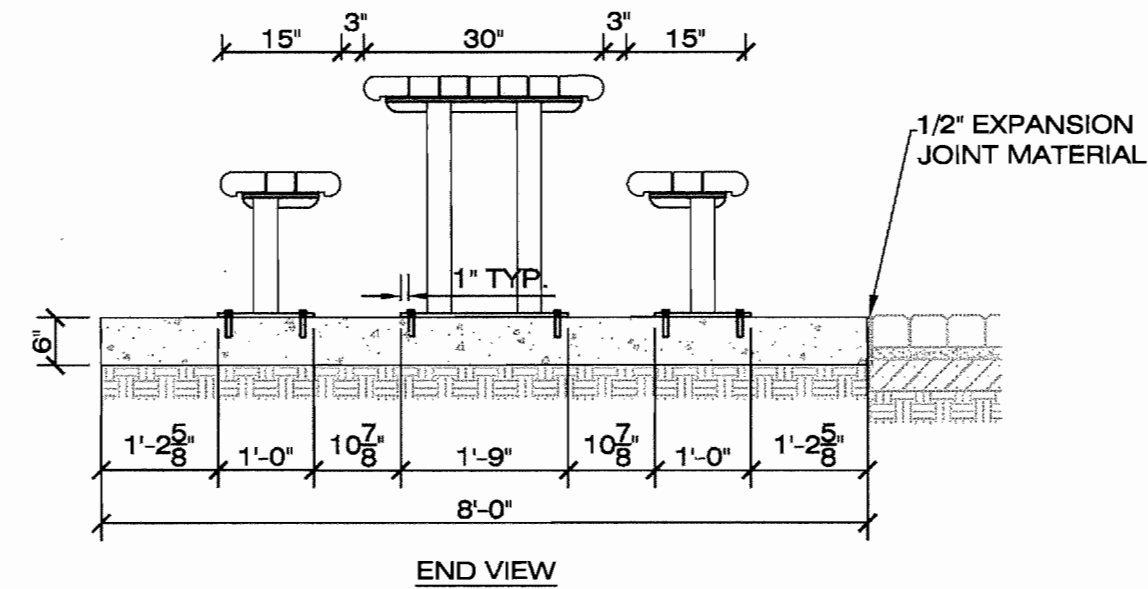
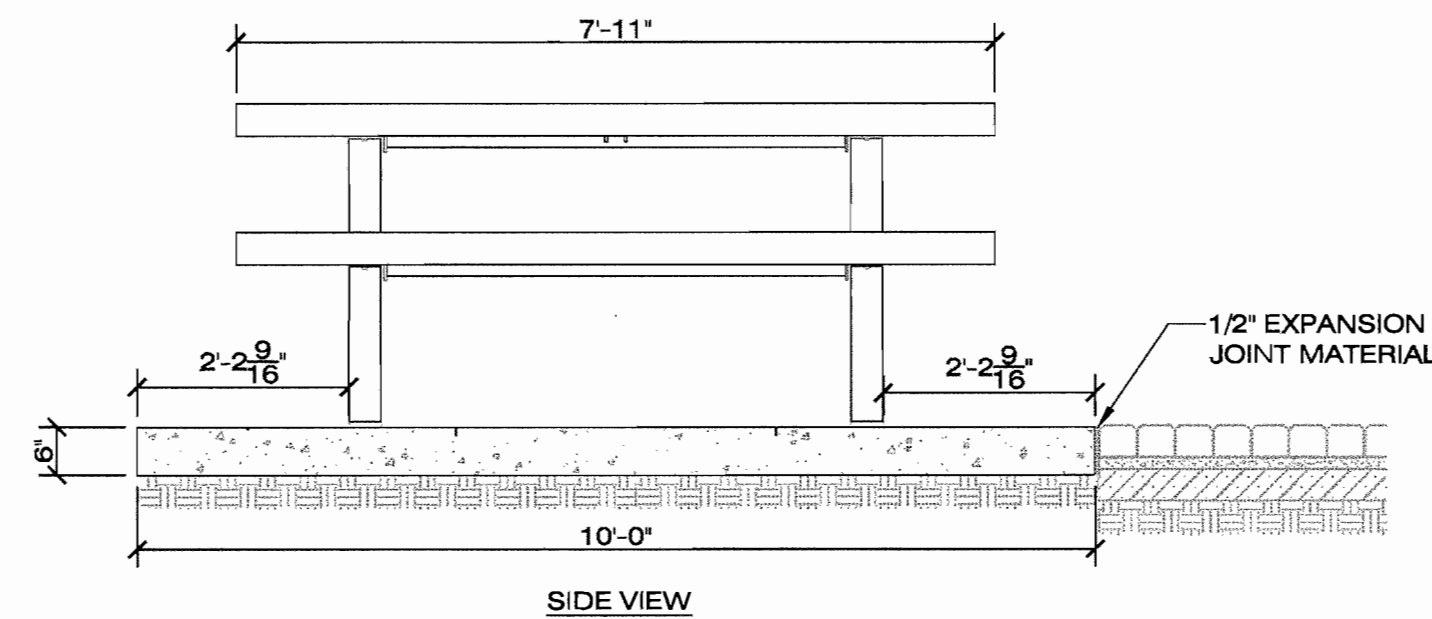
NOTES:

1. INSTALLATION OF BENCH IS TO BE SURFACE MOUNT AND IS TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND THIS DETAIL.
2. PROVIDE TWO TOOLED CONTRACTION JOINTS IN 6" DEPTH, 3000PSI CONCRETE SLAB AS SHOWN. TOOLED JOINTS TO BE 3/4" TO 1" IN DEPTH. MEDIUM BROOM FINISH PARALLEL TO 8' EDGE.
3. INSTALL 1/2" EXPANSION JOINT MATERIAL BETWEEN CONCRETE AND CONCRETE PAVERS.
4. 1/2" X 3/4" EXPANSION ANCHOR BOLTS PROVIDED FOR SURFACE MOUNT OPTION. INSTALL EXPANSION ANCHOR BOLTS WITH EPOXY.
5. BENCHES SHALL BE DUMOR RECYCLED PLASTIC BACKLESS 6' BENCH, MODEL NO. 105-60PL, SUPPORT OPTION, S-2 SURFACE MOUNT WITH VANDAL RESISTANT BOLTS. COLOR: RECYCLED PLASTIC COLOR GREY, POLYESTER POWDER FINISH BRONZE. INSTALL PER MANUFACTURER'S INSTRUCTIONS. AVAILABLE FROM DUMOR, INC. (800) 598-4018, www.dumor.com.
6. COAT ALL THREADS WITH LOCTITE 2760 THREAD LOCKER HIGH STRENGTH PRIOR TO INSTALLING NUTS AND BURR THREADS.



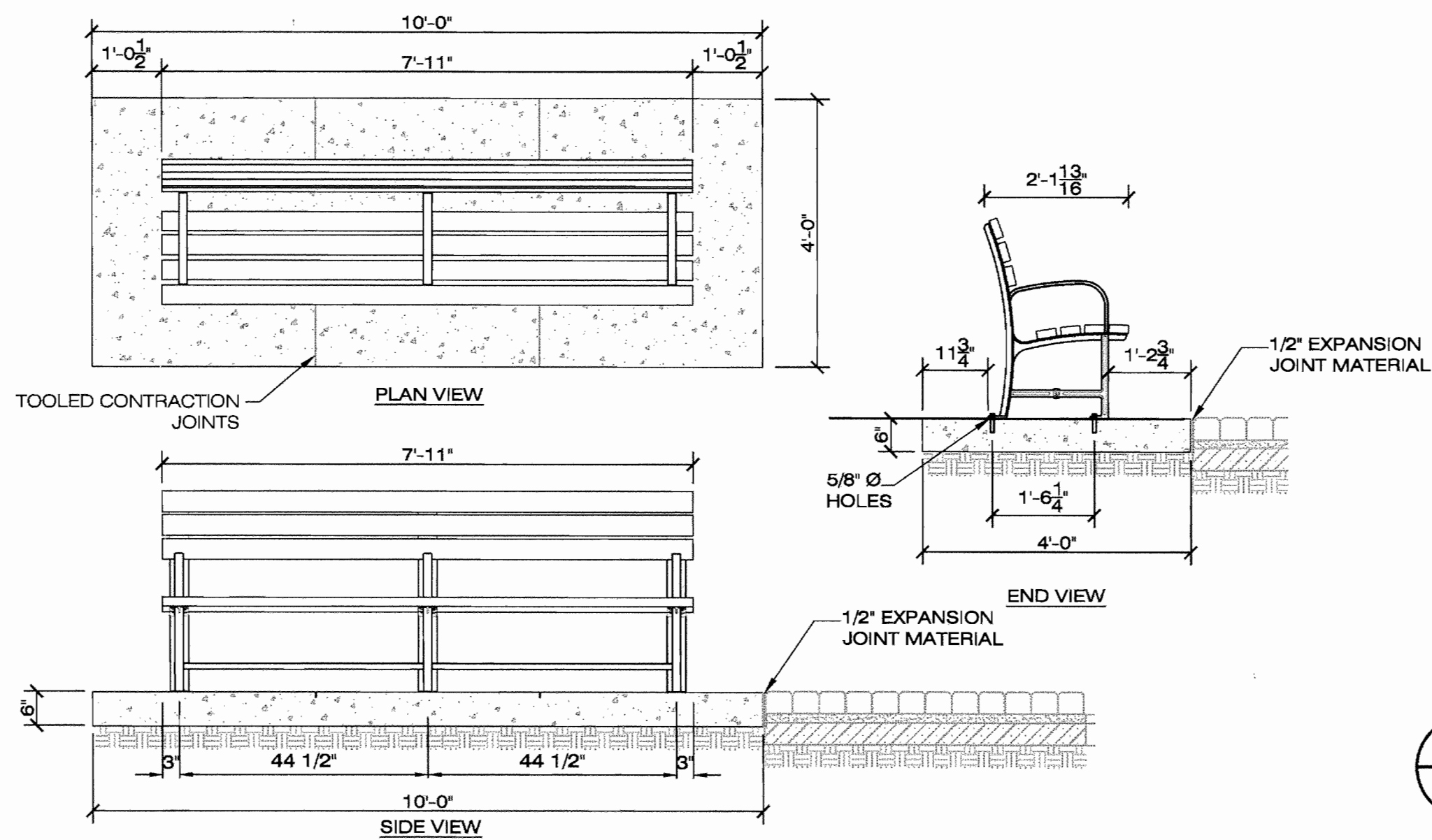
NOTES:

1. INSTALLATION OF BICYCLE RACK IS TO BE SURFACE MOUNT AND IS TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND THIS DETAIL.
2. PROVIDE TWO TOOLED CONTRACTION JOINTS IN 6" DEPTH, 3000PSI CONCRETE SLAB AS SHOWN. TOOLED JOINTS TO BE 3/4" TO 1" IN DEPTH. MEDIUM BROOM FINISH PARALLEL TO 8' EDGE.
3. INSTALL 1/2" EXPANSION JOINT MATERIAL BETWEEN CONCRETE AND CONCRETE PAVERS.
4. 1/2" X 3/4" EXPANSION ANCHOR BOLTS PROVIDED FOR SURFACE MOUNT OPTION. INSTALL EXPANSION ANCHOR BOLTS WITH EPOXY.
5. BICYCLE RACK SHALL BE DUMOR 125 SERIES, 4 PEAKS MODEL NO. 125-40, SURFACE MOUNT WITH VANDAL RESISTANT BOLTS, COLOR HOT DIPPED GALVANIZED. INSTALL PER MANUFACTURER'S INSTRUCTIONS. AVAILABLE FROM DUMOR, INC. (800) 598-4018, www.dumor.com.
6. COAT ALL THREADS WITH LOCTITE 2760 THREAD LOCKER HIGH STRENGTH PRIOR TO INSTALLING NUTS AND BURR THREADS.



NOTES:

1. INSTALLATION OF BENCH IS TO BE SURFACE MOUNT AND IS TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND THIS DETAIL.
2. PROVIDE TWO TOOLED CONTRACTION JOINTS IN 6" DEPTH, 3000PSI CONCRETE SLAB AS SHOWN. TOOLED JOINTS TO BE 3/4" TO 1" IN DEPTH. MEDIUM BROOM FINISH PARALLEL TO 10' EDGE.
3. INSTALL 1/2" EXPANSION JOINT MATERIAL BETWEEN CONCRETE AND CONCRETE PAVERS.
4. 1/2" X 3/4" EXPANSION ANCHOR BOLTS PROVIDED FOR SURFACE MOUNT OPTION. INSTALL EXPANSION ANCHOR BOLTS WITH EPOXY.
5. PICNIC TABLES SHALL BE DUMOR RECYCLED PLASTIC PICNIC TABLE MODEL NO. 100-80PL AND 100-68PL (H/C), SUPPORT OPTION, S-2 SURFACE MOUNT WITH VANDAL RESISTANT BOLTS. COLOR: RECYCLED PLASTIC COLOR GREY, POLYESTER POWDER FINISH BRONZE. INSTALL PER MANUFACTURER'S INSTRUCTIONS. AVAILABLE FROM DUMOR, INC. (800) 598-4018, www.dumor.com.
6. COAT ALL THREADS WITH LOCTITE 2760 THREAD LOCKER HIGH STRENGTH PRIOR TO INSTALLING NUTS AND BURR THREADS.



NOTES:

1. INSTALLATION OF BENCH IS TO BE SURFACE MOUNT AND IS TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND THIS DETAIL.
2. PROVIDE TWO TOOLED CONTRACTION JOINTS IN 6" DEPTH, 3000PSI CONCRETE SLAB AS SHOWN. TOOLED JOINTS TO BE 3/4" TO 1" IN DEPTH. MEDIUM BROOM FINISH PARALLEL TO 10' EDGE.
3. INSTALL 1/2" EXPANSION JOINT MATERIAL BETWEEN CONCRETE AND CONCRETE PAVERS.
4. 1/2" X 3/4" EXPANSION ANCHOR BOLTS PROVIDED FOR SURFACE MOUNT OPTION. INSTALL EXPANSION ANCHOR BOLTS WITH EPOXY.
5. BENCHES SHALL BE DUMOR RECYCLED PLASTIC 8' BENCH WITH BACK, MODEL NO. 98-83PL, SUPPORT OPTION, S-2 SURFACE MOUNT WITH VANDAL RESISTANT BOLTS. COLOR: RECYCLED PLASTIC COLOR GREY, POLYESTER POWDER FINISH BRONZE. INSTALL PER MANUFACTURER'S INSTRUCTIONS. AVAILABLE FROM DUMOR, INC. (800) 598-4018, www.dumor.com.
6. COAT ALL THREADS WITH LOCTITE 2760 THREAD LOCKER HIGH STRENGTH PRIOR TO INSTALLING NUTS AND BURR THREADS.

PICNIC TABLE ON CONCRETE BASE

DWG NO.

1/2" = 1'-0"

BENCH WITH BACK ON CONCRETE BASE

DWG NO.

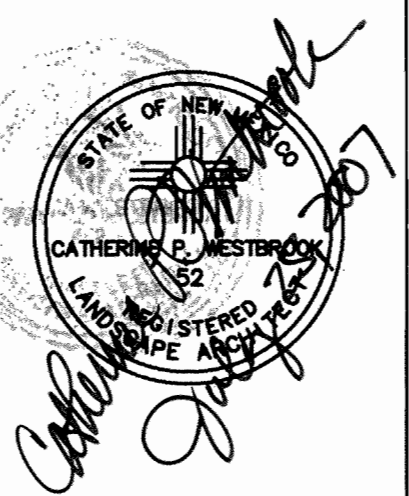
1/2" = 1'-0"

BICYCLE RACK ON CONCRETE BASE

DWG NO.

1/2" = 1'-0"

| AS-BUILT INFORMATION   |      |    |      | BENCH MARKS |      |    |      | SURVEY INFORMATION                   |      |    |      | LANDSCAPE ARCHITECT'S SEAL |      |    |      |
|------------------------|------|----|------|-------------|------|----|------|--------------------------------------|------|----|------|----------------------------|------|----|------|
| CONTRACTOR             | DATE | BY | DATE | NO.         | DATE | BY | DATE | NO.                                  | DATE | BY | DATE | NO.                        | DATE | BY | DATE |
| WILSON & COMPANY       | DATE | BY | DATE |             |      |    |      |                                      |      |    |      |                            |      |    |      |
| INSPECTED BY           | DATE | BY | DATE |             |      |    |      |                                      |      |    |      |                            |      |    |      |
| VERIFIED BY            | DATE | BY | DATE |             |      |    |      |                                      |      |    |      |                            |      |    |      |
| COMPLETED BY           | DATE | BY | DATE |             |      |    |      |                                      |      |    |      |                            |      |    |      |
| MICRO-FILM INFORMATION |      |    |      | REVISIONS   |      |    |      | TERRA CREATAS LANDSCAPE ARCHITECTURE |      |    |      | DESIGNED BY                |      |    |      |
|                        |      |    |      |             |      |    |      |                                      |      |    |      | DRAWN BY                   |      |    |      |
|                        |      |    |      |             |      |    |      |                                      |      |    |      | CHECKED BY                 |      |    |      |
|                        |      |    |      |             |      |    |      |                                      |      |    |      |                            |      |    |      |



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**TERRA CREATAS**  
Landscape Architecture  
4304 Brand St NE, Albuquerque, NM 87109  
205.881.3062  
C. Patricia Westbrook, ASLA

**CITY OF ALBUQUERQUE**  
DEPARTMENT OF MUNICIPAL DEVELOPMENT  
STORM DRAINAGE  
**TINGLEY PARK RECONSTRUCTION**  
LANDSCAPE CONSTRUCTION DETAILS

Design Review Committee  
APPROVED  
AUG 31 2007

City Engineer Approval  
APPROVED  
AUG 01 2007  
CITY ENGINEER

Least Design Update

City Project No. 7963.91

Zone Map No. K-13

Sheet **L-108**



#HUNTER #10-AD-43 PART CIRCLE ROTARY SPRINKLER WITH CHECK VALVE AND #43 NOZZLE (7' 10", 38.7 GPM, 1.52" ITR @ 60 PSI)  
 ● HUNTER #1-25-36S-10 FULL CIRCLE ROTARY SPRINKLER WITH STAINLESS STEEL RISER, CHECK VALVE AND #10 NOZZLE (5'1" R, 10.1 GPM, .43" ITR @ 50 PSI) NOMINAL SPACING = 48'  
 ● HUNTER #1-25-AD-10 PART CIRCLE ROTARY SPRINKLER WITH STAINLESS STEEL RISER, CHECK VALVE AND #10 NOZZLE (5'1" R, 10.1 GPM, .56" ITR @ 50 PSI) NOMINAL SPACING = 48'  
 ● HUNTER #1-25-AD-7 PART CIRCLE ROTARY SPRINKLER WITH STAINLESS STEEL RISER, CHECK VALVE AND #7 NOZZLE (4'7" R, 7.01 GPM, .70" ITR @ 50 PSI) NOMINAL SPACING = 48'  
 ● HUNTER #1-20-36S-30 FULL CIRCLE ROTARY SPRINKLER WITH STAINLESS STEEL RISER, CHECK VALVE AND #30 NOZZLE (36" R, 2.7 GPM, .21" ITR @ 50 PSI) NOMINAL SPACING = 36'  
 ● HUNTER #1-20-AD-30 PART CIRCLE ROTARY SPRINKLER WITH STAINLESS STEEL RISER, CHECK VALVE AND #30 NOZZLE (36" R, 2.7 GPM, .42" ITR @ 50 PSI) NOMINAL SPACING = 35'  
 ● HUNTER #1-20-AD-1.5 PART CIRCLE ROTARY SPRINKLER WITH STAINLESS STEEL RISER, CHECK VALVE AND #1.5 NOZZLE (34" R, 1.6 GPM, .31" ITR @ 50 PSI) NOMINAL SPACING = 35'  
 ● RAINBIRD 1804 SAM-PRS-MPR SERIES SPRAY HEADS  
 FULL = 15R, 3.07GPM, 1.83" ITR @ 30 PSI  
 HALF = 15R, 1.85GPM, 1.83" ITR @ 30 PSI  
 QUARTER = 15R, .92GPM, 1.83" ITR @ 30 PSI  
 VAN = 15R, .92GPM, 1.83" ITR @ 30 PSI 60 DEGREE COVERAGE  
 ● RAINBIRD #1401 .25 GPM, FULL CIRCLE, PRESSURE COMPENSATING, TRICKLE PATTERN BUBBLER (.25 GPM @ 30 PSI)  
 ● RAINBIRD #44RC 1" QUICK COUPLER VALVE - INCLUDE THREE RB #44K KEYS AND THREE RB #SH-1 SWIVEL HOSE CONNECTIONS TO BE TURNED OVER TO CITY  
 ● QUICK COUPLER ISOLATION VALVE 1 1/4" SCH.80 TRU-UNION BALL VALVE  
 ● RAINBIRD #100-PEB 1" PLASTIC ELECTRIC VALVE WITH FLOW CONTROL (VALVE PERFORMANCE: (1-30 GPM) 5.6 PSI LOSS @ 30 GPM)  
 ● RAINBIRD #150-PEB 1 1/2" PLASTIC ELECTRIC VALVE WITH FLOW CONTROL (VALVE PERFORMANCE: (31-75 GPM) 4.2 PSI LOSS @ 75 GPM)  
 ● RAINBIRD #200-PEB 2" PLASTIC ELECTRIC VALVE WITH FLOW CONTROL (VALVE PERFORMANCE: (76-100 GPM) 3.9 PSI LOSS @ 100 GPM)  
 ● WEATHERMATIC #8200CR-30 3" BRASS, CONTAMINATE RESISTANT, ELECTRIC VALVE WITH FLOW CONTROL (VALVE PERFORMANCE: 101-250 GPM) 7.1 PSI LOSS @ 250 GPM)  
 ● PUSH-ON IRON BODY GATE VALVE - LINE SIZE  
 ● "A" IRRIGATION CONTROLLER (CLAY INFIELD) - RAINBIRD ESP-4, 4 STATION FULL PROGRAMMABLE IRRIGATION CONTROLLER - INSTALL INSIDE OF MAINTENANCE BUILDING (4 STATION OUTPUT)  
 ● "B" IRRIGATION SATELLITE CONTROLLER - MOTOROLA IRRINET CONTROLLER INSTALLED IN AN INTERSEC CABINET, REMOTE SWITCH WITH COA COMMUNICATION RADIO AND STATION SWITCHES (32 STATION OUTPUT)  
 ● "M" WATER METER - SENSUS METERING SYSTEMS #WV-350-DR 3" TURBO WATER METER (CONTRACTOR TO INCLUDE ALL INSTALLATION COSTS ASSOCIATED WITH PIPING WATER METER INCLUDING UTILITY EXPANSION CHARGES) INSTALL AS PER COA SPECIFICATIONS (< 3.0 PSI LOSS AT 230 GPM)  
 ● "M" WATER METER - SENSUS METERING SYSTEMS #W-2000-DR 6" TURBO WATER METER (CONTRACTOR TO INCLUDE ALL INSTALLATION COSTS ASSOCIATED WITH PIPING WATER METER INCLUDING UTILITY EXPANSION CHARGES) INSTALL AS PER COA SPECIFICATIONS (< 1.0 PSI LOSS AT 600 GPM)  
 ● "B" BACKFLOW PREVENTER 3" - FEBCO #880V-3 REDUCED PRESSURE BACKFLOW PREVENTER INSTALLED INSIDE OF HOTBOX #B3000, LOW PROFILE, INSULATED FIBERGLASS ENCLOSURE WITH 1000 WATT HEATER (CONTRACTOR TO PROVIDE ELECTRICAL POWER FOR HEATER)  
 ● "B" BACKFLOW PREVENTER 6" - FEBCO #880V-6 REDUCED PRESSURE BACKFLOW PREVENTER INSTALLED INSIDE OF HOTBOX #B3000, LOW PROFILE, INSULATED FIBERGLASS ENCLOSURE WITH 1000 WATT HEATER (CONTRACTOR TO PROVIDE ELECTRICAL POWER FOR HEATER)  
 ● "A" MASTER METER #MMT SERIES 3" TURBINE METER WITH ELECTRICAL OUTPUT REGISTER (1 PULSE = 10 GALLONS) (<3.00 PSI LOSS AT 260 GPM)  
 ● "B" MASTER METER #MMT SERIES 6" TURBINE METER WITH ELECTRICAL OUTPUT REGISTER (1 PULSE = 10 GALLONS) (<3.00 PSI LOSS AT 580 GPM)  
 ● "A" MASTER VALVE - WEATHERMATIC #8200CR-30 3" BRASS, CONTAMINATE RESISTANT, ELECTRIC VALVE WITH FLOW CONTROL (VALVE PERFORMANCE: (1-30 GPM) 7.1 PSI LOSS @ 250 GPM) CONTRACTOR SHALL INSTALL 4" WEATHERMATIC #PRK-24 PRESSURE REGULATION MODULE ON MASTER VALVE AND SET REGULATION AT 55 PSI  
 ● "B" MASTER VALVE - CLA-VAL #93-01 4" FULL PORT 125# FLANGED GLOBE CONFIGURATION, NORMALLY CLOSED, PRESSURE REDUCING SOLENOID SHUT-OFF VALVE, THE VALVE SHALL HAVE A #X100L LIMIT SWITCH STEM ASSEMBLY WITHOUT THE ELECTRICAL LIMIT SWITCH AND #X141 GLOBE ASSEMBLY WITH 1-1000# GAUGES ON BOTH UPSTREAM AND DOWNSTREAM VALVE PORTS AND 1/2" NPT CLEAN STRAINER WITH #XK2 ISOLATION VALVE COCKS INSTALLED ON THE PILOT CONTROL TUBING VALVE PORTS (THE CONTRACTOR SHALL SET REGULATION TO 60 PSI DISCHARGE PRESSURE @ 580 GPM)  
 ● CRISPEN #JUL10-1 UNIVERSAL AIR RELEASE VALVE ASSEMBLY  
 ● MAINLINE PIPE FOR CLAY INFIELD AND QUICK COUPLER SYSTEM (WATER SOURCE "A"): 4" CLASS 200 PVC PIPE  
 ● MAINLINE PIPE FOR ATHLETIC FIELD SYSTEM (WATER SOURCE "A"): 6" CLASS 200 PVC PIPE  
 ● MAINLINE PIPE FOR COMMON PARK AREAS (WATER SOURCE "B"): 8" CLASS 200 PVC PIPE  
 ● LATERAL PIPING SCH.40 PVC SOLVENT WELD - PIPE SIZE INDICATED ON PLAN REFER TO CHART BELOW FOR UNIZED PIPE:  
 BUBBLERS AND SPRAY HEADS - 3/4"  
 1-20 SPRINKLERS - 1"  
 1-40 SPRINKLERS - 1 1/4"  
 QUICK COUPLERS - 1 1/4"  
 ● SLEEVE PIPING CLASS 200 PVC (TWO SIZES LARGER THAN TO BE SLEEVED)

**WATER PRESSURE:** THE WATER PRESSURE AT THIS SITE HAS BEEN REPORTED TO BE 94.1 PSI BY COA WATER UTILITIES. THE CONTRACTOR SHALL VERIFY THE DESIGN CRITERIA OF THE IRRIGATION SYSTEM BY COMPLETING A FLOW / PRESSURE TEST PRIOR TO THE INSTALLATION OF ANY IRRIGATION COMPONENTS. THE CONTRACTOR SHALL INSTALL A FLOW METER AND WATER METER TO MONITOR THE PRESSURE AND FLOW OF THE IRRIGATION SYSTEM. THE CONTRACTOR SHALL MEASURE THE DYNAMIC WATER PRESSURE AT THE FLOW NOTED BELOW, AND REPORT HIS FINDINGS IN WRITING TO THE CITY PROJECT MANAGER. THE CONTRACTOR SHALL BE RESPONSIBLE TO PREPARE AND SUBMIT A FLOW CURVE FOR EACH SYSTEM COMPONENT UPON ACCEPTABLE CONDITIONS.

