

DRIVEWAY IMPROVEMENTS FOR
LOT 2 DEL NORTE PLAZA
6400 HOLLY AVE, NE 87113
ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
SEPTEMBER 2017

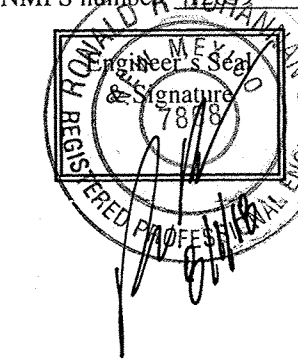
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INDEX TO DRAWINGS

- 1 TITLE SHEET
- 2 PLAT (FOR REFERENCE ONLY)
- 3 GRADING AND DRAINAGE PLAN (FOR REFERENCE ONLY)
- 4 DEMOLITION PLAN
- 5 PAVING IMPROVEMENTS
HOLLY AVENUE, N.E., STA 10+94.59 TO 11+87.40
- 6 SIGNING & STRIPING IMPROVEMENTS
- 7 DETAILS
- 8 EROSION & SEDIMENT CONTROL PLAN
- 9 ESC DETAILS

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

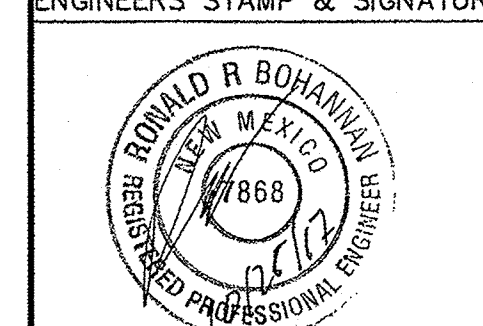
I, Ronald R. Bohannon, of the firm of Tierra West LLC, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me, or personnel under my direction with survey information provided by Andrew Medina, of Sandia Land Surveying, LLC, NMPS number B2699.



RECORD DRAWINGS

TIERRA WEST, LLC
5571 MIDWAY PARK PLACE NE
ALBUQUERQUE, NEW MEXICO 87109
505-858-3100
www.tierrawestllc.com

ENGINEERS STAMP & SIGNATURE



RONALD R. BOHANNAN
P.E. #7868

APPROVALS

DRC Chairman
Transportation
Water/Wastewater
Hydrology
AMAFCA
Constr. Mngmt.
Constr. Coord.

ENGINEER DATE

4/18/18
4-3-17
4-1-17
4-1-17

APPROVED FOR CONSTRUCTION

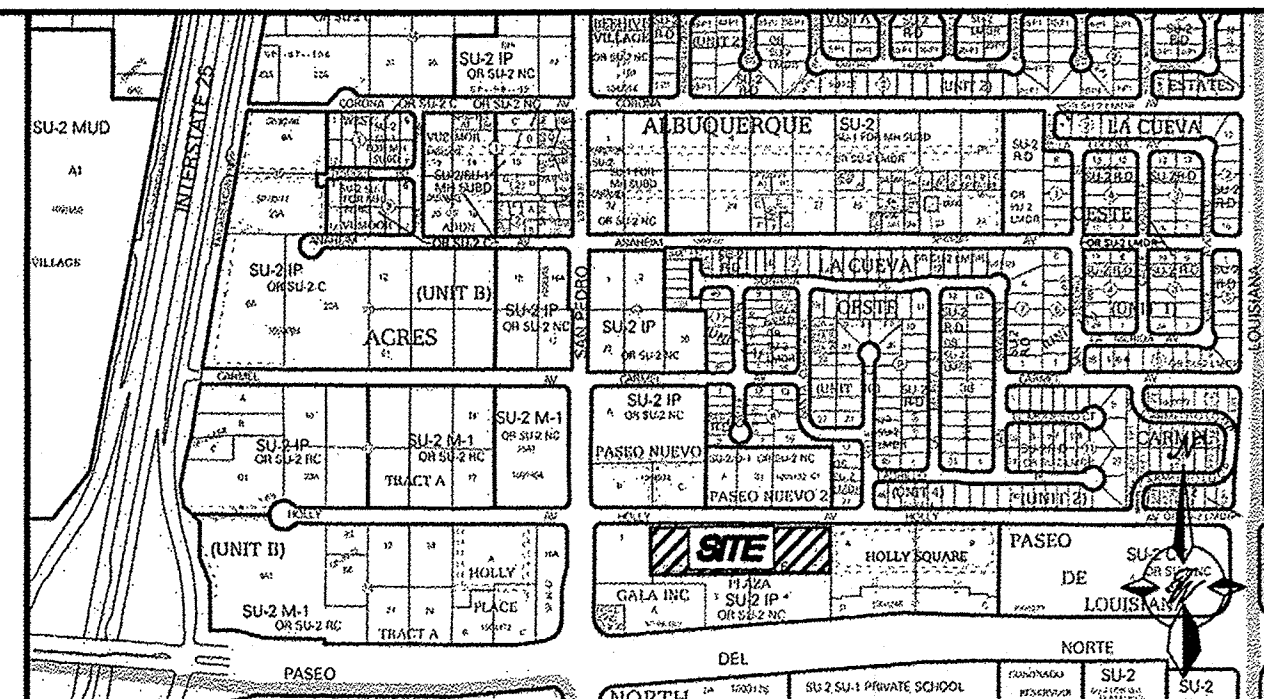
City Engineer
Date 4/20/18

CITY PROJECT NO.

686485

SHEET

OF 9



VICINITY MAP
C-18-Z
SCALE NONE

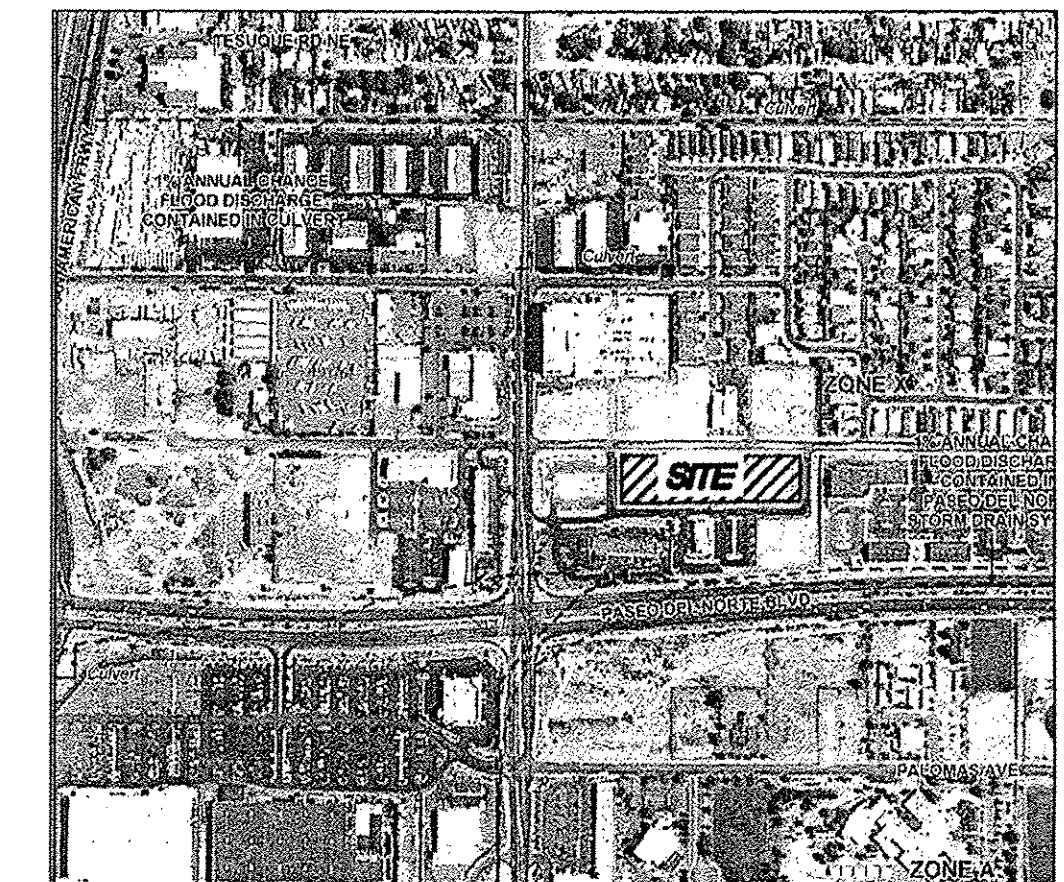
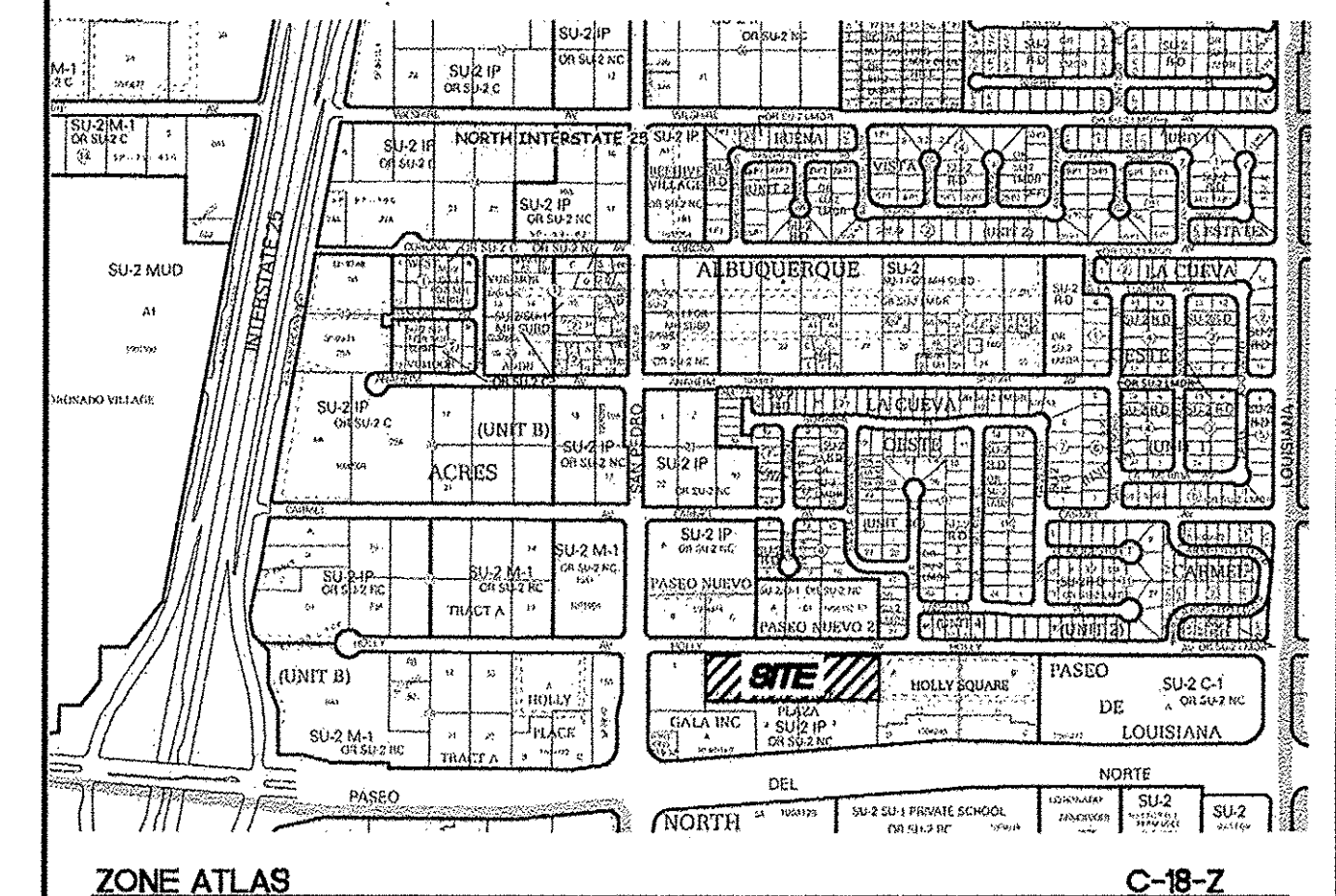
NOTICE TO CONTRACTORS

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 (280-1990) 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 BARRICADE PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (224-3400) 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 THE ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE 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 ABOVUA 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 VALVES. SHUTOFF REQUESTS MUST BE MADE ONLINE AT 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 CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
 - ☒ IF CURB IS DEEPRESSED 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.

