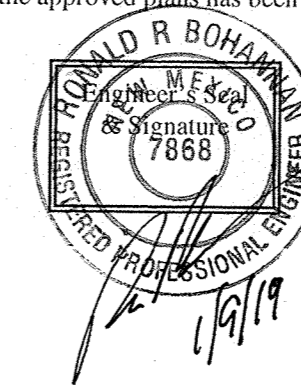




- 1 TITLE SHEET
- 2 PLAT (FOR REFERENCE ONLY)
- 3 DEMOLITION PLAN
- 4 STORM DRAIN & UTILITY IMPROVEMENTS  
ATRISCO DR, N.E., STA 10+62.41 TO 15+99.55
- 5 PAVING IMPROVEMENTS  
ATRISCO DR, N.E., STA 10+52.49 TO 16+12.41
- 6 TEMPORARY EROSION CONTROL & SEDIMENTATION PLAN
- 7 TEMPORARY EROSION CONTROL & SEDIMENTATION DETAILS

B - 10 GR-1 TO GR-3 GRADING & DRAINAGE PLAN (FOR REF ONLY)

I, Ronald R. Bohannon, of the firm of Tierra West LLC, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Planning Department and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings.



**TIERRA WEST, LLC**  
5571 MIDWAY PARK PLACE NE  
ALBUQUERQUE, NEW MEXICO 87109  
505-858-3100  
[www.tierrawestllc.com](http://www.tierrawestllc.com)

[illegible]

The map is a detailed zoning and land use plan for the West Bluff area. It features several labeled zones: SU-1 OFF, SU-1C2 USES, SU-1C3 CHURCH, SU-1P USES, and SU-1C3. Key landmarks and streets include West Bluff Park, West Bluff Plaza, West Bluff Church, and West Bluff Plaza. A large area is shaded and labeled 'SITE'. The map also shows the intersection of West Bluff and West Bluff Plaza, and the location of the West Bluff Park. A north arrow is located in the bottom right corner.

1-11-Z

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION (UPDATE #9). CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO EXISTING ROADWAY AND UTILITY FACILITIES RESULTING FROM ACTIVITIES PERFORMED UNDER THE CONTRACT FOR IMPROVEMENTS DETAILED ON THESE PLANS.

2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.

3. ANY WORK AFFECTING AN ARTERIAL ROADWAY MAY REQUIRE 24-HOUR CONSTRUCTION.

4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

5. SEVEN (7) WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO(2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO STANDARD SPECIFICATIONS.

6. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY THE CONTRACTOR TO THE SAME LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.

7. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT TO CONFORM TO THE NEW ROADWAY UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS. ANY PERMANENT SURVEY MONUMENT LOCATED WITHIN 50' OF THIS PROJECT THAT IS NOT SHOWN ON THE PLAN AND IS DESTROYED DURING CONSTRUCTION WILL BE REPLACED AT THE DESIGNERS EXPENSE.

8. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.

9. FOR STORM DRAIN CONSTRUCTION, RCP PIPE JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.

10. ALL UTILITY WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH ABCWUA SPECIFICATIONS FOR WATER AND WASTEWATER FACILITIES (MOST RECENT REVISIONS).

11. THE CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT THE PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALLS. SHUTOFF REQUESTS MUST BE MADE ONLINE AT [http://abovua.org/water\\_shut\\_off\\_and\\_turn\\_on\\_procedures](http://abovua.org/water_shut_off_and_turn_on_procedures)

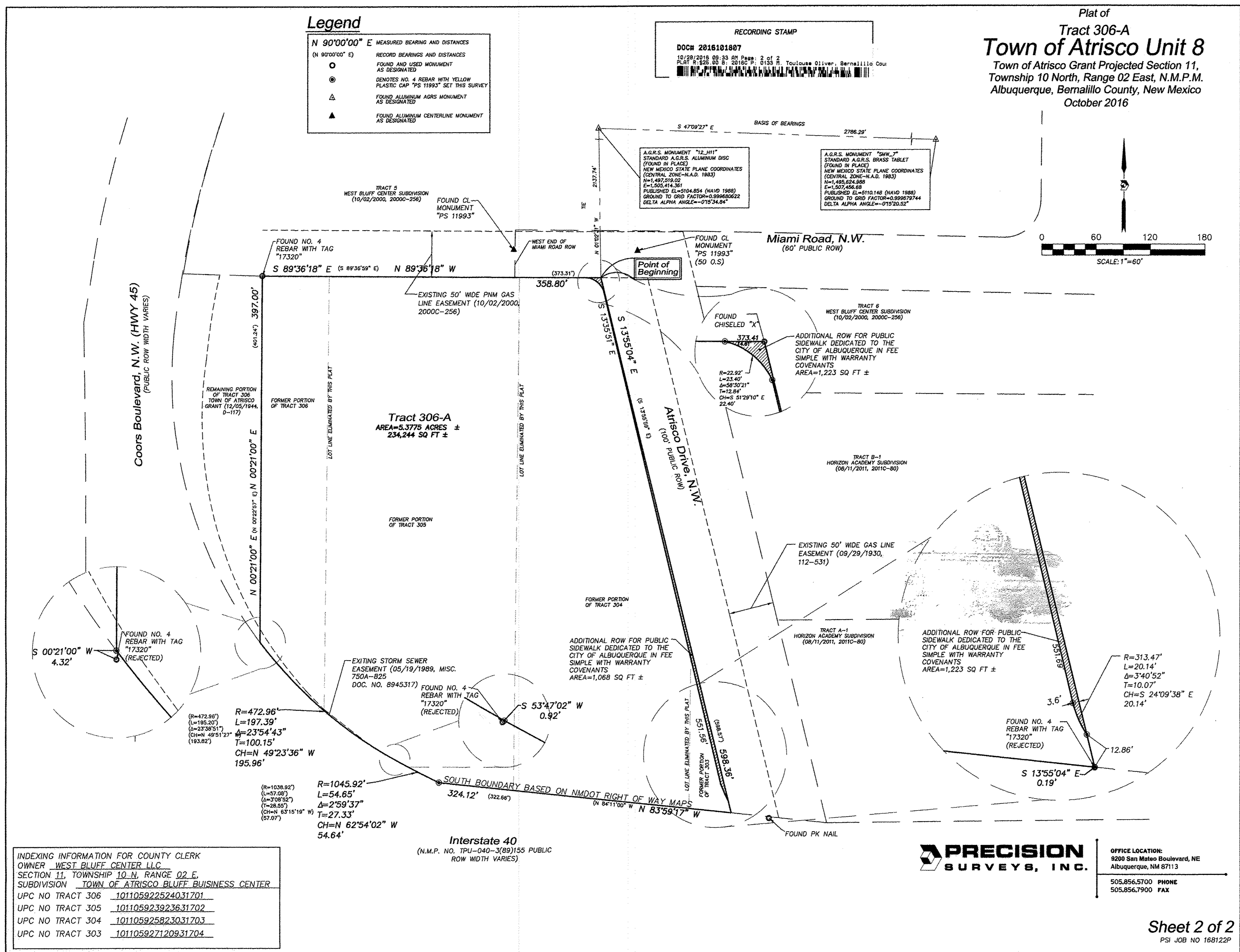
12. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

13. ELECTRONIC MARKER DEVICES (EMS) WILL BE PLACED ACCORDING TO SECTION 170 OF THE COA STANDARD SPECIFICATIONS.

14. CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNING UNTIL PROJECT HAS BEEN ACCEPTED BY THE COA.

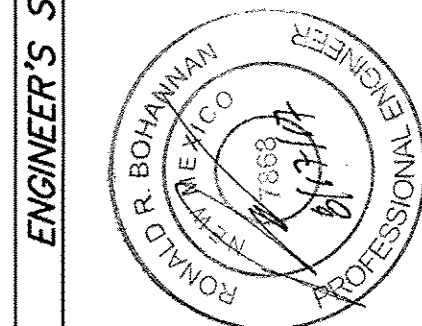
THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

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



FOR REFERENCE ONLY

RECORD DRAWINGS	
TERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505)856-3100 www.tierawestllc.com	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: U-HAUL • WEST BLUFF PLAT	
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL
MO./DAY/YR.	MO./DAY/YR.
CITY PROJECT NO. 780382	ZONE MAP NO. H-11-Z
SHEET 2	OF 10



REVISIONS	REMARKS	BY
DESIGN		
NO.	DATE	
1	2/15/2017	
2	2/15/2017	
3	2/15/2017	
4	2/15/2017	
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99	2/15/2017	
100	2/15/2017	

AS BUILT INFORMATION	BENCH MARKS	SURVEY INFORMATION	FIELD NOTES
CONTRACTOR T.L. FLOWERS STAKED BY: STEVEN J. COOK INSPECTED BY: ALAN J. COOK DATE: 2/20/16 FIELD VERIFICATION BY: ALAN J. COOK DATE: 2/20/16 CORRECTED BY: TULLY DATE: 2/20/16 MICRO-FILM INFORMATION RECORDED BY: NO. DATE: NO.	STANDARD A.G.R.S. ALUMINUM DISC (FOUND IN PLACE) A.G.R.S. MONUMENT "12-HIT" NM STATE PLANE COORDINATES CENTRAL ZONE-NAD 1983 X=1,505,414.361 Y=1,497,519.02 G-G=0.99980022 Dg=0°15'34.84" Elev=5104.854 (NAVD83)	NO. BY DATE	NO. BY DATE



1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985, THROUGH UPDATE 9.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 811, FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONNECTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE.
6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.

1. REMOVAL OF EXISTING CURB & GUTTER SHALL BE TO THE NEAREST JOINT.
2. ANY DAMAGE TO THE EXISTING CURB & GUTTER, PAVEMENT, SIDEWALKS, STRIPING, AND SIGNAGE DURING CONSTRUCTION SHALL BE REPLACED.
3. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.
4. CURB AND GUTTER, SIDEWALKS, AND DRIVE PADS SHALL MATCH THE ELEVATIONS OF ABUTTING EXISTING AREAS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE PROJECT ENGINEER.
5. THE SUBGRADE PREP SHALL EXTEND ONE FOOT BEYOND THE FREE EDGE OF NEW CURB AND GUTTER AND SIDEWALK.
6. CONTRACTOR TO TEST SUBGRADE R-VALUE PRIOR TO CONSTRUCTION. IN THE EVENT THE R-VALUE IS LESS THAN 50, REMOVE 2 FEET OF SUBGRADE MATERIAL AND IMPORT MATERIAL WITH R-VALUE GREATER THAN 50 OR CONTACT THE ENGINEER IMMEDIATELY SO THE PAVEMENT SECTION CAN BE MODIFIED.
7. CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL EXISTING SURFACE FEATURES AND UTILITIES, UNLESS OTHERWISE SHOWN.
8. AT ALL PAVEMENT REMOVAL AND REPLACEMENTS, SAW-CUT EDGES SHALL BE STRAIGHT AND CLEAN, AND LONGITUDINAL JOINTS SHALL NOT BE PLACED WITHIN WHEEL PATHS. PATCHES SHALL BE REGULAR AND SQUARE OR RECTANGULAR, WITH FOUR STRAIGHT SIDES. FINISHED PAVEMENT SURFACE SHALL BE FLUSH WITH EXISTING PAVEMENT SURFACE, WITH NO SPILLOVER OF ASPHALT OR TACK COAT. CARE MUST BE TAKEN TO AVOID DAMAGING THE INTEGRITY OR APPEARANCE OF SURROUNDING PAVEMENTS; IF DAMAGED, THE ENTIRE SURFACE PATCH MUST BE EXPANDED TO COVER DAMAGES.









1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE OF ANY PROJECT.

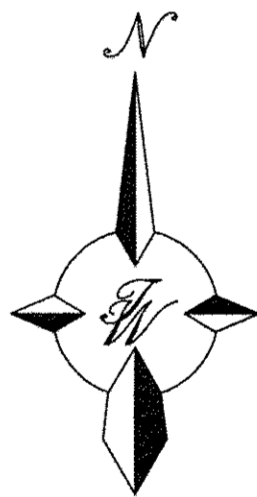
I, **Ronald R. Bohannon**, of the firm of **Tierra West LLC**, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Planning Department and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings.



ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM RESEARCH, AS-BUILTS, SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS, PRIOR TO STARTING THE WORK. ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.



- |   |                                 |
|---|---------------------------------|
|  | CURB & GUTTER                   |
|  | BOUNDARY LINE                   |
|  | EASEMENT                        |
|  | EXISTING CURB & GUTTER          |
|  | EXISTING BOUNDARY LINE          |
|  | EXISTING ASPHALT TO BE REMOVED  |
|  | EXISTING SIDEWALK TO BE REMOVED |
|  | SAWCUT                          |



GRAPHIC SCALE



## RECORD DRAWINGS

**TIERRA WEST, LLC**  
571 MIDWAY PARK PLACE NE  
ALBUQUERQUE, NM 87109  
(505)858-3100  
[www.tierrawestllc.com](http://www.tierrawestllc.com)

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING GROUP

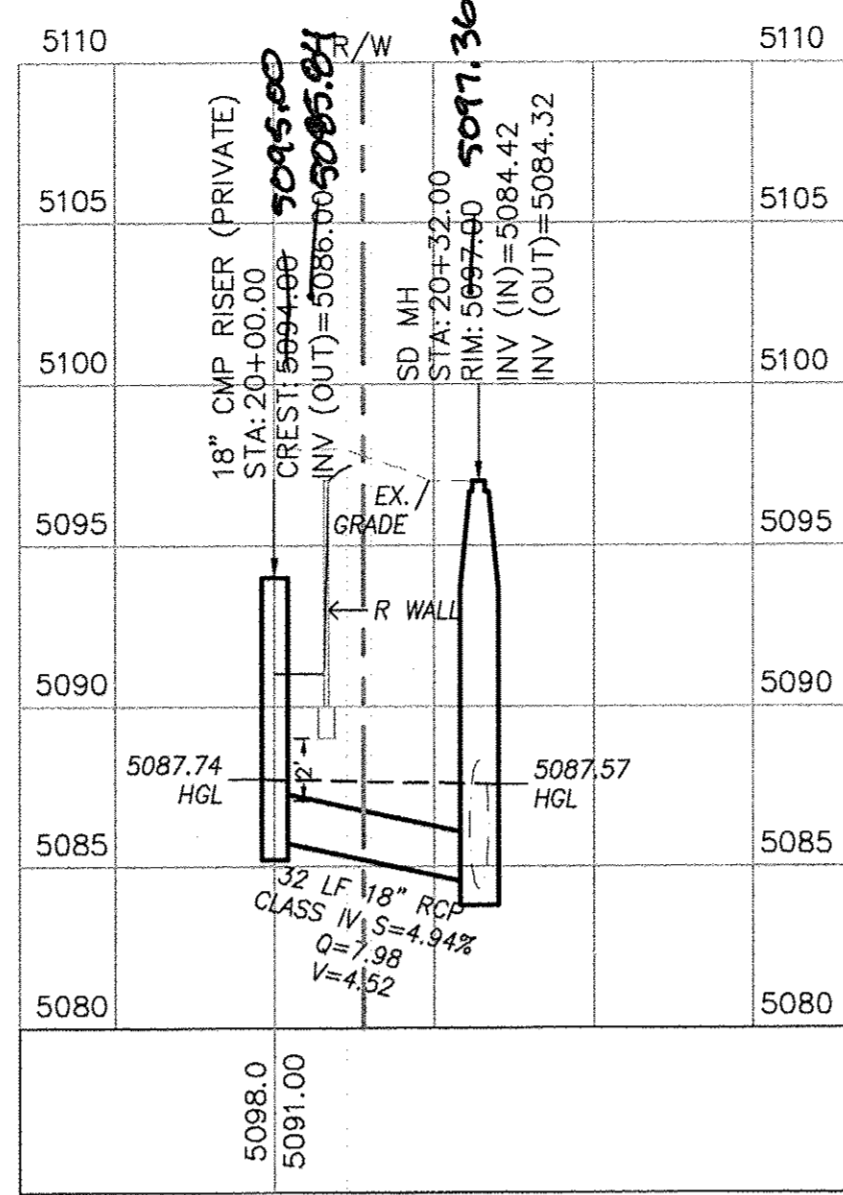
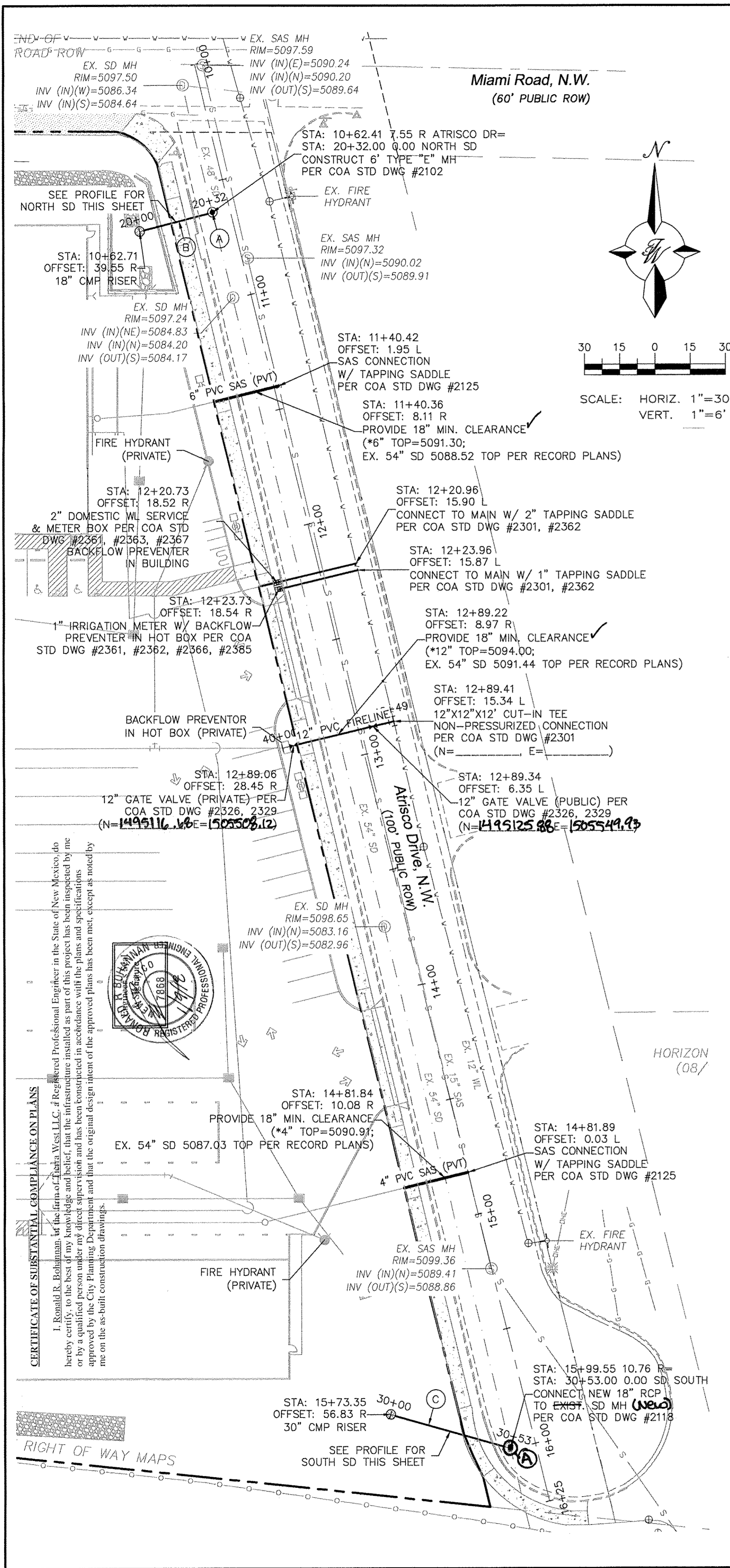
TITLE: **U-HAUL • WEST BLUFF**  
DEMOLITION PLAN  
ATRISCO DR: STA: 10+52.49 TO 16+09.78

DESIGN REVIEW COMMITTEE	CITY ENGINEER-APPROVAL		MO./DAY/YR.	MO./DAY/YR.
		LAST DESIGN UPDATE		

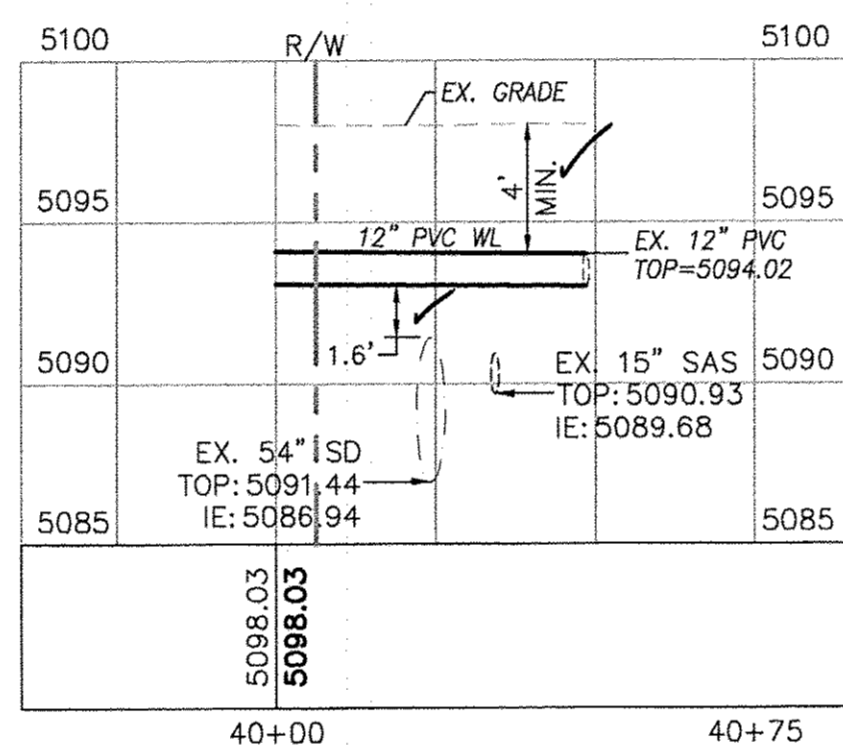
CITY PROJECT NO.	780382	ZONE MAP NO.	H-11-7	SHEET	3	OF	107
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STANDARD A.G.R.S. ALUMINUM DISC (FOUND IN PLACE)	BENCHMARK MARKS	AS BUILT INFORMATION
A.G.R.S. MONUMENT "12-H11"	CONTRACTOR-TLC PLUMBING	
NM STATE PLANE COORDINATES	WORK ORDER BY: <u>BOYD</u> DATE: <u>2018</u>	
CENTRAL ZONE -N.A.D. 1983	INSPECTORS: <u>ARQUETA, COVA</u> DATE: <u>2018</u>	
X=1,505,414.361	ACCEPTANCE BY: <u>TULL</u> DATE: <u>2018</u>	
Y=1,497,519.02	VERIFICATION BY: <u>ARQUETA, COVA</u> DATE: <u>2018</u>	
G-G=0.999680622	DRAWINGS CORRECTED BY: <u>TULL</u> DATE: <u>2018</u>	
Do=0'15"34.84"	MICRO-FILM INFORMATION	
Elw=5104.854 (NAVOD88)	RECORDED BY	DATE
	NO.	