**WATER SOURCE:** 4" (6" MINETER) - 95 PSI @ 230 GPM (DYNAMIC)  
WATER SOURCE: 4" (6" MINETER) - 95 PSI @ 230 GPM (DYNAMIC)

**SPRINKLER STAKING:**  
THE SPRINKLER LOCATIONS SHALL BE PRECISELY LOCATED BY THE USE OF SURVEY GRADE GPS EQUIPMENT OR CONVENTIONAL SURVEY METHODS. THE FINAL STAKED LOCATIONS SHALL BE USED TO DISTURB THE TURF AREAS IN DIGITAL AUTOCAD FORMAT. THE DATA SHALL THEN BE FORWARDED TO THE IRRIGATION CONSULTANT, WHO WILL ADJUST SPRINKLER LOCATIONS ACCORDINGLY BASED ON THIS DATA. THE IRRIGATION CONSULTANT SHALL PROVIDE A FIELD LOCATE FOR EACH SPRINKLER LOCATION TO THE CONTRACTOR'S SURVEY FIRM TO FIELD LOCATE. THE COSTS OF THESE SERVICES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

OR  
THE CONTRACTOR SHALL HIRE HIS OWN SURVEY FIRM TO PROVIDE AS-BUILT SURVEY DATA. THE CONTRACTOR SHALL PROVIDE THE IRRIGATION CONSULTANT WITH THE DATA IN DIGITAL AUTOCAD FORMAT. THE DATA SHALL THEN BE FORWARDED TO THE IRRIGATION CONSULTANT, WHO WILL ADJUST SPRINKLER LOCATIONS ACCORDINGLY BASED ON THIS DATA. THE IRRIGATION CONSULTANT SHALL PROVIDE A FIELD LOCATE FOR EACH SPRINKLER LOCATION TO THE CONTRACTOR'S SURVEY FIRM TO FIELD LOCATE. THE COSTS OF THESE SERVICES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**CERTIFIED LANDSCAPE IRRIGATION AUDIT:**  
THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A CERTIFIED LANDSCAPE IRRIGATION AUDIT. THE AUDIT SHALL BE CONDUCTED BY A CERTIFIED LANDSCAPE IRRIGATION AUDIT PREPARATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THAT THE SPRINKLER IRRIGATION SYSTEM IS IN FULL WORKING ORDER PRIOR TO AUDIT. THERE SHALL BE NO MAJOR LEAKS, CLOGS, OR OTHER ISSUES THAT WOULD REQUIRE THE SYSTEM TO BE REPLACED OR REPAIRED. ALL DEBRIS OR DIRTY PILES MUST BE REMOVED OR LEVELED AND EACH SPRINKLER MUST BE PROPERLY SET AND LEVELED. THE CONTRACTOR SHALL ALSO PROVIDE A FIELD LOCATE FOR EACH SPRINKLER LOCATION. THE IRRIGATION CONSULTANT SHALL DISCHARGE PRESSURE INDICATED ON PLAN.

**SPECIFICATIONS AND DETAIL DRAWINGS:**  
THE CONTRACTOR SHALL REFER TO THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS AND DETAIL DRAWINGS FOR IRRIGATION CONSTRUCTION. IN THE EVENT OF A CONFLICT BETWEEN SPECIFICATIONS AND IRRIGATION DESIGN, THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER IN WRITING. THE CONTRACTOR SHALL NOT PROCEED WITH CONSTRUCTION WITHOUT CONSULTING WITH THE CITY PROJECT MANAGER. HE RECEIVES CLARIFICATION IN WRITING FROM THE PROJECT MANAGER.

**TREE / SHRUB LOCATIONS:**  
THE PIPE ROUTING SHOWN ON THESE PLANS IS SCHEMATIC. THE CONTRACTOR SHALL INSTALL ALL PIPING OUTSIDE OF THE ROOT ZONE OF TREES OR SHRUBS. THE SPRINKLER LOCATIONS SHALL BE ADJUSTED TO AVOID THE ROOT ZONE OF OTHER UNINTENDED TREES OR SHRUBS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING ALL TREES AND SHRUBS CLOSELY AS POSSIBLE TO LOCATIONS SHOWN ON PLANS TO MEET THE INTENDED DISTRIBUTION UNIFORMITY. THE CONTRACTOR SHALL FIELD ADJUST ANY TREE LOCATIONS THAT ARE NOT SHOWN ON THE PLANS. IF A SPRINKLER IS REQUIRED, IF SUCH ANIMAL TREE REARRANGEMENT IS REQUIRED, THE CONTRACTOR SHALL HAVE HIS PROPOSED LOCATIONS APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PLANTING.

**SPRINKLER NOZZLES:**  
THE CONTRACTOR SHALL ADJUST THE THROWING RANGE OF ALL PERTINENT SPRINKLER NOZZLES TO MEET THE OVERSPRAY ON THE HARDSCAPE OF OTHER UNINTENDED AREAS. THE CONTRACTOR SHALL ALSO INCLUDE IN HIS BID OR PRICING, AN ALLOWANCE FOR ANY SPRINKLER NOZZLE CHANGES THAT ARE DEMED NECESSARY BY THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL BE RESPONSIBLE TO CORRECT ISSUES OF OVERSPRAY, UNDERSPRAY OR DISTRIBUTION UNIFORMITY.

**MAINLINE FITTINGS:**  
THE CONTRACTOR SHALL USE TWO (2) 45 DEGREE ELBOWS FOR EACH 90 DEGREE MAINLINE BEND AS PER CITY OF ALBUQUERQUE'S REQUEST.

**WATER SOURCES:**  
THIS IRRIGATION SYSTEM UTILIZES TWO INDEPENDENT WATER SOURCES AND THREE PUMPED MAINLINES. WATER SOURCE "A" (6" MINETER) WILL PROVIDE WATER TO THE TWO ATHLETIC FIELDS AND THE SEPARATELY CONTROLLED QUICK COUPLER AND INFIELD IRRIGATION. WATER SOURCE "B" (6" MINETER) WILL PROVIDE WATER TO THE REMAINDER OF THE PARK. THE CONTRACTOR SHALL NOTE THAT THE QUICK COUPLER AND INFIELD IRRIGATION SYSTEM HAS A SEPARATE, CONSTANT PRESSURE MAINLINE. THIS MAINLINE SHALL ORIGINATE IMMEDIATELY DOWNSTREAM OF THE "B" BACKFLOW PREVENTER AT WATER SOURCE "A". DO NOT CONNECT THIS MAINLINE DOWNSTREAM OF THE MASTER VALVE AT WATER SOURCE "A".

**IRRIGATION SATELLITES:**  
THIS IRRIGATION SYSTEM UTILIZES TWO IRRIGATION CONTROLLERS. ONE CONTROLLER IS USED FOR THE IRRIGATION OF THE STATION WIRE SYSTEM. THE OTHER CONTROLLER IS USED FOR THE HUNTER-B0 SPRINKLERS IN EACH OF THE CLAY INFIELDS. THE OTHER CONTROLLER WILL BE A MOTOROLA IRRINET - 32 STATION. THE IRRINET WILL BE USED TO CONTROL ALL THE CONTRACTOR SHALL INSTALL THE RAINBIRD ESP CONTROLLER AT EYE LEVEL INSIDE OF THE MAINTENANCE BUILDING LOCATED IN THE SW CORNER. THE IRRINET SATELLITE CONTROLLER SHALL BE INSTALLED IN THE SW CORNER OF THE MAINTENANCE BUILDING. THE CONTRACTOR SHALL PROVIDE ELECTRICAL POWER TO BOTH IRRIGATION CONTROLLERS.

**24 VOLT IRRIGATION WIRE:**  
THIS IRRIGATION SYSTEM WILL UTILIZE UNIQUE WIRE COLORS TO HELP IN FUTURE MAINTENANCE. THE "STATION" WIRES CONNECTED TO WATER SOURCE "A" SHALL BE RED IN COLOR. THE "HUNTER-B0" WIRES CONNECTED TO WATER SOURCE "B" SHALL BE GREEN IN COLOR (OR SIMILAR). THE STATION WIRES CONNECTED TO THE INFIELD IRRIGATION CONTROLLER SHALL BE YELLOW IN COLOR (OR SIMILAR). THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING ALL WIRE COLORS AND THE COLOR OF THE THREE SYSTEMS CAN BE IDENTIFIED. IT IS PREFERRED THAT THE "COMMON" WIRES BE WHITE WITH A PERMANENT COLOR STRIPE THAT MATCHES THE COLOR OF STATION WIRE GROUPS.

**SPRINKLER SWING JOINTS:**  
THE CONTRACTOR SHALL UTILIZE LASCO OR PEARS STANDARD UNITIZED SWING JOINTS SIZED TO THE INLET SIZE OF THE SPRINKLER BODY.

**LOW HEAD DRAINAGE:**  
THE CONTRACTOR SHALL INCLUDE IN HIS BID THE INSTALLATION OF UP TO SIX SCH 40 PVC SWING-TYPE CHECK VALVES (ASSUME 3") INSTALLED INSIDE OF A CARSON #9X10" 10" ROUND VALVE BOX WITH 8" CLASS 200 SLEEVE PIPE. THESE VALVES WILL BE FIELD LOCATED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING ALL DRAINING ISSUES. THE CONTRACTOR SHALL NOTE THAT THESE CHECK VALVES MAY BE INSTALLED AFTER THE INITIAL INSTALLATION, BACKFILL AND TESTING OF THE SYSTEM.

**IRRIGATION AS-BUILT:**  
THE PIPE ROUTING SHOWN ON THESE PLANS IS SCHEMATIC AND MAY REQUIRE FIELD ADJUSTMENTS. THE CONTRACTOR TO AVOID OR MINIMIZE CROSSINGS OF THE DRAIN SYSTEM PIPING, THE CONTRACTOR SHALL KEEP ACCURATE AS-BUILT NOTES OF THE IRRIGATION SYSTEM. THE CONTRACTOR SHALL PROVIDE A FIELD LOCATE FOR EACH SPRINKLER LOCATION. THE CONTRACTOR SHALL PROVIDE THREE COPIES OF THE ENTIRE IRRIGATION SYSTEM AS-BUILT IN DIGITAL AUTOCAD, ADOBE PDF AND HARD COPY FORMAT. THREE COPIES OF A REDUCED SIZE (11x17), LAMINATED AS-BUILT WILL ALSO BE REQUIRED.

| VALVE ID                                                                                                                       | STATION # | SPK TYPE            | FLOW      | PRECIP. RATE | RUNTIME                          |
|--------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------|-----------|--------------|----------------------------------|
| INFIELD IRRIGATION - INDEPENDENT IRRIGATION CONTROLLER                                                                         |           |                     |           |              |                                  |
| A-01                                                                                                                           | 01        | 1-90 - PC (INFIELD) | 154.8 GPM | 1.52" /hr    | AS NEEDED                        |
| A-02                                                                                                                           | 02        | 1-90 - PC (INFIELD) | 154.8 GPM | 1.52" /hr    | AS NEEDED                        |
| ATHLETIC FIELD IRRIGATION - IRRINET - MAINLINE #1                                                                              |           |                     |           |              |                                  |
| B-01                                                                                                                           | 01        | 1-25 - FC           | 131.3 GPM | 43" /hr      | 94 MIN<br>222.2 GPM<br>HIGH FLOW |
| B-02                                                                                                                           | 02        | 1-25 - FC           | 90.9 GPM  | 43" /hr      |                                  |
| B-03                                                                                                                           | 03        | 1-25 - PC           | 115.0 GPM | 86" /hr      | 47 MIN<br>268.1 GPM<br>HIGH FLOW |
| B-04                                                                                                                           | 04        | 1-25 - PC           | 115.0 GPM | 86" /hr      |                                  |
| B-05                                                                                                                           | 05        | 1-25 - FC           | 131.3 GPM | 43" /hr      | 94 MIN<br>222.2 GPM<br>HIGH FLOW |
| B-06                                                                                                                           | 06        | 1-25 - FC           | 90.9 GPM  | 43" /hr      |                                  |
| B-07                                                                                                                           | 07        | 1-25 - PC           | 115.0 GPM | 86" /hr      | 47 MIN<br>268.1 GPM<br>HIGH FLOW |
| B-08                                                                                                                           | 08        | 1-25 - PC           | 115.0 GPM | 86" /hr      |                                  |
| MV-A                                                                                                                           | MV        | MASTER VALVE        | 230.0 GPM | N/A          | N/A                              |
| TOTAL RUNTIME:                                                                                                                 |           |                     |           |              | 4.7 hrs                          |
| STATION RUNTIMES ARE CALCULATED TO APPLY .86" OF WATER ON ALL TURF AREAS AND 3 GALLONS OF WATER PER TREE PER IRRIGATION CYCLE. |           |                     |           |              |                                  |

| VALVE ID                                            | STATION # | SPK TYPE     | FLOW                   | PRECIP. RATE | RUNTIME                           |
|-----------------------------------------------------|-----------|--------------|------------------------|--------------|-----------------------------------|
| COMMON PARK AREA IRRIGATION - IRRINET - MAINLINE #2 |           |              |                        |              |                                   |
| C-01                                                | 09        | I-25 - FC    | 161.6 GPM              | 43" /hr      | 94 MIN<br>348.4 GPM<br>HIGH FLOW  |
| C-02                                                | 10        | I-25 - FC    | 181.8 GPM              | 43" /hr      |                                   |
| C-03                                                | 11        | I-25 - PC    | 216.0 GPM              | 86" /hr      |                                   |
| C-04                                                | 12        | I-25 - PC    | 212.1 GPM              | 86" /hr      | 47 MIN<br>388.4 GPM<br>HIGH FLOW  |
| C-05                                                | 13        | I-25 - PC    | 152.3 GPM              | 86" /hr      |                                   |
| C-06                                                | 14        | I-20 - FC    | 37.8 GPM               | 21" /hr      | 188 MIN<br>318.0 GPM<br>HIGH FLOW |
| C-07                                                | 15        | I-20 - FC    | 18.9 GPM               | 21" /hr      |                                   |
| C-08                                                | 16        | I-20 - PC    | 67.9 GPM               | 42" /hr      | 94 MIN<br>318.0 GPM<br>HIGH FLOW  |
| C-09                                                | 17        | I-20 - PC    | 71.2 GPM               | 42" /hr      |                                   |
| C-10                                                | 18        | SPRAY        | 56.4 GPM               | 1.83" /hr    |                                   |
| C-11                                                | 19        | SPRAY        | 106.8 GPM              | 1.83" /hr    | 22 MIN<br>218.9 GPM<br>HIGH FLOW  |
| C-12                                                | 20        | SPRAY        | 53.7 GPM               | 1.83" /hr    |                                   |
| C-13                                                | 21        | BUBBLER      | 7.5 GPM                | 3 GAL / TREE | 12 MIN***                         |
| C-14                                                | MV-B      | MASTER VALVE | 580.4 GPM              | N/A          | N/A                               |
|                                                     |           |              | TOTAL RUNTIME: 7.4 hrs |              |                                   |

STATION RUNTIMES ARE CALCULATED TO APPLY .66" OF WATER ON ALL TURF AREAS AND 3 GALLONS OF WATER PER TREE PER IRRIGATION CYCLE.

\*\*\* BUBBLERS NOT INCLUDED IN RUNTIME

|                                                                      |  |           |
|----------------------------------------------------------------------|--|-----------|
| IRRIGATION COMPONENT @ 230 GPM TO WORST CASE                         |  | 2.06 PSI  |
| SERVICE LINE FEEDING METER: APPROX 50' 3" SCH.40 PVC (4.13 PER 100') |  | 2.06 PSI  |
| WATER METER: SENSUS 3" W-35-DR                                       |  | <3.00 PSI |
| BACKFLOW DEVICE: FEBCO 880-V-3" RP                                   |  | 10.00 PSI |
| FLOW METER: MASTERMETER MMT SERIES 3" TURBO METER                    |  | <3.00 PSI |
| MASTER VALVE: WEATHERMATIC 8200CR SERIES - 3"                        |  | <7.10 PSI |
| MAINLINE PIPE: 6" CLASS 200 PVC APPROX. 601' (.16 PER 100')          |  | <1.0 PSI  |
| ZONE VALVE: WEATHERMATIC 8200CR SERIES - 3" @ 131 GPM                |  | <2.40 PSI |
| LATERAL PIPE: ESTIMATE (5.00)                                        |  | 5.00 PSI  |
| ELEVATION LOSS/GAIN: DOWNHILL PRESSURE GAIN                          |  | + 0.0 PSI |
| FRICTION LOSSES:                                                     |  | 33.56 PSI |
| ELEVATION LOSSES:                                                    |  | N/A       |
| TOTAL PRESSURE LOSSES:                                               |  | 33.56 PSI |
| EXPECTED WATER PRESSURE:                                             |  | 94.00 PSI |
| BOOSTER PUMP PRESSURE:                                               |  | N/A       |
| EXPECTED SPRINKLER OPERATING PRESSURE:                               |  | 60.44 PSI |

|                                                                     |                                        |           |
|---------------------------------------------------------------------|----------------------------------------|-----------|
| IRRIGATION COMPONENT @ 580 GPM TO WORST CASE                        |                                        |           |
| SERVICE LINE FEEDING METER: APPROX 120' 6" CLASS PVC (.98 PER 100') |                                        | 1.17 PSI  |
| WATER METER: SENSUS 6" W-2000-DR                                    |                                        | <1.00 PSI |
| BACKFLOW DEVICE:                                                    |                                        | 10.00 PSI |
| FLOW METER: MASTERMETER MMT SERIES 6" TURBO METER                   |                                        | <3.00 PSI |
| MASTER VALVE: CLA-VAL WITH PRESSURE REGULATION                      | SET TO:                                | 10.00 PSI |
| MAINLINE PIPE: 8" CLASS 200 PVC APPROX. 1,123' (27 PER 100')        |                                        | 3.03 PSI  |
| ZONE VALVE: WEATHERMATIC 8200CR SERIES - 3" @ 216 GPM               |                                        | <7.10 PSI |
| LATERAL PIPE: ESTIMATE (5.00)                                       |                                        | 5.00 PSI  |
| ELEVATION LOSS/GAIN: DOWNHILL PRESSURE GAIN                         |                                        | + 0.0 PSI |
|                                                                     | FRICITION LOSSES:                      | 40.30 PSI |
|                                                                     | ELEVATION LOSSES:                      | N/A       |
|                                                                     | TOTAL PRESSURE LOSSES:                 | 40.30 PSI |
|                                                                     | EXPECTED WATER PRESSURE:               | 94.00 PSI |
|                                                                     | BOOSTER PUMP PRESSURE:                 | N/A       |
|                                                                     | EXPECTED SPRINKLER OPERATING PRESSURE: | 53.70 PSI |

IRRIGATION LEGEND

HUNTER #1-90-ADV-43 PART CIRCLE ROTARY SPRINKLER WITH CHECK VALVE AND #43 NOZZLE (70' R, 38.7 GPM (1.52"/hr @ 60 PSI))  
HUNTER #1-25-36S-10 FULL CIRCLE ROTARY SPRINKLER WITH STAINLESS STEEL RISER, CHECK VALVE AND #10 NOZZLE (51' R, 10.1 GPM, .86"/hr @ 50 PSI) NOMINAL SPACING = 48'  
 HUNTER #1-25-ADS-10 PART CIRCLE ROTARY SPRINKLER WITH STAINLESS STEEL RISER,CHECK VALVE AND #10 NOZZLE (51' R, 10.1 GPM, .86"/hr @ 50 PSI) NOMINAL SPACING = 48'  
HUNTER #1-25-ADJ-7 PART CIRCLE ROTARY SPRINKLER WITH STAINLESS STEEL RISER, CHECK VALVE AND #7 NOZZLE (47' R, 7.01 GPM, .70"/hr @ 50 PSI) NOMINAL SPACING = 48'  
HUNTER #1-20-36S-3.0 FULL CIRCLE ROTARY SPRINKLER WITH STAINLESS STEEL RISER, CHECK VALVE AND #3.0 NOZZLE (38' R, 2.7 GPM, .21"/hr @ 50 PSI) NOMINAL SPACING = 35'  
 HUNTER #1-20-ADS-3.0 PART CIRCLE ROTARY SPRINKLER WITH STAINLESS STEEL RISER, CHECK VALVE AND #3.0 NOZZLE (38' R, 2.7 GPM, .42"/hr @ 50 PSI) NOMINAL SPACING = 35'  
HUNTER #1-20-ADJ-1.5 PART CIRCLE ROTARY SPRINKLER WITH STAINLESS STEEL RISER, CHECK VALVE AND #1.5 NOZZLE (34' R, 1.6 GPM, .31"/hr @ 50 PSI) NOMINAL SPACING = 35'  
RAINBIRD 1804 SAM-PRS-MPR SERIES SPRAY HEADS  
FULL = 15'R, 3.70GPM, 1.83"/hr @ 30 PSI  
HALF = 15'R, 1.85GPM, 1.83"/hr @ 30 PSI  
QUARTER = 15'R, .92GPM, 1.83"/hr @ 30 PSI  
VAN = 15'R, .92GPM, 1.83"/hr @ 30 PSI @ 90 DEGREE COVERAGE  
RAINBIRD #1401-.25 GPM FULL CIRCL PRESSURE COMPENSATING, TRICKLE EMISSION BUBBLER (.25 GPM @ 30 PSI)  
RAINBIRD #44RC 1" QUICK COUPLER VALVE - INCLUDE THREE RB #44K KEYS AND THREE RB #51-1 SWIVEL HOSE CONNECTIONS TO BE TURNED OVER TO CITY.  
QUICK COUPLER ISOLATION VALVE 1 1/4" SCH.80 PVC TRUE-UNION BALL VALVE  
RAINBIRD #100-PFB 1" PLASTIC ELECTRIC VALVE WITH FLOW CONTROL (VALVE PERFORMANCE: (1-30 GPM) 5.6 PSI LOSS @ 30 GPM)  
RAINBIRD #150-PFB 1 1/2" PLASTIC ELECTRIC VALVE WITH FLOW CONTROL (VALVE PERFORMANCE: (31-75 GPM) 4.2 PSI LOSS @ 75 GPM)  
RAINBIRD #200-PFB 2" PLASTIC ELECTRIC VALVE WITH FLOW CONTROL (VALVE PERFORMANCE: (76-100 GPM) 3.9 PSI LOSS @ 100 GPM)  
WEATHERMATIC #8200CR-30 3" BRASS, CONTAMINATE RESISTANT, ELECTRIC VALVE W/FLOW CONTROL (VALVE PERFORMANCE: 101-250 GPM) 7.1 PSI LOSS @ 250 GPM)  
PUSH-ON IRON BODY GATE VALVE - LINE SIZE  
IRRI-GATION CONTROLLER (CLAY INFIELD) - RAINBIRD ESP-4 4 STATION MULTITRIPRAM IRRIGATION CONTROLLER - INSTALL INSIDE OF MAINTENANCE BUILDING (4 STATION OUTPUT)  
IRRI-GATION SATELLITE CONTROLLER - MOTOROLA IRRINET CONTROLLER INSTALLED IN AN INTERSPEC CABINET, REMOTE READY WITH COA COMMUNICATION RADIO AND STATION SWITCHES (32 STATION OUTPUT)  
WATER METER - SENSUS METERING SYSTEMS #W-350-DR 3" TURBO WATER METER (CONTRACTOR TO INCLUDE ALL INSTALLATION COSTS ASSOCIATED WITH PROVIDING WATER METER INCLUDING UTILITY EXPANSION CHARGES) INSTALL AS PER COA SPECIFICATIONS (< 3.0PSI LOSS AT 230 GPM)  
WATER METER - SENSUS METERING SYSTEMS #W-2000-DR 6" TURBO WATER METER (CONTRACTOR TO INCLUDE ALL INSTALLATION COSTS ASSOCIATED WITH PROVIDING WATER METER INCLUDING UTILITY EXPANSION CHARGES) INSTALL AS PER COA SPECIFICATIONS (< 1.0PSI LOSS AT 600 GPM)  
BACKFLOW PREVENTER 3" - FEBCO #880V-3 REDUCED PRESSURE BACKFLOW PREVENTER INSTALLED INSIDE OF HOTBOX #HB3000, LOW PROFILE, INSULATED FIBERGLASS ENCLOSURE WITH 1000 WATT HEATER (CONTRACTOR TO PROVIDE ELECTRICAL POWER FOR HEATER)  
BACKFLOW PREVENTER 6" - FEBCO #880V-6 REDUCED PRESSURE BACKFLOW PREVENTER INSTALLED INSIDE OF HOTBOX #HB4000, LOW PROFILE, INSULATED FIBERGLASS ENCLOSURE WITH 1000 WATT HEATER (CONTRACTOR TO PROVIDE ELECTRICAL POWER FOR HEATER)  
MASTER METER #MMT SERIES 3" TURBINE METER WITH ELECTRICAL OUTPUT REGISTER (1 PULSE = 10 GALLONS) (<3.00 PSI LOSS AT 260 GPM)  
MASTER METER #MMT SERIES 6" TURBINE METER WITH ELECTRICAL OUTPUT REGISTER (1 PULSE = 10 GALLONS) (<3.00 PSI LOSS AT 580 GPM)  
MASTER VALVE - WEATHERMATIC #8200C-R30 3" BRASS, CONTAMINATE RESISTANT, ELECTRIC VALVE WITH FLOW CONTROL (VALVE PERFORMANCE: 101-250 GPM) 7.1 PSI LOSS @ 250 GPM (CONTRACTOR SHALL INSTALL A WEATHERMATIC #PKR-24 PRESSURE REGULATION MODULE ON MASTER VALVE AND SET REGULATION AT 55 PSI)  
MASTER VALVE - CLA-VAL #93-01 4", FULL PORT 125# FLANGED GLOBE CONFIGURATION, NORMALLY CLOSED, PRESSURE REDUCING SOLENOID SHUT-OFF VALVE, THE VALVE SHALL HAVE A X106L LIMIT SWITCH STEEL ASSEMBLY WITHOUT THE ELECTRICAL LIMIT SWITCH AND #X141 GAUGE ASSEMBLY WITH 1-100psi GAUGES ON BOTH UPS'TREAM AND DOWNSTREAM VALVE PORTS AND A #XA6A FLOW CLEAN STRAINER WITH #WC2 ISOLATION VALVE COCKS INSTALLED ON THE PILOT CONTROL TUBING VALVE PORTS (THE CONTRACTOR SHALL SET REGULATION TO 60 PSI DISCHARGE PRESSURE @ 580 GPM)  
CRISPEN #JUL10.1 UNIVERSAL AIR RELEASE VALVE ASSEMBLY  
MAINLINE PIPE FOR CLAY INFELD AND QUICK COUPLER SYSTEM (WATER SOURCE "A"): 4" CLASS 200 PVC PIPE  
MAINLINE PIPE FOR ATHLETIC FIELD SYSTEM (WATER SOURCE "A"): 6" CLASS 200 PVC PIPE  
MAINLINE PIPE FOR COMMON PARK AREAS (WATER SOURCE "B"): 8" CLASS 200 PVC PIPE  
LATERAL PIPING SCH.40 PVC SOLVENT WELD - PIPE SIZE INDICATED ON PLAN REFER TO CHART BELOW FOR UNSIZED PIPE:  
BUBBLERS AND SPRAY HEADS - 3/4"  
1-20 SPRINKLERS - 1"  
1-20 SPRINKLERS - 1 1/4"  
QUICK COUPLERS - 1 1/4"

SLEEVE PIPING CLASS 200 PVC (TWO SIZES LARGER THAN BE SLEEVED)

IRRIGATION NOTES

**WATER PRESSURE:**  
THE WATER PRESSURE AT THIS SITE HAS BEEN REPORTED TO BE 94.1 PSI BY COA WATER UTILITIES DESIGNED ENGINEER. THE CONTRACTOR SHALL VERIFY THE DESIGN CRITERIA OF THIS SYSTEM BY COMPLETING A FLOW /PRESSURE TEST PRIOR TO THE INSTALLATION OF ANY IRRIGATION COMPONENTS. THE CONTRACTOR SHALL INSTALL A FLOW METER AND WATER PRESSURE GAUGE ON THE DOWNSTREAM SIDE OF THE MAINLINE WHERE THE CONTRACTOR SHALL MEASURE THE DYNAMIC WATER PRESSURE AT THE FLOW NOTED BELOW, AND REPORT HIS FINDINGS IN WRITING TO THE CITY PROJECT MANAGER. THE CONTRACTOR SHALL REJECT OR PROCEED, IN WRITING FROM THE CITY PROJECT MANAGER UPON ACCEPTABLE CONDITIONS.