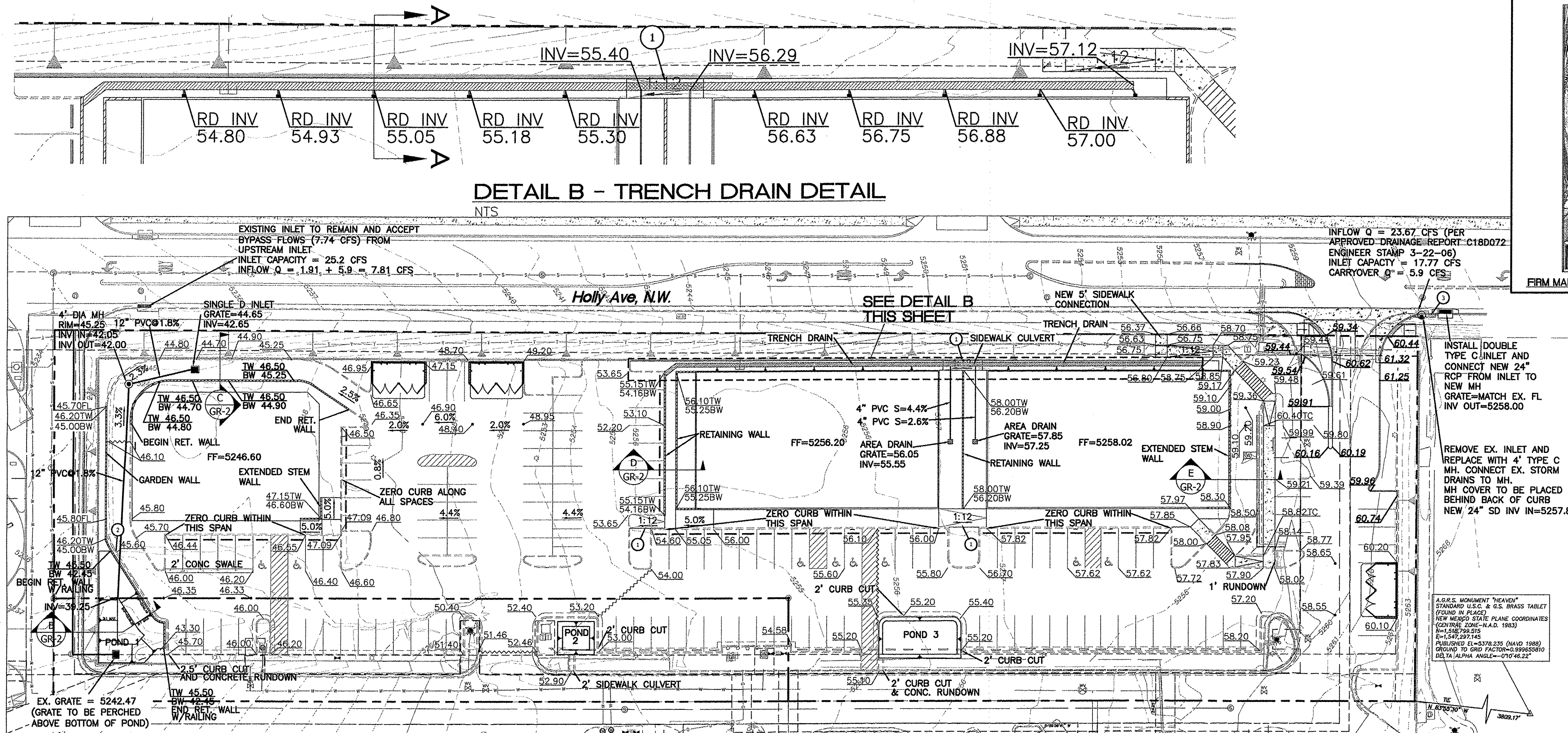
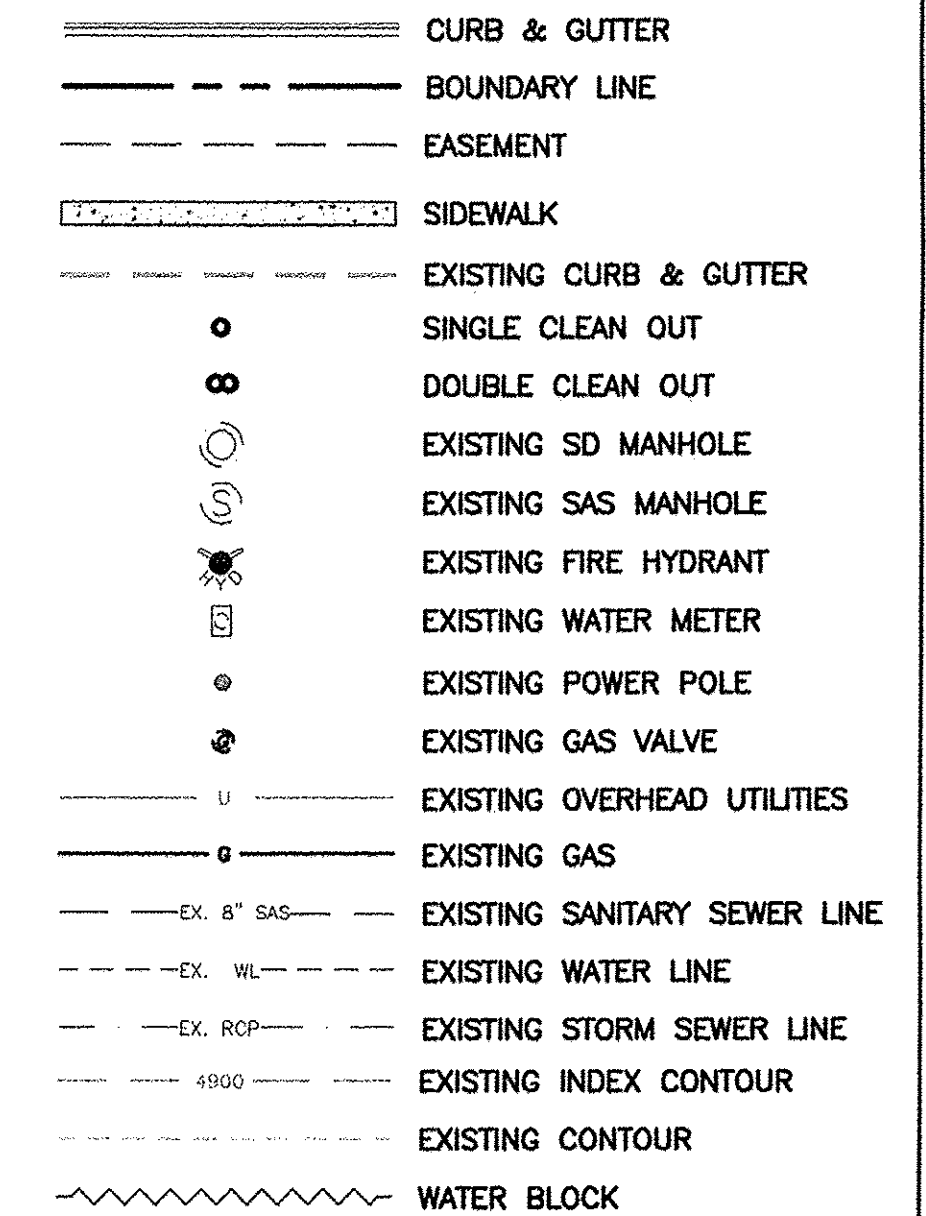


<u>Capacity of the grate:</u>		<u>Capacity of the Throat:</u>	
L	= 80" - 2(2" end) - 14(1/2" middle bars) - 6" center piece = 66 1/2" = 5.25'	L	= 7.40'
		H	= 10 3/4" - 4 1/2" = 6 1/4" = 0.5208'
W	= 25" - 13(1/2" middle bars) = 18.5" = 1.54'	Area	= 7.40' x 0.5208' = 3.85 ft ² at the throat
Area	= 5.25' x 1.54' = 8.09 ft ²	<u>Weir Equation</u>	
Effective Area	= 8.09 - 8.09 (0.5 clogging factor) = 4.04 ft ² at the grate	Q = CLH ^{1.48} (3/2) Q = 2.95 * 3.85 * 0.50 ^{1.48} (3/2) Q = 4.01 cfs	
<u>Orifice Equation</u>		<u>Total Capacity:</u>	
Q = CA sqrt(2gH) Q = 0.6*4.04*sqrt(2*32.2*0.50) Q = 13.75 cfs		Q = 15.93 _{grate} + 6.24 _{throat} Q = 17.77 cfs	

- | | | |
|-----------|------|------|
| APPROVAL | NAME | DATE |
| INSPECTOR | | |



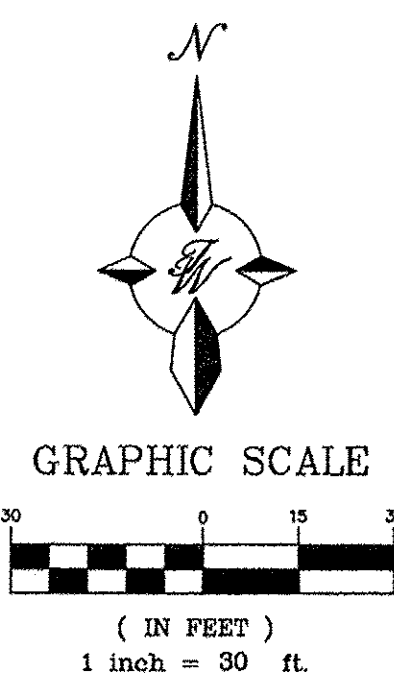
FIRM MAP 35001C0137H



DET POND	VOL REQUIRED	VOL PROVIDED	TOP ELEV	BOT ELEV
1	1665.73 CF	1667.15 CF	5242.45	5239.25
2	282.93 CF	301.84 CF	5253.00	5251.75
3	734.98 CF	737.08 CF	5255.20	5254.20

NOTE - 2:1 SIDE SLOPES FROM CURB TO TOP OF POND 1
3:1 MAX SIDE SLOPES FROM TOP TO BOTTOM OF POND 1
2:1 MAX SIDE SLOPES ON PONDS 2 AND 3

- 1 ADA RAMP WITH RAILING
- 2 2 FT CURB CUT
- 3 24" RCP FROM NEW DOUBLE C INLET TO NEW 4' TYPE C MH



1. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
2. 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.
3. BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE.
4. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
5. SOURCE OF TOPO IS ALTA/ACSM LAND TITLE SURVEY OF LOT 2 HARMS INDUSTRIAL PARK PREPARED BY PRECISION SURVEYS, INC DATED JUNE, 2014.

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 ACCEPTANCE OF ANY PROJECT.

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.