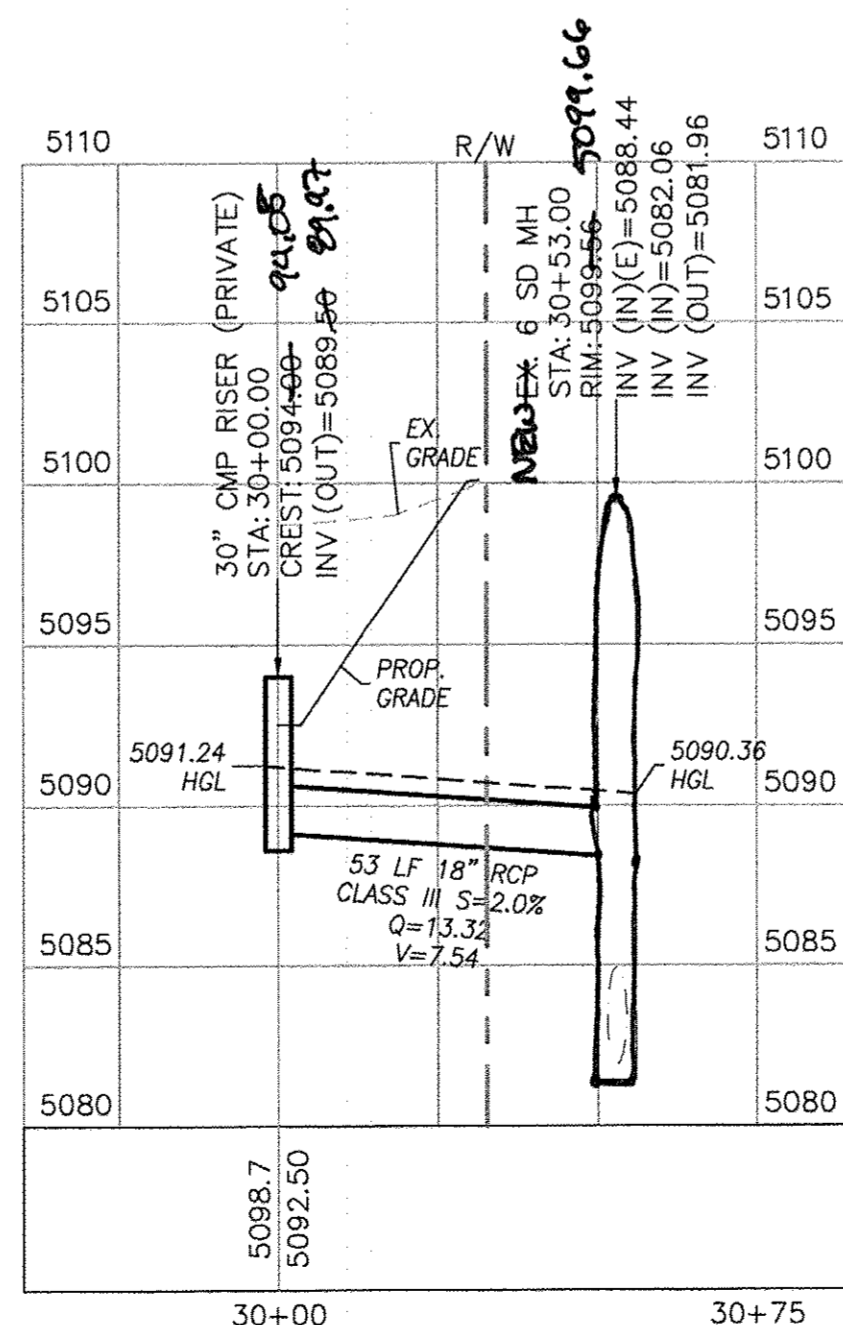
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NORTH SD PROFILE



12" PVC FIRELINE PROFILE



SOUTH SD PROFILE

NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 260-1990 (OR DIAL 811 LOCALLY), FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. BACK FILL COMPACTION SHALL BE ACCORDING TO RESIDENTIAL STREET USE.
6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
7. WORK ON ARTERIAL STREETS MAY BE PERFORMED ON A 24-HOUR BASIS.

KEYED NOTE:

- (A) 72" DIA. TYPE "E" MANHOLE PER COA STD DWG #2102
- (B) 18" CLASS IV RCP
- (C) 18" CLASS III RCP

NOTES:

1. ALL EXISTING UTILITY CONNECTION LOCATIONS AND INVERTS MUST BE FIELD VERIFIED PRIOR TO AND CONSTRUCTION OF UTILITIES.
2. ALL WATERLINES ARE C900 PVC (DR18) UNLESS OTHERWISE NOTED ON PLAN ELEVATION.
3. ALL METER BOXES PER COA STD DWG 2361, 2363, 2366, AND 2367.
4. ALL PRIVATE HYDRANTS TO BE PAINTED ORANGE.
5. TRACER WIRE SHALL BE INSTALLED OVER PROPOSED WATER AND SEWER LINES WITHIN PUBLIC RIGHT-OF-WAY.

GENERAL UTILITY NOTES:

1. ALL PUBLIC AND PRIVATE SAS AND WATER SHALL BE CONSTRUCTED PER ABCWUA STANDARDS AND SPECIFICATIONS INCLUDING UPDATE #9
2. 4' MINIMUM BURY REQUIRED FOR ALL UTILITIES UNLESS OTHERWISE NOTED.
3. REFERENCE PLUMBING PLANS FOR WATER LINE RISER LOCATIONS.
4. CLEAN OUTS ARE TO BE BUILT PER UNIFORM PLUMBING CODE STANDARDS.
5. ALL PLUMBING PIPE MATERIAL TO BE USED PER UPC.
6. IRRIGATION AND DOMESTIC WATERLINE MUST HAVE BACKFLOW PREVENTORS PER UPC. IF BACKFLOW PREVENTOR IS INSTALLED EXTERIOR OF BUILDING A HOT BOX SHALL BE INSTALLED AND USED.
7. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
8. ALL UTILITY DISTANCES SHOWN ARE FOR REFERENCE ONLY.
9. PNM HAS NUMEROUS ELECTRIC FACILITIES AT THIS SITE CURRENTLY SERVING EXISTING CUSTOMERS. THE APPLICANT SHALL COORDINATE WITH PNM REGARDING THESE EXISTING FACILITIES. ANY RELOCATION, CHANGES OR REALIGNMENT OF EXISTING ELECTRIC UTILITIES WILL BE THE DEVELOPER EXPENSE. IN SOME CASES, RELOCATION OR CHANGES TO EXISTING FACILITIES MAY NOT BE FEASIBLE DUE TO PHYSICAL USE OR SAFETY CLEARANCE CONSTRAINTS.
10. PNM WILL REVIEW ALL TECHNICAL NEEDS, ISSUES AND SAFETY CLEARANCES FOR ITS ELECTRIC POWER SYSTEMS. ANY EXISTING AND PROPOSED PUBLIC UTILITY EASEMENTS SHALL BE INDICATED ON THE SITE PLAN UTILITY SHEET.
11. SCREENING SHALL BE DESIGNED TO ALLOW FOR ACCESS TO UTILITY FACILITIES. IT IS NECESSARY TO PROVIDE ADEQUATE CLEARANCE OF TEN FEET SURROUNDING ALL GROUND-MOUNTED UTILITIES FOR SAFE OPERATION, MAINTENANCE AND REPAIR PURPOSES.
12. CONTRACTOR SHALL POTHOLE AND LOCATE ALL UTILITY POINTS OF CONNECTION A MINIMUM OF 10 WORKING DAYS PRIOR TO SCHEDULED UTILITY WORK AND CONTACT ENGINEER OF ANY DIFFERENCE FROM DESIGN VERTICAL OR HORIZONTAL LOCATION.
13. RCP SHALL BE INSTALLED SO THAT THE JOINT CAP AT THE HOME POSITION SHALL CONFORM TO THE APPROVED MANUFACTURER'S RECOMMENDATIONS. MANUFACTURER'S RECOMMENDED JOINT GAP TOLERANCES FOR EACH PIPE SIZE AND TYPE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO PLACEMENT OF PIPE. RCP JOINTS SHALL NOT BE GROUTED UNLESS DIRECTED BY THE ENGINEER AFTER CITY APPROVAL.

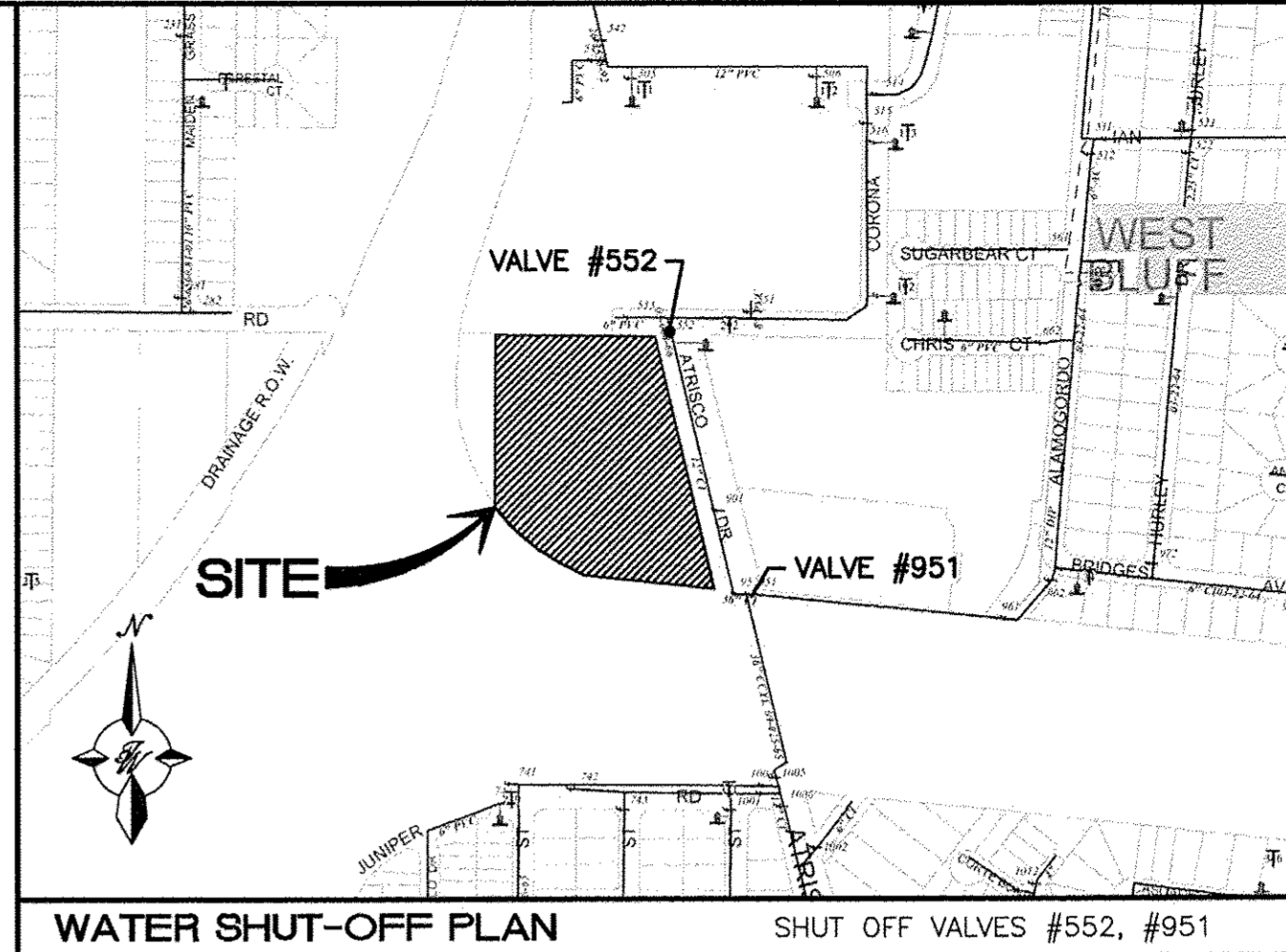
WL TABLE

SIZE	STATION	SERVICE	COORDINATES
2"	12+20.73	SINGLE	X=1505501.03, Y=1495188.72
1"	12+23.73	SINGLE	X=1505501.73, Y=1495185.80
12"	12+89.07	SINGLE	X=1505509.33, Y=1495120.37

GRAVITY SAS LATERAL TABLE (PER ABCWUA DWG 2125)

SIZE	STATION*	LF	INV.*	ELEV. @ PL	COORDINATES
6"	11+40.26	28	5091.91	5097.87	X=1505474.34, Y=1495265.01
4"	14+81.74	28	5091.56	5099.00	X=1505554.63, Y=1494933.10

\* @ END OF SERVICE LINE



LEGEND

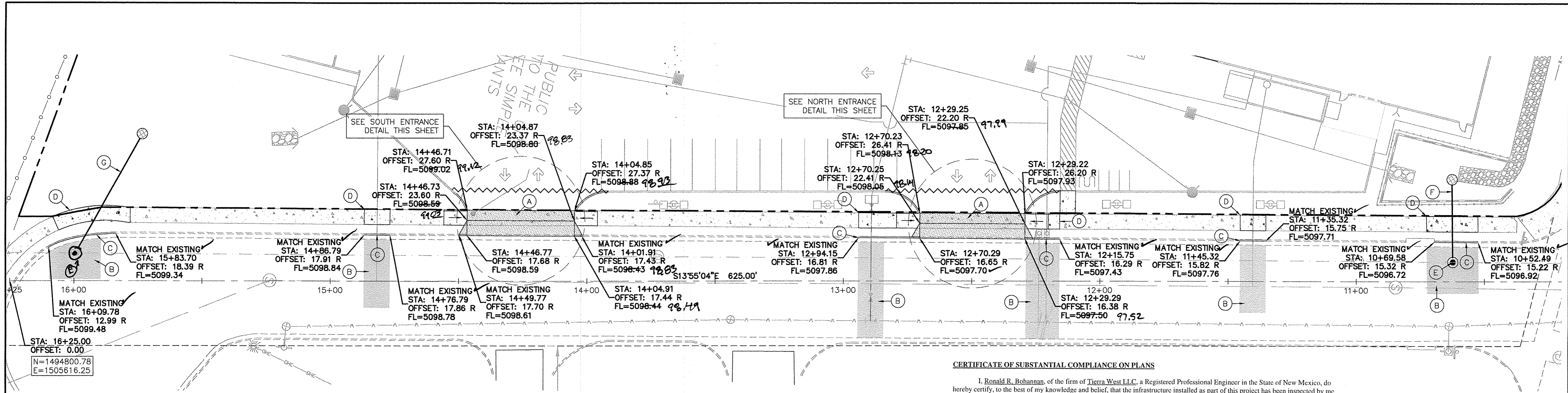
=====	CURB & GUTTER
-----	BOUNDARY LINE
-----	EASEMENT
=====	SIDEWALK
=====	RETAINING WALL
-----	EXISTING CURB & GUTTER
-----	EXISTING BOUNDARY LINE
-----	36" SD
-----	8" SAS
-----	8" WL
-----	DOUBLE CLEAN OUT
-----	EXISTING SD MANHOLE
-----	EXISTING INLET
-----	EXISTING SAS MANHOLE
-----	EXISTING FIRE HYDRANT
-----	EXISTING WATER METER
-----	EXISTING POWER POLE
-----	EXISTING GAS VALVE
-----	EXISTING OVERHEAD UTILITIES
-----	EXISTING UNDERGROUND UTILITIES
-----	EX. 2" GAS
-----	EX. 8" SAS
-----	EX. 10" WL
-----	EX. 18" RCP
-----	EXISTING GAS
-----	EXISTING SANITARY SEWER LINE
-----	EXISTING WATER LINE
-----	EXISTING STORM SEWER LINE

CAUTION:

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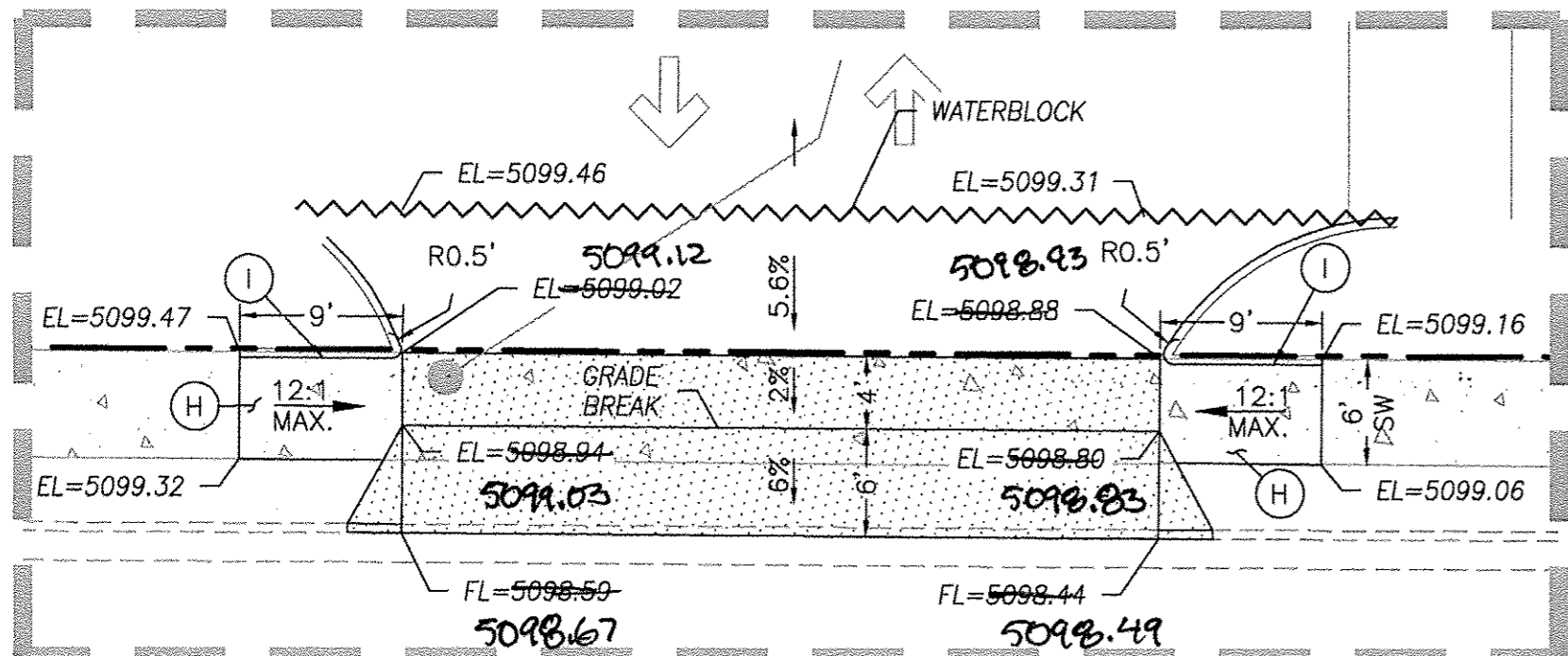
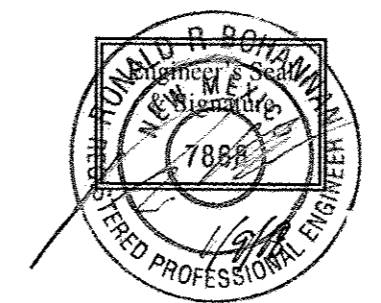
RECORD DRAWINGS

TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505)858-3100 www.tierrawestllc.com	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: U-HAUL • WEST BLUFF STORM DRAIN & UTILITY IMPROVEMENTS ATRISCO DR: STA: 10+62.41 TO 15+99.55	
DESIGN REVIEW COMMITTEE APPROVED AUG 18 2017 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL APPROVED OCT 18 2017 CITY ENGINEER
DESIGNED BY: JDH DATE: 7/13/2017	MO./DAY/YR. MO./DAY/YR.
DRAWN BY: DT DATE: 7/13/2017	
DRAWING NAME: 2016061-SH04-SD P&P	
CHECKED BY: JDH DATE: 8/16/2017	
CITY PROJECT NO. 780382	ZONE MAP NO. H-11-Z
SHEET 4	OF 10

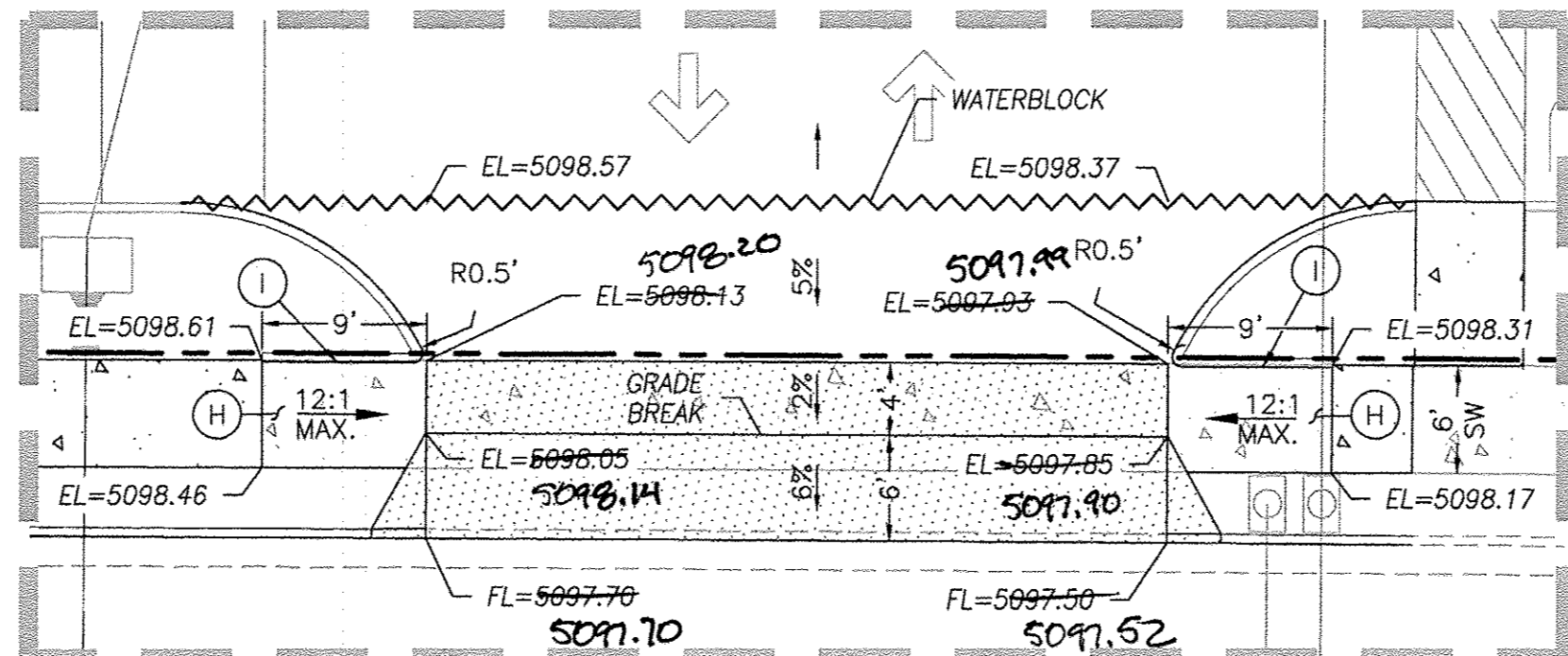


**CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS**

I, Ronald R. Bohannon, of the firm of Tierra West LLC, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Planning Department and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings.



**SOUTH ENTRANCE**  
SC: 1"=10'



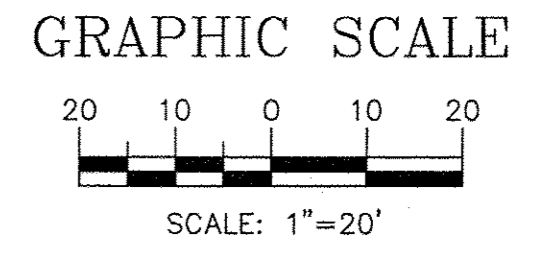
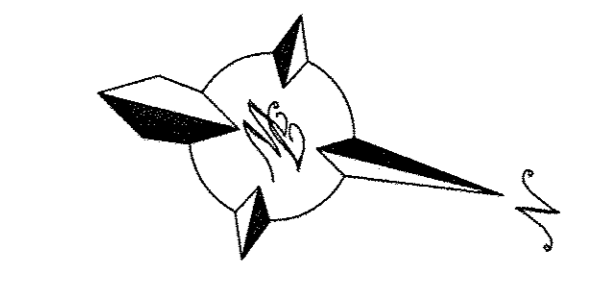
**NORTH ENTRANCE**  
SC: 1"=10'

- NOTICE TO CONTRACTORS**
1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
  2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985.
  3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
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  5. BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE.
  6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
  7. WORK ON ARTERIAL STREETS MAY BE PERFORMED ON A 24-HOUR BASIS.

LEGEND	
	CURB & GUTTER
	BOUNDARY LINE
	EASEMENT
	CENTERLINE
	SIDEWALK
	EXISTING CURB & GUTTER
	EXISTING BOUNDARY LINE
	PROPOSED ASPHALT (PUBLIC)
	PROPOSED ASPHALT (PRIVATE)
	SAWCUT

- KEYED NOTE:**
- (A) DRIVEPAD PER COA STD DWG #2425
  - (B) AC PAVEMENT PER COA STD DWG #2465 - RESIDENTIAL
  - (C) STANDARD CURB & GUTTER PER COA STD DWG #2415A
  - (D) 6' SIDEWALK PER COA STD DWG #2430
  - (E) 72" DIA. TYPE "E" MANHOLE PER COA STD DWG #2102
  - (F) 18" CLASS IV RCP
  - (G) 18" CLASS III RCP
  - (H) WHEELCHAIR ACCESS RAMP PER COA STD DWG #2441
  - (I) HEADER CURB TRANSITION FROM 6" TO 0" CURB HEIGHT. BUILD COMPLETELY WITHIN PUBLIC RIGHT OF WAY.

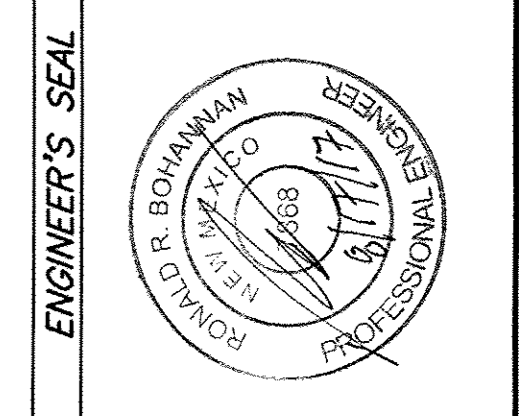
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**RECORD DRAWINGS**

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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: <b>U-HAUL • WEST BLUFF</b> PAVING IMPROVEMENTS ATRISCO DR: STA: 10+52.49 TO 16+09.78	
DESIGN REVIEW COMMITTEE <b>APPROVED</b> AUG 18 2017 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL <b>APPROVED</b> OCT 12 2017 CITY ENGINEER
CITY PROJECT NO. 780382	ZONE MAP NO. H-11-Z
SHEET 5 OF 10	

SURVEY INFORMATION	
NO.	DATE
BY	
FIELD NOTES	
BENCH MARKS	
AS-BUILT INFORMATION	
CONTRACTOR	DATE
STAKED	DATE
INSPECTED	DATE
FIELD	DATE
VERIFICATION	DATE
CORRECTED	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

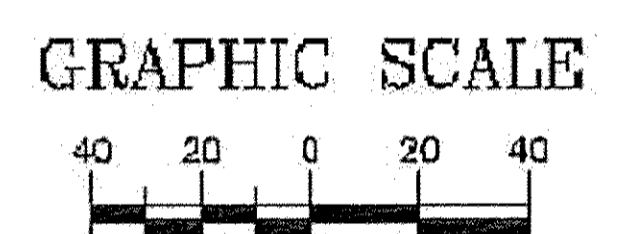
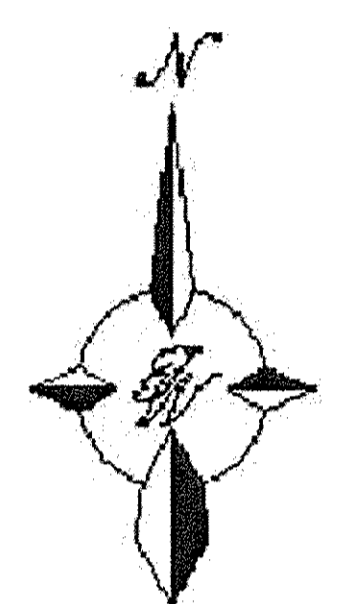
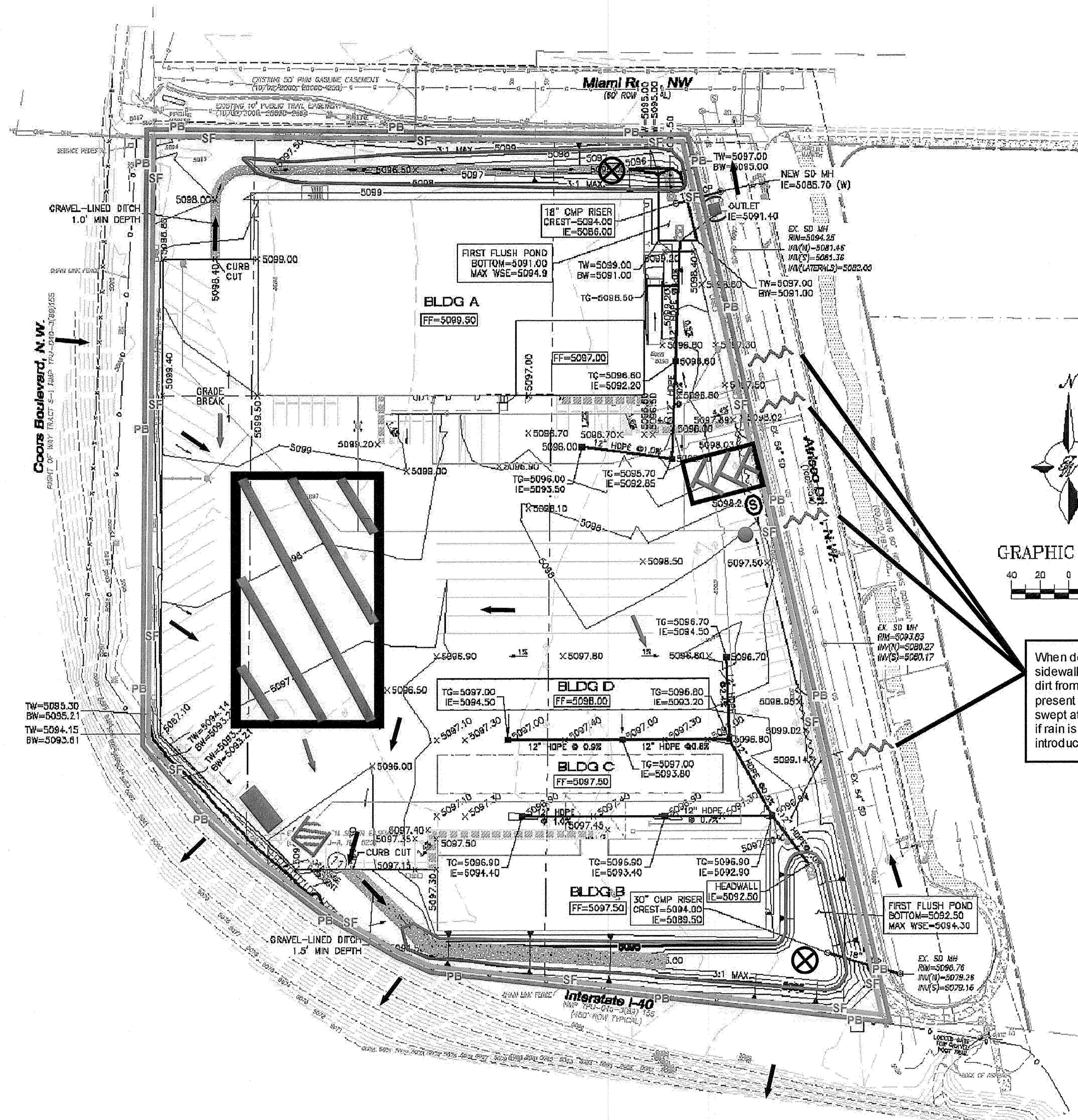
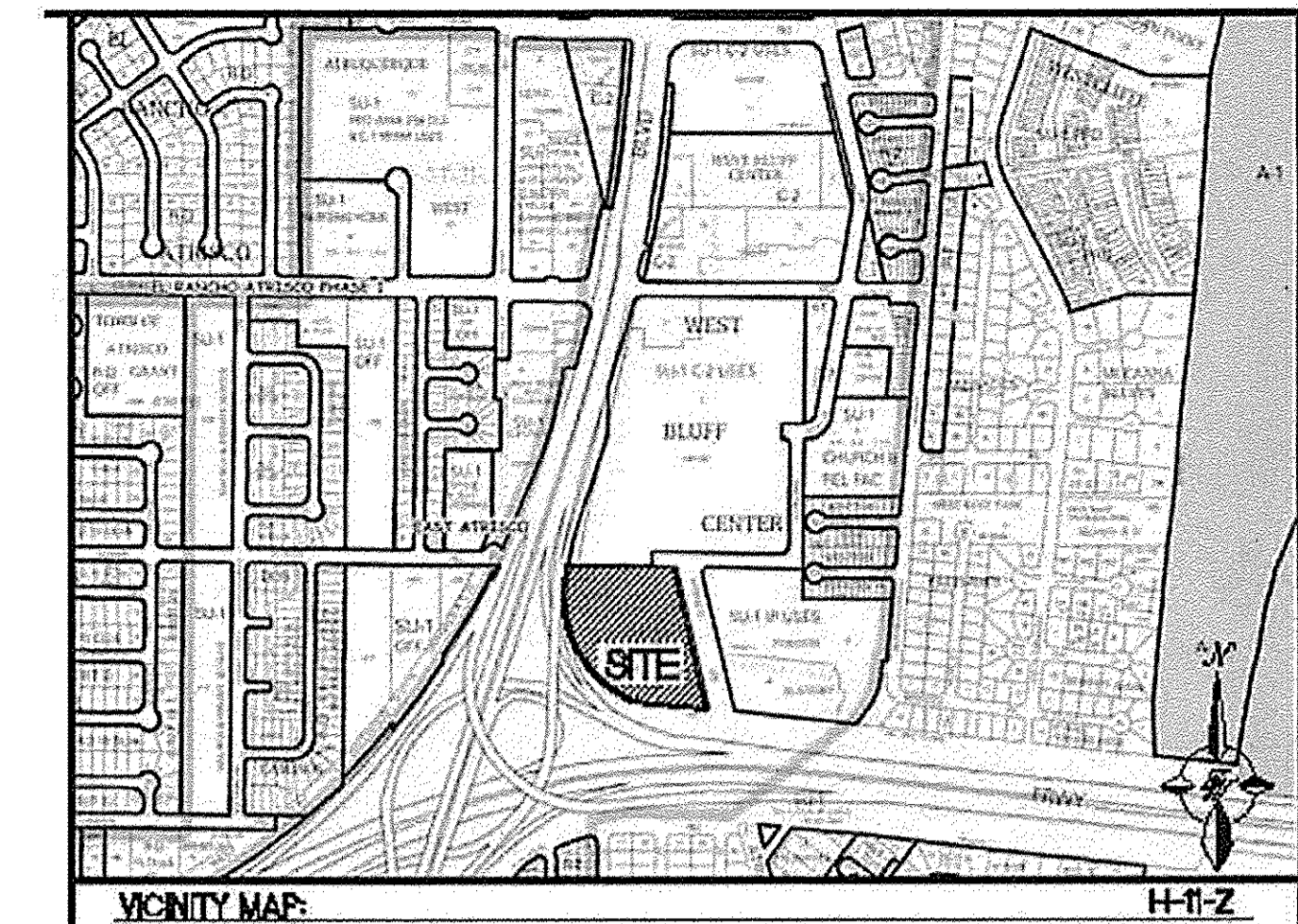
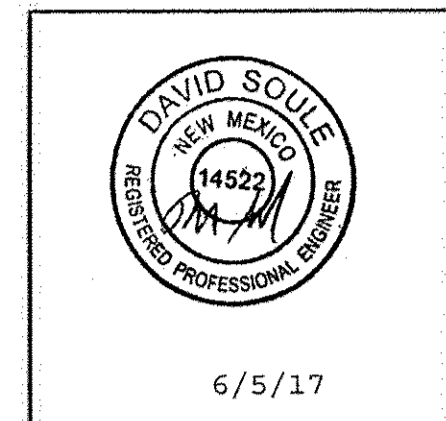


ENGINEER'S SEAL	
REMARKS	BY
REVISIONS	DATE
DESIGN	
DESIGNED BY: JH	DATE: 2/07/2017
DRAWN BY: JH	DATE: 2/07/2017
DRAWING NAME: 2016061-SH05-PAV	JOB NO.: 2016061
CHECKED BY: JH	DATE: 8/16/2017



Inspections Plus, Inc.

Engineer Stamp



When doing work in the City ROW (e.g. sidewalk, drive pads, utilities, etc...) prevent dirt from getting into the street. If dirt is present in the street, the street should be swept at the end of each day or during the day if rain is imminent or if the contractor introduces water into the street.