**WATER SOURCE "A" (3" METER) - 95 PSI @ 230 GPM (DYNAMIC)**  
**WATER SOURCE "B" (6" METER) - 95 PSI @ 350 GPM (DYNAMIC)**

**SPRINKLER STAKING:**  
THE SPRINKLER LOCATIONS SHALL BE PRECISELY LOCATED BY THE USE OF SURVEY GRADE GPS EQUIPMENT OR CONVENTIONAL SURVEY METHODS. THE FINAL STAKED LOCATION SHALL BE BASED ON AS-BUILT SURVEY DATA OF THE HARDCAPE SURROUNDING THE TURF AREAS. THE IRRIGATION CONSULTANT SHALL GPS SURVEY AND STAKE THE LOCATIONS OF THE ROTARY SPRINKLERS. THE COSTS OF THESE SERVICES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

OR  
THE CONTRACTOR SHALL HIRE HIS OWN SURVEY FIRM TO PROVIDE AS-BUILT SURVEY DATA OF THE HARDCAPE AREAS SURROUNDING THE TURF AREAS IN DIGITAL AUTOCAD FORMAT. THE DATA SHALL THEN BE FORWARDED TO THE IRRIGATION CONSULTANT, WHO WILL ADJUST SPRINKLER LOCATIONS ACCORDINGLY BASED ON THIS DATA. THE IRRIGATION CONSULTANT SHALL PROVIDE THE COORDINATE DATA OF EACH SPRINKLER LOCATION TO THE CONTRACTOR'S SURVEY FIRM TO FIELD LOCATE. THE COSTS OF THESE SERVICES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**CERTIFIED LANDSCAPE IRRIGATION AUDIT:**  
THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A CERTIFIED LANDSCAPE IRRIGATION AUDIT TO DETERMINE THE DISTRIBUTION UNIFORMITY OF THE TURF AREAS. AUDIT PREPARATION: THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THAT THE SPRINKLER IRRIGATION SYSTEM IS IN FULL WORKING ORDER PRIOR TO AUDIT. THERE MUST BE NO LEAKS, BLOCKAGES, NON-HOT OR DIRTY PIPES. IF NECESSARY, THE SYSTEM SHOULD BE REPLACED OR REPAIRED. ALL DEBRIS OR DIRT PILES MUST BE REMOVED OR LEVELLED AND EACH SPRINKLER MUST BE PROPERLY SET AND LEVELLED. THE CONTRACTOR SHALL ALSO ALLOW TIME FOR PRESSURE REGULATION AND FLOW CONTROLS (IF APPLICABLE) TO THE DISCHARGE PRESSURE INDICATED ON PLAN.

**SPECIFICATIONS AND DETAIL DRAWINGS:**  
THE CONTRACTOR SHALL REFER TO THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS AND DETAIL DRAWINGS FOR IRRIGATION CONSTRUCTION. IN THE EVENT OF A CONFLICT REGARDING MATERIAL DESIGN, THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER IN WRITING. THE CONTRACTOR SHALL NOT PROCEED WITH INSTALLATION OF CONFLICTING IRRIGATION COMPONENTS UNTIL HE RECEIVES CLARIFICATION IN WRITING FROM THE PROJECT MANAGER.

**TREE / SHRUB LOCATIONS:**  
THE PIPE ROUTING SHOWN ON THESE PLANS IS SCHEMATIC. THE CONTRACTOR SHALL INSTALL ALL PIPING OUTSIDE OF THE ROOT ZONE OF TREES OR SHRUBS. THE SPRINKLER LOCATIONS SHOWN ON THESE PLANS ARE FIXED AND MUST BE FIELD LOCATED AS CLOSELY AS POSSIBLE TO LOCATIONS SHOWN ON PLANS TO MEET THE INTENT OF DISTRIBUTION UNIFORMITY. THE CONTRACTOR SHALL FIELD ADJUST ANY TREE LOCATIONS THAT ARE SHOWN WITHIN 12' FROM ANY SPRINKLER HEAD. IF SUBSTANTIAL TREE REARRANGEMENT IS REQUIRED, THE CONTRACTOR SHALL HAVE HIS PROPOSED LOCATIONS APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PLANTING.

**SPRINKLER NOZZLES:**  
THE CONTRACTOR SHALL ADJUST THE THROWING RADIIUS OF ALL PERTINENT SPRINKLER NOZZLES SO AS TO EVENLY SPRAY ONTO TARGETED AREAS. OTHER UNTARGETED AREAS. THE CONTRACTOR SHALL ALSO INCLUDE IN HIS BID OR PRICING, AN ALLOWANCE FOR ANY SPRINKLER NOZZLE CHANGES THAT ARE DEEMED NECESSARY BY THE LANDSCAPE ARCHITECT CONSULTANT TO CORRECT ISSUES OF OVERSPRAY, UNDERSPRAY OR DISTRIBUTION UNIFORMITY.

**MAINFINE FITTINGS:**  
THE CONTRACTOR SHALL USE TWO (2) 45 DEGREE ELBOWS FOR EACH 90 DEGREE MAINLINE BEND AS PER CITY OF ALBUQUERQUE'S REQUEST.

**WATER SOURCES:**  
THIS IRRIGATION SYSTEM UTILIZES TWO INDEPENDENT WATER SOURCES AND THREE INDEPENDENT MAINLINES. WATER SOURCE "A" (3" METER) WILL PROVIDE WATER TO THE TWO ATHLETIC FIELDS AND THE SEPARATELY CONTROLLED QUICK COUPLER AND INFILD IRRIGATION. WATER SOURCE "B" (6" METER) WILL PROVIDE WATER TO THE REMAINDER OF THE PARK. THE CONTRACTOR SHALL NOTE THAT THE QUICK COUPLER AND INFIELD IRRIGATION SYSTEM HAS A SEPARATE , CONSTANT PRESSURE MAINLINE. THIS MAINLINE SHALL ORIGINATE IMMEDIATELY DOWNSTREAM OF THE 3" BACKFLOW PREVENTER AT WATER SOURCE "A". DO NOT CONNECT THIS MAINLINE DOWNSTREAM OF THE MASTER VALVE AT WATER SOURCE "A".

**IRRIGATION SATTELITES:**  
THIS IRRIGATION SYSTEM UTILIZES TWO IRRIGATION CONTROLLERS. ONE CONTROLLER IS A RAINBIRD ESP-4, 4 STATION IRRIGATION CONTROLLER WHICH WILL BE USED TO CONTROL THE HUNTER 180 SPRINKLERS IN EACH OF THE CLAY INFIELDS. THE OTHER CONTROLLER WILL BE A MOTOROLA IRRINET - 32 STATION. THE IRRINET WILL BE USED TO CONTROL ALL OTHER PARK IRRIGATION FROM BOTH WATER SOURCES.

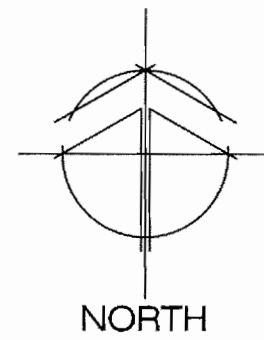
The contractor shall install the Rainbird ESP controller at eye level inside of the maintenance building located in the sw corner. The IRRINET satellite controller shall be installed in the vicinity of the 3" backflow preventer. The contractor shall provide electrical power to both irrigation controllers.

**24 VOLT IRRIGATION WIRE:**  
THIS IRRIGATION SYTEM WILL UTILIZE UNIQUE WIRE COLORS TO HELP IN FUTURE MAINTENANCE. THE "STATION" WIRES CONNECTED TO WATER SOURCE "A" SHALL BE RED IN COLOR (OR SIMILAR). THE "STATION" WIRES CONNECTED TO WATER SOURCE "B" SHALL BE GREEN IN COLOR (OR SIMILAR). THE STATION WIRES CONNECTED TO THE INFIED IRRIGATION CONTROLLER SHALL BE YELLOW IN COLOR (OR SIMILAR). THE CONTRACTOR SHALL ALSO COLOR-CODE THE COMMON WIRES OF EACH OF THE THREE SYSTEMS CAN BE IDENTIFIED. IT IS PREFERRRED THAT THE "COMMON" WIRES BE WHITE WITH A PERMANENT COLOR STRIPE THAT MATCHES THE COLOR OF STATION WIRE GROUPS.

**SPRKINKLR SWNG JOINTS:**  
THE CONTRACTOR SHALL UTILIZE LASCO OR SPEARS STANDARD UNITIZED SWING JOINTS SIZED TO THE INLET SIZE OF THE SPRINKLER BODY.

**LOW HEAD DRAINAGE:**  
THE CONTRACTOR SHALL INCLUDE IN HIS BID THE INSTALLATION OF UP TO SIX SCH.40 PVC SWING-TYPE CHECK VALVES (ASSUME 3") INSTALLED INSIDE OF A CARSON #910 10" ROUND VALVE BOX WITH 6" CLASS 200 SLEEVE PIPE. THESE VALVES WILL BE FIELD LOCATED BY THE IRRIGATION CONSULTANT IN THE EVENT OF UNFORESEEN LOW HEAD DRAINAGE ISSUES. THE CONTRACTOR SHALL NOTE THAT THESE CHECK VALVES MAY BE INSTALLED AFTER THE INITIAL INSTALLATION, BACKFILL AND TESTING OF THE SYSTEM

|                                                                                                                                                                                                                                |                                                                                       |                                                                                       |                                                                                                       |                    |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|--------------------|--|
|  <p>4900 LANG AVE N.E.<br/>SUITE 100<br/>ALBUQUERQUE, NEW MEXICO 87109<br/>(505) 348-4000<br/>FAX (505) 348-4072<br/>www.wilsonco.com</p> | <p>CITY OF ALBUQUERQUE<br/>DEPARTMENT OF MUNICIPAL DEVELOPMENT<br/>STORM DRAINAGE</p> |                                                                                       |                                                                                                       |                    |  |
|                                                                                                                                                                                                                                | <p>TINGLEY PARK RECONSTRUCTION<br/>IRRIGATION SYSTEM DESIGN</p>                       |                                                                                       |                                                                                                       |                    |  |
|  <p>Landscape Architecture<br/>3528 Brand Blvd NE, Albuquerque, NM 87109<br/>505.841.5262</p> <p>C. Patricia Westbrook, A.S.L.A.</p>      | Design Review Committee                                                               | City Engineer Approval                                                                | <p>Mo./Day/Yr.</p> <p>06/08/07</p> <p>07/14/07</p> <p></p> <p></p> <p></p> <p></p> <p>Mo./Day/Yr.</p> | <p>Mo./Day/Yr.</p> |  |
|                                                                                                                                                                                                                                |  |  |                                                                                                       |                    |  |
|                                                                                                                                                                                                                                |                                                                                       |                                                                                       |                                                                                                       |                    |  |
|                                                                                                                                                                                                                                |                                                                                       |                                                                                       |                                                                                                       |                    |  |
|                                                                                                                                                                                                                                |                                                                                       |                                                                                       |                                                                                                       |                    |  |
|                                                                                                                                                                                                                                |                                                                                       |                                                                                       |                                                                                                       |                    |  |
| City Project No.                                                                                                                                                                                                               |                                                                                       | Zone Map No.                                                                          | Sheet                                                                                                 |                    |  |
| 7963.91                                                                                                                                                                                                                        |                                                                                       | K-13                                                                                  | L-110                                                                                                 |                    |  |



SCALE: 1"= 50'

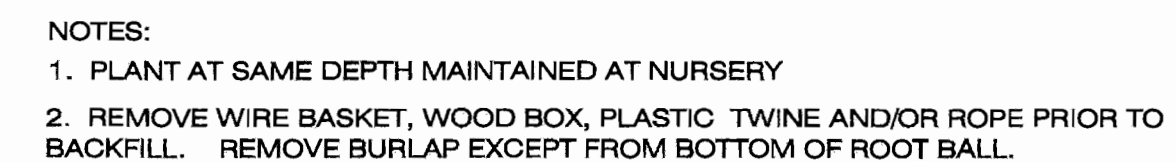
**SODDED TURF** Park Blend Sod

Poa spp.  
festuca spp.  
lolium spp.

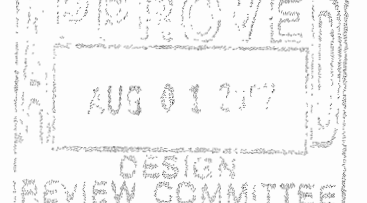
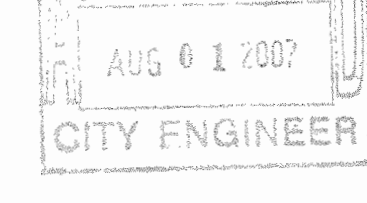
**SODDED TURF OVER GRASSPAVE** SEE DETAIL A/L-107

Poa spp.  
festuca spp.  
lolium spp.

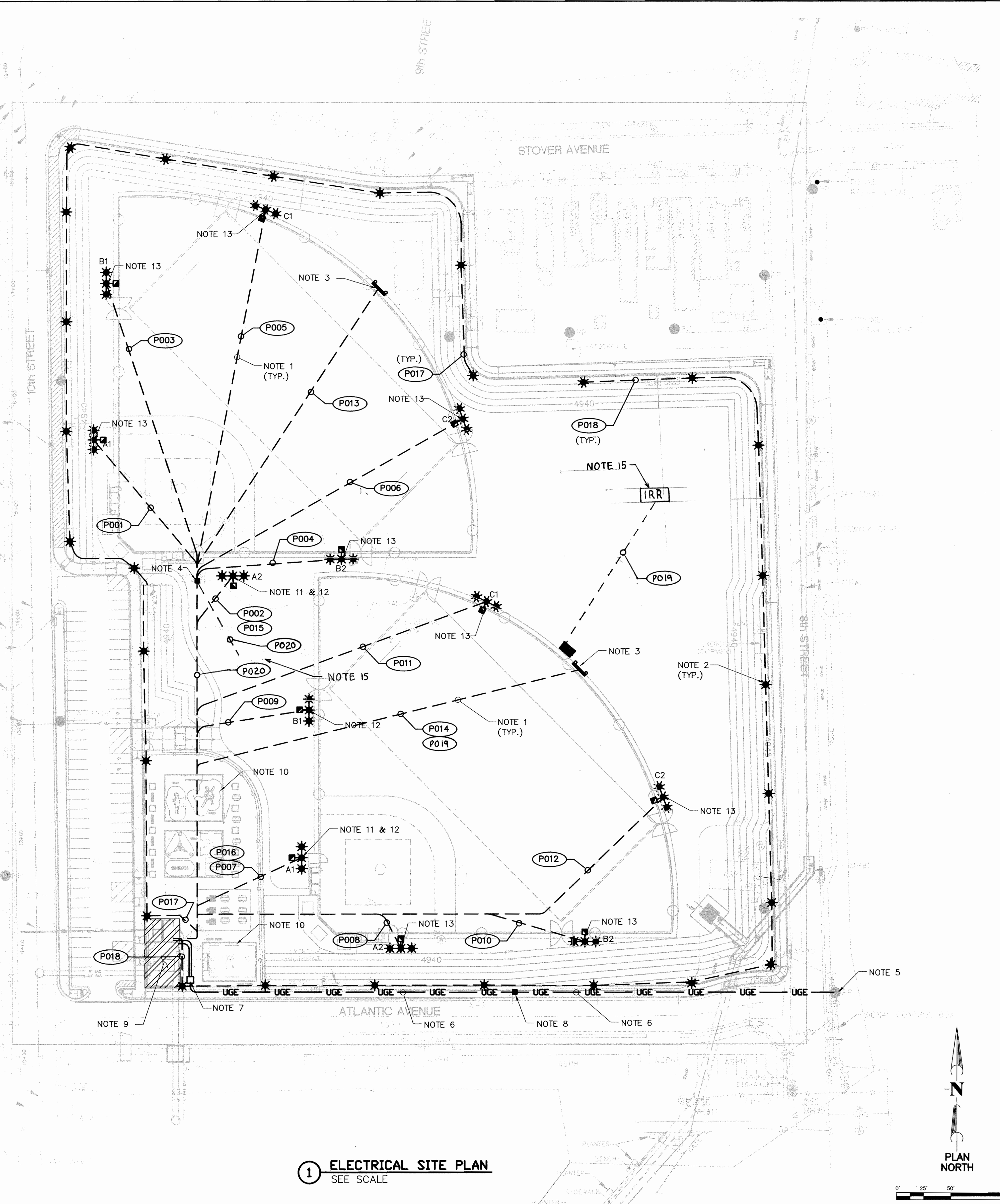
1. IN CASE OF DISCREPANCY IN PLANT QUANTITIES SHOWN ON THE PLANT LIST AND THOSE SHOWN ON THE PLANTING PLANS, THE QUANTITIES SHOWN ON THE PLAN SHALL GOVERN.
2. QUANTITIES SHOWN ON THE PLANT LIST ARE ESTIMATES ONLY. CONTRACTOR SHALL VERIFY ALL QUANTITIES PRIOR TO BID AND INSTALLATION. NO ADDITIONAL PAYMENT WILL BE MADE FOR ANY DISCREPANCIES IN QUANTITIES BETWEEN THE PLANTING PLAN AND THE PLANT LIST.
3. IF THERE IS A DISCREPANCY IN THE FIELD OR NURSERY, TREES BETWEEN THE CONTAINER SIZE CALLED OUT UNDER "REMARKS" AND THE CALIPER AND HEIGHT CALLED OUT UNDER "SIZE," THE SPECIFIED TREE MUST MEET THE CALIPER AND HEIGHT REQUIREMENTS SPECIFIED UNDER "SIZE." EVEN IF THE LARGER CONTAINER SIZE IS REQUIRED TO MEET THESE SPECIFICATIONS, THERE SHALL BE NO ADDITIONAL COST TO THE OWNER.
4. A 4" DEPTH OF AGGREGATE MULCH WITH WEED BARRIER UNDER SHALL BE INSTALLED IN THE TREE WELLS UNLESS OTHERWISE NOTED. WEED BARRIER SHALL BE MINIMUM 4 OZ WOVEN NEEDLE POLYPROPYLENE (DEWITT OR EQUAL). OVERLAY ENDS 3' AND TURN DOWN PERIMETER EDGES 6".
5. AGGREGATE MULCH IN TREE WELL SHALL BE 1" CRUSHED GRAVEL MULCH, COLOR: MOUNTAIN ROSE OR EQUAL.
6. PLANT MATERIAL SHALL BE INSTALLED PER COA DETAIL DWGS #2713 AND #2716.



|       |              |
|-------|--------------|
| L-111 | treewellw/ss |
|-------|--------------|

|                                                                                                                                                                                                                                                                           |                                                                                                                      |                                                                                                                     |                           |                    |                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------|--------------------|
|  <p><b>WILSON<br/>&amp; COMPANY</b></p> <p>4900 LANG AVE N.E.<br/>SUITE 100<br/>ALBUQUERQUE, NEW MEXICO<br/>87109<br/>(505) 348-4000<br/>FAX (505) 348-4072<br/>www.wilsonco.com</p> | <p>CITY OF ALBUQUERQUE</p> <p>DEPARTMENT OF MUNICIPAL DEVELOPMENT</p> <p>STORM DRAINAGE</p>                          |                                                                                                                     |                           |                    |                    |
|                                                                                                                                                                                                                                                                           | <p>TINGLEY PARK RECONSTRUCTION</p> <p>PLANTING PLAN</p>                                                              |                                                                                                                     |                           |                    |                    |
| <p>TERRA CREATAS</p>  <p>Landscape Architecture</p> <p>4500 Dorset SW NE, Albuquerque, NM 87109<br/>505.481.3062</p> <p>C. Patricia Westbrook, ASLA</p>                              | <p>Design Review Committee</p>  | <p>City Engineer Approval</p>  | <p>Last Design Update</p> | <p>Mo./Day/Yr.</p> | <p>Mo./Day/Yr.</p> |
|                                                                                                                                                                                                                                                                           | <p>City Project No.</p> <p>7963.91</p>                                                                               | <p>Zone Map No.</p> <p>K-13</p>                                                                                     | <p>Sheet</p> <p>L-111</p> |                    |                    |





1 ELECTRICAL SITE PLAN  
SEE SCALE

| EQUIPMENT LIST - POLES EACH FIELD |          |        |                 |                 |           |            |
|-----------------------------------|----------|--------|-----------------|-----------------|-----------|------------|
| POLE                              |          |        | LUMINAIRES      |                 |           |            |
| QTY                               | LOCATION | SIZE   | GRADE ELEVATION | MOUNTING HEIGHT | LAMP TYPE | QTY / POLE |
| 2                                 | A1-A2    | 70'-0" | -               | 70'-0"          | 1500W M2  | 5          |
| 2                                 | B1-B2    | 70'-0" | -               | 70'-0"          | 1500W M2  | 7          |
| 2                                 | C1-C2    | 70'-0" | -               | 70'-0"          | 1500W M2  | 3          |
| 6                                 | TOTALS   |        |                 |                 |           | 32         |

| CONDUIT SCHEDULE |      |             |                        |                                         |
|------------------|------|-------------|------------------------|-----------------------------------------|
| CONDUIT TAG      | FROM | TO          | CONTAINS               | REMARKS                                 |
| P001             | HA   | A-1         | 3-#6, #6G, 2-#10       | #6 TO FIELD 1 LIGHT & #10 TO SEC. LIGHT |
| P002             | HA   | A-2         | 3-#6, #6G, 2-#10       | #6 TO FIELD 1 LIGHT & #10 TO SEC. LIGHT |
| P003             | HA   | B-1         | 3-#6, #6G, 2-#10       | #6 TO FIELD 1 LIGHT & #10 TO SEC. LIGHT |
| P004             | HA   | B-2         | 3-#6, #6G, 2-#10       | #6 TO FIELD 1 LIGHT & #10 TO SEC. LIGHT |
| P005             | HA   | C-1         | 3-#6, #6G, 2-#10       | #6 TO FIELD 1 LIGHT & #10 TO SEC. LIGHT |
| P006             | HA   | C-2         | 3-#6, #6G, 2-#10       | #6 TO FIELD 1 LIGHT & #10 TO SEC. LIGHT |
| P007             | HA   | A-1         | 3-#6, #6G, 2-#10       | #6 TO FIELD 2 LIGHT & #10 TO SEC. LIGHT |
| P008             | HA   | A-2         | 3-#6, #6G, 2-#10       | #6 TO FIELD 2 LIGHT & #10 TO SEC. LIGHT |
| P009             | HA   | B-1         | 3-#6, #6G, 2-#10       | #6 TO FIELD 2 LIGHT & #10 TO SEC. LIGHT |
| P010             | HA   | B-2         | 3-#6, #6G, 2-#10       | #6 TO FIELD 2 LIGHT & #10 TO SEC. LIGHT |
| P011             | HA   | C-1         | 3-#6, #6G, 2-#10       | #6 TO FIELD 2 LIGHT & #10 TO SEC. LIGHT |
| P012             | HA   | C-2         | 3-#6, #6G, 2-#10       | #6 TO FIELD 2 LIGHT & #10 TO SEC. LIGHT |
| P013             | LA   | SCORE BOARD | 2-#10, #1G             | FIELD 1                                 |
| P014             | LA   | SCORE BOARD | 2-#10, #1G, 2-#10, #1G | FIELD 2, IRR. CONTROLLER                |
| P015             | LA   | RECEPTACLE  | 2-#10, #1G             | POLE A2 FIELD 1                         |
| P016             | LA   | RECEPTACLE  | 2-#10, #1G             | POLE A1 FIELD 2                         |
| P017             | LA   | PATHWAY     | 2-#6, #6G              | PATHWAY CIRCUIT #1                      |
| P018             | LA   | PATHWAY     | 2-#6, #6G              | PATHWAY CIRCUIT #2                      |
| P019             | LA   | IRR. CONT.  | 2-#10, #1G             | IRR. CONTROLLER                         |
| P020             | LA   | IRR. CONT.  | 2-#10, #1G             | IRR. CONTROLLER                         |

ELECTRICAL SITE PLAN NOTES:

- SEE CONDUIT SCHEDULE FOR CONDUCTOR AND CONDUIT REQUIREMENTS.
- PROVIDE PATHWAY LIGHTING - SEE FIXTURE SCHEDULE, SHEET E001 FOR PATHWAY LIGHTING FIXTURE TYPE "D"
- PROVIDE WIRELESS SCOREBOARD AND ALL EQUIPMENT TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM - FAIRPLAY MODEL MP-8114-2 OR APPROVED EQUAL.
- PROVIDE HAND HOLE, SEE DETAIL 2, SHEET E501.
- NEW UNDERGROUND SERVICE LOCATION BY PNM. SEE DETAIL 1, SHEET E601.
- PRIMARY SERVICE. CONTRACTOR TO PROVIDE CONDUITS AND MANHOLES, PNM PROVIDES PRIMARY CONDUCTORS. SEE DETAIL 1, SHEET E601.
- PAD MOUNTED TRANSFORMER, BY UTILITY. PAD BY CONTRACTOR PER PNM STANDARDS, SEE DETAIL 1, SHEET E501.
- PROVIDE MANHOLE PER PNM REQUIREMENTS FOR PRIMARY SERVICE.
- SEE ENLARGED PLAN SHEETS E401 AND E402 FOR WORK IN THIS AREA.
- LANDSCAPED SHADED REST AND PLAYGROUND AREAS.
- PROVIDE RECEPTACLE IN LOCKABLE NEMA 3R BOX MOUNTED TO FOUNDATION OF POLE AT 24" AFF.
- PROVIDE SECURITY LIGHTING AIMED TOWARD REC AREA ON HIGH MAST POLE MOUNTED AT 40'-0" AND ROUTE THROUGH POLE TO PANELBOARD VIA CONTACTOR.
- PROVIDE SECURITY LIGHTING AIMED TOWARD BALL FIELD ON HIGH MAST POLE MOUNTED AT 40'-0" AND ROUTE THROUGH POLE TO PANELBOARD VIA CONTACTOR.
- PULL BOX FOR IRRIGATION CONTROLLER
- INSTALL GFI RECEPTACLE

AS-BUILT INFORMATION  
CONTRACTOR: A.S. HARVEY  
STAMPED BY: PRECISION SURVEYS  
DATE: 07/06  
INSPECTOR'S FIELD VERIFICATION BY: COA  
DATE: 10/06  
CORRECTED BY: PRECISION SURVEYS  
DATE: 10/08  
MICRO-FILM INFORMATION  
RECORDED BY: NO.  
ELEVATION = 4944.03 FT.