CPN# 686485
FOR REFERENCE ONLY
SHEET 3 OF 9

LOT 2 DEL NORTE PLAZA
ALBUQUERQUE, NM

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

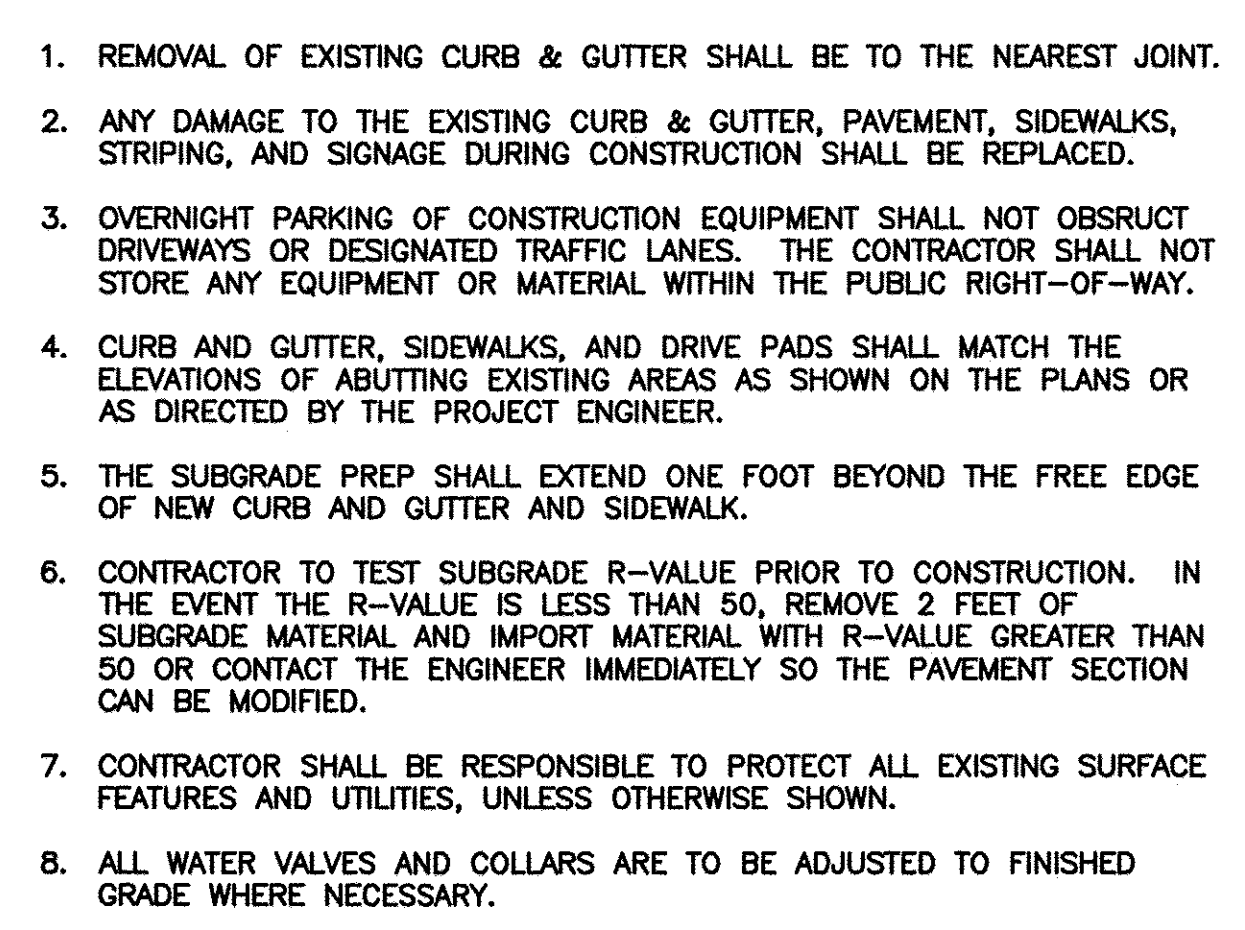
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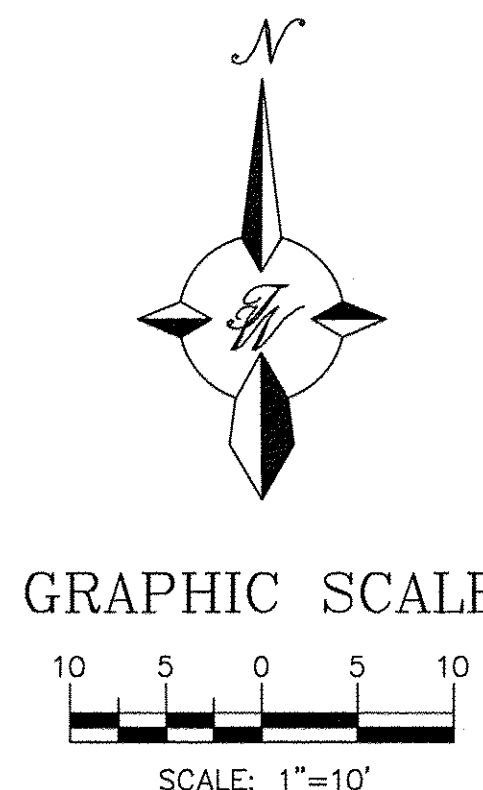
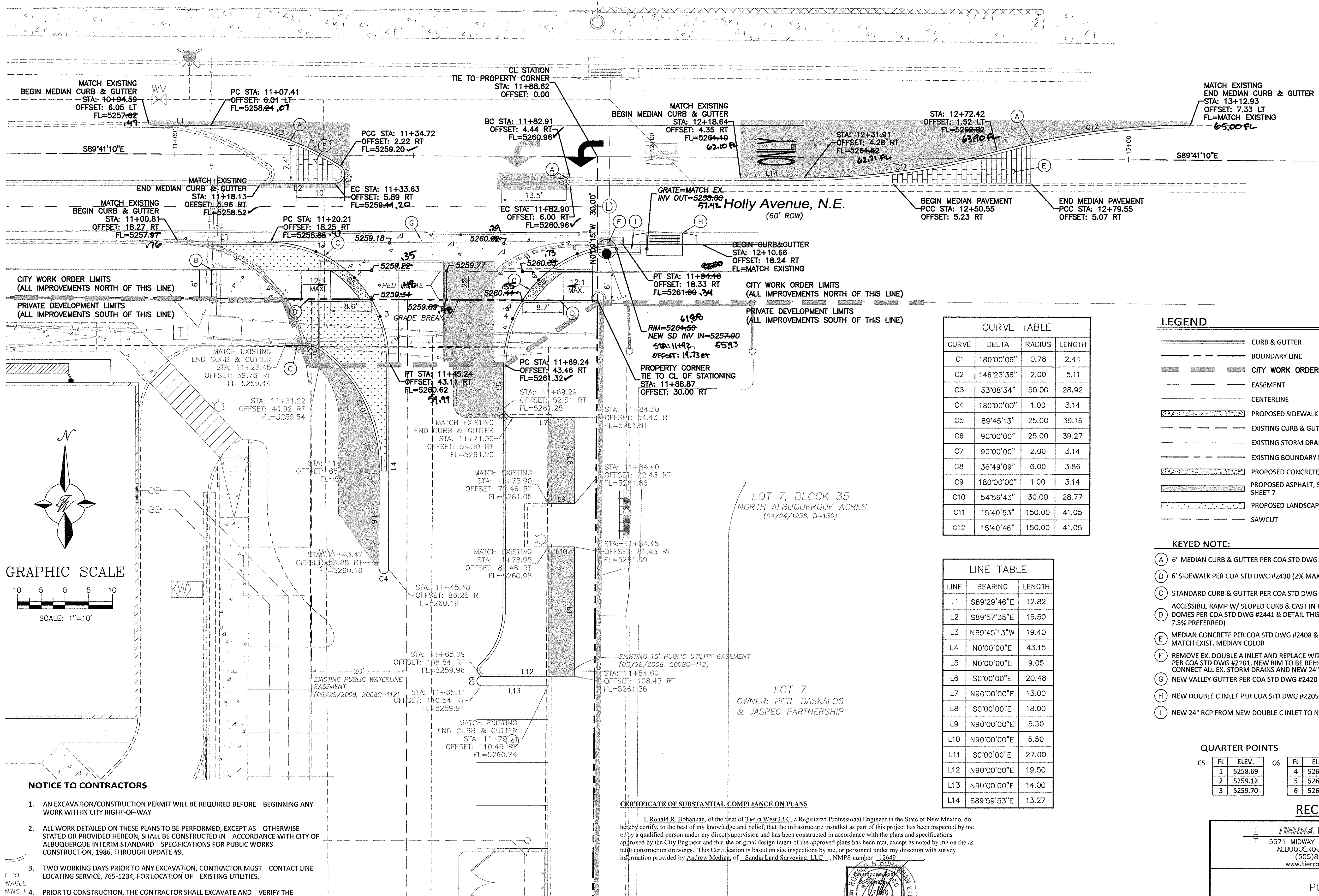
DATE
1-15-18

DRAWING
2015064-GR

SHEET #
GR-1

JOB #
2015064



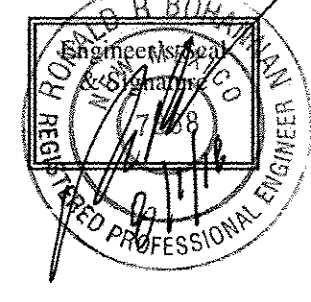


- NOTICE TO CONTRACTORS**
- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
 - ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986, THROUGH UPDATE #9.
 - TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
 - 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.
 - BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE.
 - WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.
 - ALL WATER VALVES AND COLLARS ARE TO BE ADJUSTED TO FINISHED GRADE WHERE NECESSARY.

CAUTION:
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.

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 Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me, or personnel under my direction with survey information provided by Andrew Medina, of Sandia Land Surveying, LLC, NMPIS number 12649.



PAVING NOTE:
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.

CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C1	180°00'06"	0.78	2.44
C2	146°23'36"	2.00	5.11
C3	33°08'34"	50.00	28.92
C4	180°00'00"	1.00	3.14
C5	89°45'13"	25.00	39.16
C6	90°00'00"	25.00	39.27
C7	90°00'00"	2.00	3.14
C8	36°49'09"	6.00	3.86
C9	180°00'00"	1.00	3.14
C10	54°56'43"	30.00	28.77
C11	15°40'53"	150.00	41.05
C12	15°40'46"	150.00	41.05

LINE TABLE		
LINE	BEARING	LENGTH
L1	S89°29'46"E	12.82
L2	S89°57'35"E	15.50
L3	N89°45'13"W	19.40
L4	N0°00'00"E	43.15
L5	N0°00'00"E	9.05
L6	S0°00'00"E	20.48
L7	N90°00'00"E	13.00
L8	S0°00'00"E	18.00
L9	N90°00'00"E	5.50
L10	N90°00'00"E	5.50
L11	S0°00'00"E	27.00
L12	N90°00'00"E	19.50
L13	N90°00'00"E	14.00
L14	S89°59'53"E	13.27

- LEGEND**
- CURB & GUTTER
 - BOUNDARY LINE
 - CITY WORK ORDER LIMITS
 - EASEMENT
 - CENTERLINE
 - PROPOSED SIDEWALK
 - EXISTING CURB & GUTTER
 - EXISTING STORM DRAIN
 - EXISTING BOUNDARY LINE
 - PROPOSED CONCRETE VALLEY GUTTER
 - PROPOSED ASPHALT, SEE PAVING SECTION SHEET 7
 - PROPOSED LANDSCAPE
 - SAWCUT

- KEYED NOTE:**
- 6" MEDIAN CURB & GUTTER PER COA STD DWG #2415A
 - 6" SIDEWALK PER COA STD DWG #2430 (2% MAX. CROSS SLOPE)
 - STANDARD CURB & GUTTER PER COA STD DWG #2415A
 - ACCESSIBLE RAMP W/ SLOPED CURB & CAST IN PLACE REPLACEABLE DOMES PER COA STD DWG #2441 & DETAIL THIS SHEET (8.3% MAX., 7.5% PREFERRED)
 - MEDIAN CONCRETE PER COA STD DWG #2408 & #2502. MATCH EXIST. MEDIAN COLOR
 - REMOVE EX. DOUBLE A INLET AND REPLACE WITH 4" TYPE C MANHOLE PER COA STD DWG #2101, NEW RIM TO BE BEHIND BACK OF CURB, CONNECT ALL EX. STORM DRAINS AND NEW 24" RCP TO MANHOLE
 - NEW VALLEY GUTTER PER COA STD DWG #2420
 - NEW DOUBLE C INLET PER COA STD DWG #2205
 - NEW 24" RCP FROM NEW DOUBLE C INLET TO NEW 4" MH

QUARTER POINTS

C5

FL	ELEV.
1	5258.69
2	5259.12
3	5259.70

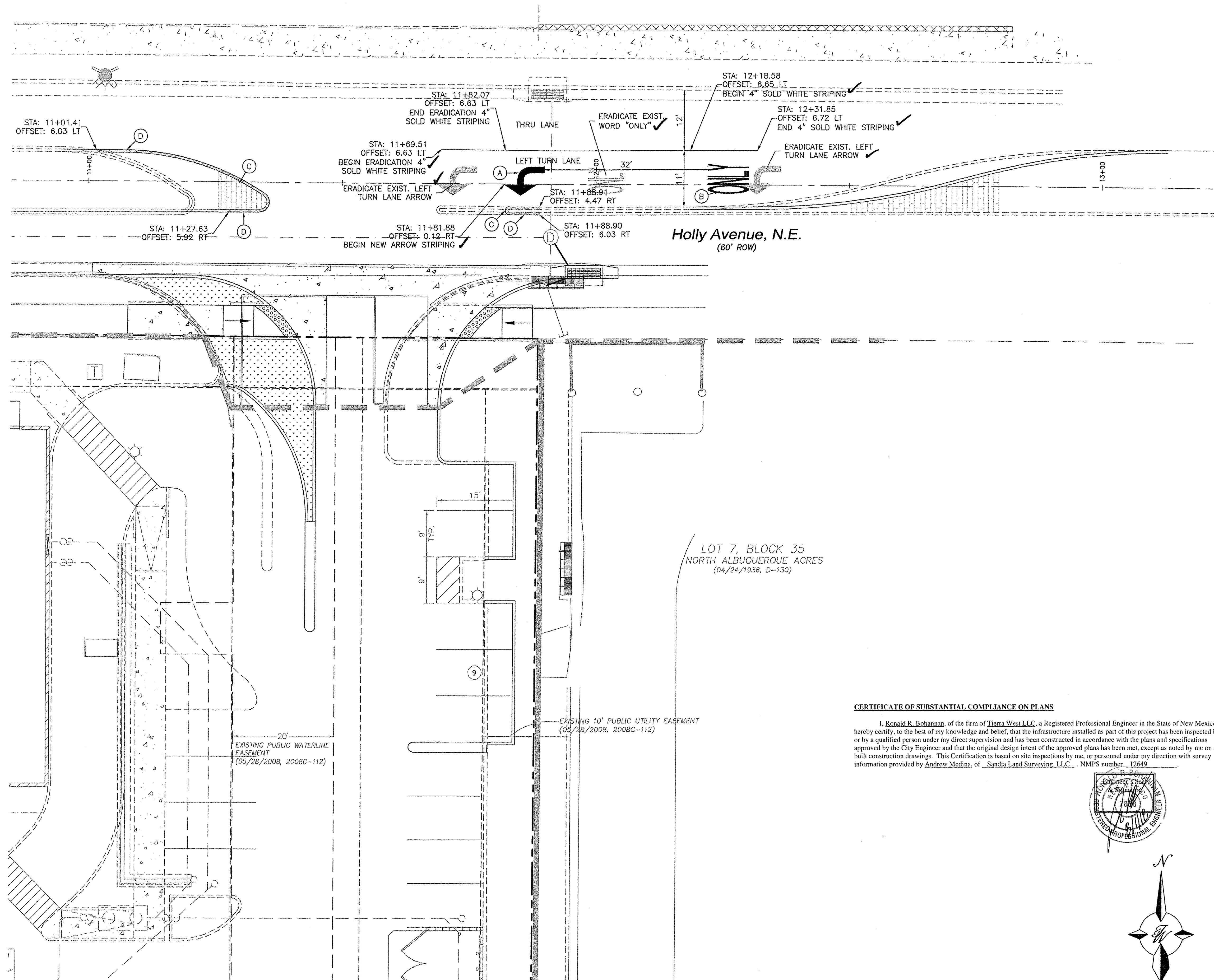
C6

FL	ELEV.
4	5260.72
5	5260.48
6	5260.64

RECORD DRAWINGS

TERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505)858-3100 www.tierrowestllc.com	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: LOT 2, DEL NORTE PLAZA PAVING IMPROVEMENTS HOLLY AVENUE, NE: STA: 1+50.00 TO 10+00.00	
DESIGN REVIEW COMMITTEE APPROVED FEB 14 2018 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL APPROVED APR 20 2018 CITY ENGINEER
CITY PROJECT NO. 686485	ZONE MAP NO. C-18-Z
SHEET 5 OF 9	