### Legend

#### Erosion Sediment Control Plan

- Project Perimeter & Disturbed Area
- Silt Fence
- Pre Flow
- Flow
- Outfall
- Posting Sign
- Staging Area
- Stabilized Construction Entrance
- Trash Receptacle
- Chemical Toilet
- Concrete Washout
- Retention Pond
- Proposed Storm Inlet - Install Protection when the inlet becomes operational.
- Mulch Socks

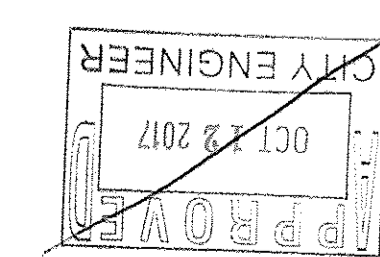
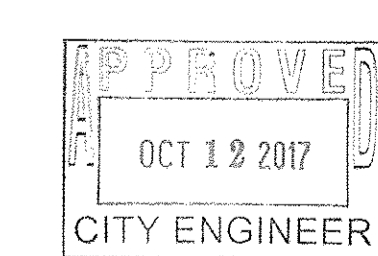
FOR REFERENCE ONLY

### U Haul Center @ Coors & I-40

Receiving Waters and Critical Habitat: Rio Grande is located 0.45 miles to the East.

Impairments: E. coli, Dissolved Oxygen, PCBs in Fish Tissue, Water Temperature

Grade: Before 1% to 2% After 1%





**Inspections Plus, Inc.**

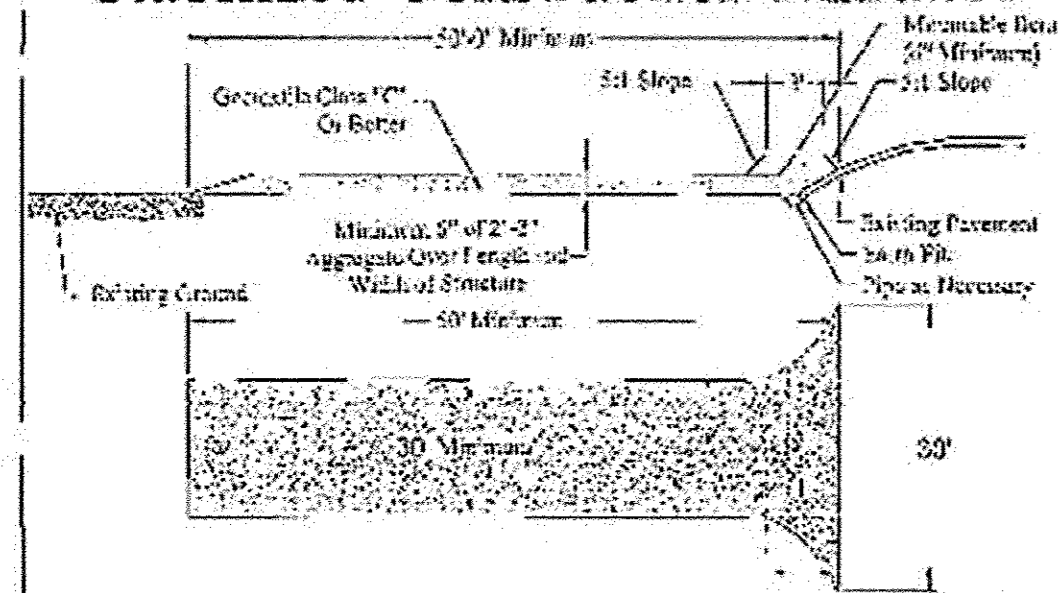
**Engineer Stamp**



6/5/17

# Inspections Plus Inc. Erosion Control Plan Standard Details

### Stabilized Construction Entrance



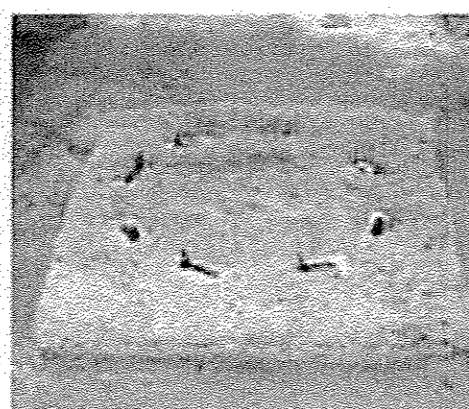
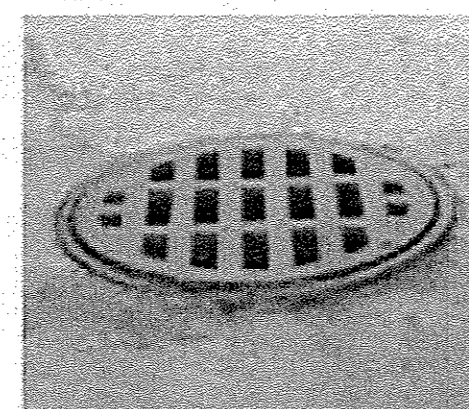
**Definition:**  
A prohibited sign is a signpost that is in compliance with Oregon Revised Statutes (ORS) 319.000 Standards for the Design, Construction and Maintenance of Traffic Signs, Signals and Signs for the Transportation System. Signs are located at any point where traffic enters or leaves a construction site.

### Purpose

- The purpose of the traditional construction entrance is to reduce trucking of equipment to streets, to public right-of-ways and provide a stable area for entrance or exit from the construction site.
- Conditions where the Practice Applies**
1. Stabilized construction entrances shall be located at points of concern on highways and expressways.
  2. For simple single-lane highways, the entrance is to be located at the permanent driveway.
  3. Stabilized construction entrances should not be used on existing residential.

- ### Design Criteria
1. Length - Minimum of 50'-0"
  2. Width - Minimum of 30'-0", should be started at the existing road to provide a turning radius.
  3. Concrete Class "C" shall be placed over the existing ground prior to placing concrete. No plan approval necessary nor any traffic signs needed. Mark the site along family audience.
  4. Some concrete aggregate 2 1/2" (See Standards for Decorative Road). Baggged concrete is preferred may be used. The ends should be placed at least 6" away from the curb and 5'-0" from the entrance.
  5. Entrance Width - At the surface water flowing to the drainage ditch, a concrete structure. Entrances shall be placed under the entrance to prevent possible drainage. See attached and the construction drawings shall be protected with a mountable curb. The pipe shall be placed according to the flow, may be 18" or 24" in diameter.
  6. Location - A distinct location should be marked. Entrance shall be located in a paved area where there is no traffic. Entrance shall be located in a paved area where there is no traffic. Entrance shall be located in a paved area where there is no traffic.

### Inlet Filter Installation Instructions:

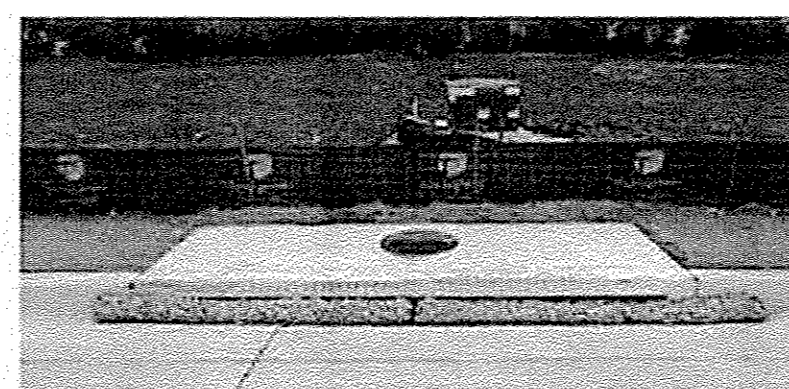
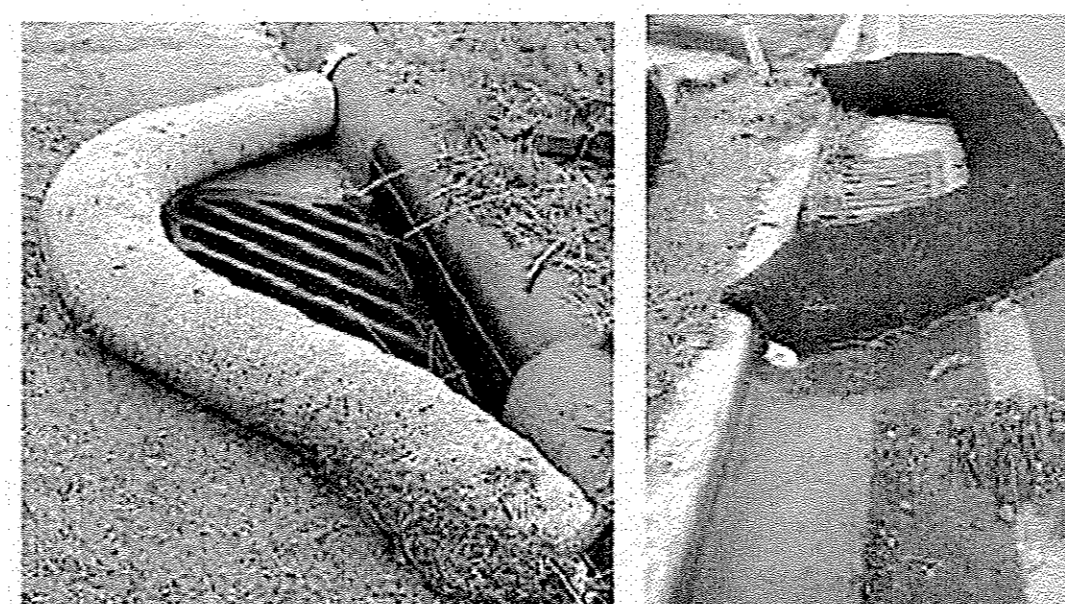


**1. Remove sediment, debris, ice and snow from the inlet grate surface and surrounding area.**

2. Verify fit by placing filter over inlet grate to ensure that Inlet Filter extends at least one inch beyond the front and both curb ends. The overlap slows water

3. Position the mat. Place Inlet Filter on grate with the net side down, flush to the back edge and extending beyond the grate opening on the front and both sides. The zip ties attach Inlet Filter to the inlet grate cover WITHOUT LIFTING THE GRATE COVER.

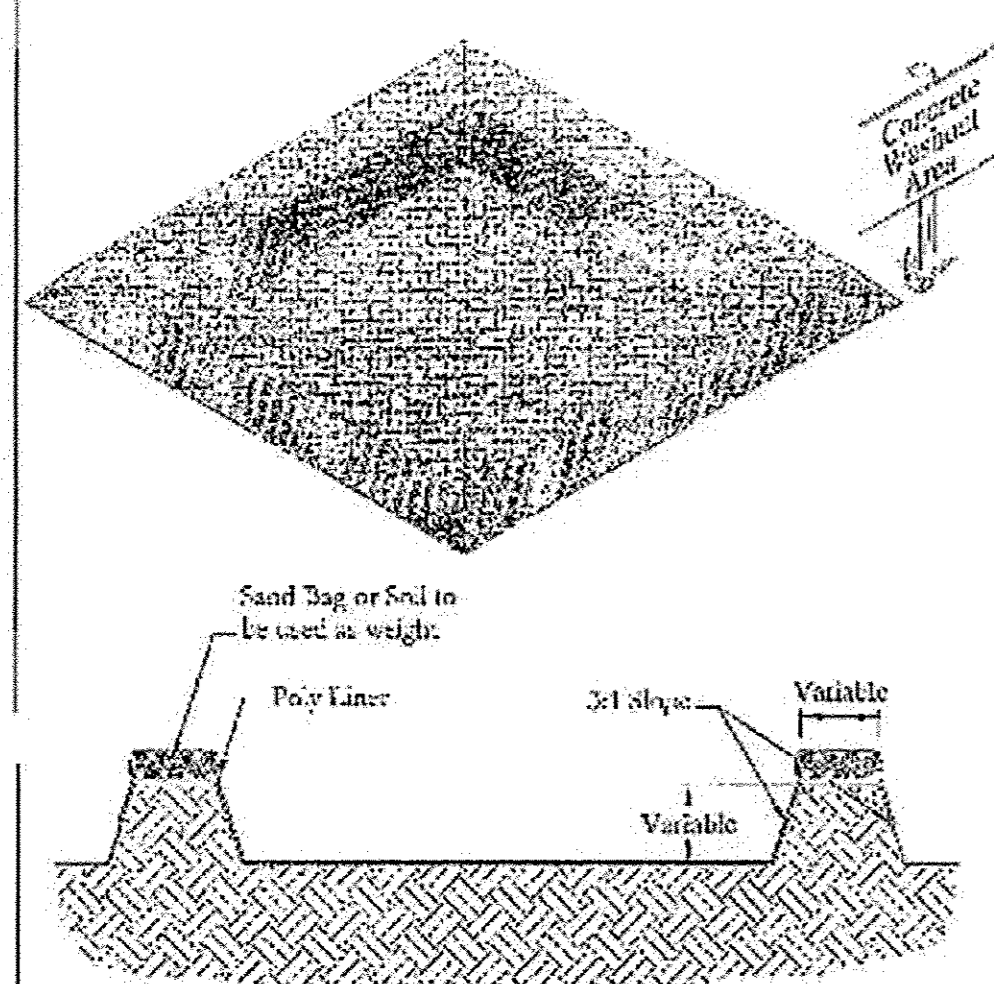
### Curb Storm Inlet Protection with Wattles



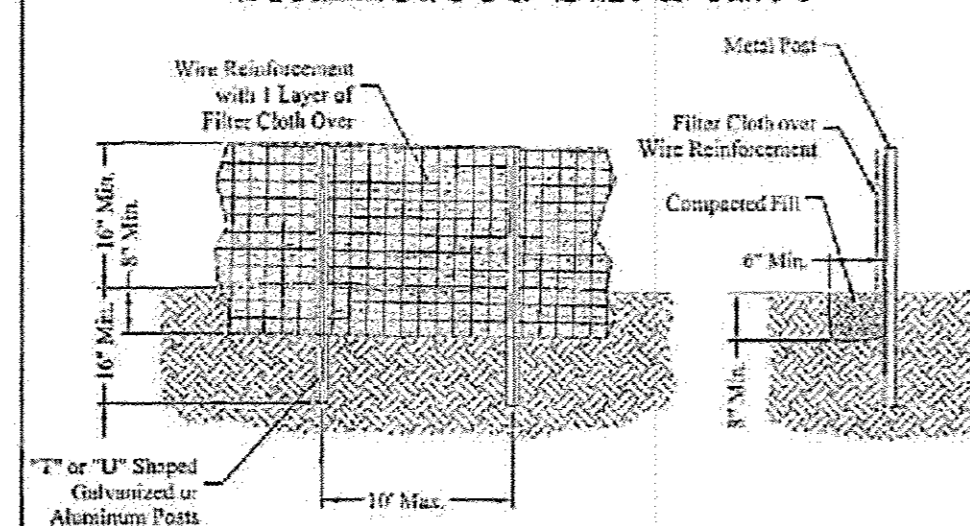
### Concrete Washout Area

For use in High Water Table Areas

For use in High Water Table Areas



## Reinforced Silt Fence



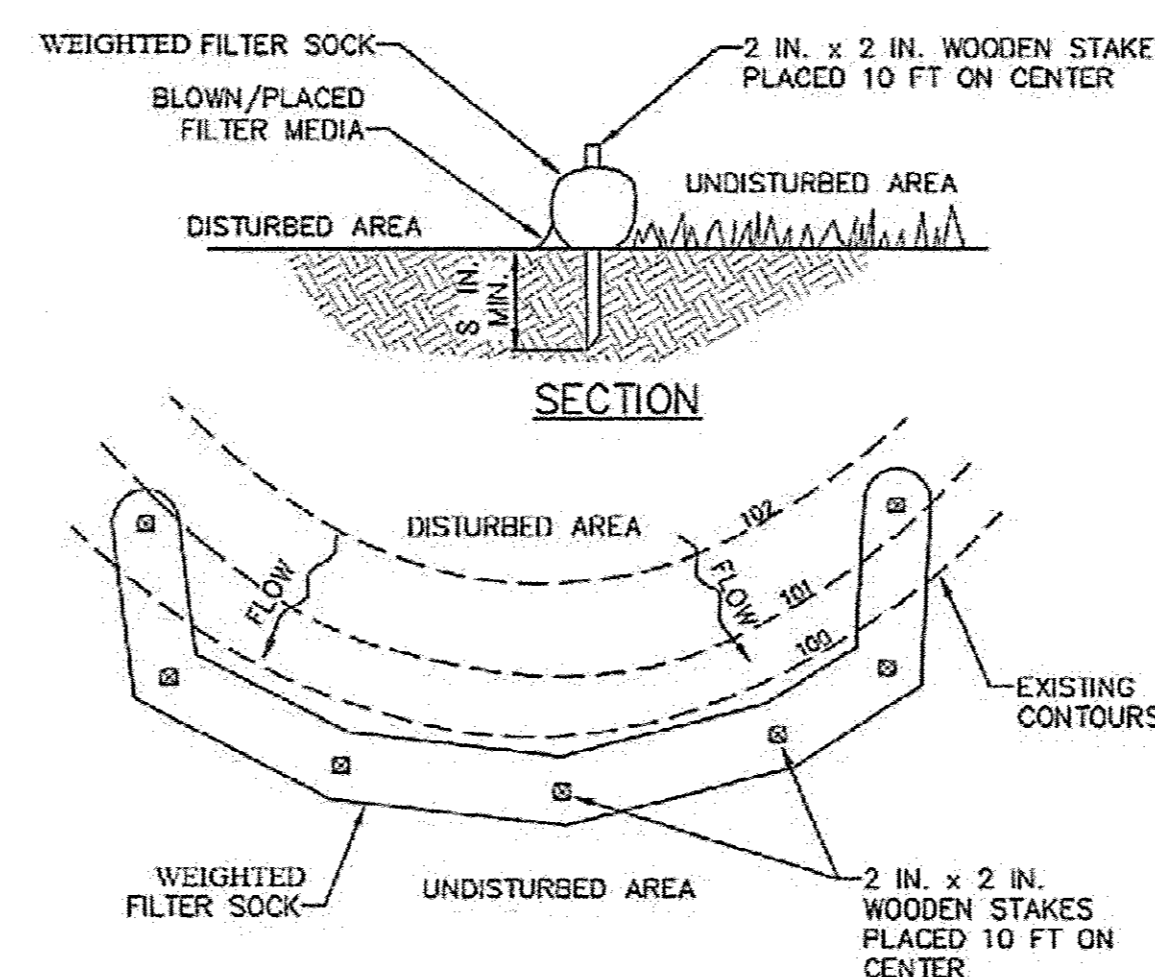
### Definition

**A temporary barrier of Geotextile Class "F" over wire reinforcement used to intercept sediment laden runoff from small drainage areas.**

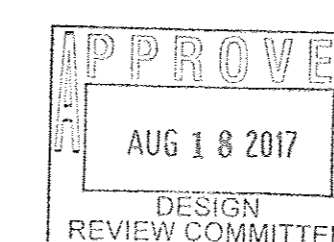
### **Purpose**

The purpose of silt fence is to reduce runoff where velocity and allow the deposition of transported sediment to occur. Limits imposed by ultraviolet light on the stability of the fabric will dictate the maximum period that the silt fence may be used.