ENGINEER'S SEAL  
JOHN M. HANVELL  
REGISTERED PROFESSIONAL ENGINEER  
NEW MEXICO  
11719

REVISIONS  
NO. DATE  
REMARKS  
BY  
WILSON & COMPANY, ENGINEERS & ARCHITECTS  
DESIGNED BY: JNH DATE: MAR 07  
DRAWN BY: SRB DATE: MAR 07  
CHECKED BY: JNH DATE: MAR 07

**WILSON & COMPANY**  
4900 LANG AVE. N.E.  
SUITE 100  
ALBUQUERQUE, NEW MEXICO 87109  
(505) 348-4000  
FAX (505) 348-4072  
www.wilsonco.com

**CITY OF ALBUQUERQUE**  
PUBLIC WORKS DEPARTMENT  
ENGINEERING GROUP  
**TINGLEY PARK RECONSTRUCTION**  
**ELECTRICAL SITE PLAN**

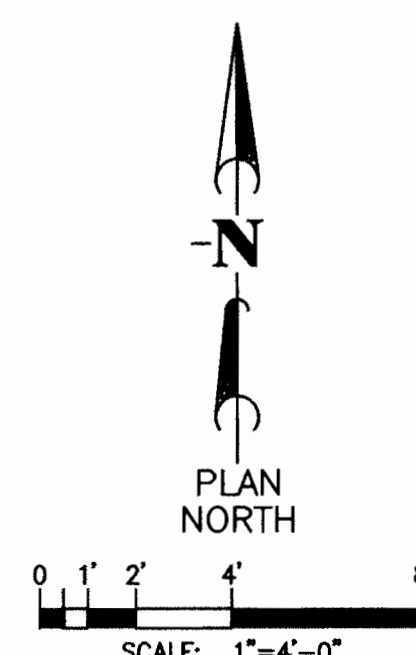
Design Review Committee  
**APPROVED**  
AUG 24 2007

City Engineer Approval  
**APPROVED**  
AUG 24 2007  
CITY ENGINEER

City Project No. **7963.91**

Zone Map No. **K-13**

Sheet **ES-101** of **91**



POWER PLAN NOTES:

- 

C DEFINITE PURPOSE CONTACTOR

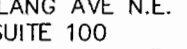
LIGHTING PLAN NOTES:

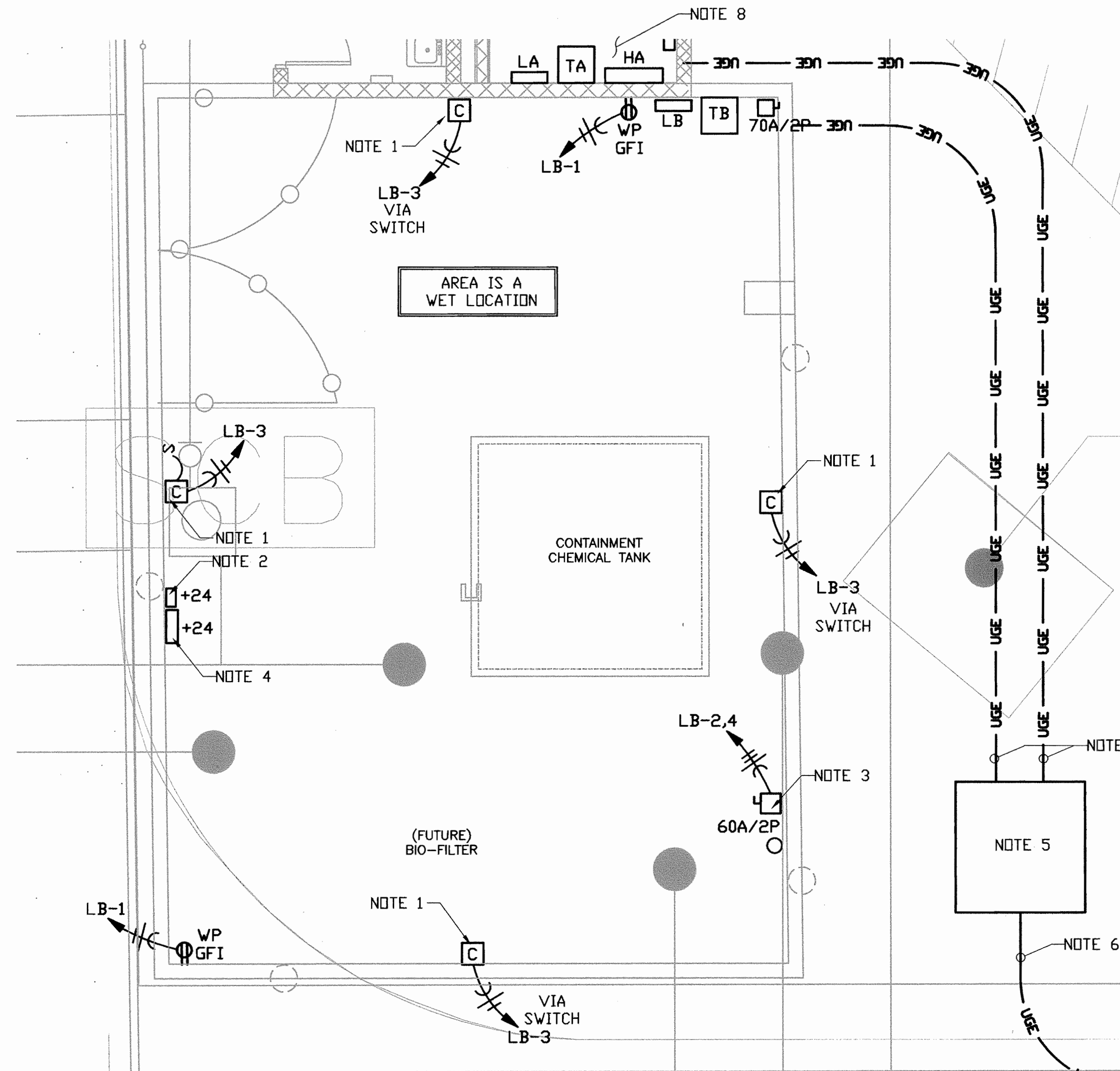
1. PROVIDE PHOTO-CELL, MOUNTED 1'-0" BELOW TOP OF ROOF LINE ON NORTH SIDE OF BUILDING. PATHWAY AND EXTERIOR LIGHTS CONTROLLED BY PHOTO-CELL, SEE DETAIL 3, SHEET E601.
2. LIGHTS IN REST ROOM CONTROLLED BY DUAL ADJUSTABLE SENSOR WALL SWITCH. LIGHT SWITCH ALSO CONTROLS EF-1. FAN TO COME ON WHEN ONE SWITCH OR BOTH SWITCHES ARE IN USE. SEE DETAIL 3. THIS SHEET FOR EF-1 CONTROL.

| ENGINEER'S SEAL |  | SURVEY INFORMATION |    | BENCH MARKS |                                                                                                                                                                       | AS-BUILT INFORMATION |                                                            |
|-----------------|--|--------------------|----|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------|
|                 |  | FIELD NOTES        |    |             |                                                                                                                                                                       |                      |                                                            |
|                 |  | NO.                | BY | DATE        |                                                                                                                                                                       |                      |                                                            |
|                 |  |                    |    |             | STD. ACS BRASS TABLET STAMPED "1-K13"                                                                                                                                 |                      | CONTRACTOR <u>ALS HARBER</u>                               |
|                 |  |                    |    |             | SET IN TOP OF A CONCRETE POST, APPROX. 0.2 FT BELOW TURF. THE STATION IS THEN 0.7 FT WEST OF THE WEST CURB ON EIGHTH STREET, AND IS APPROX. 225' SOUTH OF STOVER AVE. |                      | WORK DONE BY <u>PRECISION SURVEYS</u> DATE <u>07/19</u>    |
|                 |  |                    |    |             |                                                                                                                                                                       |                      | INSPECTOR'S CERTIFICATE BY <u>COA</u> DATE <u>10/08</u>    |
|                 |  |                    |    |             |                                                                                                                                                                       |                      | VERIFICATION BY <u>PRECISION SURVEYS</u> DATE <u>10/08</u> |
|                 |  |                    |    |             |                                                                                                                                                                       |                      | DRAWN BY <u>PRECISION SURVEYS</u> DATE <u>07/08</u>        |
|                 |  |                    |    |             | ELEVATION = 4944.03 FT.                                                                                                                                               |                      | <b>MICRO-FILM INFORMATION</b>                              |
|                 |  |                    |    |             |                                                                                                                                                                       |                      | RECORDED BY _____ DATE _____                               |
|                 |  |                    |    |             |                                                                                                                                                                       |                      | NO. _____                                                  |

**REVISIONS**  
**WILSON & COMPANY, ENGINEERS & ARCHITECTS**

| DESIGNED BY | JNH | DATE | MAR 07 |
|-------------|-----|------|--------|
| DRAWN BY    | SRB | DATE | MAR 07 |
| CHECKED BY  | JNH | DATE | MAR 07 |

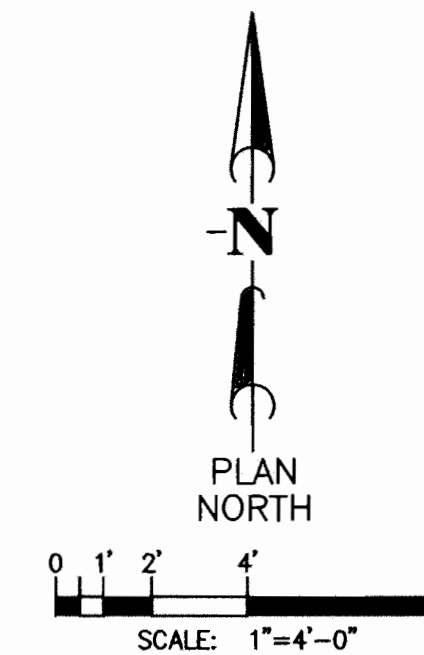
| <br><b>WILSON<br/>&amp; COMPANY</b><br>4900 LANG AVE N.E.<br>SUITE 100<br>ALBUQUERQUE, NEW MEXICO<br>87109<br>(505) 348-4000<br>FAX (505) 348-4072<br><a href="http://www.wilsonco.com">www.wilsonco.com</a> |                             | CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING GROUP<br><br><b>TINGLEY PARK RECONSTRUCTION</b><br><b>ELECTRICAL BUILDING</b><br><b>LIGHTING &amp; POWER PLAN</b> |                                                                                                                                                                                                                                   |             |             |  |  |  |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|--|--|--|--|--|--|--|--|
| <br><b>TERRA CREATAS</b><br>Landscape Architecture<br>4500 Broad St. N.E., Albuquerque, NM 87109<br>505.481.3262                                                                                             | Design Review Committee<br> | City Engineer Approval<br>                                                                 | Last Design Update<br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">Mo./Day/Yr.</th> <th style="width: 50%;">Mo./Day/Yr.</th> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table> | Mo./Day/Yr. | Mo./Day/Yr. |  |  |  |  |  |  |  |  |
| Mo./Day/Yr.                                                                                                                                                                                                                                                                                       | Mo./Day/Yr.                                                                                                      |                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                        |             |             |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |                                                                                                                  |                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                        |             |             |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |                                                                                                                  |                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                        |             |             |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |                                                                                                                  |                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                        |             |             |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |                                                                                                                  |                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                        |             |             |  |  |  |  |  |  |  |  |
| City Project No.<br><div style="font-size: 24pt; font-weight: bold; text-align: center;">7963.97</div>                                                                                                                                                                                            | Zone Map No.<br><div style="font-size: 24pt; font-weight: bold; text-align: center;">K-13</div>                  | Sheet Of<br><div style="font-size: 24pt; font-weight: bold; text-align: center;">E-401</div>                                                                                    |                                                                                                                                                                                                                                                                                                                        |             |             |  |  |  |  |  |  |  |  |

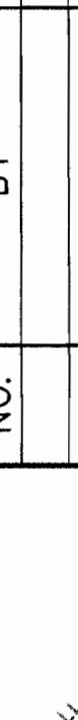


1 ELECTRICAL ENLARGED SITE PLAN  
SEE SCALE

LIGHTING PLAN NOTES:

1. LIGHTS CONTROLLED BY LIGHT SWITCH BY GATE ENTRANCE.
2. FUTURE HEAT TRACING - PROVIDE 4" X 4" NEMA 4X JUNCTION BOX AND COVER WITH NYLON PULL ROPE.
3. BIO-FILTER 120V CIRCUIT - PROVIDE CONDUIT STUBBED UP 1'-0" ABOVE FINISHED GRADE AND CAPPED WITH NYLON PULL ROPE.
4. CHEMICAL SKID - PROVIDE 12" X 12" X 6" NEMA 4X JUNCTION BOX AND COVER FOR CHEMICAL SKID CONNECTION WITH 20'-0" OF EXTRA WIRE ROLLED UP AND SECURED IN JUNCTION BOX.
5. PAD MOUNTED TRANSFORMER, BY UTILITY. PAD BY CONTRACTOR PER PNM STANDARDS, SEE DETAIL 1, SHEET E501.
6. PRIMARY SERVICE. CONTRACTOR TO PROVIDE CONDUITS AND MANHOLES, PNM PROVIDES PRIMARY CONDUIT. SEE DETAIL 1, SHEET E601.
7. SECONDARY SERVICE. CONTRACTOR TO PROVIDE CONDUITS AND CONDUCTORS. SEE DETAIL 1, SHEET E601.
8. SEE SHEET E401 FOR MORE INFORMATION.



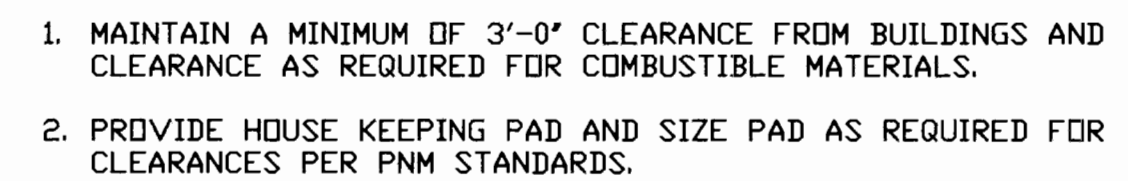
| ENGINEER'S SEAL                                                                                 |  | SURVEY INFORMATION |      | BENCH MARKS                           |                                                                                                                                                                       | AS-BUILT INFORMATION                     |                        |                   |
|-------------------------------------------------------------------------------------------------|--|--------------------|------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------|-------------------|
| <div></div> |  | FIELD NOTES        |      | STD. ACS BRASS TABLET STAMPED "1-K13" |                                                                                                                                                                       | CONTRACTOR <b>AS-BUILT</b>               |                        |                   |
|                                                                                                 |  | NO.                | BY   | DATE                                  | SET IN TOP OF A CONCRETE POST, APPROX. 0.2 FT BELOW TURF. THE STATION IS THEN 0.7 FT WEST OF THE WEST CURB ON EIGHTH STREET, AND IS APPROX. 225' SOUTH OF STOVER AVE. | WORK STAMPED BY <b>PRECISION SURVEYS</b> | DATE <b>07/08</b>      |                   |
|                                                                                                 |  | REMARKS            |      | BY                                    | DATE                                                                                                                                                                  | FIELD NOTES                              | DATE                   |                   |
| WILSON & COMPANY, ENGINEERS & ARCHITECTS                                                        |  | DESIGNED BY        | JNH  | DATE                                  | MAR 07                                                                                                                                                                | DRAWINGS BY <b>PRECISION SURVEYS</b>     |                        | DATE <b>06/08</b> |
| DRAWN BY                                                                                        |  | SRB                | DATE | MAR 07                                | RECORDED BY                                                                                                                                                           |                                          | DATE                   |                   |
| CHECKED BY                                                                                      |  | JNH                | DATE | MAR 07                                | ELEVATION = 4944.03 FT.                                                                                                                                               |                                          | MICRO-FILM INFORMATION |                   |
| RECORDED BY                                                                                     |  |                    |      |                                       |                                                                                                                                                                       | RECORDED BY                              |                        | DATE              |
|                                                                                                 |  |                    |      |                                       |                                                                                                                                                                       | NO.                                      |                        |                   |

**WILSON & COMPANY**  
4900 LANG AVE N.E.  
SUITE 100  
ALBUQUERQUE, NEW MEXICO 87109  
(505) 348-4000  
FAX (505) 348-4072  
www.wilsonco.com

**TERRA CREATAS**  
Landscape Architecture  
4508 Pecos St NE, Albuquerque, NM 87109  
505.871.2002

|                                                                                        |                        |                                                                            |             |
|----------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------------------------|-------------|
|                                                                                        |                        | <b>CITY OF ALBUQUERQUE</b><br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING GROUP |             |
| <b>TINGLEY PARK RECONSTRUCTION</b><br>ELECTRICAL ODOR CONTROL<br>LIGHTING & POWER PLAN |                        |                                                                            |             |
| Design Review Committee                                                                | City Engineer Approval | Mo./Day/Yr.                                                                | Mo./Day/Yr. |
|                                                                                        |                        |                                                                            |             |
| City Project No.                                                                       | Zone Map No.           | Sheet                                                                      | Of          |
| 7963.91                                                                                | K-13                   | E-402                                                                      |             |

**E402**  
WCEA #0660012300  
MAY 2007



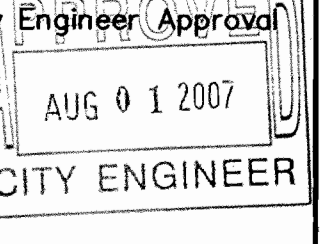
1. PROVIDE TAMPER PROOF LID WITH "ELECT." DESIGNATION AS APPROPRIATE.
2. PROVIDE MINIMUM 24" W. X 24" L. X 18" D. PULL BOX. CONTRACTOR IS RESPONSIBLE TO PROVIDE LARGER BOXES TO ACCOMMODATE CONDUIT AS NEEDED. QUAZITE OPEN BOTTOM "PG1324BA18" OR APPROVED EQUAL.
3. PULL BOX SHALL BE TRAFFIC RATED.

|  <p style="text-align: center;"><b>WILSON<br/>&amp; COMPANY</b></p> <p style="text-align: center;">4900 LANG AVE. N.E.<br/>SUITE 100<br/>ALBUQUERQUE, NEW MEXICO<br/>87109<br/>(505) 348-4000<br/>FAX (505) 348-4072<br/>www.wilsonco.com</p>                                               |  <p style="text-align: center;">CITY OF ALBUQUERQUE<br/>PUBLIC WORKS DEPARTMENT<br/>ENGINEERING GROUP</p>                                                                                                                                                                                          |                                                                                                                                                                                                                                   |                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                            |             |             |  |  |  |  |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|--|--|--|--|--|--|--|--|
| <h2 style="margin: 0;">TINGLEY PARK RECONSTRUCTION</h2> <h3 style="margin: 0;">ELECTRICAL DETAILS</h3>                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                            |             |             |  |  |  |  |  |  |  |  |
| <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">  <p style="text-align: center;">TERRA CREATAS</p> <p style="text-align: center;">Landscape Architecture</p> <p style="text-align: center;">+1504 Grand St. N.E., Albuquerque, NM 87109<br/>505.881.5062</p> </div> | <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p style="text-align: center;">Design Review Committee</p> <div style="border: 1px solid black; padding: 10px; text-align: center;"> <p style="font-size: 2em; opacity: 0.5;">APPROVED</p> <p style="font-size: 1.2em;">AUG 01 2007</p> <p style="font-size: 0.8em;">DESIGN REVIEW COMMITTEE</p> </div> </div> | <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p style="text-align: center;">City Engineer Approval</p> <div style="border: 1px solid black; padding: 10px; text-align: center;"> <p style="font-size: 1.2em;">AUG 01 2007</p> <p style="font-size: 0.8em;">CITY ENGINEER</p> </div> </div> | <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p style="text-align: center;">Last Design Update</p> </div> | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: center;">Mo./Day/Yr.</th> <th style="width: 50%; text-align: center;">Mo./Day/Yr.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table> | Mo./Day/Yr. | Mo./Day/Yr. |  |  |  |  |  |  |  |  |
| Mo./Day/Yr.                                                                                                                                                                                                                                                                                                                                                                      | Mo./Day/Yr.                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                            |             |             |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                            |             |             |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                            |             |             |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                            |             |             |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                            |             |             |  |  |  |  |  |  |  |  |
| <p>City Project No. <span style="font-size: 1.5em;">7963.91</span></p>                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                         | <p>Zone Map No. <span style="font-size: 1.5em;">K-13</span></p>                                                                                                                                                                                                                                                        | <p>Sheet <span style="font-size: 1.5em;">E-501</span> Of</p>                                                                          |                                                                                                                                                                                                                                                                                                                                                                            |             |             |  |  |  |  |  |  |  |  |



1. PROVIDE 10' X 3/4" GROUND ROD AND #2 BARE SOFT DRAWN COPPER GROUND WIRE, CONNECT WITH EXOTHERMIC WELD. SEE SPECIFICATION SECTION 16060.
2. PROVIDE LOCKABLE NEMA 3R ENCLOSURE WITH 4 PLEX RECEPTACLE WP/GFI, WERE SHOWN ON SITE PLANS, SEE SHEET ES101.
3. PROVIDE 2" C. BACK TO PANEL LA FOR 120V CIRCUIT, WERE SHOWN ON SITE PLANS, SEE SHEET ES101.
4. PROVIDE 2" C. THROUGH FOUNDATION TO LIGHT TOWER FOR POWER.
5. PROVIDE TRANSITION FROM PVC CONDUIT TO RIGID STEEL CONDUIT AT SWEEP OF CONCRETE ENCASED DUCT BANK.
6. LIGHT TOWER FOUNDATION DETAIL BY POLE PROVIDER.
7. SEE SPECIFICATION SECTION 16526.