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	STANDARD U.S.C. & G.S. BRASS TABLE (FOUND IN PLACE)	DATE	FIELD NOTES	BY		REVISIONS
WORK STATIONED BY	DATE	A.C.R.S. MONUMENT "HEAVEN"	DATE	NO.	DATE		
FIELD ASSESSMENT BY	DATE	NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)	DATE				DESIGNED BY: VP
DESIGNATION BY	DATE	X=1547297.145	DATE				DRAWN BY: DY
CORRECTED BY	DATE	Y=1518799.515	DATE				DRAWING NAME: 2015064-SH05-PAVING
RECORDED BY	DATE	G=0=0.99955810	DATE				CHECKED BY: VP
	DATE	DATE=01046.22"	DATE				
	DATE	Elev=5378.235 (NAVD 1988)	DATE				



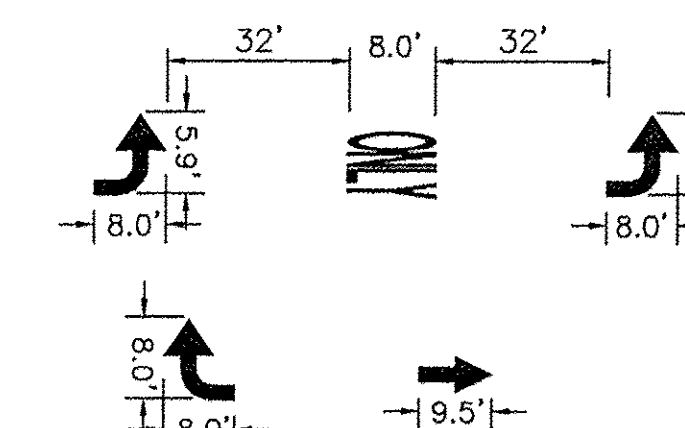
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LEGEND

-
- CURB & GUTTER**
- BOUNDARY LINE**
- CITY WORK ORDER LIMITS**
- EASEMENT**
- CENTERLINE**
- SIDEWALK**
- EXISTING CURB & GUTTER**
- EXISTING BOUNDARY LINE**
- EXISTING SIDEWALK**
- EXISTING LANE**
- EXISTING STRIPING**
- PROPOSED STRIPING**

KEYED NOTE

- ✓ (A) LEFT TURN LANE ARROW, THERMOPLASTIC
- ✓ (B) WORD "ONLY", THERMOPLASTIC
- ✓ (C) MEDIAN CONCRETE PER COA STD DWG #2408 & #2502.
MATCH EXIST. MEDIAN COLOR
- ✓ (D) YELLOW PAINT, 6 FT PAST PC & PT OF MEDIAN NOSE

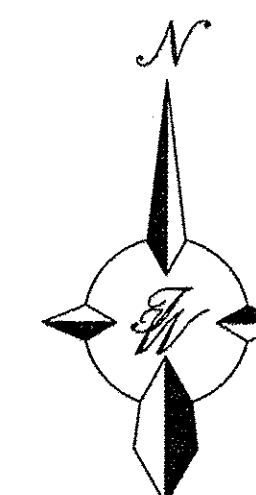
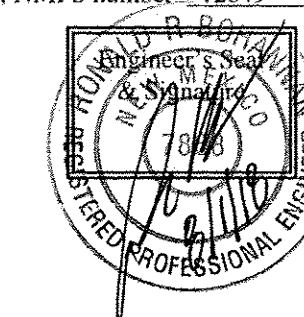


ARROW DETAILS

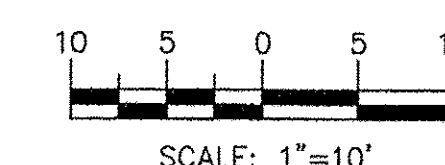
NOTE:
ALL LANE STRIPING SYMBOLS, STOP BARS AND
CROSSWALKS SHALL BE PREFORMED
THERMOPLASTIC TAPE.

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

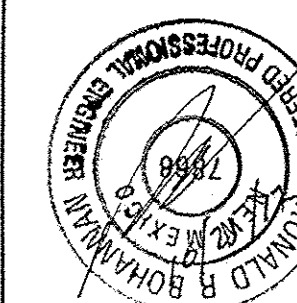
I, Ronald R. Bohanan, of the firm of Tierra West LLC, a Registered Professional Engineer in the State of New Mexico, do hereby certify that to the best of my knowledge, the infrastructure detailed as part of this project has been prepared by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me, or personnel under my direction with survey information provided by Andrew Medina, of Sandia Land Surveying, LLC., NMP# 12649.



GRAPHIC SCALE



SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	FIELD NOTES	BY	DATE	WORK	
				STANDARD U.S.C. & G.S. BRASS TABLET (FOUND IN PLACE)	CONTRACTOR C.S.I. INC. LLC.
				A.G.R.S. MONUMENT "HEAVEN"	STAKED BY <u>BRANDY LAMAR SWANN</u> DATE <u>2016</u>
				NEW MEXICO STATE PLANE COORDINATES	ACCEPTANCE BY <u>COATULL LLC</u> DATE <u>2016</u>
				(CENTRAL ZONE - N.A.D. 1983)	FIELD ACCEPTANCE BY <u>COATULL LLC</u> DATE <u>2016</u>
				X=1,547,297.145	DRAWINGS CORRECTED BY <u>TULL-CC</u> DATE <u>2016</u>
				Y=1,518,799.515	
				G-G=0.939655810	MICRO-FILM INFORMATION
					RECORDED BY _____ DATE _____
				Do= -070'46.22"	NO. _____

[illegible]

RECORD DRAWINGS

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

www.ci.albuquerque.com CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE:	LOT 2, DEL NORTE PLAZA SIGNING & STRIPING PLAN HOLLY AVENUE, NE

[illegible]

CITY PROJECT NO.		ZONE MAP NO.		SHEET		OF	
686485		C-18-7		6		9	



PLAN VIEW



NTS

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannan 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 Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me, or personnel under my direction with survey information provided by Andrew Medina, of Sandia Land Surveying, LLC, NMPS number 12649.

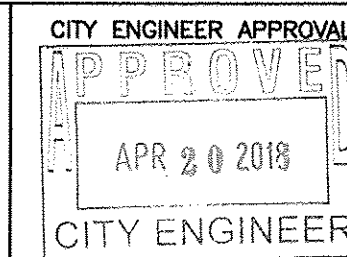


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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **LOT 2, DEL NORTE PLAZA**
DETAILS

HOLLY AVENUE, NE



AST DESIGN UPDATE

CITY PROJECT NO.

ZONE MAP NO.

NC

SHEET

OF

SHEET		7	OF	9
LAZA EMENT				
MO./DAY/YR.		MO./DAY/YR.		
DESIGNED BY: VP DATE: 9/26/2017		DESIGNED BY: VP DATE: 9/26/2017		
DRAWN BY: DY DATE: 9/26/2017		DRAWN BY: DY DATE: 9/26/2017		
DRAWING NAME: 2015064-SHOT-DETAILS JOB NO.: 2015064		DRAWING NAME: 2015064-SHOT-DETAILS JOB NO.: 2015064		
CHECKED BY: VP DATE: 9/26/2017		CHECKED BY: VP DATE: 9/26/2017		
ENGINEER'S SEAL				
REMARKS BY		REMARKS BY		
NO. DATE		NO. DATE		
DESIGN REVISIONS		DESIGN REVISIONS		
FIELD NOTES NO. BY DATE		FIELD NOTES NO. BY DATE		
STANDARD U.S.C. & G.S. BRASS TABLET (FOUND IN PLACE) A.C.R.S. MONUMENT "HEAVEN"		STANDARD U.S.C. & G.S. BRASS TABLET (FOUND IN PLACE) A.C.R.S. MONUMENT "HEAVEN"		
BENCH MARKS AS BUILT INFORMATION		BENCH MARKS AS BUILT INFORMATION		
CONTRACTOR: CS LLC, INC. WORK ACCEPTED BY: SUBURBAN LAND SURVEY, DATE: 2/18/2018 INSPECTORS ACCEPTANCE BY: COAL TULL LLC, DATE: 2/18/2018 FIELD VERIFICATION BY: COAL TULL LLC, DATE: 2/18/2018 DRAWINGS CORRECTED BY: TULL LLC, DATE: 2/18/2018 MICRO-FILM INFORMATION RECORDED BY DATE NO.		CONTRACTOR: CS LLC, INC. WORK ACCEPTED BY: SUBURBAN LAND SURVEY, DATE: 2/18/2018 INSPECTORS ACCEPTANCE BY: COAL TULL LLC, DATE: 2/18/2018 FIELD VERIFICATION BY: COAL TULL LLC, DATE: 2/18/2018 DRAWINGS CORRECTED BY: TULL LLC, DATE: 2/18/2018 MICRO-FILM INFORMATION RECORDED BY DATE NO.		

EROSION NOTES

TPS TEMPORARY PARKING AND STORAGE

LIMITS OF DISTURBANCE

WATTLE

EROSION DETAILS

CE TEMPORARY STONE CONSTRUCTION EXIT

SF TEMPORARY SILT FENCE

ST TEMPORARY SEDIMENT TRAP

SS SWPPP SIGN

W WATTLE-REFERENCE EC-2 FOR SPACING

P INLET PROTECTION-REFERENCE EC-2 FOR TYPE

GENERAL EROSION NOTES:

A. THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IS COMPRISED OF THE SWPPP BOOK, THE 2017 GENERAL CONSTRUCTION PERMIT, THIS DRAWING ("TEMPORARY EROSION CONTROL AND SEDIMENTATION PLAN"), STANDARD DETAILS ("TEMPORARY EROSION CONTROL AND SEDIMENTATION DETAILS"), EPA NOTICE OF INTENT PERMIT AND ALL SUBSEQUENT REPORTS, CORRECTIVE ACTIONS AND EROSION CONTROL RELATED DOCUMENTS.

B. ALL OPERATORS AS DESIGNATED, CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH SITE ACTIVITIES RELATED TO STORM WATER POLLUTION PREVENTION SHALL REVIEW A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP), THE 2017 CONSTRUCTION GENERAL PERMIT, THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES), THE CLEAN WATER ACT OF 1972 AND BECOME FAMILIAR WITH THEIR CONTENTS.

C. THE OPERATOR IN CONTROL OF DAILY SITE ACTIVITIES SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS THAT MAY OCCUR AT NO ADDITIONAL COST TO PROJECT OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.

D. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO ALL FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. OPERATOR WITH CONTROL OF DAILY SITE ACTIVITIES SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY, LOCAL JURISDICTIONAL AUTHORITY OR SWPPP COMPLIANCE INSPECTOR.

E. THE TEMPORARY EROSION CONTROL AND SEDIMENTATION PLAN IS A WORKING DOCUMENT AND IS REQUIRED TO BE UPDATED WITHIN 24 HOURS OF ANY CHANGES WHEN BMP'S ARE REPAIRED, RELOCATED OR REMOVED BY NOTING ON THE PLAN THE AREAS AND DATES OF THE REPAIRS, RELOCATIONS OR REMOVALS. AN ACTIVE COPY OF THE PLAN SHALL BE POSTED IN THE JOB SITE TRAILER ONSITE AND MUST BE MAINTAINED CURRENT AT ALL TIMES.

F. CONTRACTOR SHALL MINIMIZE CLEARING AND EARTH DISTURBANCE TO THE MAXIMUM ACREAGE AS REQUIRED BY THE EPA CONSTRUCTION GENERAL PERMIT.

G. CONTRACTOR SHALL DENOTE ON THIS PLAN, THE LOCATION OF TEMPORARY PARKING, STORAGE, PORTABLE SANITARY FACILITIES, OFFICE TRAILERS, AND ALL SUPPORT AREAS. RELOCATIONS OF EACH SHALL ALSO BE DOCUMENTED AS THEY OCCUR.

H. ALL WASH OUT WATER USED FOR CONCRETE, MASONRY, PAINT AND OTHER MATERIALS SHALL HAVE ADEQUATE SIGNAGE WITH PROPER CONTAINMENT AND DISPOSED OF PROPERLY WHEN CAPACITY REACHES 50% OR PER VENDOR RECOMMENDATIONS. VENDORS AND TRADESMEN SHALL BE INFORMED OF THE REQUIREMENTS TO USE THE WASH OUT.