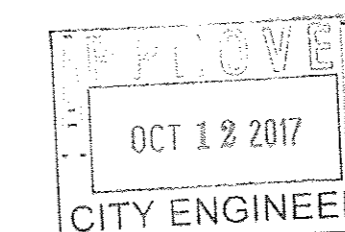
Slope (%)	Slope Steepness	Slope Length (ft.) (Maximum)	Slope Length (ft.) (Minimum)
0-10	6:10:1	Unlimited	Unlimited
10-20	10:1:1	250	1,500
20-23	5:1:1	100	1,000
23-50	3:1:1	100	500
50+	2:1:1	50	250



- #### Erosion Control Notes
1. All perimeter erosion and sediment control measures shall be installed prior to the execution of any grading work and maintained by the grading contractor for the duration of the grading project. Failure to install and maintain erosion control is a violation of State Law and subject to fine.
  2. The appropriate erosion control device(s) shall be installed prior to the inception of any land disturbing activity and shall be properly maintained for construction activities.
  3. All Erosion Control devices and their installation shall meet the standards prescribed in the current guidelines for storm water management for construction activities.
  4. Sediment collected behind the sediment filters and silt fences shall be removed when sediment reaches one third the height of the barrier.
  5. Sediment filters and silt fences shall be inspected and maintained no less than weekly or within 24 hours of a rainfall event of 0.5 inches or more. Maintenance shall include but not be limited to sediment removal, barrier repair and / or replacement.
  6. Construction Site Entrance: The contractor shall construct as a minimum one stabilized construction entrance at the location shown on the plans. If additional ingress and egress to the construction site is required, the contractor shall coordinate with the construction manager the location of these additional stabilized construction entrances. Usage of non-stabilized for ingress and egress will not be permitted. The stabilized entrances shall be maintained in a condition which will prevent tracking or flowing of sediment onto public right-of-way and paved driving lanes. This may require periodic top dressing with additional stone as conditions warrant. Repair of the entrances or cleaning of the right-of-way and paved driving lanes that have been soiled shall be performed by the contractor at his own expense satisfactory to the construction manager. When necessary, vehicle wheels and tires shall be cleaned to remove sediment prior to entering onto public right-of-way and public streets. When washing is required, it shall be done on an area stabilized with crushed stone.
  7. The contractor shall at his own expense, periodically water the site to control dust.
  8. Sedimentation and erosion control measures shall be removed following construction or upon permanent stabilization of the disturbed and graded areas, whichever occurs last.
  9. All disturbed areas that are not to be paved shall be re-seeded unless noted otherwise.
  10. The contractor shall keep the site clean at all times and control dust resulting from the earthwork operation. The contractor shall not track mud onto the public streets.



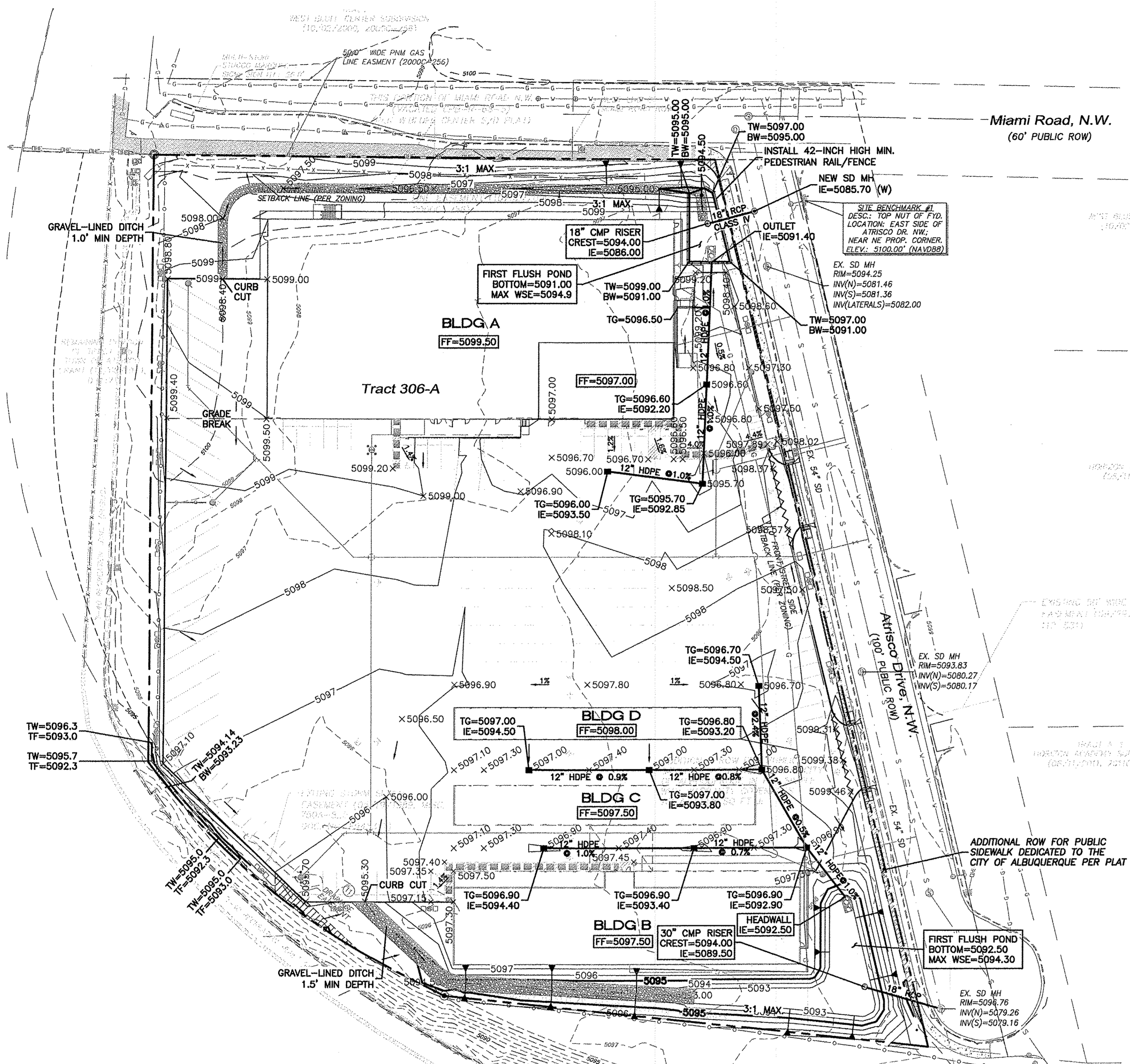
SHEET 7 OF 10



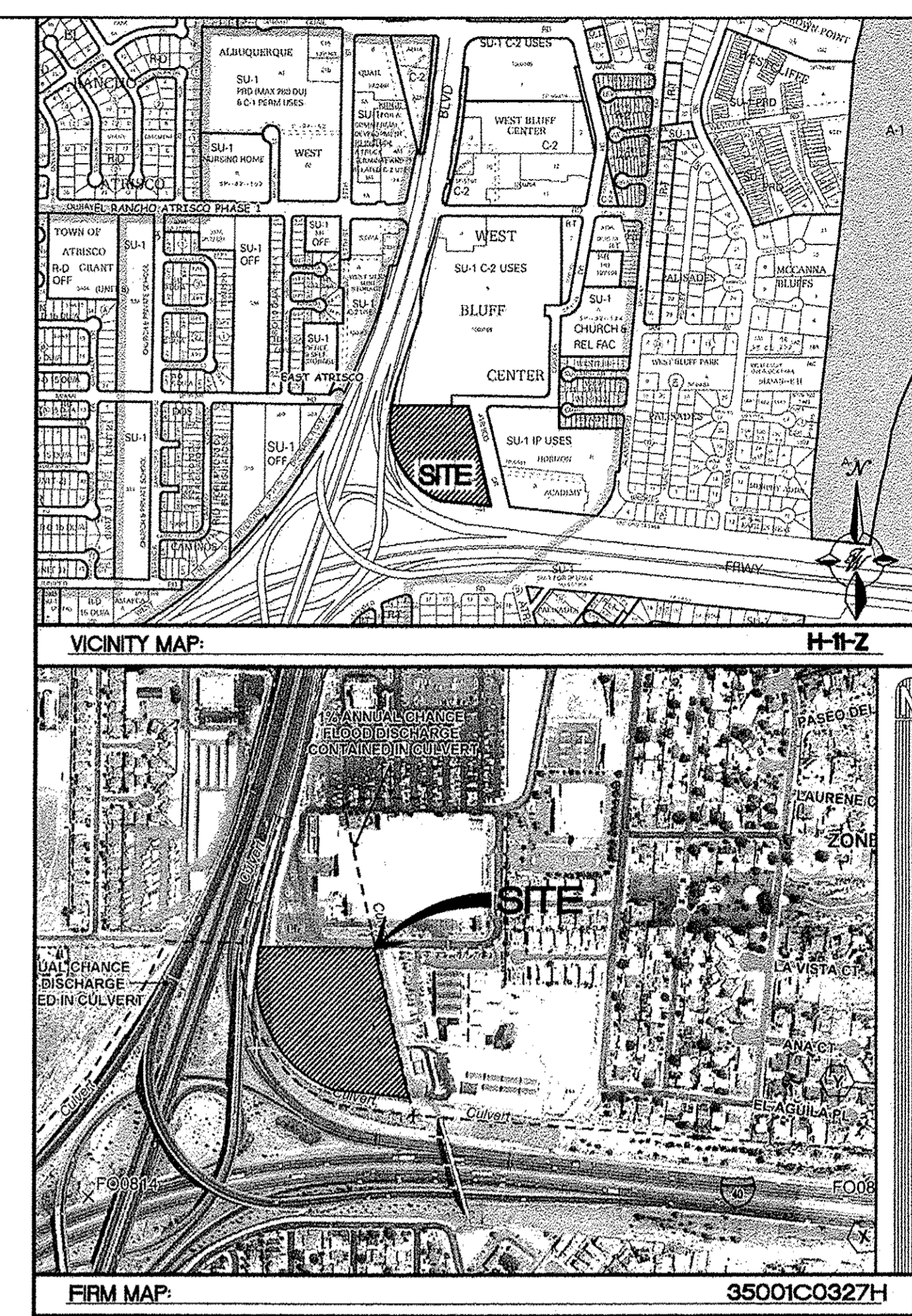
CPN 780382

**FOR REFERENCE ONLY**

**Project:**  
**U Haul Center @ Coors & I-40**



- LEGEND**
- CURB & GUTTER
  - BOUNDARY LINE
  - EASEMENT
  - CENTERLINE
  - RIGHT-OF-WAY
  - BUILDING
  - SIDEWALK
  - RETAINING WALL
  - CONTOUR MAJOR
  - CONTOUR MINOR
  - SPOT ELEVATION
  - FLOW ARROW
  - EXISTING CURB & GUTTER
  - EXISTING BOUNDARY LINE
  - EXISTING CONTOUR MAJOR
  - EXISTING CONTOUR MINOR
  - EXISTING SPOT ELEVATION
  - ACCESSIBLE ROUTE
  - WATERBLOCK



- NOTICE TO CONTRACTORS**
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APPROVAL	NAME	DATE
INSPECTOR		

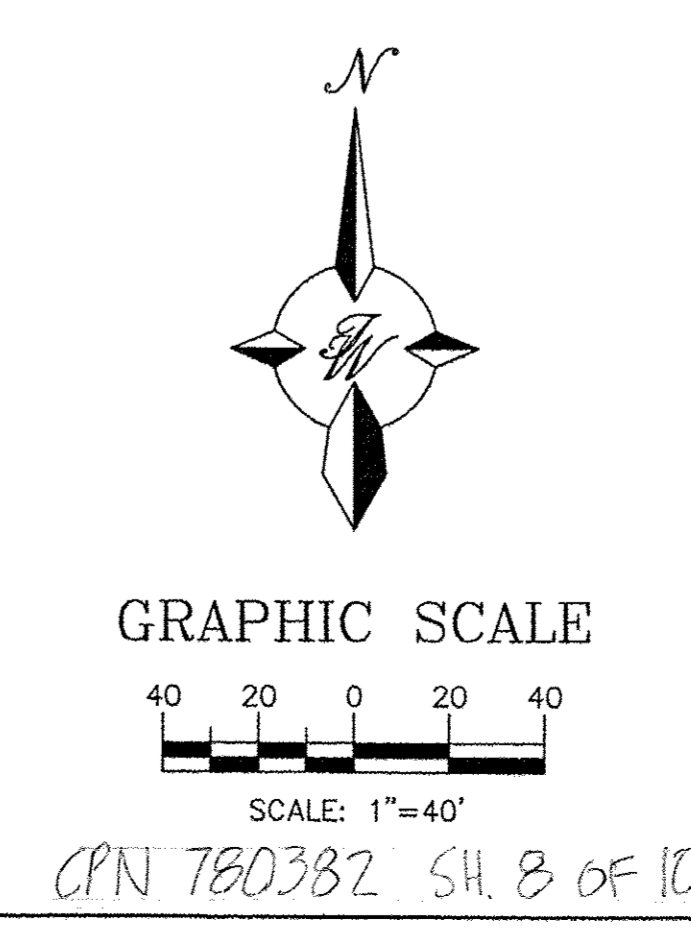
- EROSION CONTROL NOTES**
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
  - CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
  - CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
  - REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
  - ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE OF ANY PROJECT.

**Interstate 40**  
(N.M.P. NO. TPU-040-3(89)155 PUBLIC ROW WIDTH VARIES)

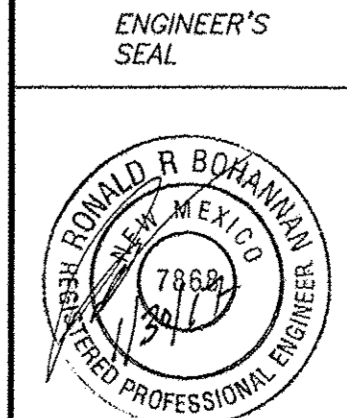

**CAUTION**

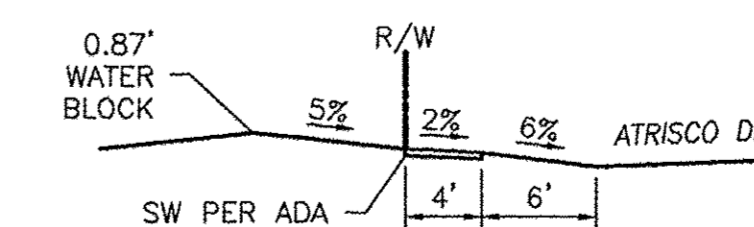
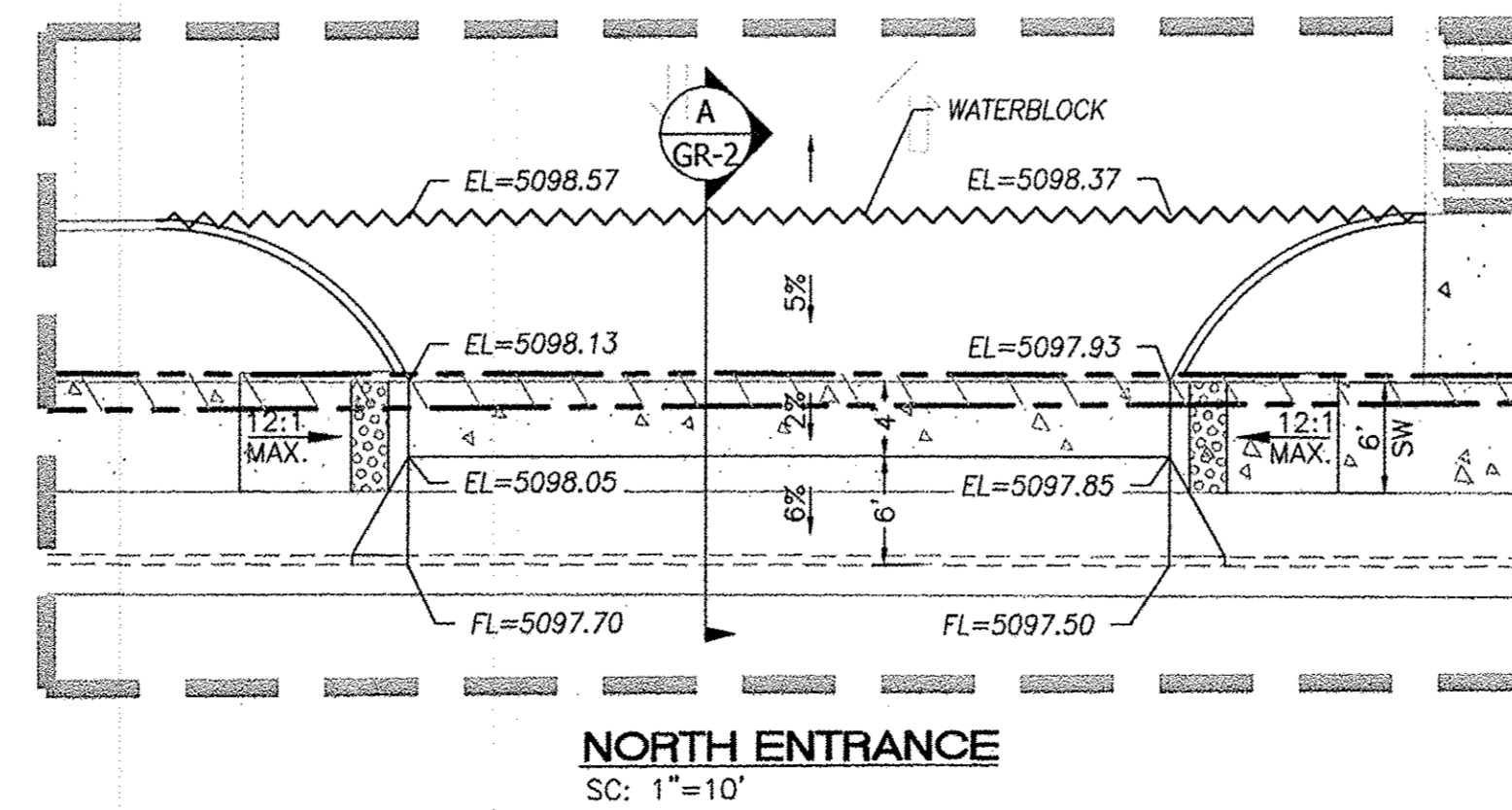
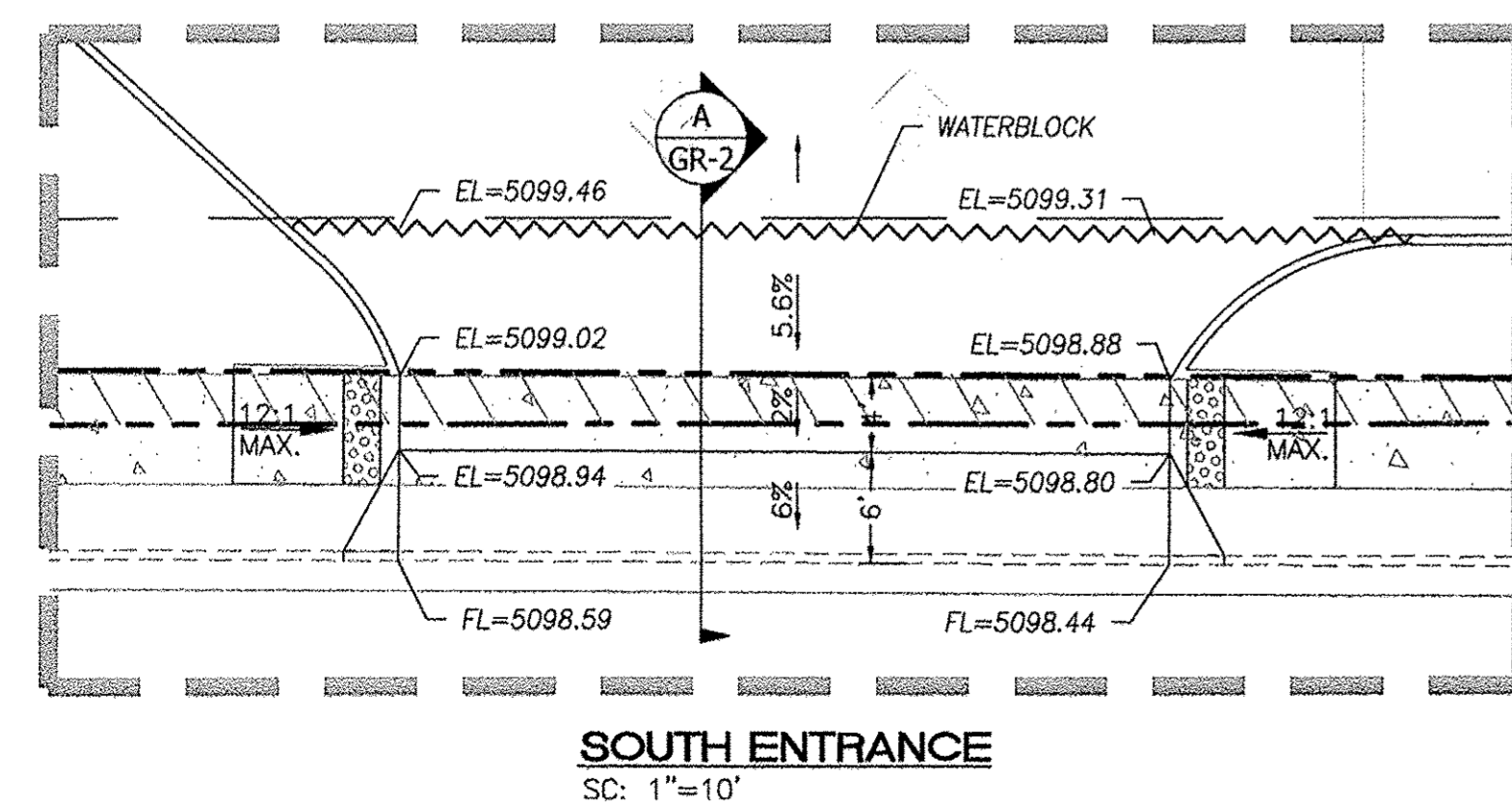
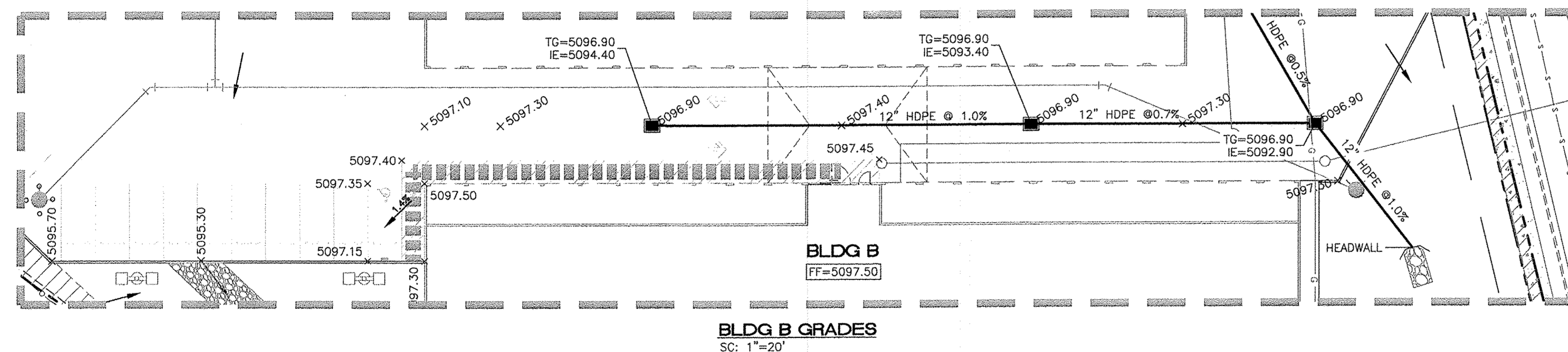
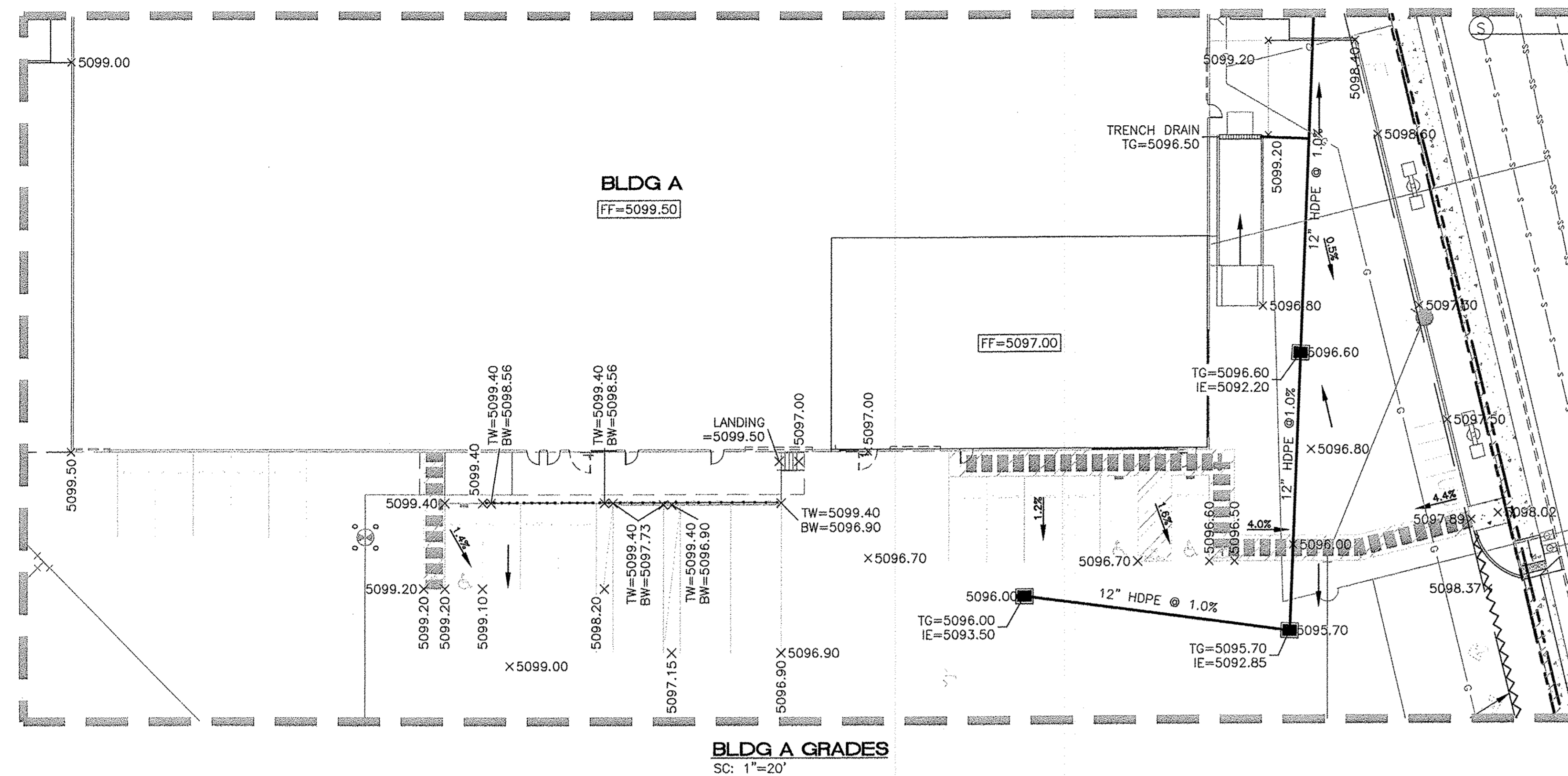
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- NOTES:**
- ALL EXISTING STORM DRAIN RIM & INVERT INFORMATION ALONG ATRISCO DR NW FROM CITY PROJECT NO. 3558.
  - SEE SHEET GR-2 FOR DETAILED ACCESSIBLE ROUTE.