① **HIGH MAST POLE FOUNDATION DETAIL**  
N.T.S.

|                                                                                                                                                                                                                                                                        |                                                                                                                                                                    |                                                                                                                     |                                                                                       |                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------|
|  <p><b>WILSON<br/>&amp; COMPANY</b><br/>4900 LANG AVE N.E.<br/>SUITE 100<br/>ALBUQUERQUE, NEW MEXICO<br/>87109<br/>(505) 348-4000<br/>FAX (505) 348-4072<br/>www.wilsonco.com</p> |  <p>CITY OF ALBUQUERQUE<br/>PUBLIC WORKS DEPARTMENT<br/>ENGINEERING GROUP</p> |                                                                                                                     |  |                    |
|                                                                                                                                                                                                                                                                        | <p align="center"><b>TINGLEY PARK RECONSTRUCTION<br/>ELECTRICAL POLE DETAILS</b></p>                                                                               |                                                                                                                     |                                                                                       |                    |
|  <p><b>TERRA CREATAS</b><br/>Landscape Architecture<br/>4508 Broad St. N.E., Albuquerque, NM 87109<br/>505.641.5062</p>                                                           | <p>Design Review Committee</p>                                                | <p>City Engineer Approval</p>  | <p>Last Design Update</p>                                                             | <p>Mo./Day/Yr.</p> |
|                                                                                                                                                                                                                                                                        | <p>City Project No.</p> <p align="center"><b>7963.91</b></p>                                                                                                       | <p>Zone Map No.</p> <p align="center"><b>K-13</b></p>                                                               | <p>Sheet</p> <p align="center"><b>E-502</b></p>                                       |                    |

| PANELBOARD HA, PARK - , EMD = 200 kVA                             |               |              |                      |       |       |    |       |                   |                 |
|-------------------------------------------------------------------|---------------|--------------|----------------------|-------|-------|----|-------|-------------------|-----------------|
| SURFACE MOUNTED, 3 PHASE, 4W, 277/480V, 400A MAIN C/B, 14,000 AIC |               |              |                      |       |       |    |       |                   |                 |
| DEMAND LOAD                                                       | DEMAND FACTOR | CONNECT LOAD | LOAD                 | BKR   | CKT   | PH | CKT   | BKR               | LOAD            |
| 12.2                                                              | 1.0           | 12.2         | FLD 1-A1             | 30/3  | 1     | A  | 2     | 30/3              | FLD 2-A1        |
| 12.2                                                              | 1.0           | 12.2         |                      |       | 3     | B  | 4     |                   |                 |
| 12.2                                                              | 1.0           | 12.2         |                      |       | 5     | C  | 6     |                   |                 |
| 12.2                                                              | 1.0           | 12.2         | FLD 1-A2             | 30/3  | 7     | A  | 8     | 30/3              | FLD 2-A2        |
| 12.2                                                              | 1.0           | 12.2         |                      |       | 9     | B  | 10    |                   |                 |
| 12.2                                                              | 1.0           | 12.2         |                      |       | 11    | C  | 12    |                   |                 |
| 17.1                                                              | 1.0           | 17.1         | FLD 1-B1             | 30/3  | 13    | A  | 14    | 30/3              | FLD 2-B1        |
| 17.1                                                              | 1.0           | 17.1         |                      |       | 15    | B  | 16    |                   |                 |
| 17.1                                                              | 1.0           | 17.1         |                      |       | 17    | C  | 18    |                   |                 |
| 17.1                                                              | 1.0           | 17.1         | FLD 1-B2             | 30/3  | 19    | A  | 20    | 30/3              | FLD 2-B2        |
| 17.1                                                              | 1.0           | 17.1         |                      |       | 21    | B  | 22    |                   |                 |
| 17.1                                                              | 1.0           | 17.1         |                      |       | 23    | C  | 24    |                   |                 |
| 9.8                                                               | 1.0           | 9.8          | FLD 1-C1             | 30/3  | 25    | A  | 26    | 30/3              | FLD 2-C1        |
| 9.8                                                               | 1.0           | 9.8          |                      |       | 27    | B  | 28    |                   |                 |
| 9.8                                                               | 1.0           | 9.8          |                      |       | 29    | C  | 30    |                   |                 |
| 9.8                                                               | 1.0           | 9.8          | FLD 1-C2             | 30/3  | 31    | A  | 32    | 30/3              | FLD 2-C2        |
| 9.8                                                               | 1.0           | 9.8          |                      |       | 33    | B  | 34    |                   |                 |
| 9.8                                                               | 1.0           | 9.8          |                      |       | 35    | C  | 36    |                   |                 |
| 4.0                                                               | 0.5           | 7.9          | SPACE                |       | 37    | A  | 38    |                   |                 |
| 76.9                                                              |               | 83.8         | TRANSFORMER TA       | 125/2 | 39    | B  | 40    | 30/3              | SECURITY LIGHTS |
| 76.9                                                              |               | 94.9         |                      |       | 41    | C  | 42    |                   |                 |
| 82.2                                                              | A             | 86.1         | PANEL CONNECTED AMPS |       | 172.2 | A  | 168.2 | PANEL DEMAND AMPS |                 |
| 155.1                                                             | B             | 162.0        |                      |       | 248.0 | B  | 241.2 |                   |                 |
| 155.1                                                             | C             | 173.2        |                      |       | 259.2 | C  | 241.2 |                   |                 |

ESTIMATED MAX DEMAND = VOLTS x 1.732 x MAX DEMAND AMPS = 480 x 1.732 x 241 = 200 kVA

MINIMUM AMPACITY = 1.25 x MAX DEMAND AMPS = 1.25 x 241 = 301 AMPS

| PANELBOARD LA, PARK - , EMD = 37 kVA                               |               |              |                      |      |       |    |       |                   |                           |
|--------------------------------------------------------------------|---------------|--------------|----------------------|------|-------|----|-------|-------------------|---------------------------|
| SURFACE MOUNTED, 1 PHASE, 3W, 120/240V, 225 A MAIN C/B, 10,000 AIC |               |              |                      |      |       |    |       |                   |                           |
| DEMAND LOAD                                                        | DEMAND FACTOR | CONNECT LOAD | LOAD                 | BKR  | CKT   | PH | CKT   | BKR               | LOAD                      |
| 2.0                                                                | 1.0           | 2.0          | RECPT                | 20   | 1     | A  | 2     | 50                | EWV-1                     |
| 10.0                                                               | 1.0           | 10.0         | DF-1 GFCI BRAKER     | 20   | 3     | B  | 4     | 50                | EWV-2                     |
| 5.6                                                                | 1.0           | 5.6          | INTERIOR LGT         | 20   | 5     | A  | 6     | 30/2              | EHV-3                     |
| 4.0                                                                | 1.0           | 4.0          | EXTERIOR LGT         | 20   | 7     | B  | 8     |                   |                           |
| 8.5                                                                | 1.0           | 8.5          | PATHWAY A            | 20/2 | 9     | A  | 10    | 80/2              | WALL MOUNTED POWER OUTLET |
| 8.5                                                                | 1.0           | 8.5          |                      |      | 11    | B  | 12    |                   |                           |
| 8.5                                                                | 1.0           | 8.5          | PATHWAY B            | 20/2 | 13    | A  | 14    | 15                | EF-1                      |
| 8.5                                                                | 1.0           | 8.5          |                      |      | 15    | B  | 16    | 20                |                           |
| 4.0                                                                | 1.0           | 4.0          | POLE RECPT           | 20   | 17    | A  | 18    |                   | HEAT TRACING              |
| 12.2                                                               | 0.8           | 15.3         | HAND DRYER 1         | 20   | 19    | B  | 20    |                   | SPACE                     |
| 12.2                                                               | 0.8           | 15.3         | HAND DRYER 2         | 20   | 21    | A  | 22    |                   | SPACE                     |
| 4.2                                                                | 0.5           | 8.3          | SPACE                |      | 23    | B  | 24    |                   | SPACE                     |
| 40.8                                                               | A             | 43.8         | PANEL CONNECTED AMPS |      | 167.6 | A  | 135.7 | PANEL DEMAND AMPS |                           |
| 47.3                                                               | B             | 54.5         |                      |      | 189.9 | B  | 153.8 |                   |                           |

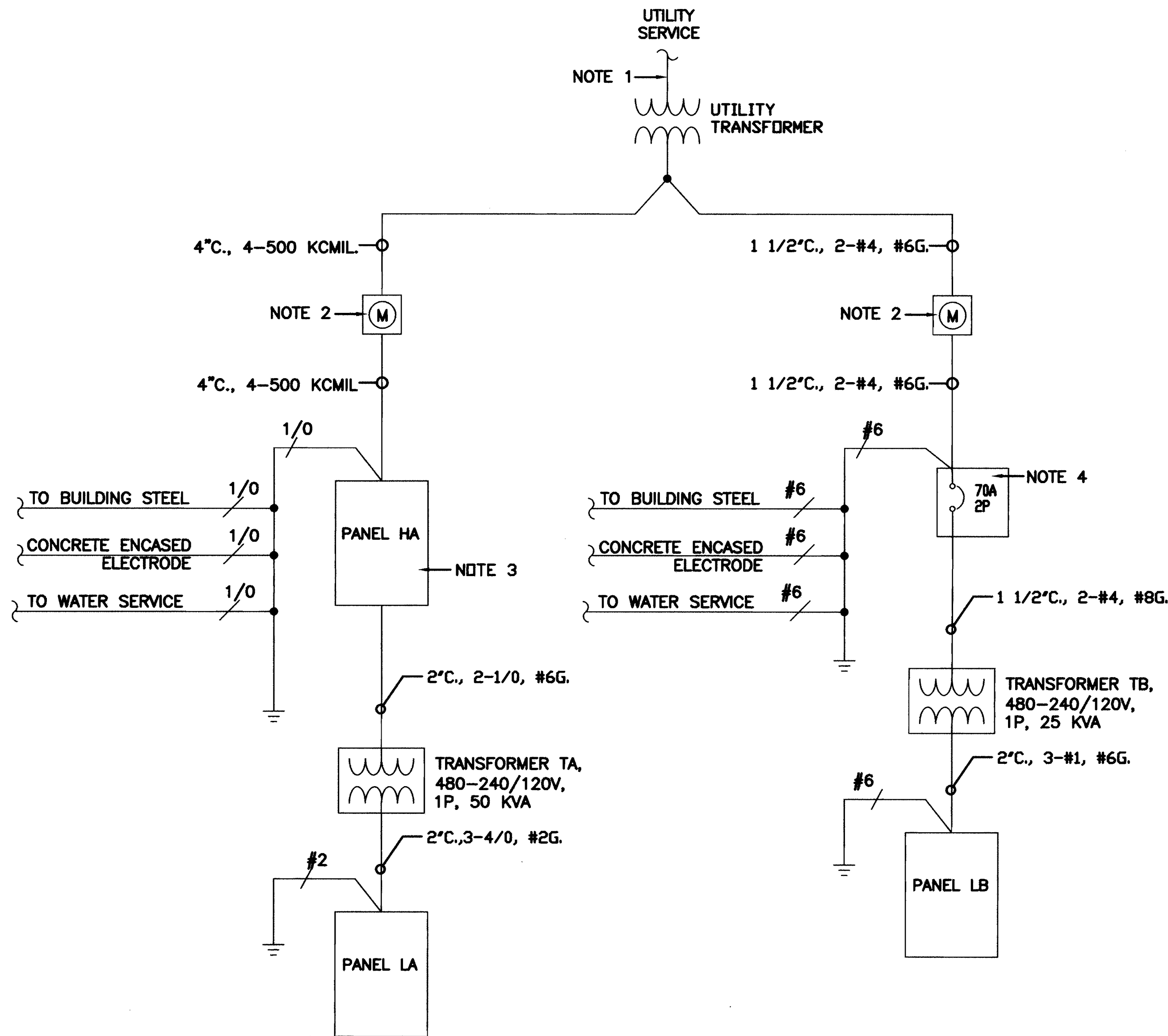
ESTIMATED MAX DEMAND = VOLTS x MAX DEMAND AMPS = 240 x 154 = 37 kVA

MINIMUM AMPACITY = 1.25 x MAX DEMAND AMPS = 1.25 x 154 = 192 AMPS

| PANELBOARD LB, WATER - , EMD = 19 kVA                              |               |              |                      |     |      |    |      |                   |                |
|--------------------------------------------------------------------|---------------|--------------|----------------------|-----|------|----|------|-------------------|----------------|
| SURFACE MOUNTED, 1 PHASE, 3W, 120/240V, 125 A MAIN C/B, 10,000 AIC |               |              |                      |     |      |    |      |                   |                |
| DEMAND LOAD                                                        | DEMAND FACTOR | CONNECT LOAD | LOAD                 | BKR | CKT  | PH | CKT  | BKR               | LOAD           |
| 2.0                                                                | 1.0           | 2.0          | RECPT                | 20  | 1    | A  | 2    | 50/2              | BIO-FILTER (F) |
| 6.0                                                                | 1.0           | 6.0          | LIGHTING             | 20  | 3    | B  | 4    |                   |                |
| 12.8                                                               | 0.8           | 16.0         | HEAT TRACING (F)     | 20  | 5    | A  | 6    | 20                | BIO-FILTER (F) |
| 4.2                                                                | 0.5           | 8.3          | SPACE                |     | 7    | B  | 8    | 20                | CHM. SKID      |
| 4.2                                                                | 0.5           | 8.3          | SPACE                |     | 9    | A  | 10   |                   | SPACE          |
| 4.2                                                                | 0.5           | 8.3          | SPACE                |     | 11   | B  | 12   |                   | SPACE          |
| 19.0                                                               | A             | 26.3         | PANEL CONNECTED AMPS |     | 90.6 | A  | 79.1 | PANEL DEMAND AMPS |                |
| 14.3                                                               | B             | 22.6         |                      |     | 86.9 | B  | 74.5 |                   |                |

ESTIMATED MAX DEMAND = VOLTS x MAX DEMAND AMPS = 240 x 79 = 19 kVA

MINIMUM AMPACITY = 1.25 x MAX DEMAND AMPS = 1.25 x 79 = 99 AMPS



#### ONE-LINE NOTES:

- COORDINATE ALL UTILITY WORK WITH PNM. PLEASE CONTACT ART CHAVEZ WITH PNM (ELECTRICAL AGENCY) AT 505-241-3398.
- METER, INSTALL METER CABINET TO UTILITY REQUIREMENTS. COORDINATE METER LOCATION FOR BOTH LOCATIONS.
- PROVIDE PANEL SUITABLE FOR SERVICE ENTRANCE.
- PROVIDE DISCONNECT SUITABLE FOR SERVICE ENTRANCE.

① ONE-LINE DIAGRAM  
NO SCALE

| AS-BUILT INFORMATION |      | BENCH MARKS                                                                                                                                                          |      | SURVEY INFORMATION |    | ENGINEER'S SEAL |                                                                                                                                                           |
|----------------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------|----|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| CONTRACTOR           | DATE | STD. ACS BRASS TABLET STAMPED "1-K13"                                                                                                                                | DATE | NO.                | BY |                 | REMARKS<br>REVISIONS<br>WILSON & COMPANY, ENGINEERS & ARCHITECTS<br>DESIGNED BY JNH DATE MAR 07<br>DRAWN BY SRB DATE MAR 07<br>CHECKED BY JNH DATE MAR 07 |
| WORK STAMPED BY      | DATE | SET IN TOP OF A CONCRETE POST, APPROX. 0.2 FT BELOW TYP. THE STATION IS THEN 0.7 FT WEST OF THE WEST CURB ON EIGHTH STREET, AND IS APPROX. 225' SOUTH OF STOVER AVE. | DATE |                    |    |                 |                                                                                                                                                           |

**WILSON & COMPANY**  
4900 LANG AVE N.E.  
SUITE 100  
ALBUQUERQUE, NEW MEXICO 87109  
(505) 348-4000  
FAX (505) 348-4072  
www.wilsonco.com

**TERRA CREATAS**  
Landscape Architecture  
4504 Brand St N.E. Albuquerque, NM 87109  
505.881.3062



CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING GROUP



### TINGLEY PARK RECONSTRUCTION ONE-LINE DIAGRAM & PANELBOARDS

Design Review Committee  
APPROVED  
AUG 01 2007  
DESIGN REVIEW COMMITTEE

City Engineer Approval  
APPROVED  
AUG 01 2007  
CITY ENGINEER

Last Design Update

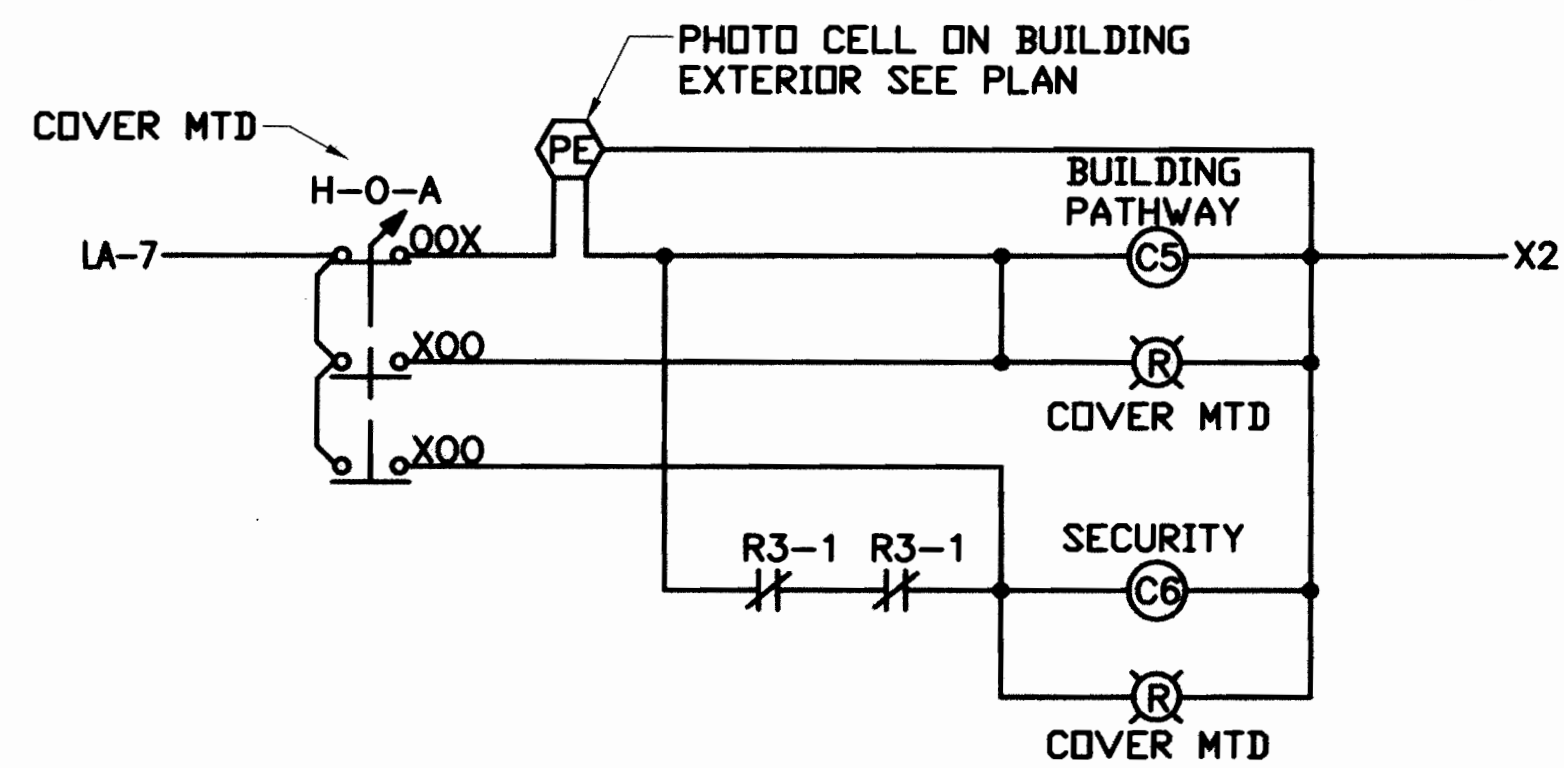
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| Mo./Day/Yr. | Mo./Day/Yr. |
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City Project No. 7963.91

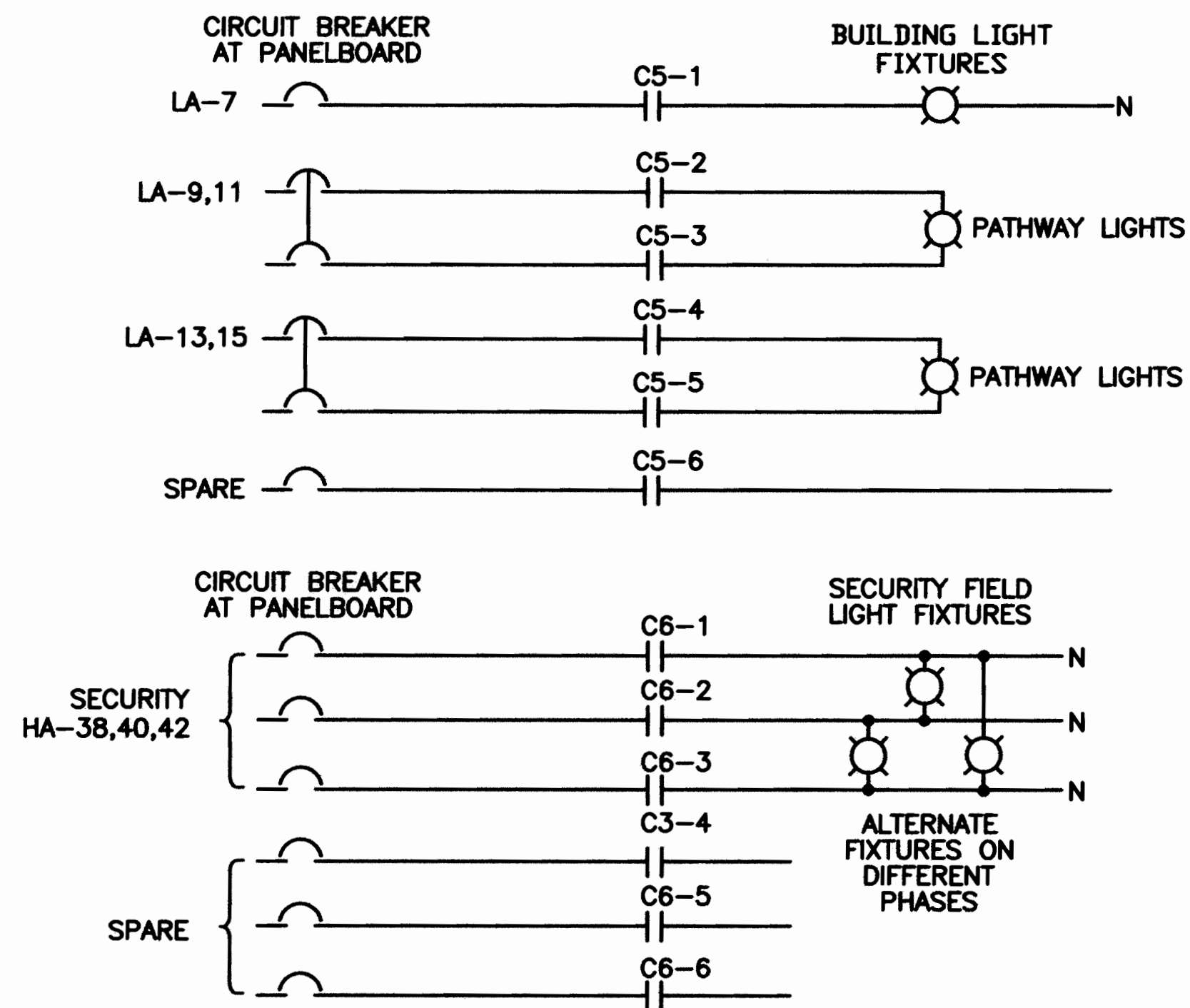
Zone Map No. K-13

Sheet E-601 of

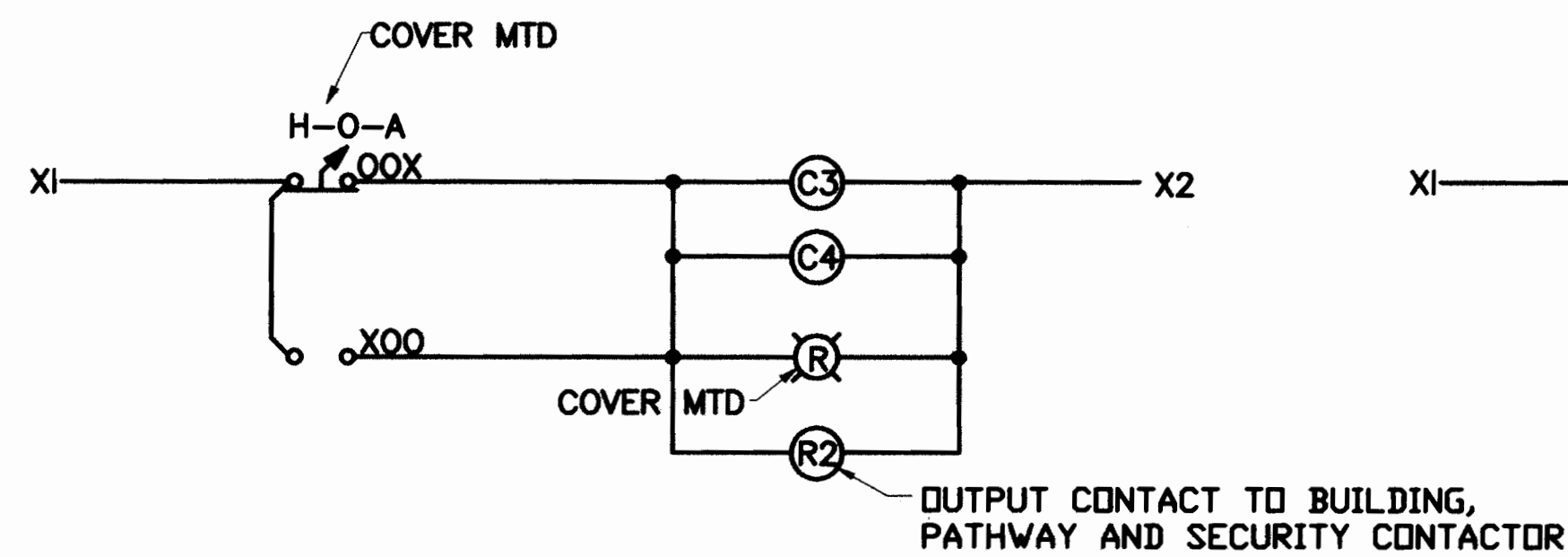
E601  
WCEA #0660012300  
MAY 2007



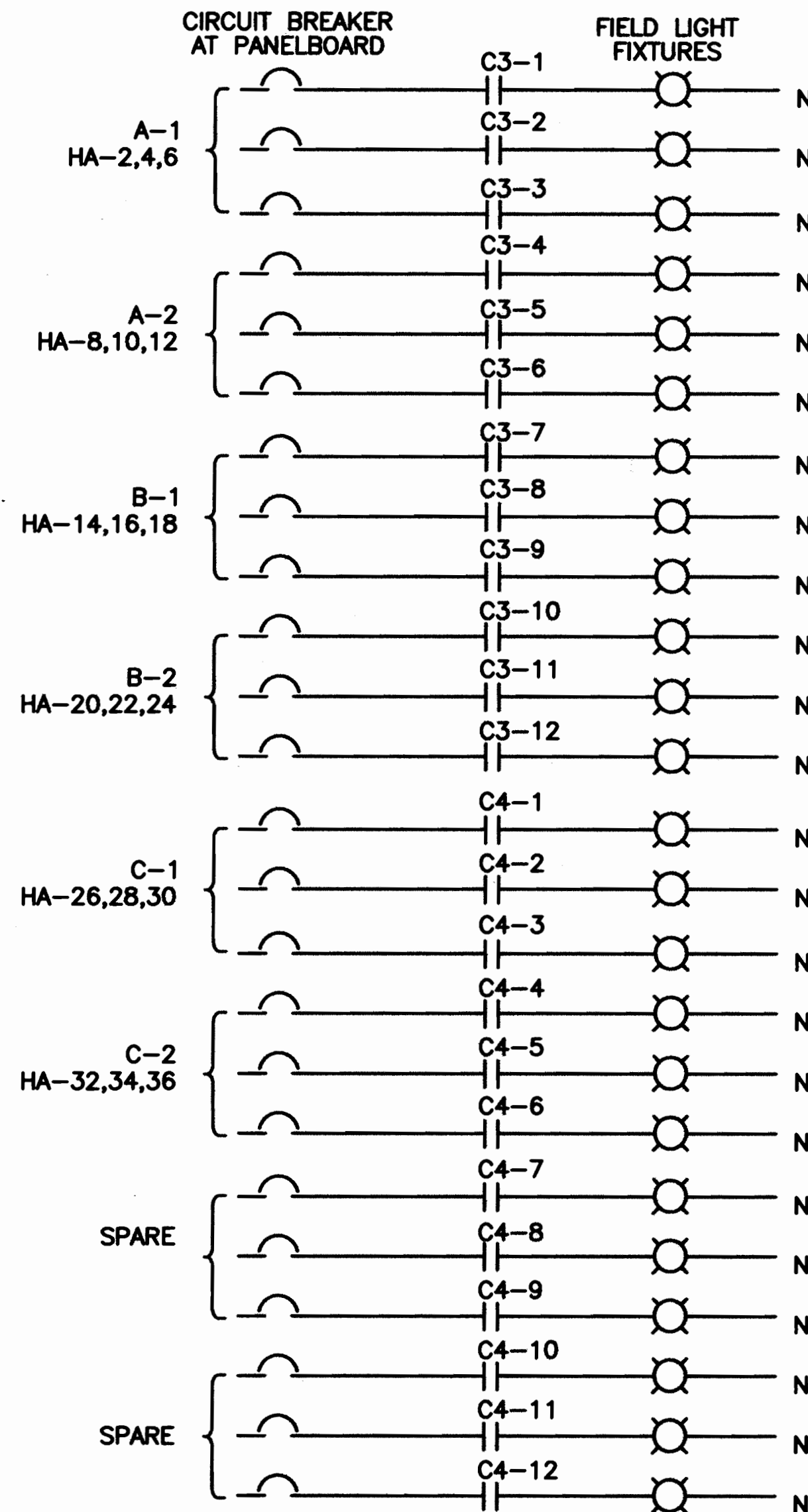
**CONTACTOR PANEL SECURITY LIGHTING, BUILDING & PATHWAY**  
CONTACTOR C5 & C6  
BUILDING MOUNTED LIGHTS CONTROLLED BY  
PHOTOCELL LIGHTING CONTACTORS ARE 6P-30A WITH  
NEMA 1 ENCLOSURE. INSTALL SECURITY LIGHTING  
CONTACTOR IN SEPARATE ENCLOSURE.