I. A SPILL KIT SHALL BE READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS. A DISCHARGE OF ANY MATERIAL IN A QUANTITY THAT MAY WITHIN REASONABLE PROBABILITY CAUSE, INJURE OR BE DETRIMENTAL TO HUMAN HEALTH, ANIMAL OR PLANT LIFE, OR PROPERTY; OR INTERFERE WITH THE PUBLIC WELFARE MUST BE REPORTED TO THE NEW MEXICO ENVIRONMENTAL DEPARTMENT HOTLINE AT (505) 827-9329 FOR EMERGENCIES OR FOR NON EMERGENCIES AT (866) 428-6535.

IF UNSURE IF THE SPILL IS OF A SIGNIFICANT QUANTITY, THE SPILL SHOULD BE REPORTED TO THE HOTLINE AND INFORMATION PROVIDED WITH DETAILS OF THE SPILL FOR FURTHER ACTIONS.

J. DUST DURING CONSTRUCTION OPERATIONS SHALL BE FREQUENTLY CONTROLLED BY WATER SUPPRESSION METHODS ONLY. EARTH DISTURBING OPERATIONS SHALL CEASE IF HIGH WINDS ABOVE 35 MPH ARE PRESENT. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS IS STRICTLY PROHIBITED. OTHER CHEMICALS USED FOR DUST SUPPRESSION MUST BE APPROVED BY THE EPA PRIOR TO THEIR USE.

K. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED, COVERED, LEAK PROOF CONTAINERS. CONTAINERS SHALL BE DISPOSED OF PROPERLY WHEN CAPACITY IS REACHED. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORMWATER.

L. ALL STORM WATER POLLUTION PREVENTION MEASURES AND CONTROLS PRESENTED ON THIS PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE INITIATED PER THE SEQUENCE OF CONSTRUCTION AS NOTED.

M. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS BEEN TEMPORARILY SUSPENDED FOR 14 DAYS, SHALL HAVE TEMPORARILY STABILIZATION IN PLACE NO LATER THAN 14 DAYS FROM THE LAST DATE OF CONSTRUCTION ACTIVITY OCCURRING THESE AREAS.

N. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL HAVE PERMANENT CONTROLS IN PLACE NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS.

O. IF THE ACTION OF VEHICLES OR EQUIPMENTS TRAVELING OVER THE CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD FROM LEAVING THE SITE. THEN THE LENGTH OF THE EXIT SHOULD BE EXTENDED TO PROVIDE ADDITIONAL TIRE ROTATIONS, LARGER ROCK MAY BE USED TO CREATE A SUFFICIENT JARRING MOTION OR INSTALL A TIRE WASH OFF WITH A SEDIMENT TRAP BEFORE LEAVING THE SITE.

P. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

Q. THE OPERATOR IN CHARGE OF THE DAILY SITES ACTIVITIES WILL BE RESPONSIBLE FOR REMOVING SEDIMENT OR SOILS ACCUMULATING MORE THAN 50% OF THE DESIGN CAPACITY IN DETENTION PONDS, SILT FENCING OR OTHER SIMILAR EROSION CONTROLS.

R. ON-SITE & OFFSITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES, AS REQUIRED PER THE CONSTRUCTION GENERAL PERMIT. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE ESC PLAN AND PERMITTED IN ACCORDANCE WITH LOCAL AUTHORITIES HAVING JURISDICTIONAL CONTROL.

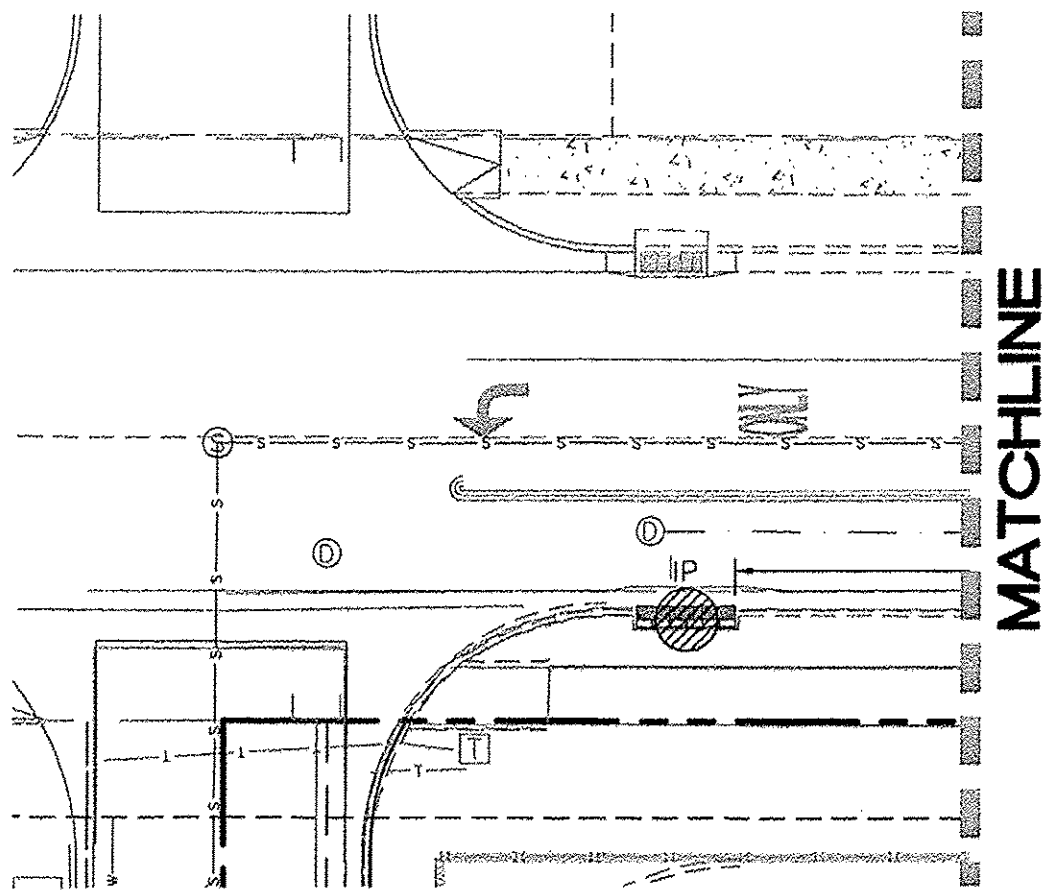
S. SLOPES SHALL BE LEFT WITH CROSS SLOPE GRADING PATTERN AND IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION RILLS. EXCESSIVE SLOPES MAY REQUIRE ADDITIONAL INDUSTRY STANDARD CONTROLS TO PREVENT EROSION.

T. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE OPERATOR IN CONTROL OF THE SITE'S DAILY ACTIVITIES SHALL BE RESPONSIBLE FOR ADJUSTING AND MAINTAINING ALL EROSION CONTROL TO PREVENT EROSION T.

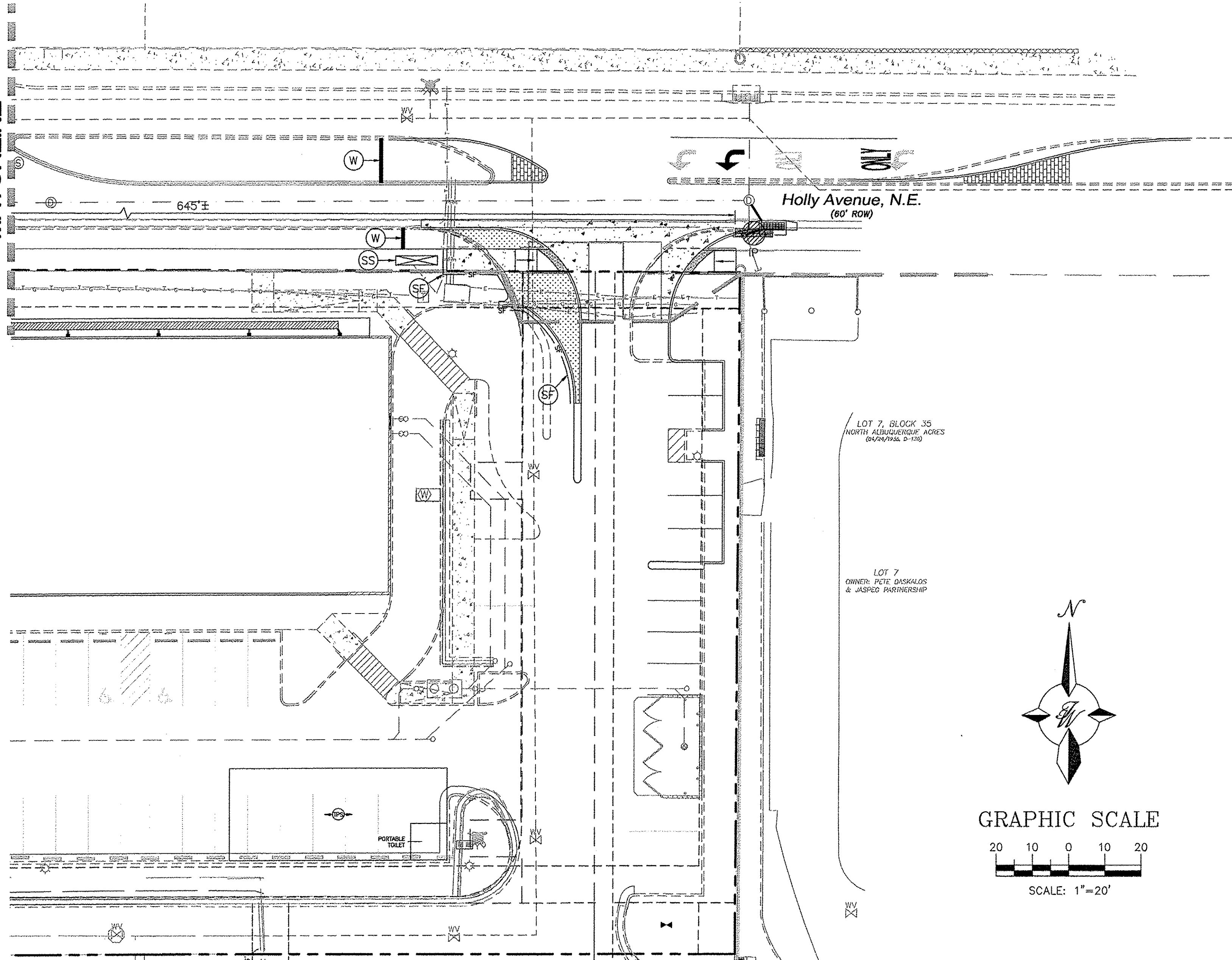
U. ALL DISTURBED AREAS SHALL BE SUPPRESSED BY WATER AND ALL CONTROLS LEFT IN GOOD WORKING CONDITION AT THE END OF EACH WORKING DAY, THIS INCLUDES REPLACEMENT OF SILT FENCING AND/OR OTHER SURFACE CONTROLS, TRACK OUT SWEEP CLEAN, BACKFILL OF OPEN TRENCHES AND ANY OTHER EROSION CONTROLS.

CAUTION:

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.



MATCHLINE



EROSION CONTROL NOTES:

- CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT FROM THE LOCAL JURISDICTIONAL AUTHORITY PRIOR TO BEGINNING WORK.
- THE OPERATOR WITH CONTROL OF THE DAILY SITES ACTIVITIES IS RESPONSIBLE FOR MAINTAINING RUN-OFF and RUN ON OF SITE DURING CONSTRUCTION.
- THE OPERATOR WITH CONTROL OF THE DAILY SITES ACTIVITIES 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 HAVE APPROPRIATE CONTROLS TO PROTECT FROM WIND AND WATER EROSION DURING ALL PHASES OF THE PROJECT.
- STOCKPILES INACTIVE FOR 14 DAYS ARE REQUIRED TO HAVE TEMPORARY STABILIZATION OR APPROPRIATE COVER TO CONTROL WIND AND WATER EROSION.
- THE OPERATOR WITH CONTROL OF THE DAILY SITES ACTIVITIES IS REQUIRED TO MAINTAIN ALL SITE BMP'S IN GOOD CONDITION FOR THE DURATION OF THE PROJECT UNTIL A NOTICE OF TERMINATION IS ACCEPTED BY THE EPA.
- IF SITE EARTH DISTURBANCES EXCEED 5 ACRES AT ANY ONE TIME, TEMPORARY AND/OR PERMANENT STABILIZATION MUST BE COMPLETED WITHIN 7 DAYS WHEN AREA BECOMES INACTIVE OR EARTH DISTURBING ACTIVITIES ARE COMPLETE. SITE EARTH DISTURBANCES OF LESS THAN 5 ACRES, HAVE 14 DAYS TO PROVIDE TEMPORARY OR PERMANENT STABILIZATION WHEN AREA BECOMES INACTIVE OR EARTH DISTURBING ACTIVITIES ARE COMPLETE.

BMP MAINTENANCE:

ALL MEASURES STATED IN THIS EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR UNTIL FINAL STABILIZATION OF THE SITE IS ACHIEVED. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED AT THE END OF THE WORKDAY BY A QUALIFIED MEMBER OF THE SWPPP COMPLIANCE TEAM.