**FOR REFERENCE ONLY**

 RONALD R. BOHANNAN P.E. #7968	<b>WEST BLUFF BUSINESS CENTER</b>	DRAWN BY DY
	<b>GRADING AND DRAINAGE PLAN</b>	DATE 1/30/17
 TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505) 858-3100 www.tierrawestllc.com		2016061-GRB
		SHEET # <b>GR-1</b>
		JOB # 2016061



**SECTION A-A**  
SC: 1"=10'  
CPN 780382 SH. 90  
**FOR REFERENCE ONLY**













**EROSION CONTROL NOTES:**

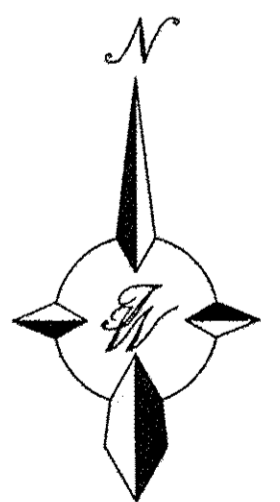
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## LEGEND

	CURB & GUTTER
	BOUNDARY LINE
	EASEMENT
	CENTERLINE
	BUILDING
	SIDEWALK
	SPOT ELEVATION
	FLOW ARROW
	EXISTING CURB & GUTTER
	EXISTING BOUNDARY LINE
	ACCESSIBLE ROUTE
	WATERBLOCK



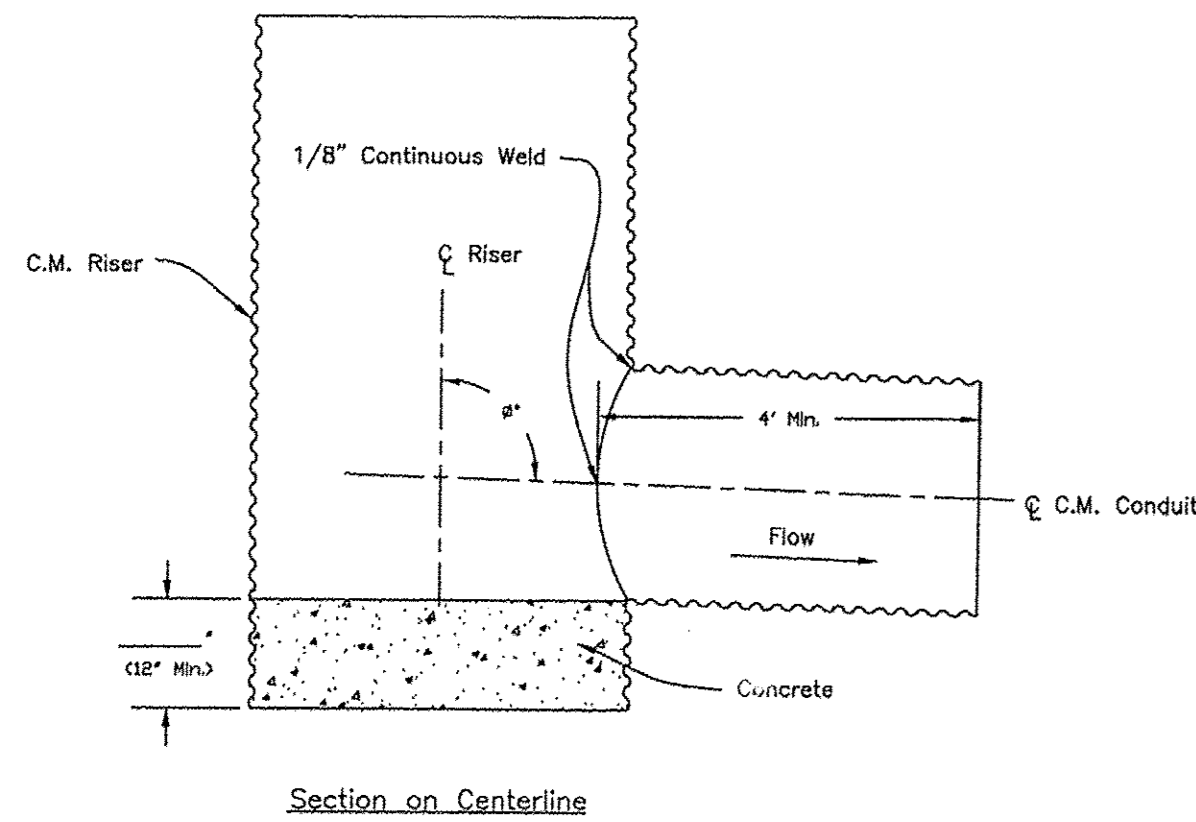
GRAPHIC SCALE

SCALE: 1"=20'

ENGINEER'S SEAL	<b>WEST BLUFF BUSINESS CENTER</b>	DRAWN BY DY
	<b>GRADING AND DRAINAGE PLAN</b>	DATE 1/25/17
RONALD R. BOHANNAN P.E. #7868	 <b>TERRA WEST, LLC</b> 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505) 858-3100 www.tierrowestllc.com	2016061-GRB
		SHEET #  <b>GR-2</b>
		JOB # 2016061

Bill of Materials  
C.M. Riser \_\_\_\_\_ Diam., \_\_\_\_\_ Lin. Ft., Metal thickness = \_\_\_\_\_" ( \_\_\_\_\_ Gage)  
C.M. Conduit \_\_\_\_\_ Diam., \_\_\_\_\_ Lin. Ft., Metal thickness = \_\_\_\_\_" ( \_\_\_\_\_ Gage)  
∅ Angle = \_\_\_\_\_ Degrees  
Volume of Concrete = \_\_\_\_\_ Cu. Yds.

Concrete Table	
Riser Diameter (Inches)	Volume of Concrete (Cu. Yds./Inch)
18	.0055
21	.0074
24	.0097
30	.0152
36	.0216



- Notes:
1. The maximum diameter of the C.M. riser shall be 36".
  2. The maximum height of the C.M. riser measured from the top of the riser to the invert of the C.M. conduit shall be 13 feet.

USDA  
United States  
Department of  
Agriculture  
Natural Resources  
Conservation Service

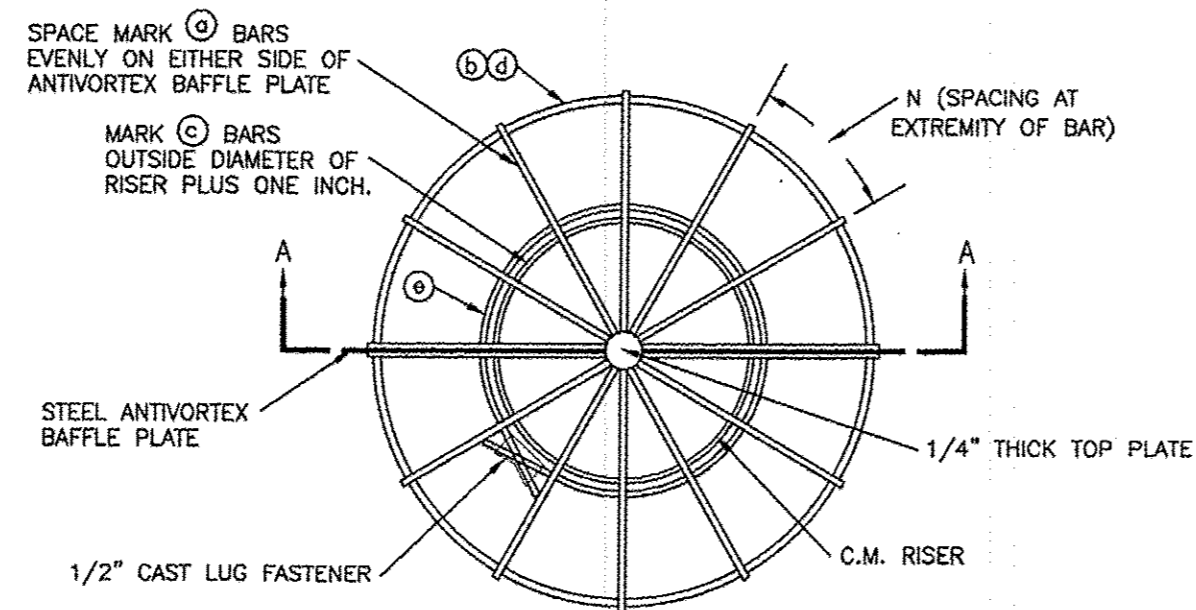
C.M. RISER DETAILS  
(ROUND CONCRETE BASE)  
CLIENT: ###  
COUNTY: ###

Designed: ### Date: ###  
Drawn: ### Date: 07/14  
Checked: ###  
Approved: ###  
Sheet XX of ###

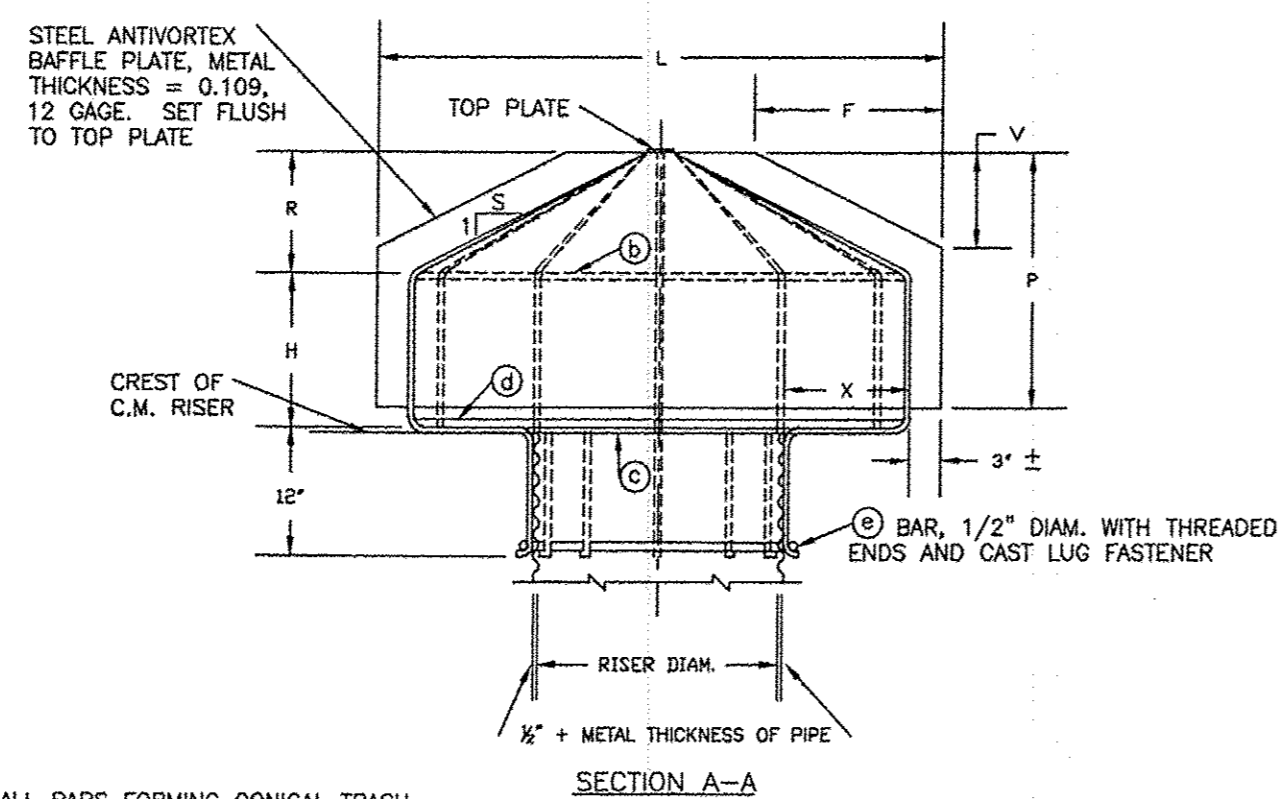
USDA  
United States  
Department of  
Agriculture  
Natural Resources  
Conservation Service

CONICAL TRASH RACK AND  
BAFFLE PLATE FOR 18" TO 36"  
DIAM. C.M. RISERS  
CLIENT: ###  
COUNTY: ###

Designed: ### Date: ###  
Drawn: ### Date: 07/14  
Checked: ###  
Approved: ###  
Sheet XX of ###



PLAN VIEW

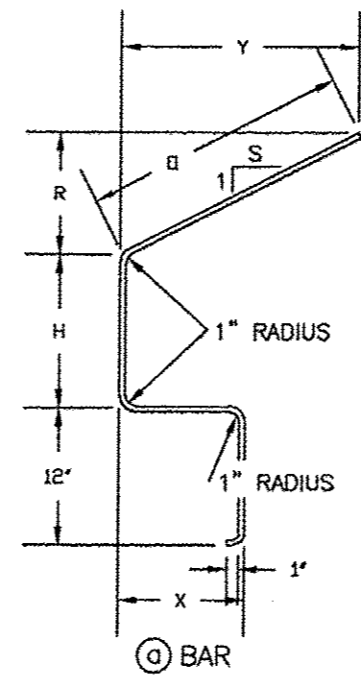


SECTION A-A

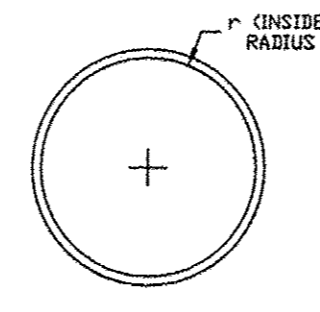
ALL BARS FORMING CONICAL TRASH  
RACK ARE MARK (C) BARS, UNLESS  
OTHERWISE NOTED.