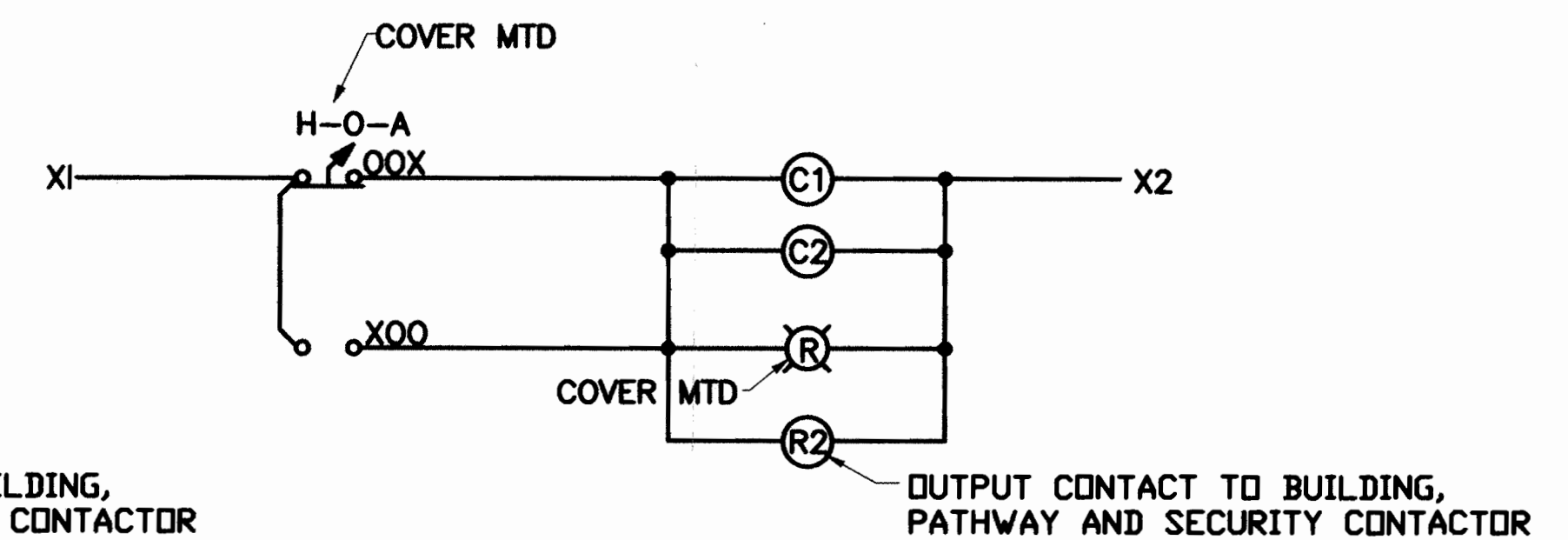
**③ SECURITY LIGHTING, BUILDING & PATHWAY CONTACTOR**  
NO SCALE



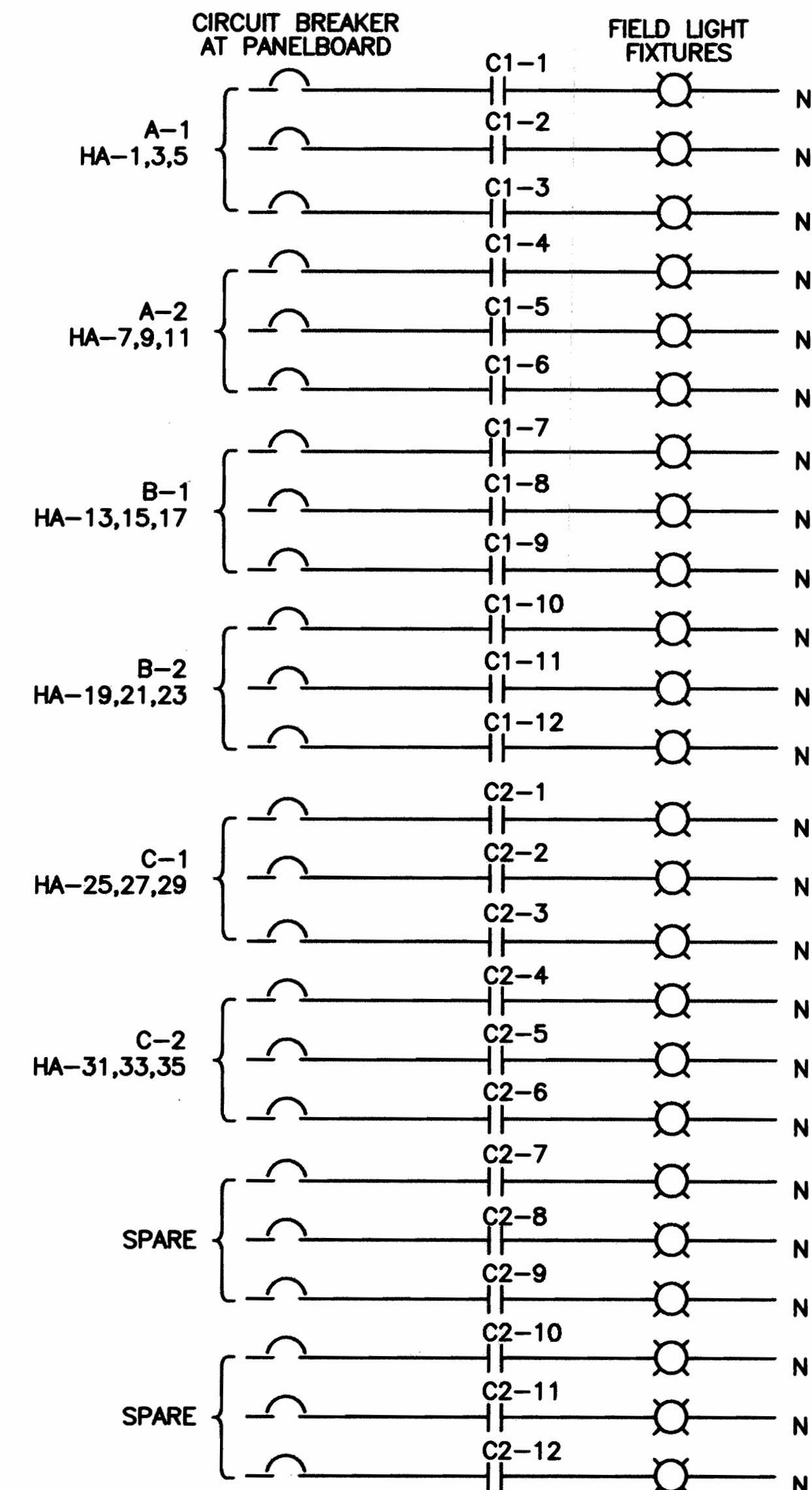
**CONTACTOR PANEL FIELD 2**  
CONTACTOR(S) C3 & C4  
LIGHTS CONTROLLED BY H-O-A SWITCH, LIGHTING CONTACTORS  
ARE (2) 12P-30A WITH NEMA 3R ENCLOSURE.



**② LIGHTING CONTACTOR FIELD 2**  
NO SCALE



**CONTACTOR PANEL FIELD 1**  
CONTACTOR(S) C1 & C2  
LIGHTS CONTROLLED BY H-O-A SWITCH, LIGHTING CONTACTORS  
ARE (2) 12P-30A WITH NEMA 3R ENCLOSURE.



**① LIGHTING CONTACTOR FIELD 1**  
NO SCALE

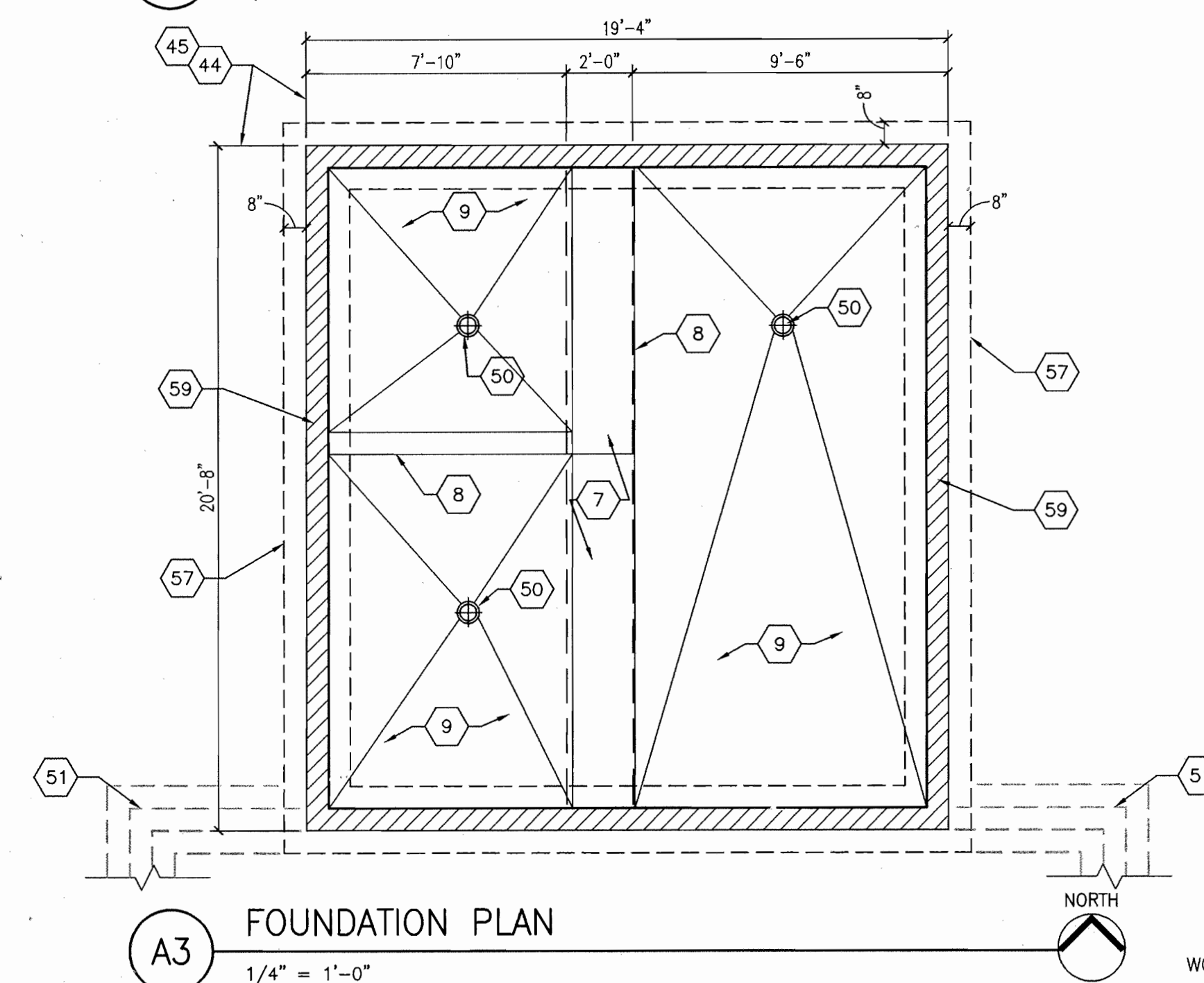
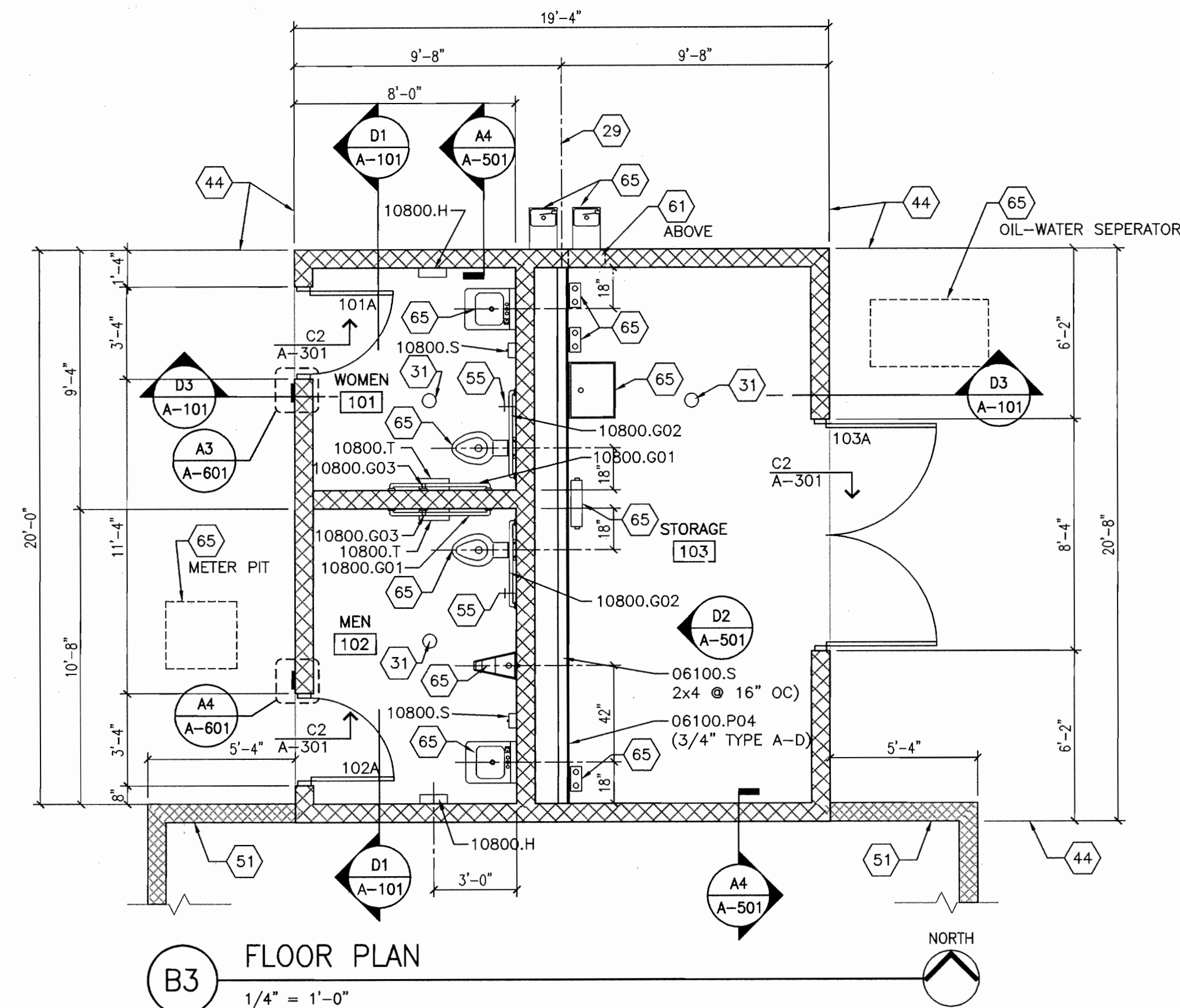
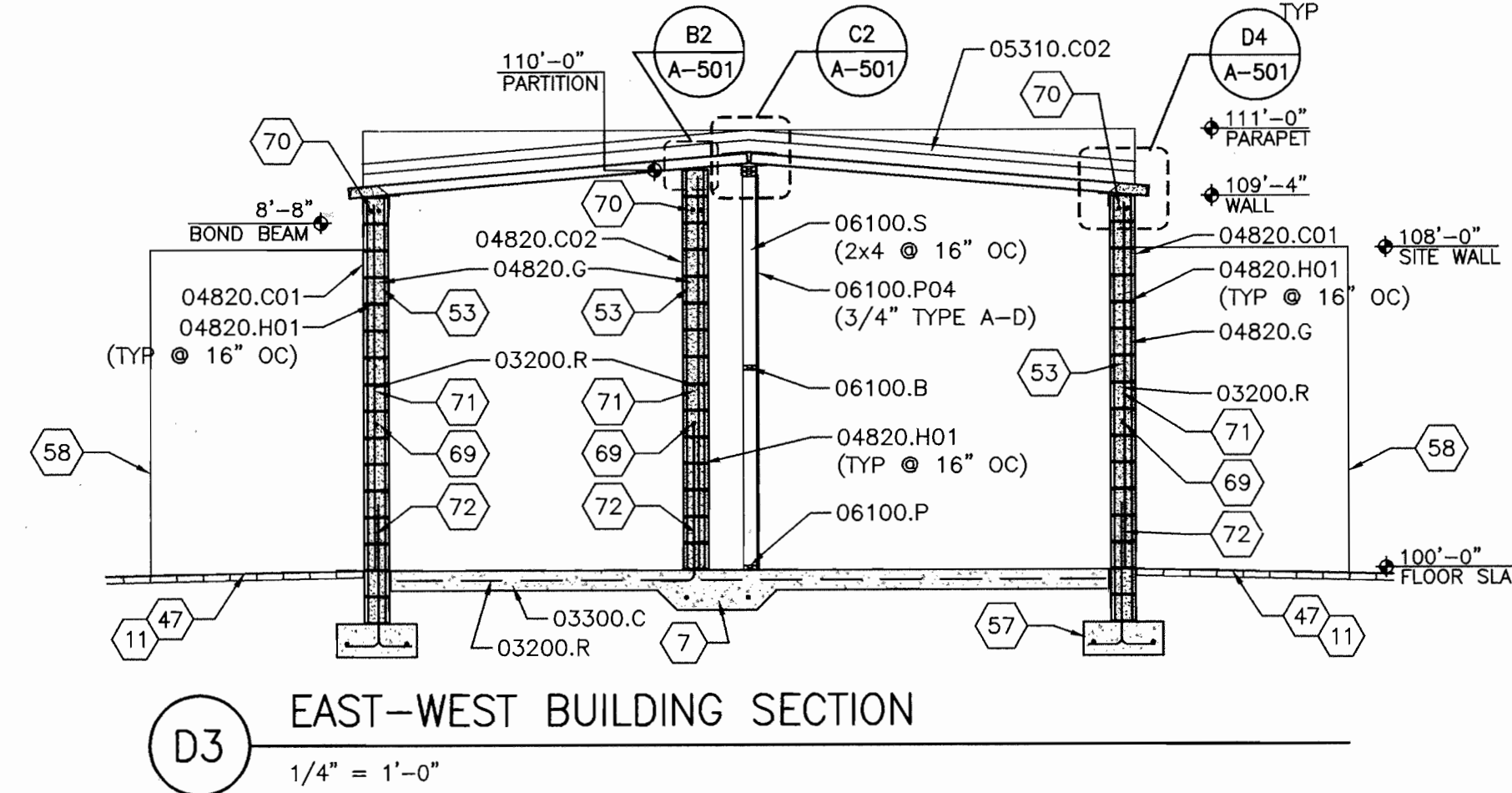
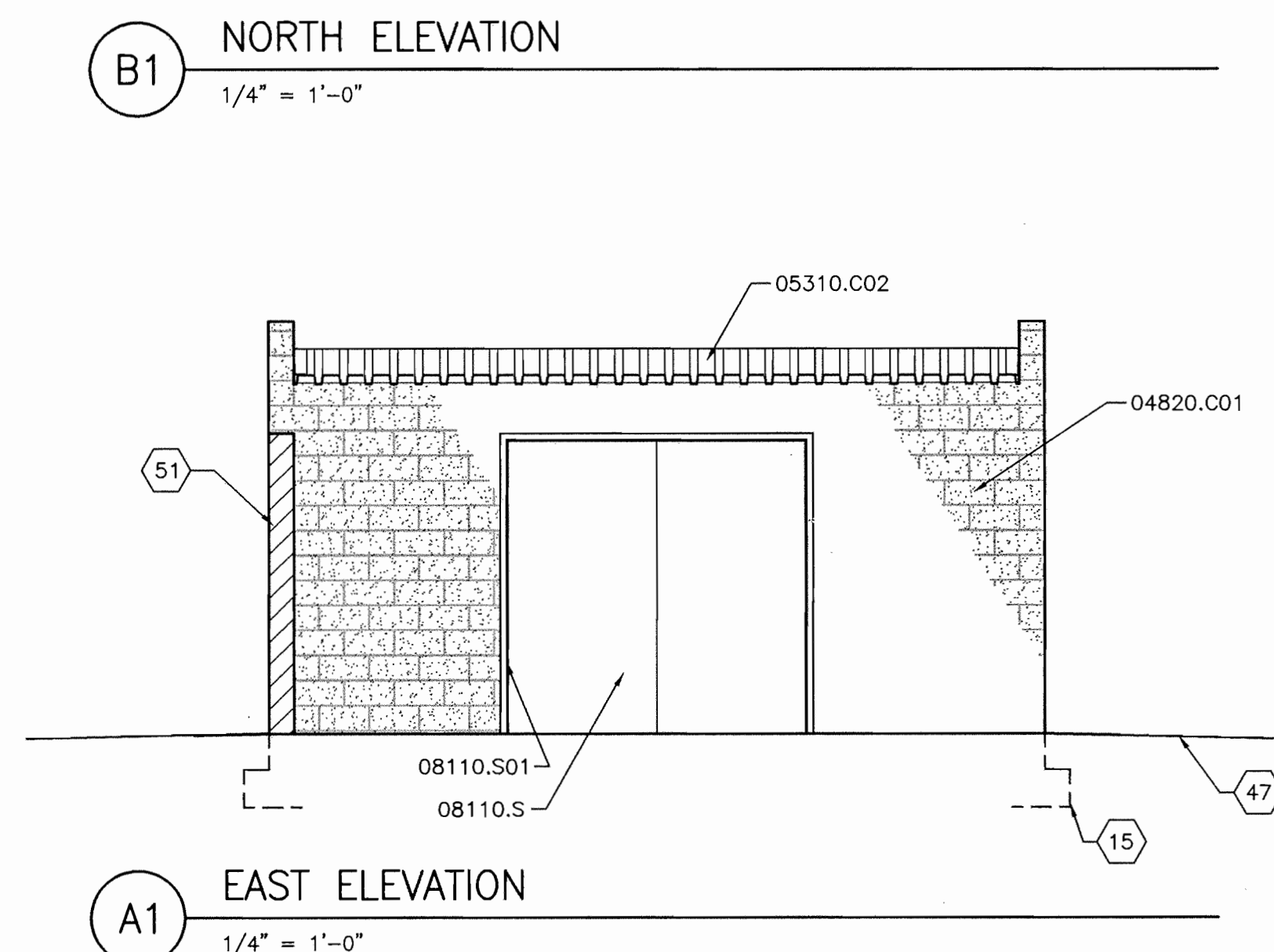
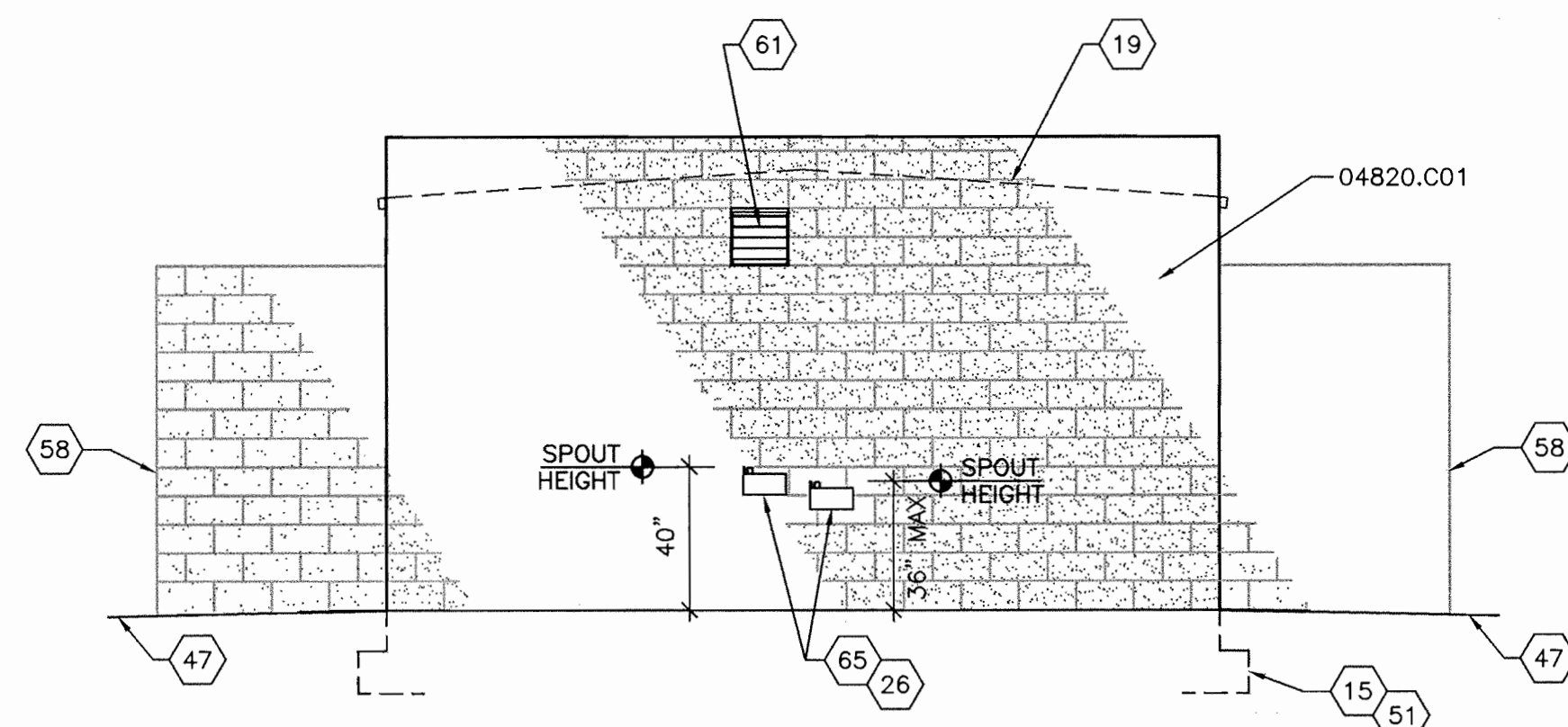
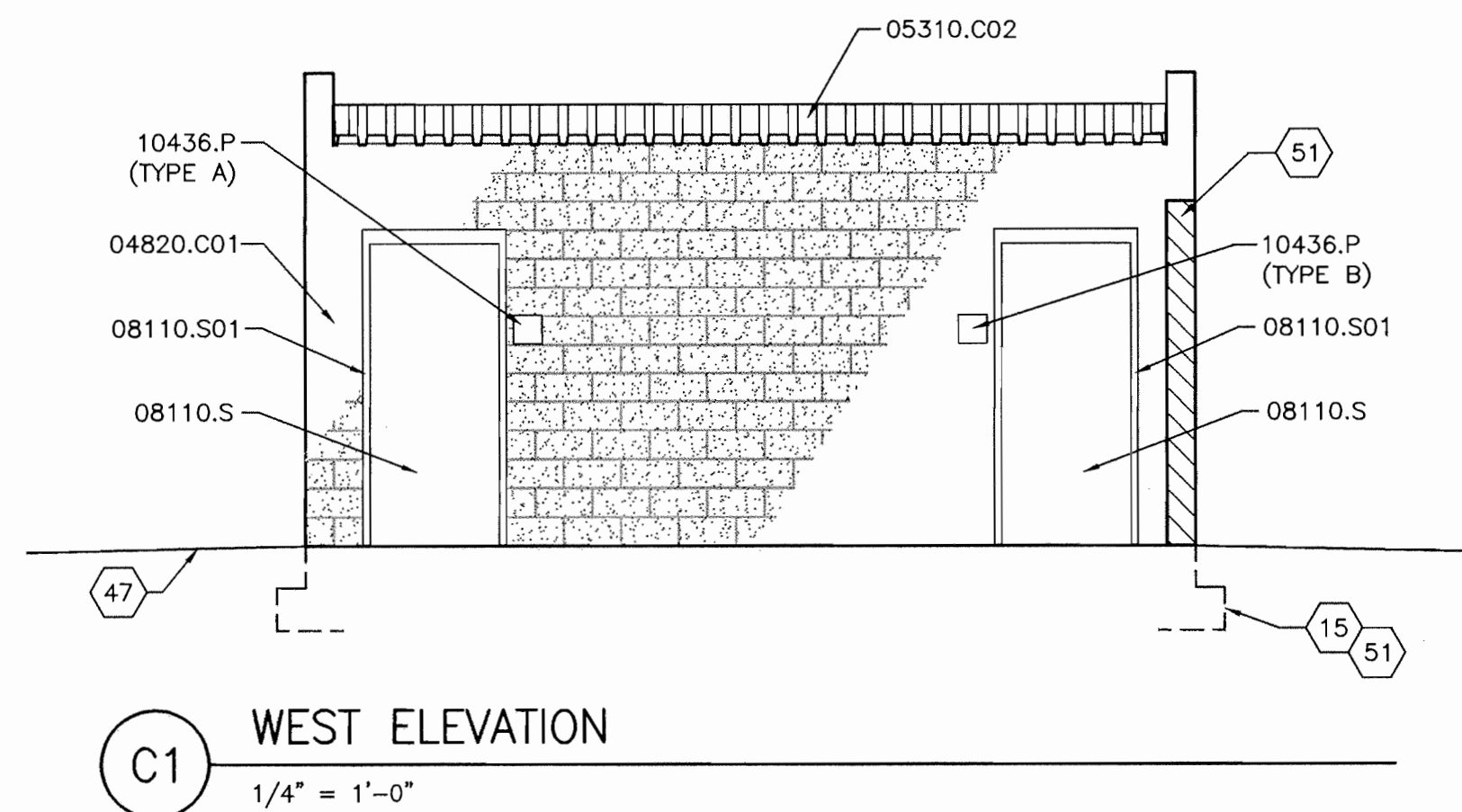
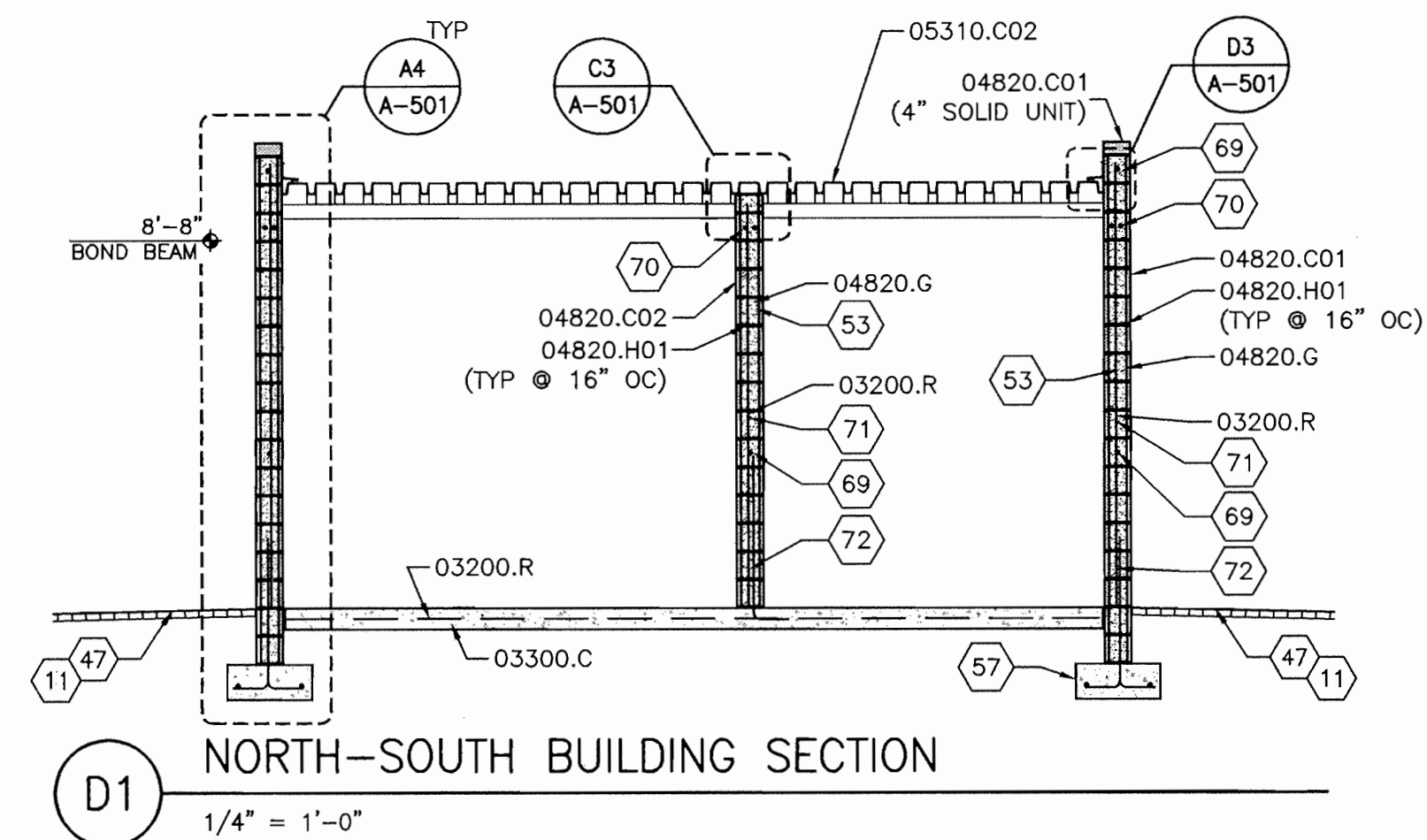
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|------------------------|------------------|-----------------------------------------------|------|--------------------|----|-----------------|----------|
| AS-BUILT INFORMATION   |                  | BENCH MARKS                                   |      | SURVEY INFORMATION |    | ENGINEER'S SEAL |          |
| CONTRACTOR             | U.S. ROYALTY     | STD. ACS BRASS TABLET STAMPED "1-K13"         | DATE | NO.                | BY | REMARKS         | NO. DATE |
| INSPECTOR              | PRECISION SURVEY | SET IN TOP OF A CONCRETE POST, APPROX. 0.2 FT | DATE | NO.                | BY | REVISIONS       | NO. DATE |
| FIELD                  | PRECISION SURVEY | BELOW TURE, THE STATION IS THEN 0.7 FT WEST   | DATE | NO.                | BY | REVISIONS       | NO. DATE |
| VERIFIED               | PRECISION SURVEY | OF THE WEST CURB ON EIGHTH STREET, AND IS     | DATE | NO.                | BY | REVISIONS       | NO. DATE |
| CORRECTED              | PRECISION SURVEY | APPROX. 225' SOUTH OF STOVER AVE.             | DATE | NO.                | BY | REVISIONS       | NO. DATE |
| MICRO-FILM INFORMATION |                  | ELEVATION = 4944.03 FT.                       |      | DESIGNED BY        |    | DESIGNED BY     |          |
| RECORDED BY            |                  | ELEVATION = 4944.03 FT.                       |      | DRAWN BY           |    | DRAWN BY        |          |
| NO.                    |                  | ELEVATION = 4944.03 FT.                       |      | CHECKED BY         |    | CHECKED BY      |          |
| DATE                   |                  | ELEVATION = 4944.03 FT.                       |      | DATE               |    | DATE            |          |
| DATE                   |                  | ELEVATION = 4944.03 FT.                       |      | DATE               |    | DATE            |          |