THE OPERATOR WITH CONTROL OF THE SITES DAILY ACTIVITIES IS RESPONSIBLE TO MAINTAIN, CLEAN AND REPAIR EROSION CONTROLS IN ACCORDANCE WITH THE FOLLOWING:

- INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED, IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION. SEDIMENT SHALL BE REMOVED TO INSURE PROPER FLOWS. INLET PROTECTION TYPES MAY NEED TO BE MODIFIED DURING THE CONSTRUCTION PROGRESS.
- ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND OF VEGETATION IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RE-SEEDED AS NEEDED.
- SILT FENCES, WADDLES OR OTHER CONTROLS SHALL BE REPLACED OR REPAIRED TO PROPER FUNCTIONING CONDITION, IF DAMAGED. SEDIMENT AND SOIL SHALL BE REMOVED WHEN REACHES ONE-HALF THE HEIGHT OF THE CONTROL.
- THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF SEDIMENT ONTO PUBLIC OR PRIVATE ROADWAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING, EXTENDING OR OTHER MODIFICATIONS TO THE CONSTRUCTION EXITS AS CONDITIONS DEMAND. SITE TRAFFIC SHOULD BE LIMITED TO THE CONTROLLED EXITS ONLY.
- SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 50%.
- REFERENCE THE SWPPP BOOK FOR ALL EROSION CONTROL MAINTENANCE PROCEDURES AND FREQUENCIES. CONSULT THE SWPPP PREPARER WITH ANY QUESTIONS REGARDING THIS SWPPP AND ITS REQUIREMENTS.

SEQUENCE OF CONSTRUCTION:

- INSTALL STABILIZED CONSTRUCTION ENTRANCES.
- POST PUBLIC NOTICE PER DETAIL
- INSTALL DOWN GRADIENT PERIMETER CONTROLS.
- INSTALL SEDIMENT CONTROLS AT INLETS AND DRAINAGE STRUCTURES.
- INSTALL SEDIMENT TRAP BASINS INCLUDING EMERGENCY OVERFLOW.
- NOTIFY SWPPP COMPLIANCE INSPECTOR OF COMPLETION OF THE ABOVE.
- BEGIN GRUBBING AND SOIL DISTURBING ACTIVITIES.
- PROVIDE POSITIVE GRADES TOWARDS SEDIMENT PONDS DURING SITE GRADING.
- INSTALL INTERMEDIATE CONTROLS OF STEEP SLOPES.
- PROVIDE TEMPORARY STABILIZATION OF DISTURBED AREAS OR STOCKPILES.
- START CONSTRUCTION OF BUILDING PAD AND STRUCTURES.
- FINISH GRADING THE SITE.
- COMPLETE SITE FINAL STABILIZATION

FOR REFERENCE ONLY

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

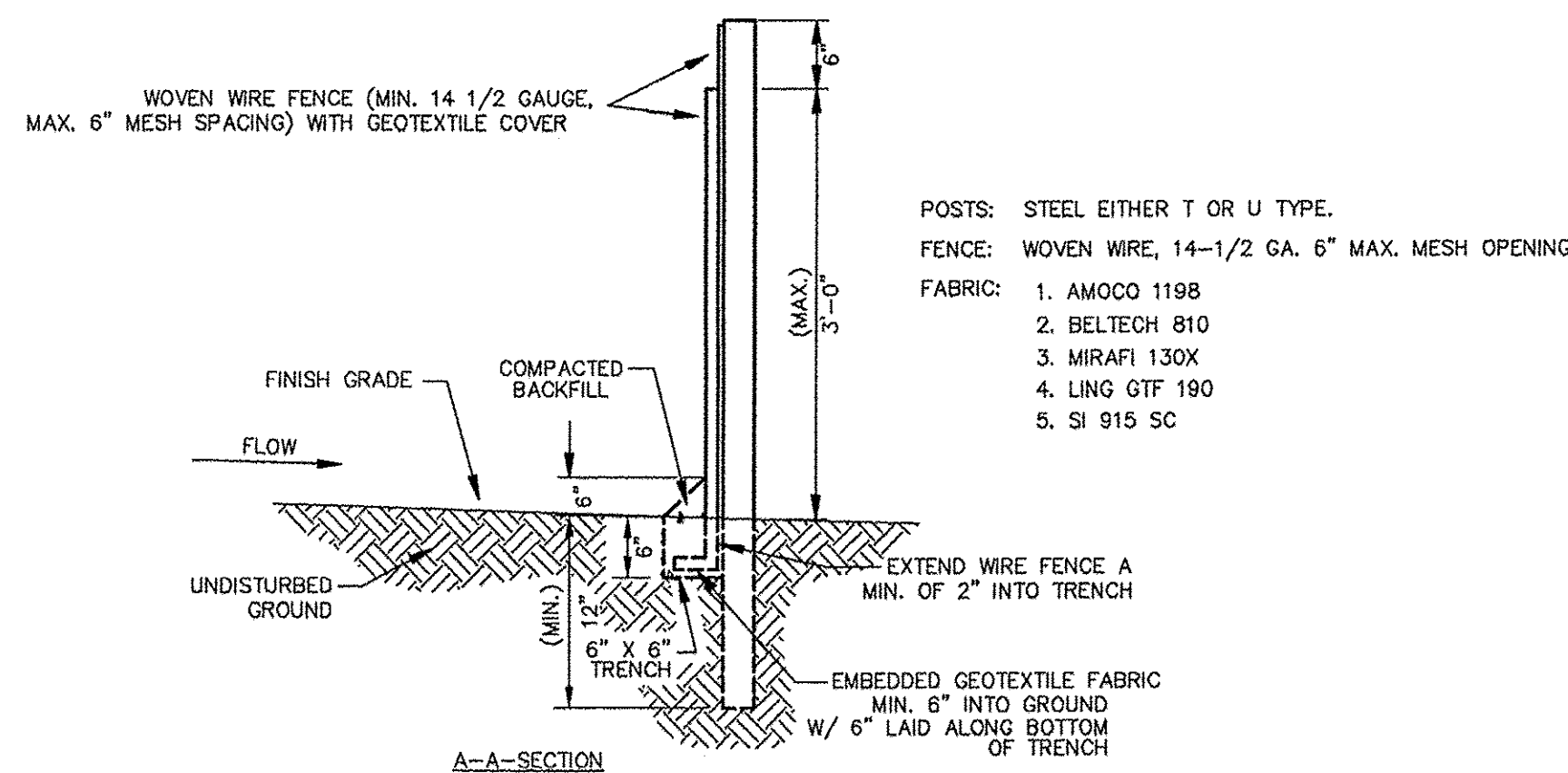
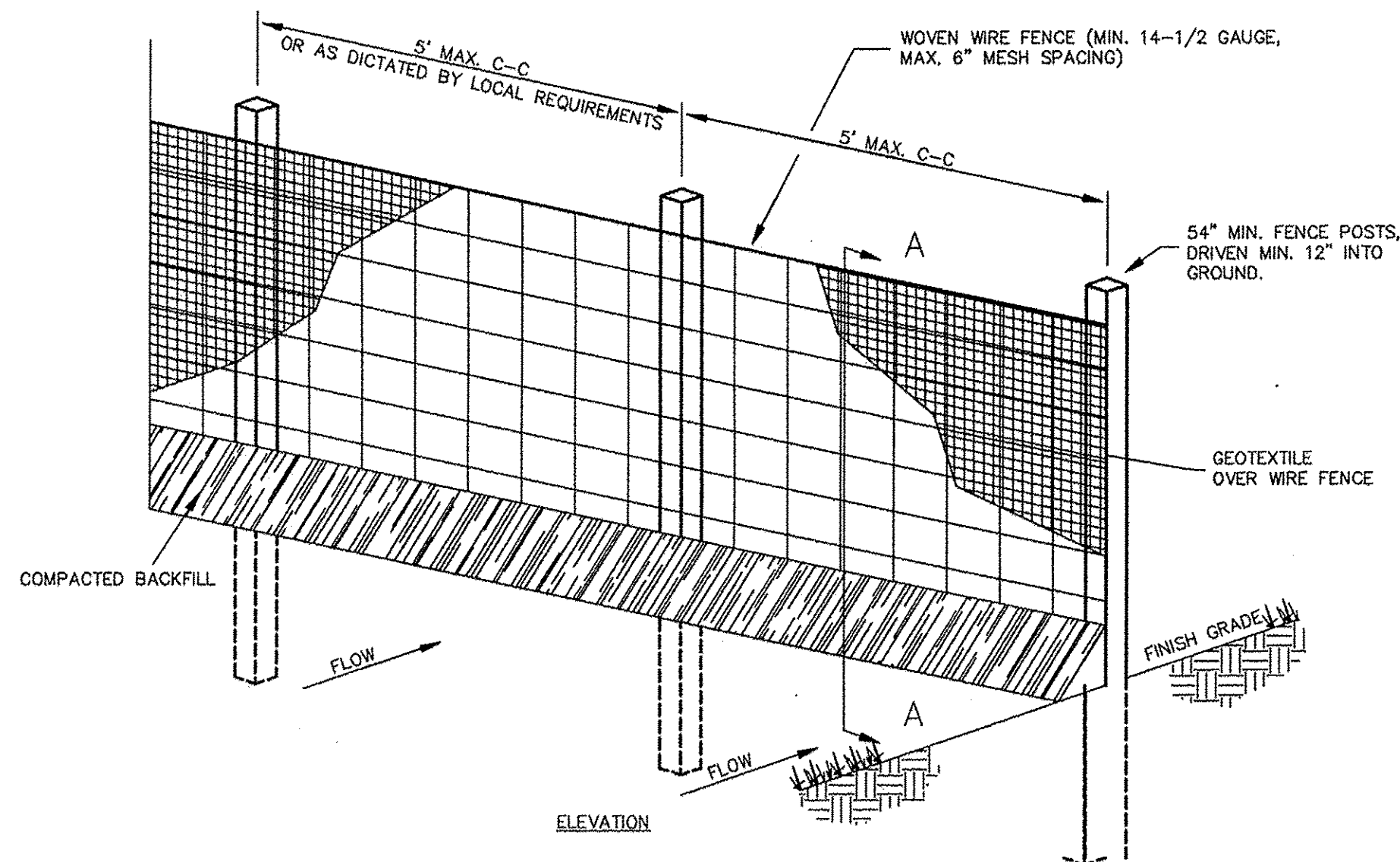
TITLE:
LOT 2, DEL NORTE PLAZA
EROSION & SEDIMENT CONTROL PLAN
HOLLY AVENUE, NE

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

686485

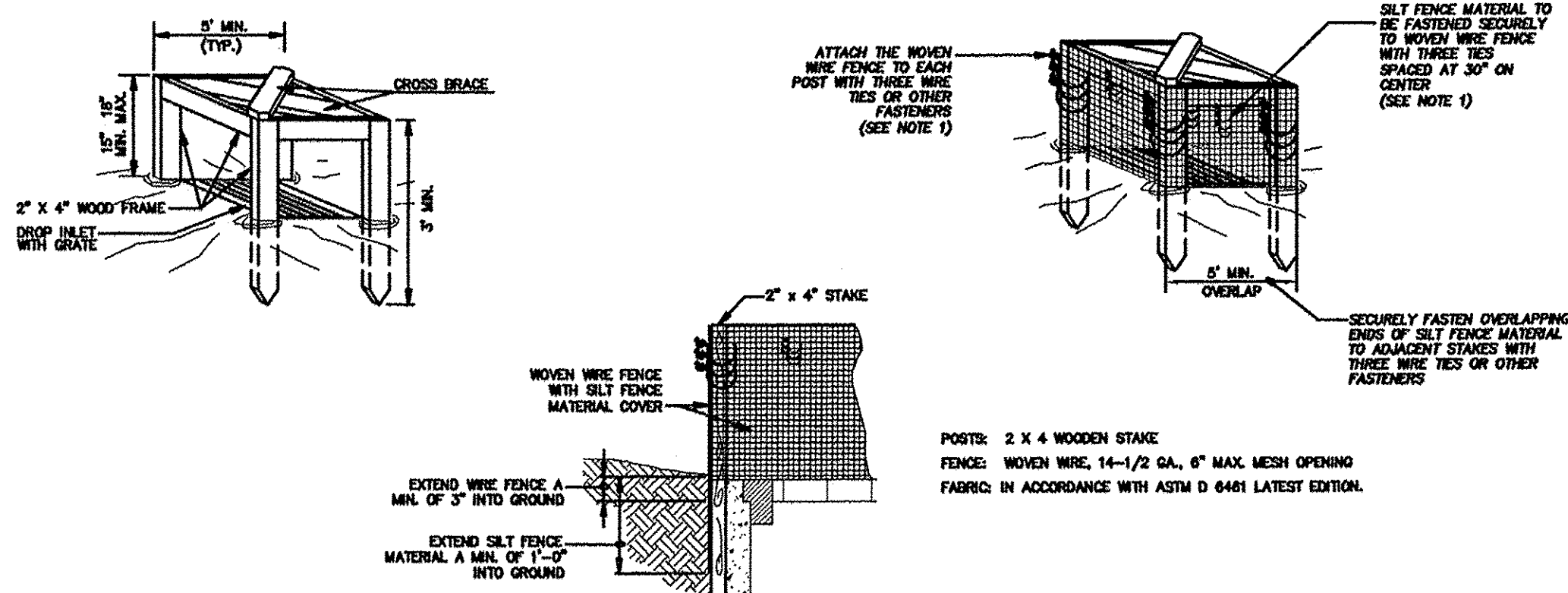
ZONE MAP NO.
C-18-Z

SHEET
8 OF
9



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.