NOTES:

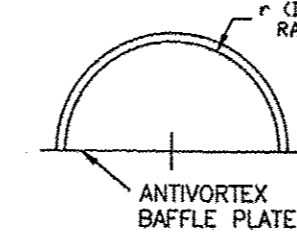
1. WELD 4 MARK (C) BARS TO BAFFLE PLATE AND TO TOP PLATE. WELD MARK (C) AND MARK (D) BARS TO 4 MARK (C) BARS. WELD MARK (D) BAR TO MARK (C) BARS. WELD REMAINING MARK (C) BARS TO MARK (D), MARK (C), AND MARK (D) BARS AND TOP PLATE.
2. THE TRASH RACK AND ANTIVORTEX BAFFLE PLATE, MAY BE FABRICATED AS A UNIT, OR TRASH RACK MAY BE FABRICATED IN IDENTICAL HALVES AND ATTACHED TO BAFFLE PLATE WITH 1/2" DIAM. U BOLTS SPACED APPROXIMATELY 12 INCHES CENTER TO CENTER ALONG THE VERTICAL AND INCLINED SECTIONS OF THE MARK (C) BARS NEXT TO THE PLATE.
3. ALL BARS ARE SMOOTH ROUND BARS.
4. COAT WITH A RUST INHIBITIVE PAINT.



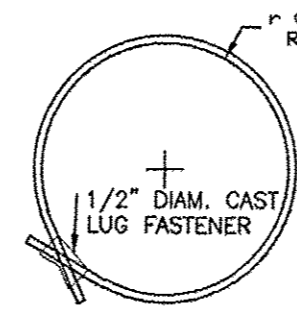
BENDING DIAGRAMS



(C) AND (D) BARS



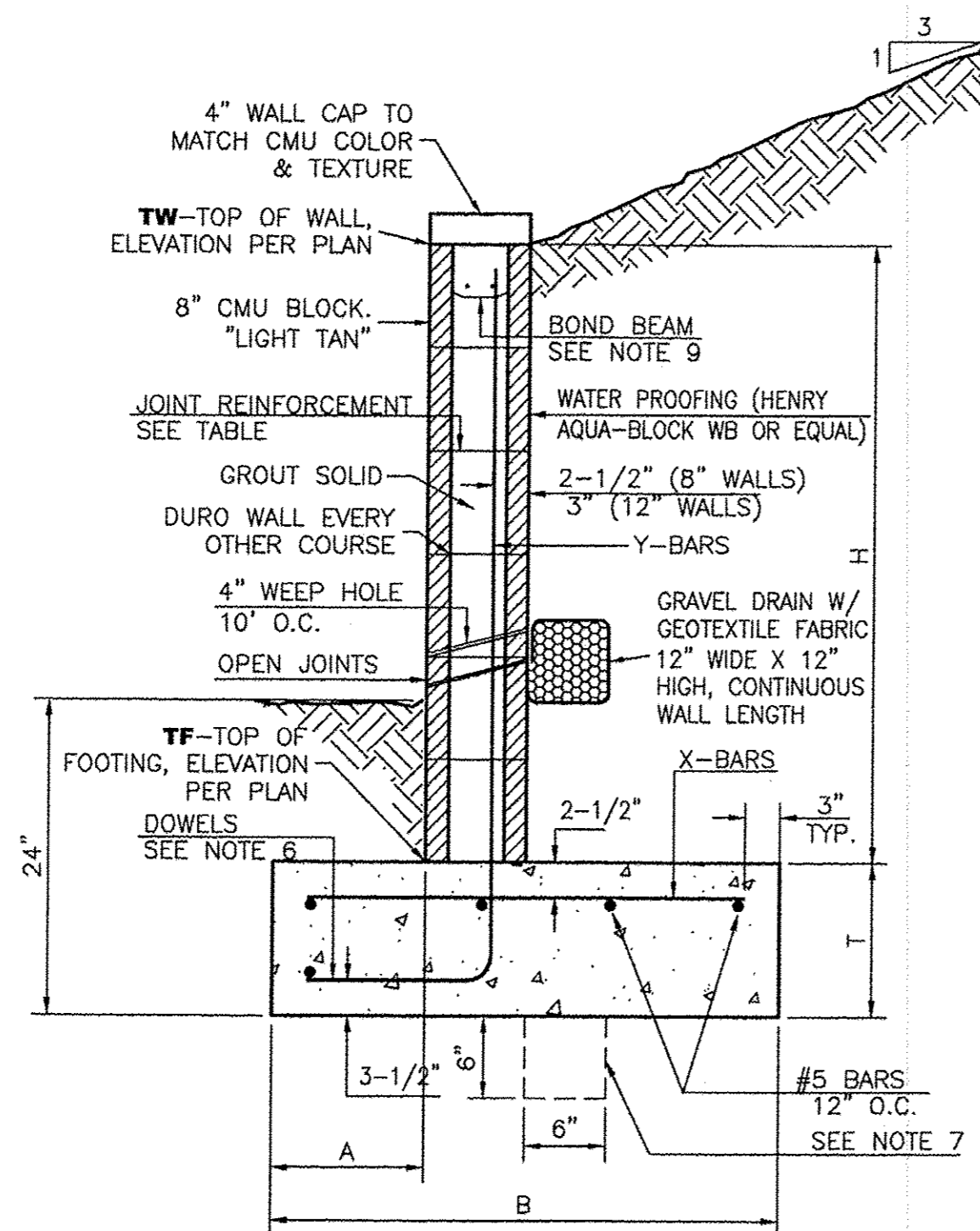
(D) BAR



(E) BAR

TABLE OF DIMENSIONS AND QUANTITIES												
(C) BARS 5/8" DIAMETER						ANTIVORTEX BAFFLE PLATE						
H	R	X	Y	S	O	TOTAL	NO.	N	L	P	F	V
INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	LENGTH	REQ'D	INCHES	INCHES	INCHES	INCHES	INCHES
18" DIAMETER CORRUGATED METAL RISER												
9	14-1/8	6	14-1/8	1	20	4'	10	11-7/16	3'	21	8	8
21" DIAMETER CORRUGATED METAL RISER												
12	9-1/4	9	18-1/2	2	20-5/8	4' 6-5/8"	12	12-3/8	4'	18	12	6
24" DIAMETER CORRUGATED METAL RISER												
15	11-3/8	12	22-3/4	2	25-3/8	5' 5-3/8"	12	14-13/16	4'-6"	24	18	9
30" DIAMETER CORRUGATED METAL RISER												
18	9-1/2	15	28-1/2	3	30	6' 4"	14	15-13/16	6'	24	21	7
36" DIAMETER CORRUGATED METAL RISER												
21	12-1/2	21	37-5/8	3	39-1/2	7'10-1/2"	16	17-5/16	7'-6"	30	30	10

TABLE OF DIMENSIONS AND QUANTITIES												
(D) BARS 5/8" DIAMETER			(C) BARS 5/8" DIAMETER			(E) BARS 5/8" DIAMETER			(F) BARS 5/8" DIAMETER			TOP PLATE
NO.	r	LENGTH	NO.	r	LENGTH	NO.	r	LENGTH	NO.	r	LENGTH	DIAM.
REQ'D	INCHES	INCHES	REQ'D	INCHES	INCHES	REQ'D	INCHES	INCHES	REQ'D	INCHES	INCHES	INCHES
18" DIAMETER CORRUGATED METAL RISER												
2	14-5/16	46	1	10	62-10	1	14-5/16	92	1	10-1/4	73	3
21" DIAMETER CORRUGATED METAL RISER												
2	18-13/16	60	1	11-1/2	72-1/4	1	18-13/16	120	1	11-3/4	82-1/2	3-1/2
24" DIAMETER CORRUGATED METAL RISER												
2	23-5/16	74	1	13	81-8	1	23-5/16	148	1	13-1/4	91-1/2	3-1/2
30" DIAMETER CORRUGATED METAL RISER												
2	29-5/16	93	1	16	100-1/2	1	29-5/16	186	1	16-1/4	111	4
36" DIAMETER CORRUGATED METAL RISER												
2	38-3/8	121-1/2	1	19	119-5	1	38-3/8	243	1	19-1/4	129	4



RETAINING WALL DETAIL  
NTS

8 INCH REINFORCED CONCRETE MASONRY WALL

H	A	B	T	Y-BARS	X-BARS
ft.-in.	in.	ft.-in.	in.		
2'-0"	8"	2'-0"	9"	#4 @32" O.C.	
2'-8"	8"	2'-0"	9"	#4 @32" O.C.	#4 @24" O.C.
3'-4"	8"	2'-4"	9"	#4 @32" O.C.	#4 @24" O.C.
4'-0"	10"	2'-8"	9"	#4 @32" O.C.	#4 @24" O.C.
4'-8"	12"	3'-4"	10"	#5 @32" O.C.	#4 @18" O.C.
5'-4"	14"	3'-10"	10"	#6 @16" O.C.	#4 @18" O.C.
6'-0"	16"	4'-8"	12"	#6 @8" O.C.	#4 @12" O.C.

12 INCH REINFORCED CONCRETE MASONRY WALL

H	A	B	T	Y-BARS	X-BARS
ft.-in.	in.	ft.-in.	in.		
5'-4"	14"	3'-8"	10"	#6 @18" O.C.	#4 @24" O.C.
6'-0"	15"	4'-2"	12"	#4 @16" O.C.	#4 @18" O.C.
6'-8"	16"	4'-6"	12"	#6 @24" O.C.	#5 @18" O.C.
7'-4"	18"	4'-10"	12"	#6 @16" O.C.	#5 @18" O.C.
8'-0"	20"	5'-4"	12"	#7 @18" O.C.	#6 @12" O.C.
8'-8"	20"	5'-8"	12"	#7 @16" O.C.	#6 @12" O.C.

GENERAL NOTES:

1. ALL CONCRETE IS TO BE 4000 PSI @ 28 DAYS.
2. MINIMUM COMPACTION UNDER FOOTINGS IS TO BE 95% PER ASTM D 1557 FOR A DEPTH OF 12" MOISTURE CONTENT IS TO BE ± 2.0%.
3. BACK FILL AGAINST WALLS IS TO BE HAND-PLACED AND COMPACTED.
4. ALL BARS ARE TO BE GRADE 60, ASTM 615.
5. TRUSS TYPE DUR-O-WALL EVERY OTHER COURSE.
6. DOWELS SHALL BE AT LEAST EQUAL IN SIZE AND SPACING TO Y-BARS, SHALL PROJECT A MINIMUM OF 30 BAR DIA. INTO THE FILLED BLOCK CORES, AND SHALL EXTEND TO THE TOP OF THE FOOTING.
7. PROVIDE KEY FOR 8" AND 12" WALLS WHERE H EXCEEDS 6'-0"
8. USE EITHER EXPANSION JOINTS ON 20' CENTERS OR PILASTERS EVERY 16'.
9. BOND BEAM, 1-#4 BARS FOR WALLS UNDER 3'-4", 2-#4 BARS FOR WALLS UNDER 5'-4", 2-#5 BARS FOR WALLS OVER 5'-4".

CPN 780382 SH. 10 OF 10  
FOR REFERENCE ONLY

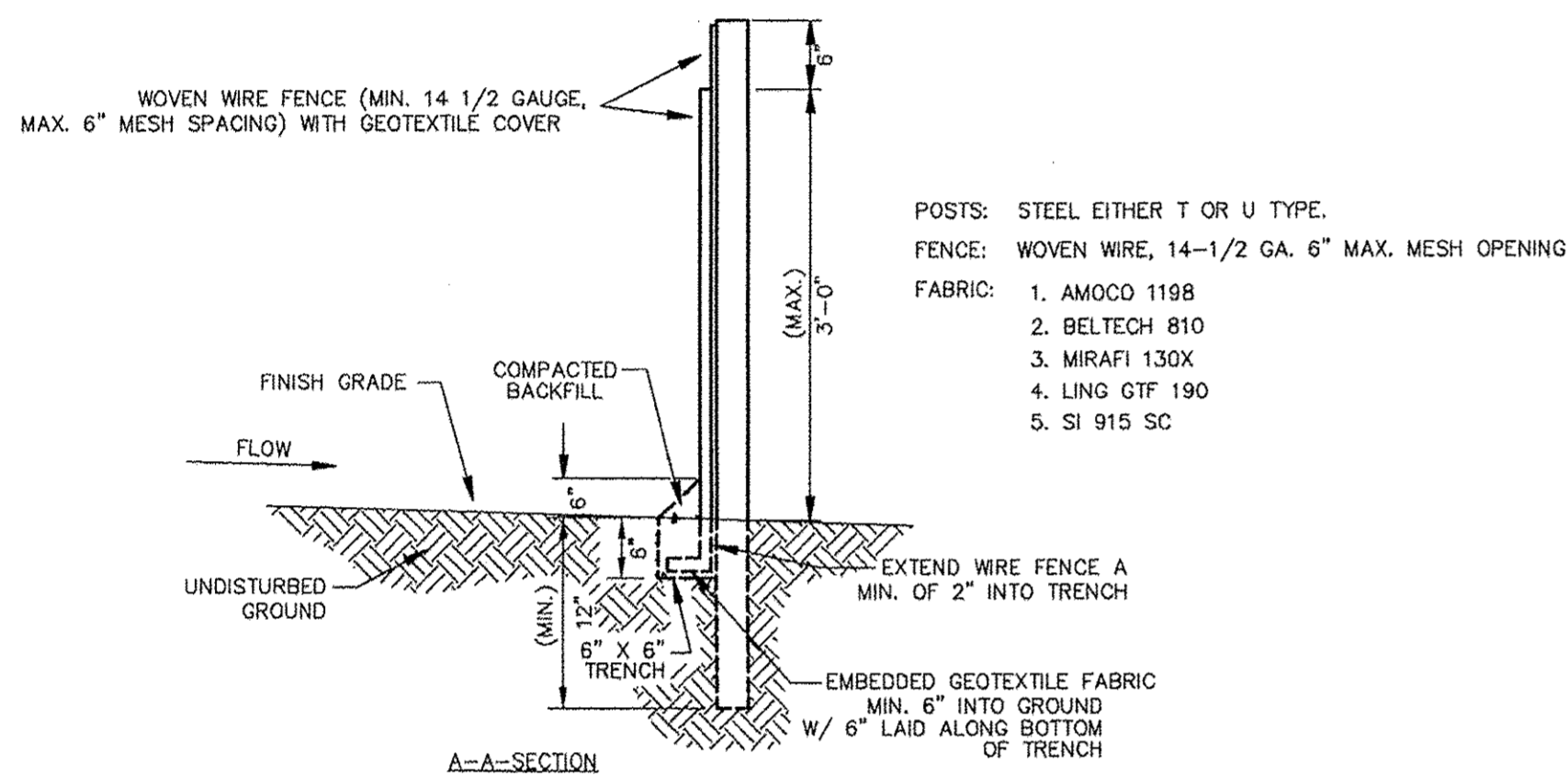
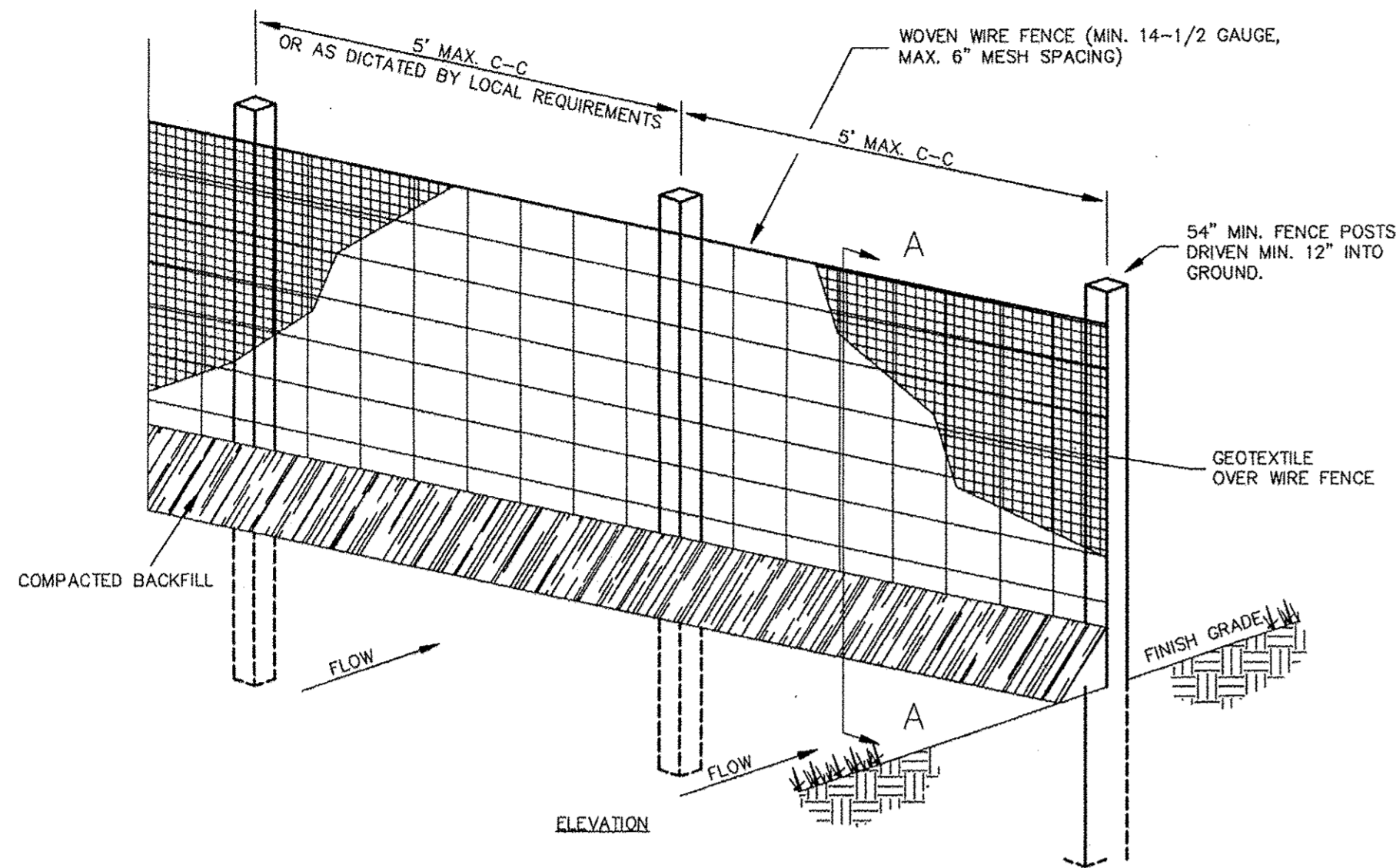
ENGINEER'S  
SEAL  
RONALD R. BOHANNAN  
P.E. #7868

WEST BLUFF  
BUSINESS CENTER  
GRADING AND  
DRAINAGE DETAILS

TIERRA WEST, LLC  
5571 MIDWAY PARK PLACE NE  
ALBUQUERQUE, NM 87109  
(505) 858-3100  
www.tierrawestllc.com

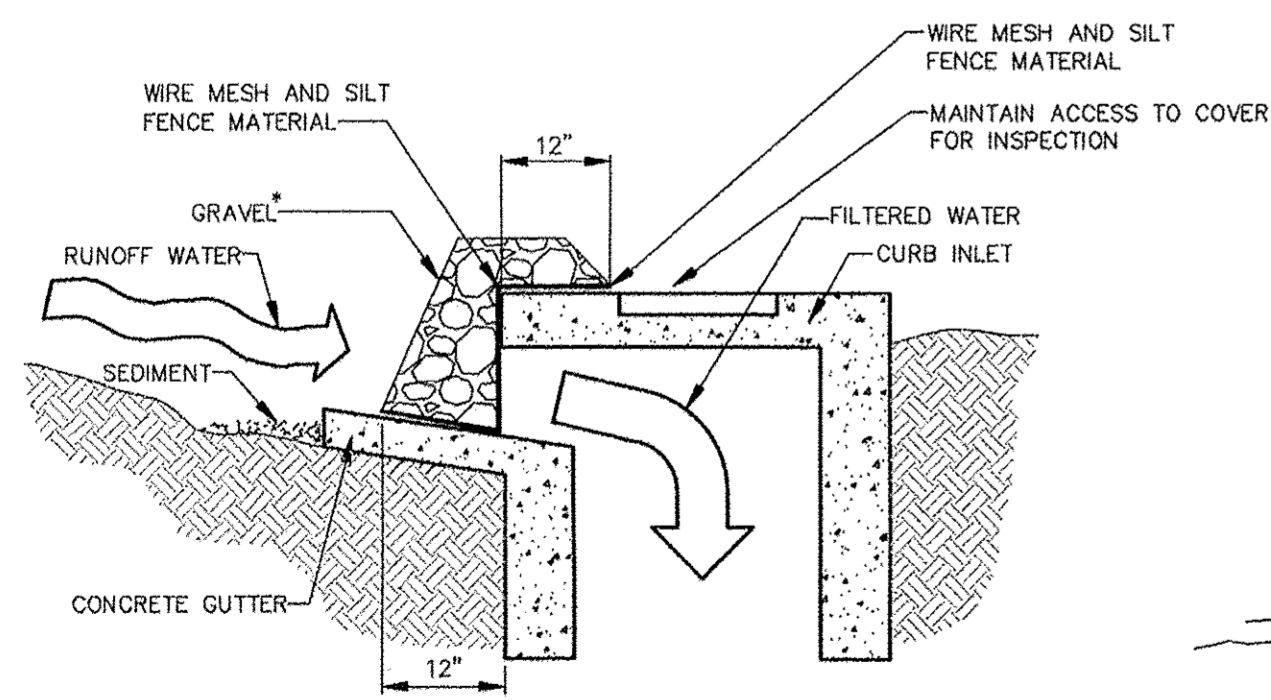
DRAWN BY  
DY  
DATE  
1/30/17  
2016061-GRB  
SHEET #  
GR-3  
JOB #  
2016061





1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES.
2. GEOTEXTILE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24\"/>

SEDIMENTATION/SILT FENCE WITH WIRE SUPPORT (SF)  
N.T.S.