**WILSON & COMPANY**  
4900 LANG AVE N.E.  
SUITE 100  
ALBUQUERQUE, NEW MEXICO 87109  
(505) 348-4000  
FAX (505) 348-4072  
www.wilsonco.com

**TERRA CREATAS**  
Landscape Architecture  
4500 Brand Street, Albuquerque, NM 87109  
(505) 441-7062

|                                                                     |                        |                                                            |             |
|---------------------------------------------------------------------|------------------------|------------------------------------------------------------|-------------|
| CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING GROUP |                        | TINGLEY PARK RECONSTRUCTION<br>ELECTRICAL CONTROL DIAGRAMS |             |
| Design Review Committee                                             | City Engineer Approval | Mo./Day/Yr.                                                | Mo./Day/Yr. |
| AUG 01 2007                                                         | AUG 01 2007            |                                                            |             |
| DESIGN REVIEW COMMITTEE                                             | CITY ENGINEER          |                                                            |             |
| City Project No.                                                    | Zone Map No.           | Sheet                                                      | Of          |
| 7963.91                                                             | K-13                   | E-602                                                      |             |

**E602**  
WCEA #0660012300  
MAY 2007



## GENERAL ARCHITECTURAL NOTES

1. APPLICABLE CODES  
BUILDING AND STRUCTURAL: 2003 STATE OF NEW MEXICO COMMERCIAL BUILDING CODE (2003 INTERNATIONAL BUILDING CODE, AS AMENDED)  
PLUMBING: 2003 STATE OF NEW MEXICO PLUMBING CODE (2003 UNIFORM PLUMBING CODE AND ALL APPENDICES, AS AMENDED)  
MECHANICAL: 2003 STATE OF NEW MEXICO MECHANICAL CODE (2003 UNIFORM MECHANICAL CODE, AS AMENDED)  
ELECTRICAL: 2002 STATE OF NEW MEXICO ELECTRICAL CODE (2002 NATIONAL ELECTRICAL CODE, AS AMENDED)  
ACCESSIBILITY: THE ICC/ANSI A117.1-2003
2. SUMMARY OF GOVERNING REGULATIONS – TOILETS:  
A. PROJECT LOCATION: ALBUERQUE, NM  
B. CONSTRUCTION TYPE: TYPE VB (SECTION 602.5, IBC)  
C. BUILDING AREA: 400 SQ FT (SECTION 502.1, IBC)  
D. OCCUPANCY CLASSIFICATION: BUSINESS GROUP B, (SECTION 304, IBC)  
E. OCCUPANT LOAD (SECTION 1004 & TABLE 1004.1.2, IBC):  
TOILETS: 207/100 = 3 OCCUPANTS  
STORAGE: 207/300 = 1 OCCUPANTS
3. THE ARCHITECTURAL DRAWINGS UTILIZE A REFERENCE KEYNOTE SYSTEM CONSISTING OF A 5-DIGIT NUMERICAL ROOT FOLLOWED BY A PERIOD AND AN ALPHANUMERIC SUFFIX (SUCH AS 05500.A01).
- EACH REFERENCE KEYNOTE THAT APPEARS ON THE SHEET IS LISTED IN THE REFERENCE KEYNOTES PORTION OF THE NOTE BLOCK, ALONG WITH A TEXT NOTE THAT DESCRIBES THE GRAPHIC.
- THE 5-DIGIT NUMERICAL ROOT CORRESPONDS TO THE SPECIFICATION SECTION NUMBER LOCATION WHERE THE OBJECT OR MATERIAL IS SPECIFIED, THE ALPHANUMERIC SUFFIX IS NOT ASSOCIATED WITH ANY SPECIFIC REFERENCE IN THE SPECIFICATION SECTION.
- CERTAIN REFERENCE KEYNOTES MAY CONTAIN MODIFIERS (CONTAINED WITHIN PARENTHESES) LOCATED BENEATH THE REFERENCE KEYNOTE. THE MODIFIER IDENTIFIES TYPE, SIZE, THICKNESS, AND OTHER ADDITIONAL CHARACTERISTICS ABOUT THE ITEM.
- THE REFERENCE KEYNOTING SYSTEM SHALL NOT CONTROL THE CONTRACTOR IN DIVIDING THE WORK AMONG SUBCONTRACTORS OR IN ESTABLISHING THE EXTENT OF WORK TO BE PERFORMED BY ANY TRADE.
4. ABBREVIATIONS: REFERENCE VERSION 3.1; U.S. NATIONAL CAD STANDARD

| REFERENCE | KEYNOTES |
|-----------|----------|
|-----------|----------|

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| <b><u>03-CONCRETE</u></b>            |                                   |
| 03200.R                              | REINFORCING STEEL                 |
| 03300.C                              | CAST-IN-PLACE CONCRETE            |
| <b><u>04-MASONRY</u></b>             |                                   |
| 04820.C01                            | CONCRETE MASONRY UNITS TYPE "A"   |
| 04820.C02                            | CONCRETE MASONRY UNITS TYPE "B"   |
| 04820.G                              | GROUT                             |
| 04820.H01                            | HORIZONTAL JOINT REINFORCEMENT    |
| <b><u>05-METALS</u></b>              |                                   |
| 05310.C02                            | CELLULAR FLOOR DECK               |
| <b><u>06-WOOD &amp; PLASTICS</u></b> |                                   |
| 06100.B                              | BLOCKING                          |
| 06100.P                              | PRESSURE TREATED DIMENSION LUMBER |
| 06100.P04                            | PLYWOOD                           |
| 06100.S                              | STUD FRAMING                      |
| <b><u>08-DOORS &amp; WINDOWS</u></b> |                                   |
| 08110.S                              | STEEL DOOR                        |
| 08110.S01                            | STEEL FRAME                       |
| <b><u>10-SPECIALTIES</u></b>         |                                   |
| 10436.P                              | PANEL SIGN                        |
| 10800.G01                            | GRAB BAR TYPE "A"                 |
| 10800.G02                            | GRAB BAR TYPE "B"                 |
| 10800.G03                            | GRAB BAR TYPE "C"                 |
| 10800.H                              | HAND DRYER                        |
| 10800.S                              | SOAP DISPENSER                    |
| 10800.T                              | TOILET PAPER DISPENSER            |

SHEET KEYNOTES

7. 8" THICKENED SLAB WITH CONTINUOUS REINFORCING STEEL FROM ADJACENT SLAB AND (2) #4 CONTINUOUS 3" FROM BOTTOM
8. CONTROL JOINT - REFER TO DETAIL C/4A-501.
9. 4" CONCRETE SLAB WITH #4 BARS AT 16" OC EACH WAY.
11. CONCRETE PAVERS - REFER TO LANDSCAPE SHEETS.
15. DASHED LINE INDICATES FOUNDATION - REFER TO FOUNDATION PLAN.
19. DASHED LINE INDICATES ROOF LINE.
26. PROVIDE SMOOTH FACE (MASONRY) AT DRINKING FOUNTAINS FOR SOLID ATTACHMENT.
29. CENTERLINE OF LOAD BEARING STUD WALL.
31. DRAIN - REFER TO PLUMBING PLAN.
44. FACE OF BUILDING.
45. FACE OF FOUNDATION.
47. FINISH GRADE - SEE CIVIL SHEETS.
50. FLOOR DRAIN RIN ELEVATION = 99'-11".
51. SITE WALL - REFER TO CIVIL
53. GROUT ALL CELLS - TYPICAL.
55. HOSE BIB - REFER TO MECHANICAL SHEETS.
57. 10"D x 24"W CONCRETE FOOTING WITH (3) #4 CONTINUOUS; PROVIDE (2) 24" x 24" CORNER BARS AT ALL CORNERS.
58. SITE WALL BEYOND.
59. MASONRY STEM WALL - REFER TO WALL SECTION.
61. LOUVER - REFER TO MECHANICAL SHEETS AND DETAIL A1/A-601.
65. PLUMBING FIXTURE/EQUIPMENT - SEE PLUMBING SHEETS.
69. REINFORCING STEEL - (1) #5 CONTINUOUS.
70. REINFORCING STEEL - (2) #5 CONTINUOUS IN 8" BOND BEAM.
71. REINFORCING STEEL - #5 VERTICAL @ 32" OC.
72. REINFORCING STEEL - #5 DOWELS; 9" x 42" AT 16" OC; ALTERNATE HOOK.

**WILSON  
& COMPANY**

4900 LANG AVE N.E.  
SUITE 100  
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87109  
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**TERRA CREATAS**  
  
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 505.881.3062

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING GROUP

# TINGLEY PARK RECONSTRUCTION PLANS, ELEVATIONS & SECTIONS

|                         |                        |     |             |             |
|-------------------------|------------------------|-----|-------------|-------------|
| Design-Review Committee | City-Engineer Approval | ate | Mo./Day/Yr. | Mo./Day/Yr. |
|-------------------------|------------------------|-----|-------------|-------------|

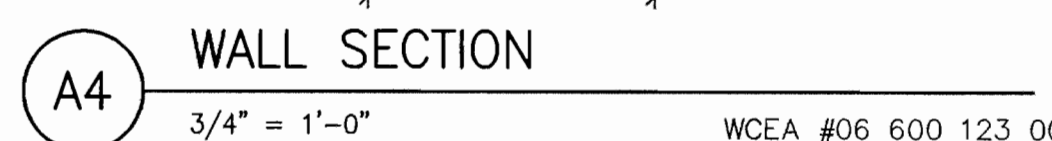
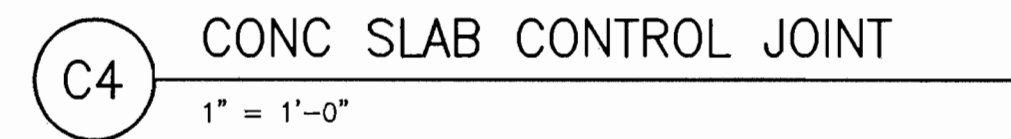
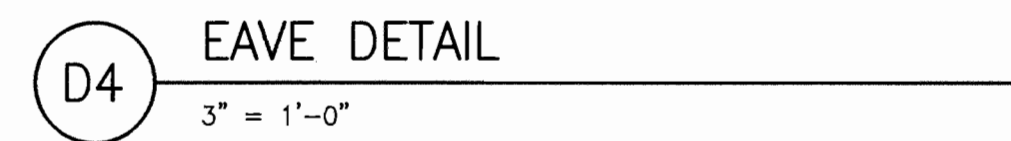
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| City Project No.<br>7963.91 | Zone Map No.<br>K-13 | A-101 |
|-----------------------------|----------------------|-------|

|                      |                        |                         |      |              |
|----------------------|------------------------|-------------------------|------|--------------|
| AS-BUILT INFORMATION | CONTRACTOR             | <i>A.S. HOPNER</i>      | DATE | <i>07/08</i> |
|                      | WORK                   | <i>PRECISION SURVEY</i> | DATE | <i>10/08</i> |
|                      | INSPECTOR'S            |                         | DATE | <i>10/08</i> |
|                      | ACCEPTANCE BY          | <i>COT</i>              | DATE | <i>10/08</i> |
|                      | FIELD                  | <i>PRECISION SURVEY</i> | DATE | <i>10/08</i> |
|                      | PROVINCE               | <i>PRECISION SURVEY</i> | DATE | <i>10/08</i> |
|                      | MICRO-FILM INFORMATION |                         |      |              |
|                      | RECORDED BY            |                         | DATE |              |
|                      | NO.                    |                         |      |              |

[illegible][illegible][illegible]

|             |             |
|-------------|-------------|
| INSTR       |             |
| SECTION     |             |
| Mo./Day/Yr. | Mo./Day/Yr. |
|             |             |
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|             |             |
|             |             |
| A-101       |             |



|                             |                      |       |
|-----------------------------|----------------------|-------|
| City Project No.<br>7963.91 | Zone Map No.<br>K-13 | A-501 |
|-----------------------------|----------------------|-------|

[illegible]

|                                                                   |                                                    |                                                                    |             |             |
|-------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------|-------------|-------------|
| Design Review Committee<br><br>City Project No.<br>7963 <b>91</b> | City Engineer Approval<br><br>Zone Map No.<br>K-13 | Last Design Update<br><div style="text-align: center;">A-601</div> | Mo./Day/Yr. | Mo./Day/Yr. |
|                                                                   |                                                    |                                                                    |             |             |
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|                                                                   |                                                    |                                                                    |             |             |
|                                                                   |                                                    |                                                                    |             |             |
|                                                                   |                                                    |                                                                    |             |             |

UNLESS OTHERWISE NOTED, THE WORK DESCRIBED ON THE PLANS AND SPECIFICATIONS SHALL INCLUDE THE FURNISHING AND INSTALLATION OF ALL LABOR AND MATERIALS NECESSARY FOR COMPLETE AND OPERATIONAL EXHAUST AND PLUMBING SYSTEM. CONTRACTOR SHALL FURNISH THESE EVEN IF ITEMS REQUIRED TO ACHIEVE THIS (I.E. OFFSETS, ISOLATION AND BALANCING DEVICES, MAINTENANCE CLEARANCES, ETC.) ARE NOT SPECIFICALLY SHOWN.

2. DATA GIVEN ON THE DRAWINGS IS AS EXACT AS COULD BE SECURED. ABSOLUTE ACCURACY IS NOT GUARANTEED AND THE CONTRACTOR SHALL OBTAIN AND VERIFY EXACT LOCATIONS, MEASUREMENTS, LEVELS, ELEVANCE REQUIREMENTS, POTENTIAL CONFLICTS WITH OTHER TRADES, ETC. AT THE SITE AND SHALL SATISFACTORILY ADAPT HIS WORK TO ACTUAL CONDITIONS AT THE BUILDINGS. THE DRAWINGS ARE DIAGMATICAL IN NATURE AND SHALL NOT BE SCALED. HOWEVER, THIS DOES NOT RELIEVE ANY SUB-CONTRACTOR FROM COORDINATING HIS WORK WITH ALL OTHER TRADES AND FROM ADJUSTING HIS WORK AS REQUIRED BY THE ACTUAL CONDITIONS OF THE PROJECT. THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING A BID TO BECOME THOROUGHLY FAMILIAR WITH THE ACTUAL CONDITIONS OF THE PROJECT.