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

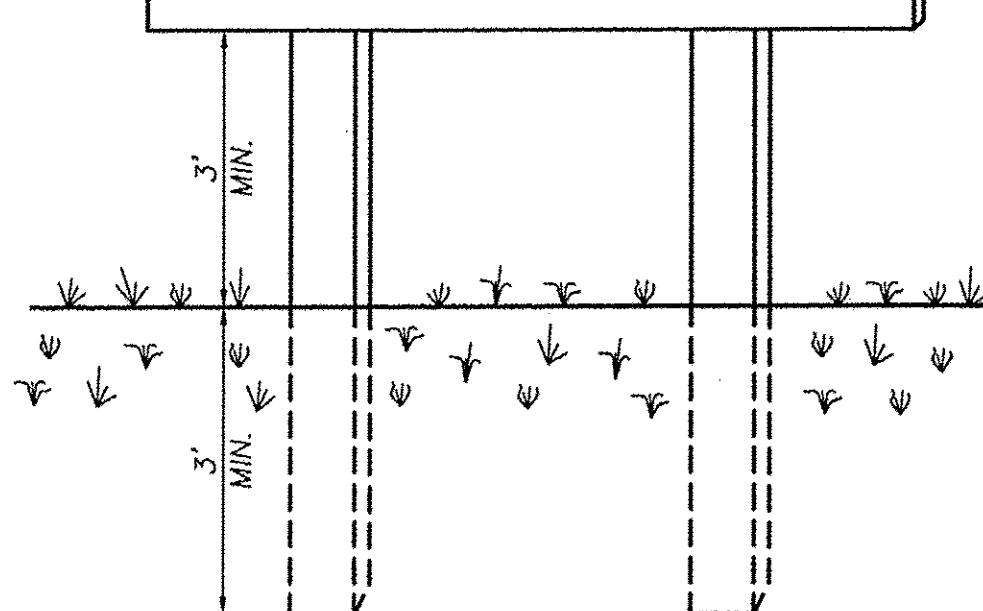
SILT FENCE INLET PROTECTION (IP6)
N.T.S.

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.).

NPDES PERMIT # NMR000
CONTACT: NAME, #

If you would like to obtain a copy of the Stormwater Pollution Prevention Plan (SWPPP) for this site, contact the EPA Region 6 office at (214) 665-7217

If you observe indicators of stormwater pollutants in the discharge or in the receiving waterbody, contact the EPA through the following website:
"www.epa.gov/enforcement/report-environmental-violations"



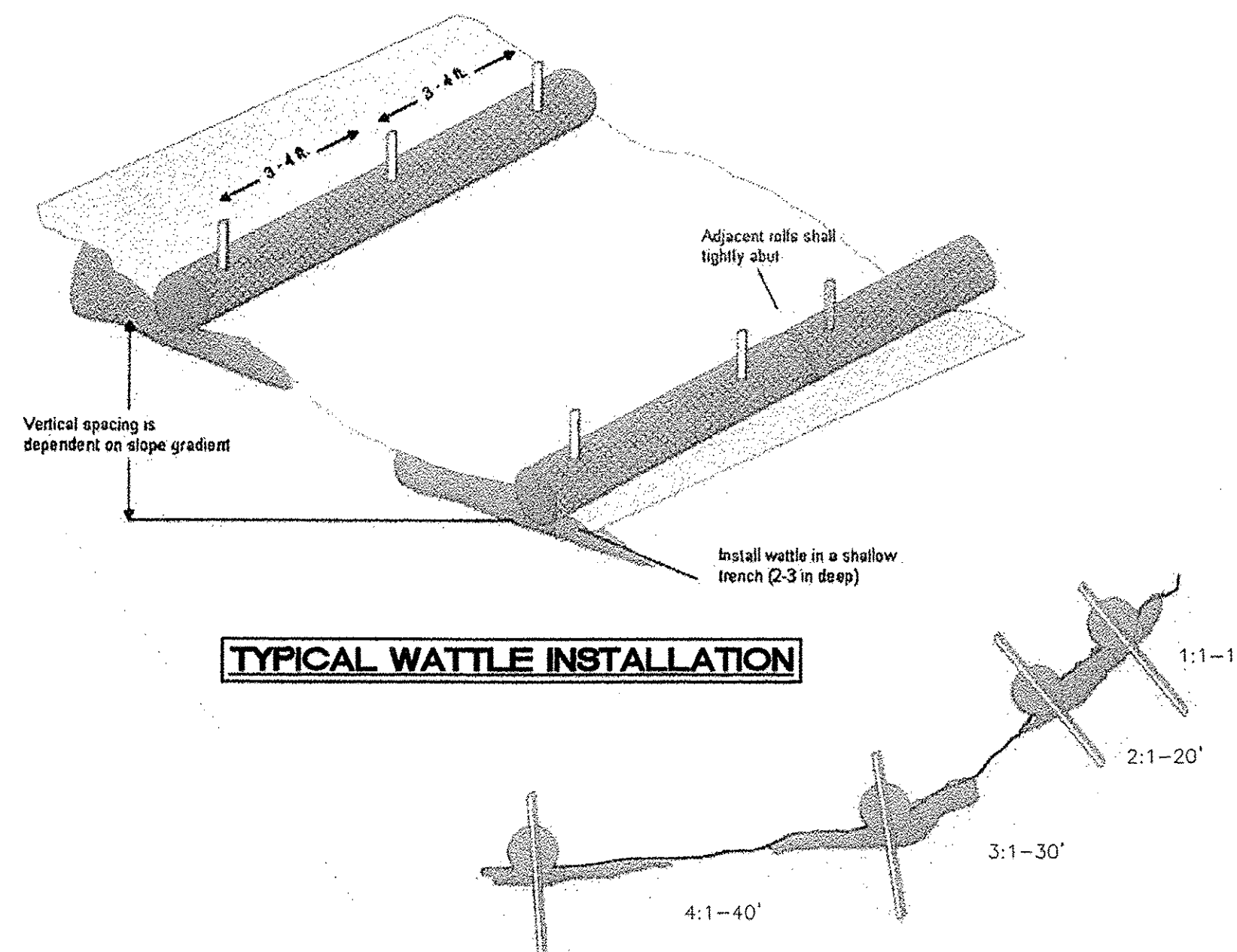
SWPPP POSTING REQUIREMENTS:

You must post a sign or other notice of your permit coverage at a safe, publicly accessible location in close proximity to the construction site. The notice must be located so that it is visible from the public road that is nearest to the active part of the construction site, and it must use a font large enough to be readily viewed from a public right-of-way.

At a minimum, the notice must include:

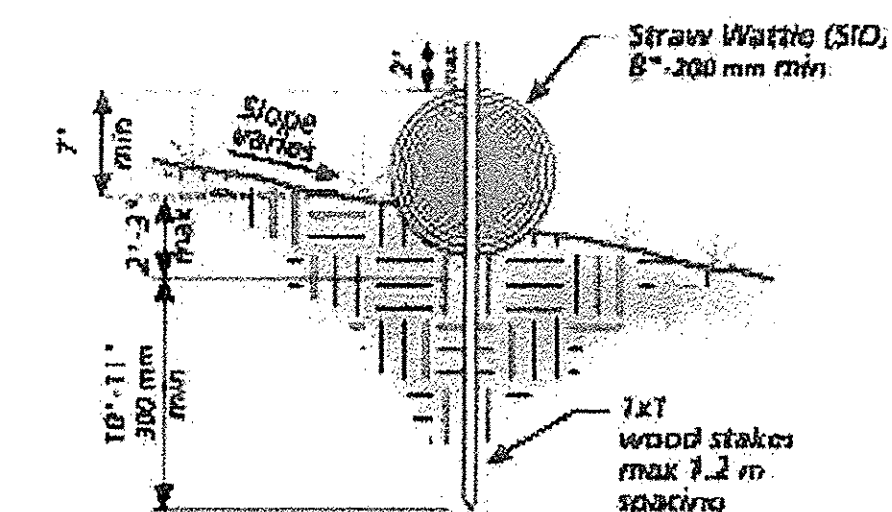
- 1) The NPDES ID (i.e., permit tracking numbers assigned to the project)
- 2) A contact name and phone number for obtaining additional construction site information;
- 3) A website where a copy of the SWPPP may be viewed or the following statement: "If you would like to obtain a copy of the Stormwater Pollution Prevention Plan (SWPPP) for this site, contact the EPA Region 6 office at (214) 665-7217" and;
- 4) The following statement "If you observe indicators of stormwater pollutants in the discharge or in the receiving waterbody, contact the EPA through the following website:
"www.epa.gov/enforcement/report-environmental-violations."

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

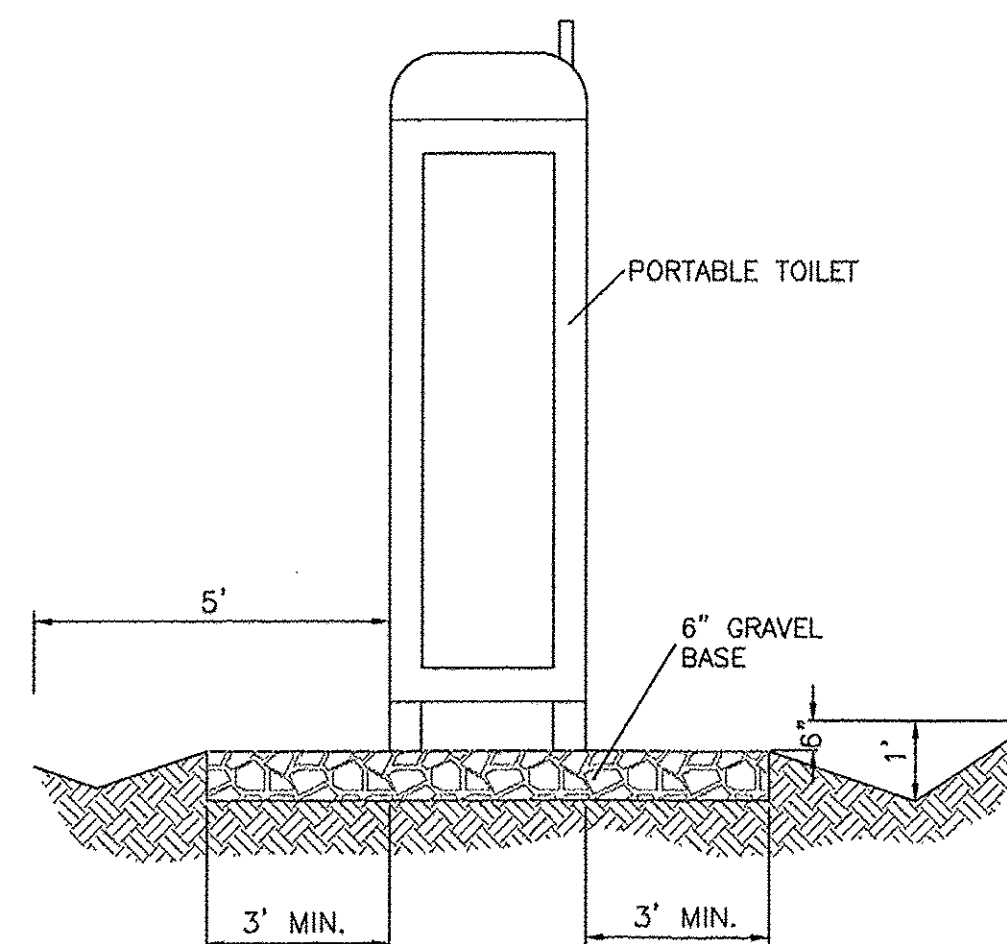


TYPICAL WATTLE INSTALLATION

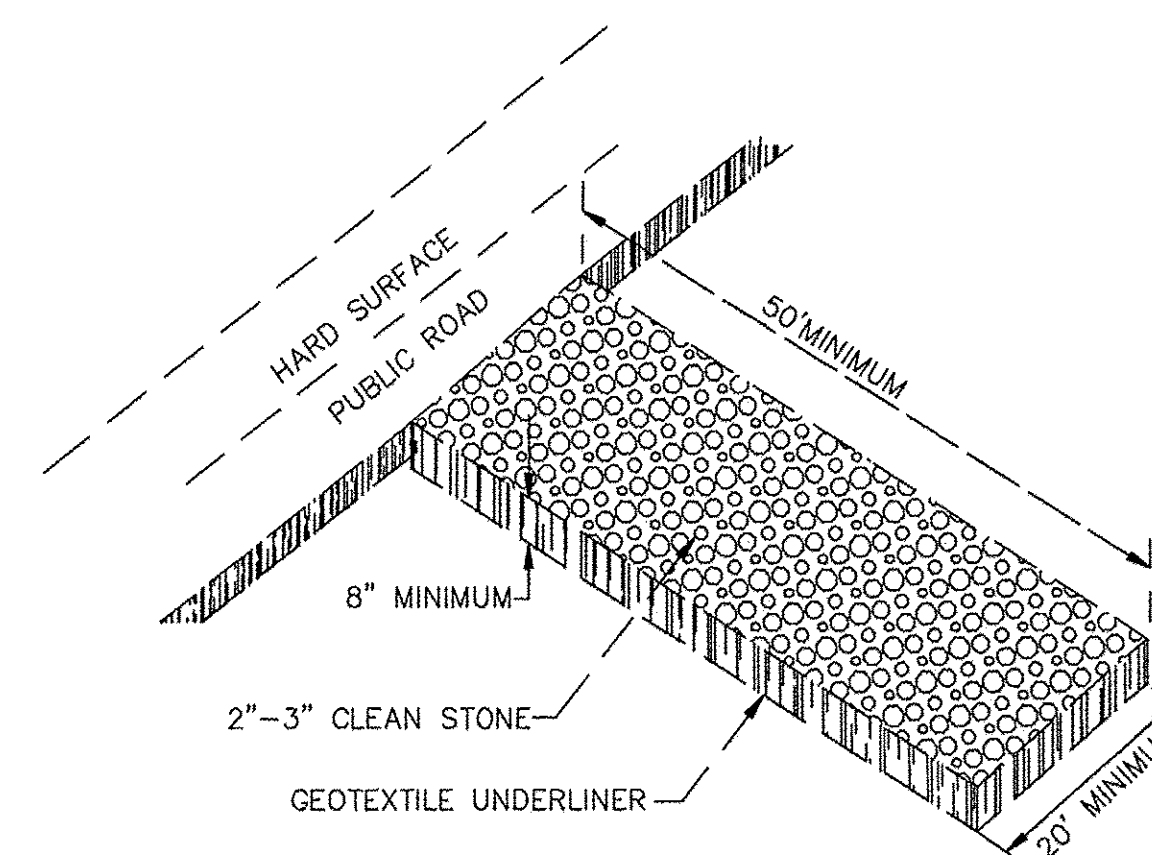
TYPICAL WATTLE SPACING BASED ON SLOPE GRADIENT
N.T.S.