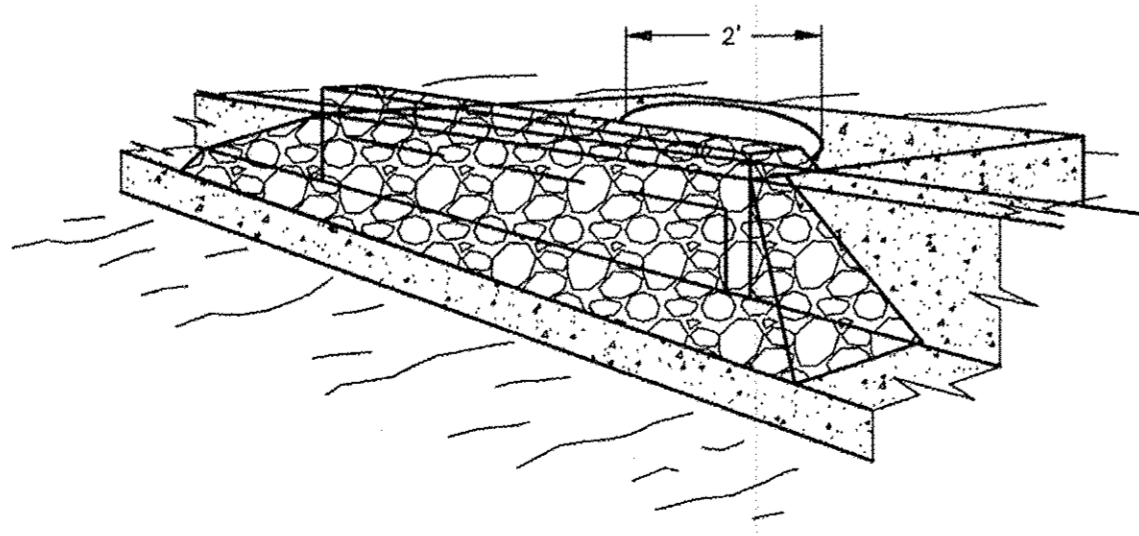


SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE AT CURB INLETS WHERE PONDING IN FRONT OF THE STRUCTURE IS NOT LIKELY TO CAUSE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED AREAS.

\* GRAVEL SHALL BE 3/4\"-2\" ANGULAR CLEAN STONE

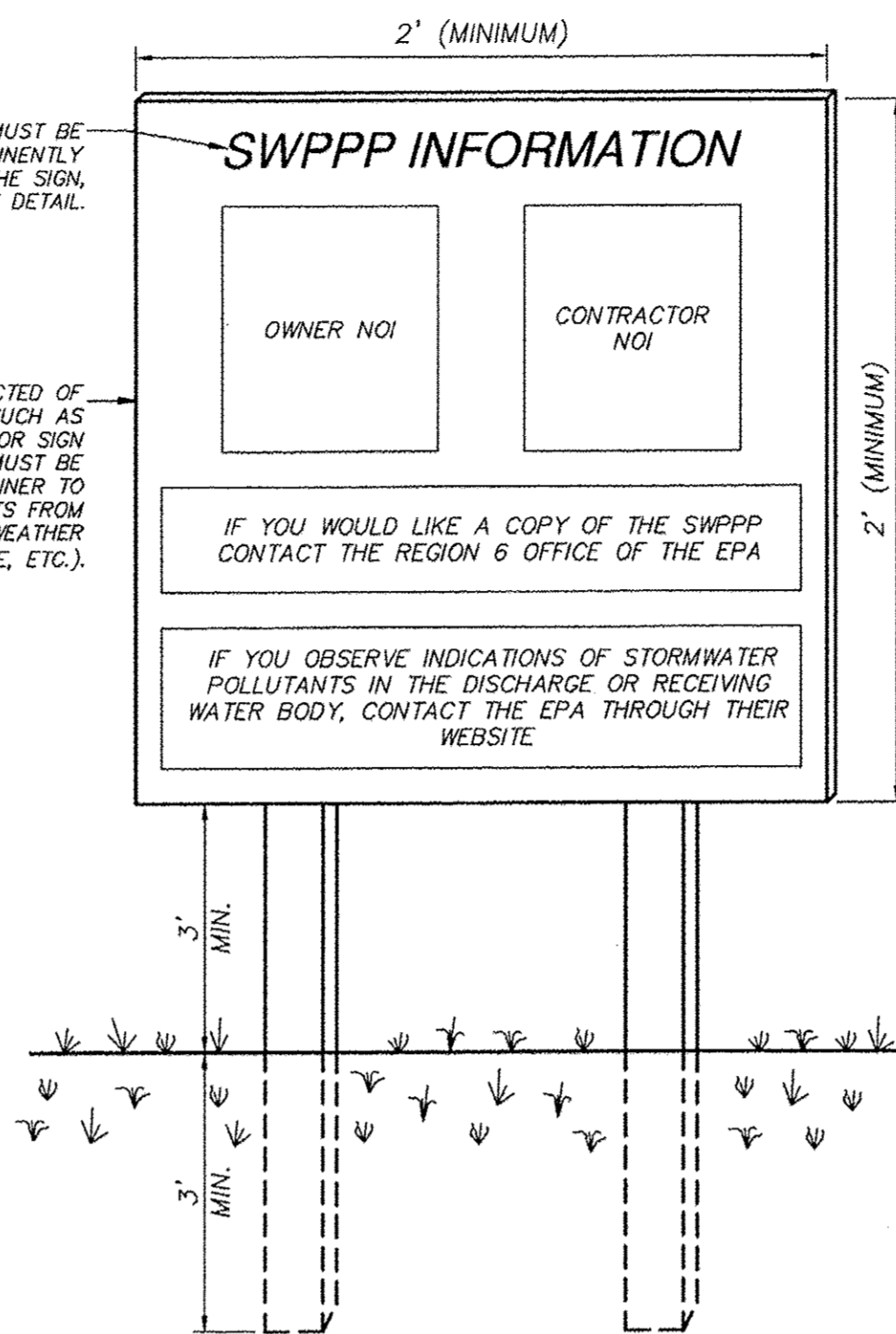
GRAVEL CURB INLET SEDIMENT FILTER (IP5)  
N.T.S.



SILT FENCE INLET PROTECTION (IP6)  
N.T.S.

"SWPPP INFORMATION" MUST BE DISPLAYED PROMINENTLY ACROSS THE TOP OF THE SIGN, AS SHOWN IN THE DETAIL.

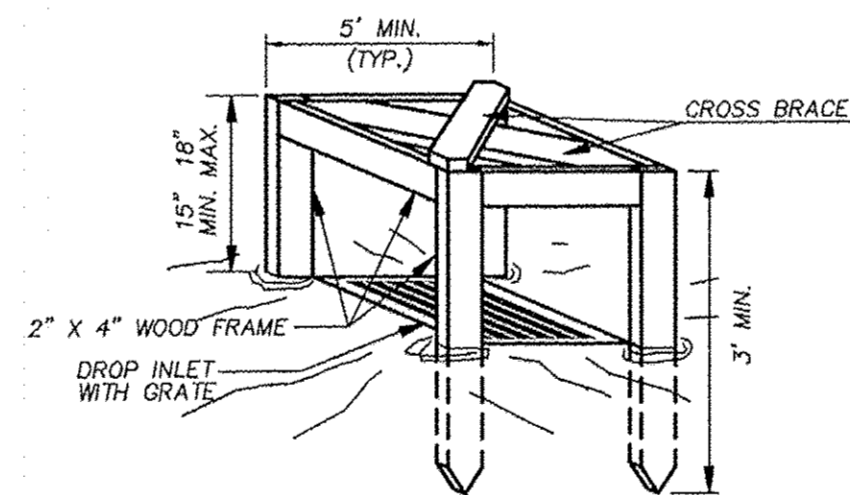
SIGN TO BE CONSTRUCTED OF A RIGID MATERIAL, SUCH AS PLYWOOD OR OUTDOOR SIGN BOARD. SIGN MUST BE CONSTRUCTED IN A MANNER TO PROTECT DOCUMENTS FROM DAMAGE DUE TO WEATHER (WIND, SUN, MOISTURE, ETC.).



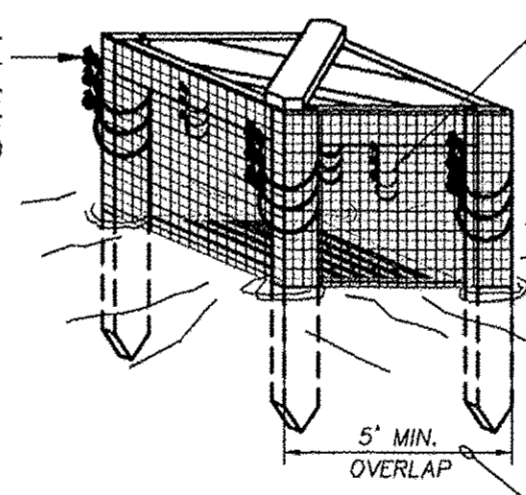
NOTES:

- 1) THE SWPPP INFORMATION SIGN MUST BE LOCATED NEAR THE CONSTRUCTION EXIT OF THE SITE, SUCH THAT IT IS ACCESSIBLE AND VIEWABLE BY THE GENERAL PUBLIC, BUT NOT OBSTRUCTING VIEWS AS TO CAUSE A SAFETY HAZARD.
- 2) ALL POSTED DOCUMENTS MUST BE MAINTAINED IN A CLEARLY READABLE CONDITION AT ALL TIMES THROUGHOUT CONSTRUCTION AND UNTIL THE NOTICE-OF-TERMINATION (NOT) IS FILED FOR THE PERMIT.
- 3) CONTRACTOR SHALL POST OTHER STORM WATER AND/OR EROSION AND SEDIMENT CONTROL RELATED PERMITS ON THE SIGN AS REQUIRED BY THE GOVERNING AGENCY.
- 4) SIGN SHALL BE LOCATED OUTSIDE OF PUBLIC RIGHT-OF-WAY AND EASEMENTS UNLESS APPROVED BY THE GOVERNING AGENCY.
- 5) CONTRACTOR IS RESPONSIBLE FOR ENSURING STABILITY OF THE SWPPP INFORMATION SIGN.

SWPPP INFORMATION SIGN (SS)  
N.T.S.



ATTACH THE WOVEN WIRE FENCE TO EACH POST WITH THREE WIRE TIES OR OTHER FASTENERS (SEE NOTE 1)

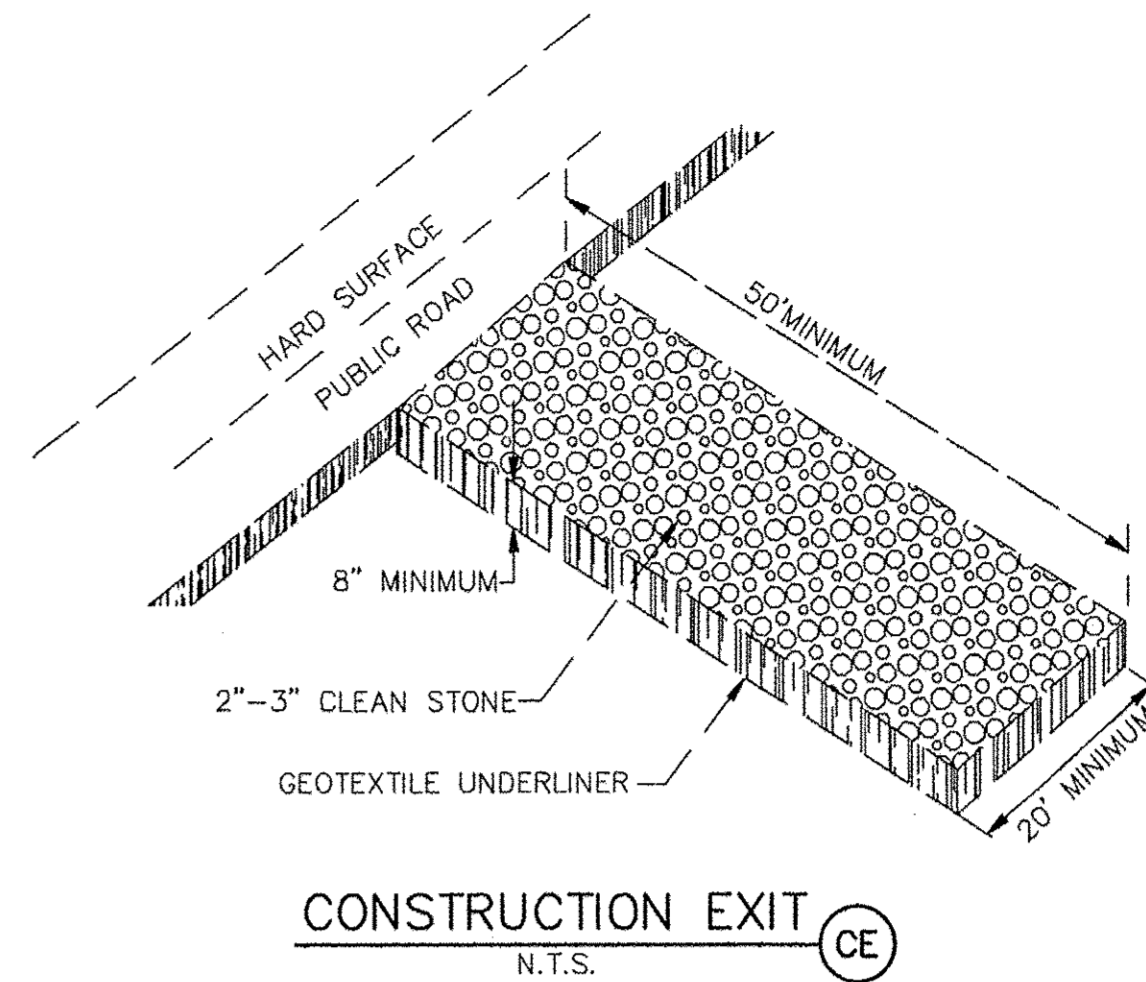


SILT FENCE MATERIAL TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH THREE TIES SPACED AT 30\"/>

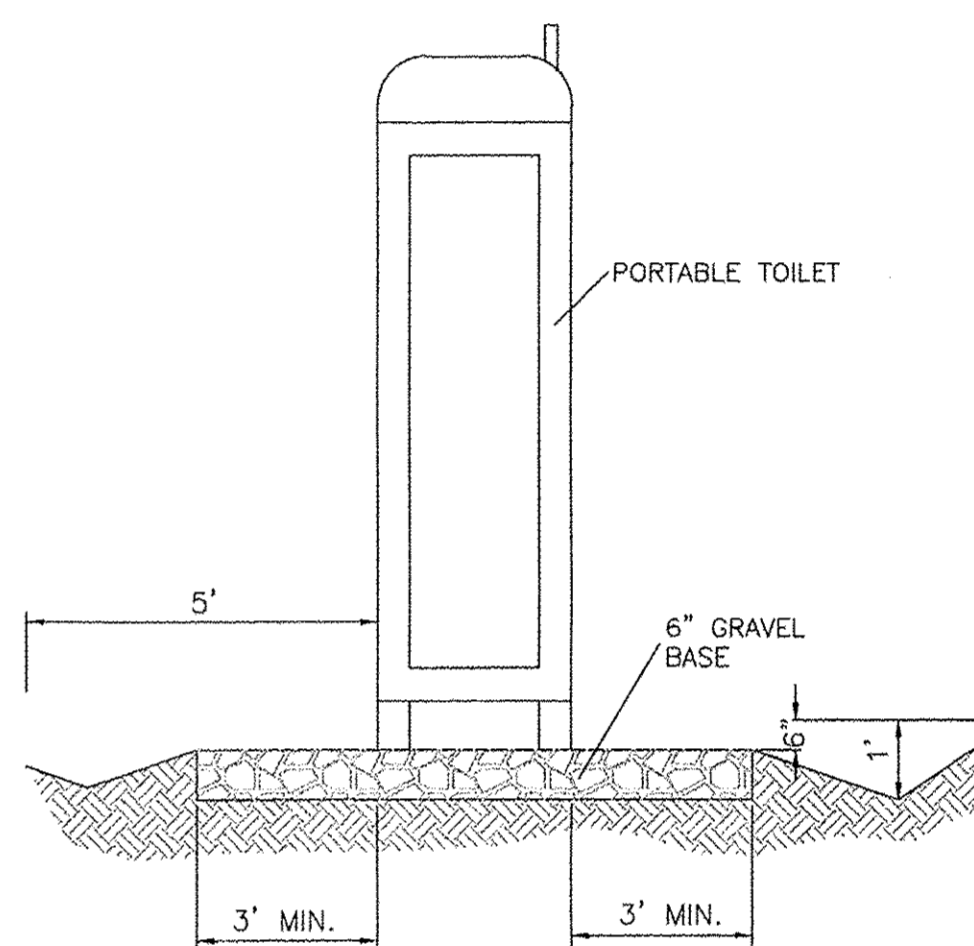
SECURELY FASTEN OVERLAPPING ENDS OF SILT FENCE MATERIAL TO ADJACENT STAKES WITH THREE WIRE TIES OR OTHER FASTENERS

POSTS: 2 X 4 WOODEN STAKE  
FENCE: WOVEN WIRE, 14-1/2 GA., 6\"/>

1. ATTACH THE WOVEN WIRE FENCE TO EACH POST AND THE GEOTEXTILE TO THE WOVEN WIRE FENCE (SPACED EVERY 30\"/>



CONSTRUCTION EXIT (CE)  
N.T.S.



PORTABLE TOILET CONTAINMENT DETAIL

<b>TERRA WEST, LLC</b> 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505)858-3100 www.tierrowestllc.com			
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: <b>U-HAUL • WEST BLUFF</b> TEMPORARY EROSION CONTROL AND SEDIMENTATION DETAILS			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
CITY PROJECT NO. 780382		ZONE MAP NO. H-11-Z	SHEET 7 OF 7

AS BUILT INFORMATION			
CONTRACTOR	VALUE	BENCH MARKS	DATE
WORK SITES	CENTRAL STATION DATA	DATE	DATE
STAKED BY	NM STATE PLANE COORDINATES	DATE	DATE
ACCEPTANCE BY	CENTRAL ZONE (NAD 27)	DATE	DATE
FIELD LOCATION BY	X=VALUE	DATE	DATE
DRAWINGS CORRECTED BY	Y=VALUE	DATE	DATE
MICRO-FILM INFORMATION	G=VALUE	DATE	DATE
RECORDED BY	D=VALUE	DATE	DATE
NO.	Elev=VALUE	DATE	DATE

U-HAUL - WEST BLUFF - 11-11-12