3. COORDINATE AND ADJUST ALL WORK BETWEEN TRADES AND EXISTING CONDITIONS IN ORDER TO ACCOMMODATE A NEAT, AND EFFICIENT INSTALLATION. EXAMINE THE CONTRACT DOCUMENTS OF ALL TRADES (I.E. THE ARCHITECTURAL, REFLECTED CEILING PLAN, ELECTRICAL, LIGHTING PLAN, FIRE PROTECTION PLAN, ETC.). COORDINATE NECESSARY EQUIPMENT, DUCTWORK AND PIPING LOCATIONS SO THAT THE FINAL INSTALLATION IS COMPATIBLE WITH THE MATERIALS AND EQUIPMENT OF THE OTHER TRADES. PREPARE SHOP DRAWINGS FOR INSTALLATION OF ALL NEW WORK BEFORE INSTALLATION TO VERIFY COORDINATION OF WORK BETWEEN TRADES.

4. REFER TO THE ARCHITECTURAL DIVISION FOR EXACT LOCATION OF ALL VISIBLE FIXTURES, EQUIPMENT AND AIR DEVICES.

5. MAINTAIN A MARK-UP SET OF DRAWINGS WHICH INDICATE VARIATIONS IN THE ACTUAL INSTALLATION FROM THE ORIGINAL DESIGN. SURRENDER DRAWINGS TO OWNER UPON COMPLETION.

6. ALL CAPACITIES ARE SCHEDULED AT JOBSITE ALTITUDE OF 5312 FT.

7. VERIFY THE ELECTRICAL SERVICE PROVIDED BY THE ELECTRICAL CONTRACTOR BEFORE ORDERING ANY MECHANICAL EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS.

8. PROVIDE HIGH EFFICIENCY MOTORS WITH 1.15 SERVICE FACTOR ON ALL EQUIPMENT. MOTORS SHALL BE CAPABLE OF OPERATING CONTINUOUSLY AT 105% UNDER JOBSITE CONDITIONS.

9. SUSPEND EACH TRADE'S WORK SEPARATELY FROM THE STRUCTURE. DUCTWORK SHALL BE HELD TIGHT TO STRUCTURE EXCEPT WHERE SHOWN.

10. INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.

11. PROVIDE MANUFACTURER'S RECOMMENDED SERVICE CLEARANCE ALL AROUND ALL EQUIPMENT REQUIRING SAME.

12. PROVIDE FOR SAFE CONDUCT OF THE WORK. CAREFUL REMOVAL AND DISPOSITION OF MATERIALS AND PROTECTION OF PROPERTY WHICH IS TO REMAIN UNDISTURBED.

13. PROVIDE ACCESS DOORS FOR ALL EQUIPMENT, VALVES, CLEANOUTS, ACTUATORS AND CONTROLS WHICH REQUIRE ACCESS FOR ADJUSTMENT OR SERVICING AND WHICH ARE LOCATED IN OTHERWISE UNACCESSIBLE LOCATIONS, FOR EQUIPMENT LOCATED IN "ACCESSIBLE LOCATIONS" SUCH AS LAY-IN CEILINGS. LOCATE EQUIPMENT TO PROVIDE ADEQUATE SERVICE CLEARANCE FOR NORMAL MAINTENANCE WITHOUT REMOVING ARCHITECTURAL, ELECTRICAL OR STRUCTURAL ELEMENTS SUCH AS THE CEILING SUPPORT SYSTEM, ELECTRICAL FIXTURES, ETC. "NORMAL MAINTENANCE" INCLUDES, BUT IS NOT LIMITED TO: FILTER CHANGING; GREASING OF BEARINGS; USING P/T PORTS FOR PRESSURE OR TEMPERATURE MEASUREMENTS; SERVICING CONTROL VALVES AND SERVICING CONTROL PANELS.

14. ISOLATE ALL PRESSURIZED PIPING WATER BRANCHES FOR EACH RISER, BRANCH LINE OF EQUIPMENT AND AREA SERVED.

15. NO DOMESTIC WATER LINES SHALL BE LOCATED EXPONED IN FINISHED SPACES OR BELOW THE BUILDING SLAB UNLESS SHOWN OTHERWISE ON THE DRAWINGS.

16. SANITARY VENTS, ETC. SHALL BE COMPATIBLE WITH ROOFING SYSTEM TO BE PROVIDED. REFERENCE ARCHITECTURAL DRAWING FOR REQUIRED FLASHING DETAILS.

17. REPAIR ALL ACCIDENTAL OR INTENTIONAL DAMAGE TO MATCH EXISTING CONSTRUCTION WITH NO NOTICEABLE DIFFERENCE IN CONTINUITY, APPEARANCE OR FUNCTION.

18. SUBMIT EQUIPMENT CUT SHEETS AND CONTROL DIAGRAMS FOR REVIEW AND RECORD. SUBMITTALS MUST BE REVIEWED AND NOT REJECTED BEFORE WORK BEGINS. MANUFACTURER LISTED IS BASIS OF DESIGN. ANY SUBSTITUTIONS MAY BE OFFERED DURING THE SUBMITTAL PHASE. JUDGMENT OF EQUIVALENCY SHALL BE MADE BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING CLEARANCE, DIMENSIONS, ELECTRICAL AND OTHER UTILITY REQUIREMENTS AND CONNECTIONS TO OTHER WORK.

19. QUALITY CONTROL:

A. QUALIFICATION OF PRODUCTS: WHEN PRODUCTS ARE SPECIFIED BY MANUFACTURER AND MODEL NUMBER, EQUIVALENT PRODUCTS BY OTHER MANUFACTURERS LISTED MAY BE PROVIDED. PRODUCT EQUIVALENCY SHALL BE DETERMINED BY ENGINEER.

B. IF A PRODUCT SUBMITTED AS AN EQUIVALENT IS DEEMED UNACCEPTABLE TO THE ENGINEER, THE SPECIFIED PRODUCT SHALL BE PROVIDED AT NO EXTRA COST TO THE PROJECT.

C. SUBMITTALS SHALL INCLUDE REVISED AND SUPPLEMENTED CONTROL DIAGRAMS

D. SUBMIT CUT SHEETS ON ALL OF THE SPECIFIED EQUIPMENT.

20. THE ARCHITECT OR ENGINEER SHALL ACCEPT ALL SUBMITTALS AND RESPOND TO ALL QUESTIONS DURING CONSTRUCTION. THE ARCHITECT OR ENGINEER SHALL REVIEW ALL SUBMITTALS AND PREPARE ANY REQUIRED CLARIFICATIONS DURING CONSTRUCTION. IT IS RECOGNIZED THAT SUBMITTALS ARE MADE FOR THE ARCHITECT'S AND ENGINEER'S INFORMATION AND RECORD ONLY.

21. CONTRACTOR SHALL CREATE A LOG SHEET FOR REQUIRED TESTS. THE LOG SHEET WILL HAVE A COLUMN FOR REQUIRED TESTS, A COLUMN FOR ACCEPTANCE OF TEST, A COLUMN FOR REMARKS, AND A COLUMN FOR APPROVAL SIGNATURE.

22. CONTRACTOR SHALL CREATE A LOG SHEET REQUIRED TRAINING. THE LOG SHEET WILL HAVE A COLUMN FOR THE TRAINED TIME, A COLUMN FOR THE TIME, DATE AND DURATION OF THE TRAINING, AND A COLUMN FOR ACCEPTANCE OF TRAINING BY OWNER, ARCHITECT, OR ENGINEER.

23. AFTER INSTALLATION OF SYSTEM, PERFORM AN OPERATIONAL TEST IN THE PRESENCE OF THE OWNER, ARCHITECT OR ENGINEER. THIS TEST WILL CONSIST OF SUCCESSFULLY DEMONSTRATING:

A. APPEARANCE OF INSTALLATION.

B. FUNCTION OF ALL CONTROLS.

C. IF THE TEST IS NOT SUCCESSFUL IN THE OPINION OF THE ARCHITECT, DEFICIENCIES WILL BE REMEDIED AND THE SYSTEM WILL BE RE-TESTED UNTIL THE TEST IS SUCCESSFUL. SECOND AND SUBSEQUENT TESTS WILL RESULT IN THE CONTRACTOR'S CONTRACT PAYMENT BEING REDUCED AN AMOUNT EQUAL TO 85 DOLLARS TIMES THE NUMBER OF ADDITIONAL HOURS SPENT BY THE ARCHITECT OR ENGINEER WITNESSING THE TEST. THE OWNER SHALL PAY THIS AMOUNT TO THE ARCHITECT.

24. WHEN NEW MECHANICAL SYSTEMS ARE USED FOR TEMPORARY VENTILATION OR CLIMATE CONTROL, MECHANICAL SYSTEM INSTALLER SHALL PROVIDE CONSTRUCTION FILLS, MAINTAIN EQUIPMENT, AND CLEAN, ADJUST AND PUT IN NEW CONDITION BEFORE BUILDING OCCUPANCY. PARTS AND LABOR WARRANTY SHALL NOT BE CONSIDERED TO START UNTIL ACCEPTANCE OF SYSTEM BY OWNER.

25. PIPING:

A. PIPE INSTALLATION:

(1) ALL PIPING SHALL BE ADEQUATELY SUPPORTED FROM THE BUILDING STRUCTURE TO PREVENT SAGGING, POCKETING, SWAYING OR DISPLACEMENT BY MEANS OF HANGERS AND SUPPORTS. PIPING IS NOT TO BE SUPPORTED BY EQUIPMENT.

(2) PROVIDE DIELECTRIC UNIONS BETWEEN DISSIMILAR MATERIALS.

(3) PROVIDE MANUAL AIR VENTS AND CAPPED HOSE-END DRAMS WITH ISOLATION VALVES AT PIPING HIGH AND LOW POINTS.

(4) WELD PIPE IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS. WELDERS SHALL BE CERTIFIED FOR TYPE OF WORK BEING PERFORMED.

(5) FLUSH OUT PIPING AND REMOVE CONTROL DEVICES BEFORE PERFORMING PRESSURE TEST. DO NOT USE PIPING SYSTEM VALVES TO ISOLATE SECTIONS WHERE TEST PRESSURE EXCEEDS VALVE PRESSURE RATING. PRESSURIZE PIPING AT 100 PSIG. IF LEAKAGE IS OBSERVED OR IF TEMPERATURE COMPENSATED PRESSURE DROP EXCEEDS 1% OF TEST PRESSURE, REPAIR LEAKS AND RE-TEST. DO NOT USE AIR PRESSURE TO TEST PLASTIC PIPE.

( NOT ALL SYMBOLS LISTED BELOW ARE BEING USED IN THIS SET OF MECHANICAL DRAWINGS )

| SYMBOL    | ABBR  | DESCRIPTION                                | SYMBOL | ABBR | DESCRIPTION                          | SYMBOL          | ABBR       | DESCRIPTION                                             |
|-----------|-------|--------------------------------------------|--------|------|--------------------------------------|-----------------|------------|---------------------------------------------------------|
| HVAC:     |       |                                            |        |      |                                      |                 |            |                                                         |
|           |       | DIFFUSER—4-WAY THROW                       |        | (XX) | EXISTING PIPING                      |                 | TCV        | AUTOMATIC TEMP. CONTROL VALVE, 2-WAY                    |
|           |       | DIFFUSER—3-WAY THROW                       |        | HWS  | HEATING WATER SUPPLY                 |                 | TCV        | AUTOMATIC TEMP. CONTROL VALVE, 3-WAY                    |
|           |       | DIFFUSER—2-WAY THROW                       |        | HWR  | HEATING WATER RETURN                 |                 | TPR        | TEMPERATURE/PRESSURE RELIEF VALVE                       |
|           | RA    | RETURN AIR GRILLE                          |        | CHWS | CHILLED WATER SUPPLY                 |                 |            | VALVE IN RISER                                          |
|           |       | RETURN OR EXHAUST DUCT UP                  |        | CHWR | CHILLED WATER RETURN                 |                 |            |                                                         |
|           |       | SUPPLY DUCT UP                             |        | CWS  | CONDENSER WATER SUPPLY               |                 |            |                                                         |
|           |       | SUPPLY DUCT DOWN                           |        | CWR  | CONDENSER WATER RETURN               | PLUMBING EQUIP. |            |                                                         |
|           |       | RETURN OR EXHAUST DUCT DOWN                |        | HTWS | HIGH TEMP. HOT WATER SUPPLY          |                 | HB<br>FBWH | HOSE BIBB, FREEZE PB, ROOF WALL HYDRANT                 |
|           |       | ROUND DUCT DOWN                            |        | HTWR | HIGH TEMP. HOT WATER RETURN          |                 | VB         | VACUUM BREAKER                                          |
|           |       | ROUND DUCT UP                              |        | LPS  | LOW PRESSURE STEAM                   |                 | RD         | ROOF DRAIN                                              |
|           |       | FLEXIBLE DUCT CONNECTION                   |        | LPR  | LOW PRESSURE CONDENSATE              |                 | OD         | OVERFLOW ROOF DRAIN                                     |
|           |       | VANED ELBOW                                |        | RS   | REFRIGERANT SUCTION                  |                 | DSN        | DOWNSPOUT NOZZLE                                        |
|           | MVD   | MANUAL VOLUME DAMPER WITH LOCKING QUADRANT |        | RL   | REFRIGERANT LIQUID                   |                 | SA         | SHOCK ARRESTER                                          |
|           | MD    | MOTORIZED DAMPER                           |        | RHG  | REFRIGERANT HOT GAS                  |                 | FD         | FLOOR DRAIN                                             |
|           |       | EXISTING DUCTWORK NO CHANGE                |        | T    | TEMPERED WATER                       |                 | GCO        | CLEANOUT GRADE                                          |
|           |       | EXISTING DUCTWORK TO BE REMOVED            |        | CW   | DOMESTIC COLD WATER                  |                 | FCO        | CLEANOUT FLOOR                                          |
|           | FD    | FIRE DAMPER (INDICATES RATING)             |        | HW   | DOMESTIC HOT WATER                   |                 | CO         | CLEANOUT WALL                                           |
|           | FS    | FIRE SMOKE RATING)                         |        | HWC  | DOMESTIC HOT WATER                   |                 | M          | METER: GAS, (G) OR WATER, (W)                           |
|           |       | LOW PRESSURE FLEXIBLE DUCT                 |        | AW   | ACID WASTE                           |                 | VTR        | PLUMBING VENT THRU ROOF                                 |
|           |       | 45 DEG TAKEOFF                             |        | AD   | ACID VENT                            |                 | STR        | STRAINER W/ BLOW-OFF VALVE & CAPPED HOSE-END CONNECTION |
|           |       | 45 DEG TAKEOFF W/ MANUAL VOLUME DAMPER     |        | PD   | PERIMETER DRAIN PIPE                 |                 |            | EXISTING SPRINKLER HEAD TO REMAIN                       |
| FITTINGS: |       |                                            |        |      |                                      |                 |            |                                                         |
|           | CR    | CONCENTRIC REDUCER                         |        | SAN  | SANITARY WASTE ABOVE FLOOR           |                 |            | EXISTING SPRINKLER HEAD TO BE RELOCATED                 |
|           | P & T | PRESSURE/TEMPERATURE PORT TAPS             |        | SAN  | SANITARY WASTE BELOW FLOOR           |                 |            | EXISTING SPRINKLER HEAD TO NEW LOCATION                 |
|           | ER    | ECCENTRIC REDUCER                          |        | V    | SANITARY VENT                        |                 |            | NEW SPRINKLER HEAD TO MATCH EXISTING                    |
|           | U     | UNION                                      |        | ST   | STORM                                |                 | PV         | POST INDICATOR VALVE                                    |
|           | AC    | ALIGNMENT GUIDE                            |        | ST   | STORM BELOW FLOOR                    |                 |            | SECTION NO. SECTION VIEW SHEET NO.                      |
|           | FC    | FLEXIBLE PIPE CONNECTOR                    |        | OF   | STORM OVERFLOW                       |                 |            | SECTION PLAN VIEW SHEET NO.                             |
|           |       | THERMOMETER W/THERMOWELL                   |        | F    | FIRE                                 |                 | F-1        | PLUMBING RISER OR DETAIL DESIGNATION                    |
|           |       |                                            |        | G    | NATURAL GAS                          |                 |            | EQUIPMENT DESIGNATION                                   |
|           |       |                                            |        | O    | NAT. GAS OUTLET                      |                 |            | SHEET NOTE                                              |
|           |       |                                            |        | VAC  | VACUUM                               |                 | POC        | POINT OF CONN. (CONN. NEW TO EXISTING)                  |
|           |       |                                            |        | A    | VACUUM OUTLET COMPRESSED AIR         |                 |            | AIR DEVICE CALL OUT TYP. OF (X) DEVICES.                |
|           |       |                                            |        | MA   | COMPRESSED AIR                       |                 |            |                                                         |
|           |       |                                            |        | NO   | MEDICAL AIR                          |                 |            |                                                         |
|           |       |                                            |        | DR   | MED AIR OUTLET                       |                 |            |                                                         |
|           |       |                                            |        | RD   | NITROUS OXIDE                        |                 |            |                                                         |
|           |       |                                            |        | RD   | EQUIPMENT DRAIN                      |                 |            |                                                         |
|           |       |                                            |        | RD   | ELBOW UP                             |                 |            |                                                         |
|           |       |                                            |        | RD   | ELBOW DOWN                           |                 |            |                                                         |
|           |       |                                            |        | RD   | TEE UP                               |                 |            |                                                         |
|           |       |                                            |        | RD   | TEE DOWN                             |                 |            |                                                         |
|           |       |                                            |        | RD   | PIPE CAP OR PLUG                     |                 |            |                                                         |
|           |       |                                            |        | RD   | ROOF DRAIN LINE ABOVE FLOOR          |                 |            |                                                         |
|           |       |                                            |        | RD   | ROOF DRAIN LINE BELOW FLOOR          |                 |            |                                                         |
|           |       |                                            |        | RD   | OVERFLOW ROOF DRAIN LINE ABOVE FLOOR |                 |            |                                                         |
|           |       |                                            |        | RD   | OVERFLOW ROOF DRAIN LINE BELOW FLOOR |                 |            |                                                         |
|           |       |                                            |        | RD   | ROOF DRAIN LINE TEMPORARY            |                 |            |                                                         |
|           |       |                                            |        | GV   | GATE VALVE                           |                 |            |                                                         |
|           |       |                                            |        | CV   | CHECK VALVE                          |                 |            |                                                         |
|           |       |                                            |        | PRV  | PRESSURE REDUCING VALVE              |                 |            |                                                         |
|           |       |                                            |        | BV   | BALL VALVE                           |                 |            |                                                         |

| MARK | MANUFACTURER/<br>MODEL NO. | SERVICE | LOCATION   | TYPE        | CFM | ESP<br>(IN) | DRIVE  | SONES<br>(MAX) | RPM  | ELECTRICAL |      |    | REMARKS |
|------|----------------------------|---------|------------|-------------|-----|-------------|--------|----------------|------|------------|------|----|---------|
|      |                            |         |            |             |     |             |        |                |      | HP         | VOLT | PH |         |
| EF-1 | GREENHECK / SQ-80-D        | EXHAUST | STORAGE RM | CENTRIFUGAL | 275 | 0.38        | DIRECT | 7              | 1550 | 1/12       | 115  | 1  | A,B,C,D |

1. DRIVE TYPE: D=DIRECT-PROVIDE RHEOSTAT SPEED CONTROLLER IN FAN HOUSING UNLESS OTHERWISE NOTED  
2. FAN CFM VALUE IS ACTUAL AT ALTITUDE. MOTOR HP HAS BEEN ADJUSTED TO SEA LEVEL CONDITIONS FOR OPERATION AT JOBSITE ELEVATION. JOBSITE ELEVATION= 5312 FT.

- A. UNIT TO OPERATE FROM LIGHT SWITCH.
- B. MOUNT FANS PER MANUFACTURERS RECOMMENDATIONS.
- C. PROVIDE SPEED CONTROLLER.
- D. PROVIDE GRAVITY BACKDRAFT DAMPER.

| PIPING SYSTEM       | INSULATION TYPE | JACKET TYPE | VAPOR BARRIER<br>MASTIC | PIPE INSULATION THICKNESS (INCHES)<br>NOMINAL PIPE DIAMETER (INCHES) |              |              |         | REMARKS |
|---------------------|-----------------|-------------|-------------------------|----------------------------------------------------------------------|--------------|--------------|---------|---------|
|                     |                 |             |                         | 1/2" TO 1"                                                           | 1 1/4" TO 2" | 2 1/2" TO 4" | 5" & UP |         |
| DOMESTIC COLD WATER | FIBERGLASS      | ALL SERVICE | YES                     | 1                                                                    | 1            | 1            | 1       |         |
| DOMESTIC HOT WATER  | FIBERGLASS      | ALL SERVICE | YES                     | 1                                                                    | 1            | 1            | 1       |         |

| MARK | MANUFACTURER/<br>MODEL NO. | LOCATION | SERVICE | TYPE   | ACCESSORIES | FACE SIZE | REMARKS |
|------|----------------------------|----------|---------|--------|-------------|-----------|---------|
| A    | KRUEGER / 1300 SERIES      | WALL     | EXHAUST | GRILLE | ---         | SEE DRWGS | ---     |

1. SEE PLANS FOR CFM AND NECK SIZE.
2. MAXIMUM NOISE CRITERIA (NC) SHALL BE 20 UNLESS OTHERWISE NOTED.
3. COLOR IS OFF WHITE UNLESS OTHERWISE NOTED.
4. MATERIAL IS STEEL UNLESS OTHERWISE NOTED.

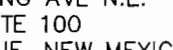
| MARK | MANUF. /<br>MODEL | LOCATION | SIZE<br>(W"X"H") | DEPTH | MINIMUM FREE<br>AREA (SF) | AIR FLOW | MOTORIZED<br>DAMPER | REMARKS |
|------|-------------------|----------|------------------|-------|---------------------------|----------|---------------------|---------|
| L-1  | RUSKIN / ELF375   | SEE DWG  | 16x16            | 4     | 0.4                       | 275      | NO                  | A-C     |

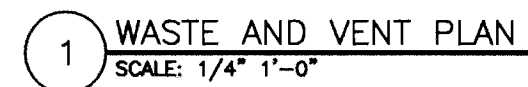
A. PROVIDE BIRD SCREEN.  
B. COLOR OF LOUVER TO BE SELECTED BY ARCHITECT.  
C. INSTALL PER MANUFACTURERS INSTRUCTION.

| CODE  | MANUFACTURER/<br>MODEL NO. | GPM | RECOVERY<br>(100 F RISE) | KW  | ELEC. |    |     | REMARKS |
|-------|----------------------------|-----|--------------------------|-----|-------|----|-----|---------|
|       |                            |     |                          |     | VOLT  | PH | MCA |         |
| TWH-1 | STIEBEL ELTRON / DHC 3-1   | 0.5 | 45                       | 3   | 120   | 1  | 30  | A       |
| TWH-2 | STIEBEL ELTRON / DHC 3-1   | 0.5 | 45                       | 3   | 120   | 1  | 30  | A       |
| TWH-3 | STIEBEL ELTRON / DHC 3-2   | 1   | 30                       | 3.3 | 240   | 1  | 25  | A       |

A. MOUNT UNIT PER MANUFACTURER INSTRUCTIONS.

| ENGINEER'S SEAL                                                                                 |  |  |  | SURVEY INFORMATION |    | BENCH MARKS                           |                                               | AS-BUILT INFORMATION                    |                   |
|-------------------------------------------------------------------------------------------------|--|--|--|--------------------|----|---------------------------------------|-----------------------------------------------|-----------------------------------------|-------------------|
| <div></div> |  |  |  | FIELD NOTES        |    | STD. ACS BRASS TABLET STAMPED "1-K13" |                                               | CONTRACTOR <u>A-S. KOPPEL</u>           |                   |
|                                                                                                 |  |  |  | NO.                | BY | DATE                                  | SET IN TOP OF A CONCRETE POST, APPROX. 0.2 FT | WORK ORDER BY <u>PRECISION SURVEY</u>   | DATE <u>07-08</u> |
|                                                                                                 |  |  |  |                    |    |                                       | BELOW TURF. THE STATION IS THEN 0.7 FT WEST   | INSPECTOR'S ACCEPTANCE BY <u>C. OPA</u> | DATE <u>10-08</u> |
|                                                                                                 |  |  |  |                    |    |                                       | OF THE WEST CURB ON EIGHTH STREET, AND IS     | VERIFICATION BY <u>PRECISION SURVEY</u> | DATE <u>10-08</u> |
|                                                                                                 |  |  |  |                    |    | APPROX. 225' SOUTH OF STOVER AVE.     | DRAWINGS CORRECTED BY <u>PRECISION SURVEY</u> |                                         | DATE <u>10-08</u> |
|                                                                                                 |  |  |  |                    |    | ELEVATION = 4944.03 FT.               | MICRO-FILM INFORMATION                        |                                         |                   |
|                                                                                                 |  |  |  |                    |    |                                       | RECORDED BY                                   |                                         | DATE              |
|                                                                                                 |  |  |  |                    |    |                                       | NO.                                           |                                         |                   |
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| <br><b>WILSON<br/>&amp; COMPANY</b><br>4900 LANG AVE. N.E.<br>SUITE 100<br>ALBUQUERQUE, NEW MEXICO<br>87109<br>(505) 348-4000<br>FAX (505) 348-4072<br><a href="http://www.wilsonco.com">www.wilsonco.com</a> | <br>CITY OF ALBUQUERQUE<br>DEPARTMENT OF MUNICIPAL<br>DEVELOPMENT |                            | <h2 style="margin: 0;">TINGLEY PARK RECONSTRUCTION</h2> <h1 style="margin: 0;">GENERAL NOTES AND LEGEND</h1>                                                                                                                                                                                                                                                                                                                                                                                          |                    |             |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <br><b>TERRA CREATAS</b><br>Landscape Architecture<br>4300 Broad St. NE, Albuquerque, NM 87109<br>205.681.7068                                                                                                | Design Review Committee<br>                                       | City Engineer Approval<br> | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center; vertical-align: middle;">Last Design Update</td> <td style="width: 30%; text-align: center;">Mo./Day/Yr.</td> <td style="width: 30%; text-align: center;">Mo./Day/Yr.</td> </tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> </table> | Last Design Update | Mo./Day/Yr. | Mo./Day/Yr. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Last Design Update                                                                                                                                                                                                                                                                                 | Mo./Day/Yr.                                                                                                                                            | Mo./Day/Yr.                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |             |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| City Project No.<br><h2 style="margin: 0;">7963.91</h2>                                                                                                                                                                                                                                            | Zone Map No.<br><h2 style="margin: 0;">K-13</h2>                                                                                                       | Sheet                      Of<br><h2 style="margin: 0;">M-001</h2>                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |             |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



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