ENTRENCHMENT DETAIL
N.T.S.



PORTABLE TOILET CONTAINMENT DETAIL



CONSTRUCTION EXIT (CE)
N.T.S.

FOR REFERENCE ONLY

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: LOT 2, DEL NORTE PLAZA
ESC DETAILS
HOLLY AVENUE, NE

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

866485 ZONE MAP NO. C-18-Z

SHEET 9 OF 9



NO.	DATE	BY	REMARKS

NO.	DATE	BY	REMARKS

NO.	DATE	BY	REMARKS

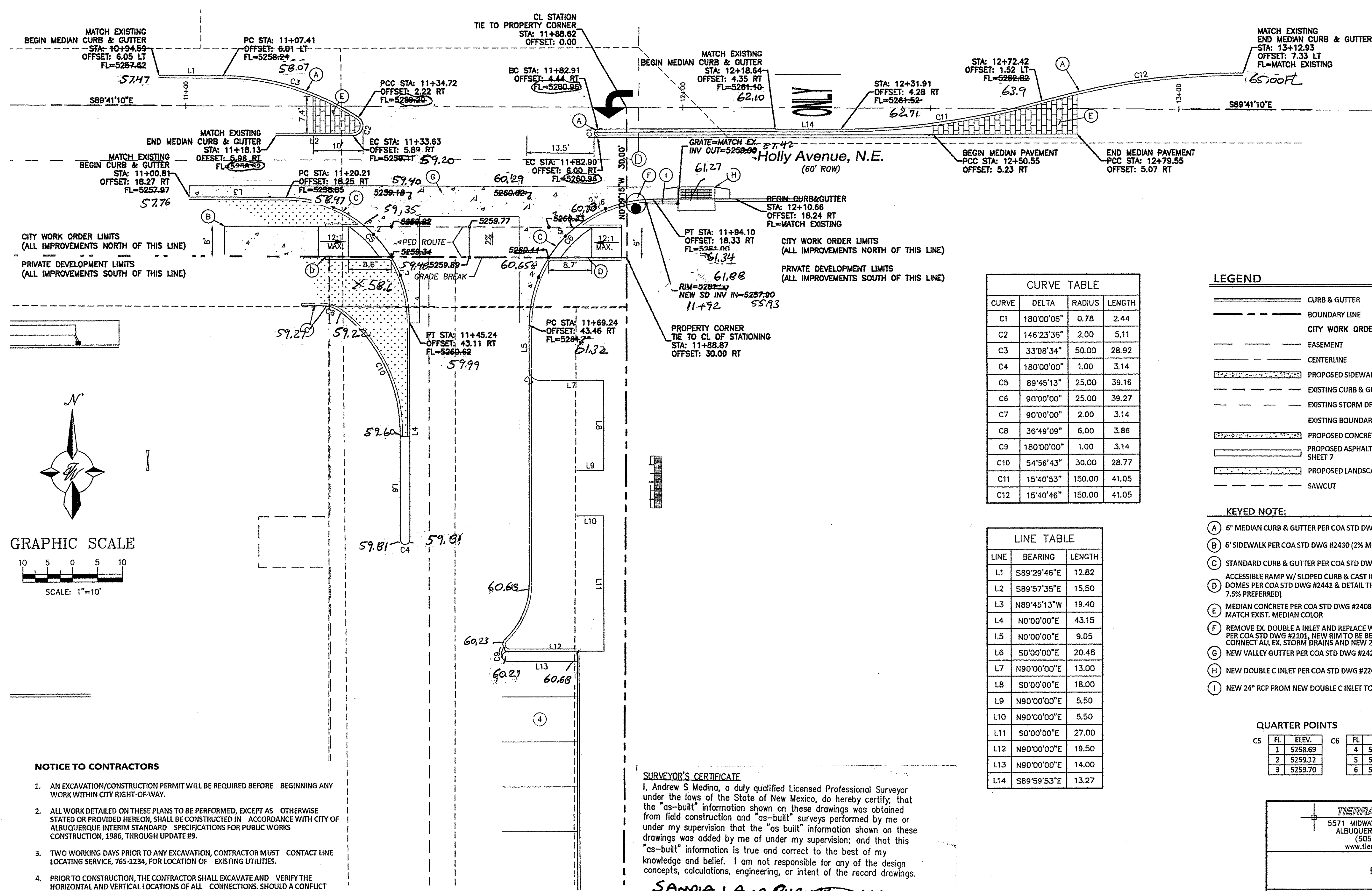
NO.	DATE	BY	REMARKS

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NO.	DATE	BY	REMARKS

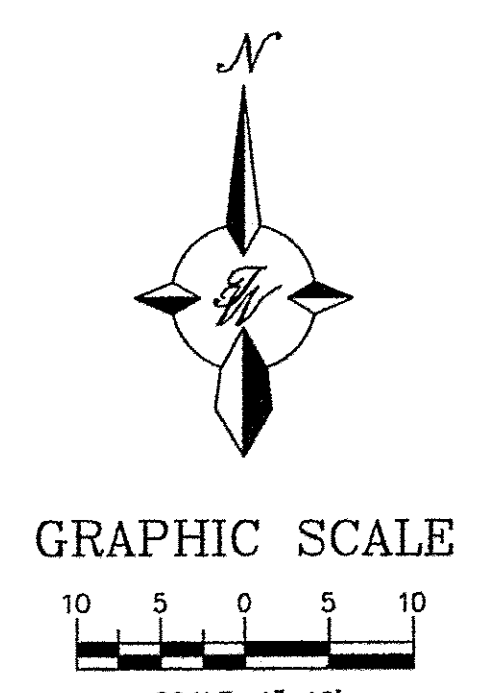
NO.	DATE	BY	REMARKS

NO.	DATE	BY	REMARKS



CITY WORK ORDER LIMITS
(ALL IMPROVEMENTS NORTH OF THIS LINE)

PRIVATE DEVELOPMENT LIMITS
(ALL IMPROVEMENTS SOUTH OF THIS LINE)



- 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, 1986, THROUGH UPDATE #9.
 3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, 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. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.
 7. ALL WATER VALVES AND COLLARS ARE TO BE ADJUSTED TO FINISHED GRADE WHERE NECESSARY.

CAUTION:
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.

SURVEYOR'S CERTIFICATE
I, Andrew S. Medina, a duly qualified Licensed Professional Surveyor under the laws of the State of New Mexico, do hereby certify, that the "as-built" information shown on these drawings was obtained from field construction and "as-built" surveys performed by me or under my supervision; and that the "as-built" information shown on these drawings was added by me or under my supervision; and that this "as-built" information is true and correct to the best of my knowledge and belief. I am not responsible for any of the design concepts, calculations, engineering, or intent of the record drawings.

SANDIA LAND SURVEYING, LLC
15 CASATRENTES, N.W.
ALBUQUERQUE, NM 87109
259-8130

Andrew S. Medina, NMPS 12649

CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C1	180°00'05"	0.78	2.44
C2	146°23'36"	2.00	5.11
C3	33°08'34"	50.00	28.92
C4	180°00'00"	1.00	3.14
C5	89°45'13"	25.00	39.16
C6	90°00'00"	25.00	39.27
C7	90°00'00"	2.00	3.14
C8	36°49'09"	6.00	3.86
C9	180°00'00"	1.00	3.14
C10	54°56'43"	30.00	28.77
C11	15°40'53"	150.00	41.05
C12	15°40'46"	150.00	41.05

LINE TABLE		
LINE	BEARING	LENGTH
L1	S89°29'46"E	12.82
L2	S89°57'35"E	15.50
L3	N89°45'13"W	19.40
L4	N0°00'00"E	43.15
L5	N0°00'00"E	9.05
L6	S0°00'00"E	20.48
L7	N90°00'00"E	13.00
L8	S0°00'00"E	18.00
L9	N90°00'00"E	5.50
L10	N90°00'00"E	5.50
L11	S0°00'00"E	27.00
L12	N90°00'00"E	19.50
L13	N90°00'00"E	14.00
L14	S89°59'53"E	13.27

- LEGEND**
- CURB & GUTTER
 - BOUNDARY LINE
 - CITY WORK ORDER LIMITS
 - EASEMENT
 - CENTERLINE
 - PROPOSED SIDEWALK
 - EXISTING CURB & GUTTER
 - EXISTING STORM DRAIN
 - EXISTING BOUNDARY LINE
 - PROPOSED CONCRETE VALLEY GUTTER
 - PROPOSED ASPHALT, SEE PAVING SECTION SHEET 7
 - PROPOSED LANDSCAPE
 - SAWCUT

- KEYED NOTE:**
- (A) 6" MEDIAN CURB & GUTTER PER COA STD DWG #2415A
 - (B) 6" SIDEWALK PER COA STD DWG #2430 (2% MAX. CROSS SLOPE)
 - (C) STANDARD CURB & GUTTER PER COA STD DWG #2415A
 - (D) ACCESSIBLE RAMP W/ SLOPED CURB & CAST IN PLACE REPLACEABLE DOWNS PER COA STD DWG #2441 & DETAIL THIS SHEET (8.3% MAX. 7.5% PREFERRED)
 - (E) MEDIAN CONCRETE PER COA STD DWG #2408 & #2502. MATCH EXIST. MEDIAN COLOR
 - (F) REMOVE EX. DOUBLE A INLET AND REPLACE WITH 4" TYPE C MANHOLE PER COA STD DWG #2101. NEW RIM TO BE BEHIND BACK OF CURB. CONNECT ALL EX. STORM DRAINS AND NEW 24" RCP TO MANHOLE
 - (G) NEW VALLEY GUTTER PER COA STD DWG #2420
 - (H) NEW DOUBLE C INLET PER COA STD DWG #2205
 - (I) NEW 24" RCP FROM NEW DOUBLE C INLET TO NEW 4' MH

QUARTER POINTS		CS		C6	
FL	ELEV.	FL	ELEV.	FL	ELEV.
1	5258.69	4	5260.72		
2	5259.12	5	5260.48		
3	5259.70	6	5260.64		

PAVING NOTE:
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.

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: LOT 2, DEL NORTE PLAZA
PAVING IMPROVEMENTS
HOLLY AVENUE, NE: STA: 1+50.00 TO 10+00.00

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	DATE	NO./DAY/YR.

CITY PROJECT NO. 686485 ZONE MAP NO. C-18-Z SHEET 5 OF 9

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	STANDARD USC & S. BRASS TABLET (FOUND IN PLACE)	DATE	FIELD NOTES	BY	DATE	REMARKS
WORK BY	DATE	A.G.R.S. MONUMENT "HEAVEN"	DATE	NO.	NO.	DATE	REVISIONS
APPROVED BY	DATE	NEW MEXICO STATE PLANE COORDINATES	DATE			DATE: 9/26/2017	DESIGN
VERIFICATION BY	DATE	(CENTRAL ZONE-N.A.D. 1983)	DATE			DATE: 9/26/2017	
DESIGNED BY	DATE	X=1,547,297.145	DATE			DATE: 9/26/2017	
CHECKED BY	DATE	Y=1,518,798.515	DATE			DATE: 9/26/2017	
RECORDED BY	DATE	G-G=0.99955510	DATE			DATE: 9/26/2017	
NO.		D=0.0104622"	DATE			DATE: 9/26/2017	
		Elev=5372.235 (NAVD 1988)					