

ABBREVIATIONS

A	=	AIR LINE
AD	=	AREA DRAIN
AIP	=	ABANDONED IN PLACE
BLDG	=	BUILDING
BM	=	BENCHMARK
CATV	=	CABLE TELEVISION LINE
CIP	=	CAST IRON PIPE
CMP	=	CORRUGATED METAL PIPE
CMPA	=	CORRUGATED METAL PIPE ARCH
CO	=	CLEANOUT
COA	=	CITY OF ALBUQUERQUE
CONC	=	CONCRETE
CL	=	CENTERLINE
DIA	=	DIAMETER
DIP	=	DUCTILE IRON PIPE
DTL	=	DETAIL
DWG	=	DRAWING
EG	=	EXISTING GRADE
ELEC.	=	ELECTRIC
ELEV	=	ELEVATION
EX	=	EXISTING
FF	=	FINISHED FLOOR ELEVATION
FG	=	FINISHED GRADE
FH	=	FIRE HYDRANT
FL	=	FLOW LINE
G	=	GAS PIPE
GM	=	GAS METER
GV	=	GATE VALVE
HI PT	=	HIGH POINT
INV	=	INVERT ELEVATION
LF	=	LINEAL FEET
LP	=	LIGHT POLE
L/S	=	LANDSCAPING
MH	=	MANHOLE
NG	=	NATURAL GROUND
OE	=	OVERHEAD ELECTRIC LINE
OT	=	OVERHEAD TELEPHONE LINE
PB	=	ELECTRICAL PULL BOX
PCC	=	PORTLAND CEMENT CONCRETE
PP	=	POWER POLE
PROP	=	PROPOSED
PVC	=	POLYVINYL CHLORIDE PIPE
RCP	=	REINFORCED CONCRETE PIPE
R/W	=	RIGHT-OF-WAY
S	=	SLOPE
SAS	=	SANITARY SEWER
SD	=	STORM DRAIN
STA	=	STATION
STD	=	STANDARD
SW	=	SIDEWALK
T	=	TELEPHONE
TA	=	TOP OF ASPHALT PAVEMENT
TAC	=	TOP OF ASPHALT CURB
TC	=	TOP OF CONCRETE SLAB (PAVEMENT)
TCC	=	TOP OF CONCRETE CURB
TS	=	TOP OF SIDEWALK
TW	=	TOP OF WALL
TYP	=	TYPICAL
UE	=	UNDERGROUND ELECTRIC
UT	=	UNDERGROUND TELEPHONE
W	=	WATER
WM	=	WATER METER
WV	=	WATER VALVE

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION ENGINEER
DATE: Sept 30, 2014

FOLIUM ENERGY

SOLAR PROJECT

Annexation Portion, Section 33

NW1/4, SW1/4, T10N, R4E NMPM

Albuquerque, New Mexico

INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	COVER SHEET AND INDEX TO DRAWINGS
2	PLAT
3	STORM DRAIN PLAN AND PROFILE

DISCLOSURE

THE SUBJECT PROPERTY IS ON A FORMER LANDFILL. DUE TO THE SUBJECT PROPERTY BEING ON A FORMER LANDFILL, CERTAIN PRECAUTIONARY MEASURES MAY NEED TO BE TAKEN TO ENSURE HEALTH AND SAFETY OF THE PUBLIC. RECOMMENDATIONS MADE BY A PROFESSIONAL ENGINEER WITH EXPERTISE IN LANDFILL AND GAS ISSUES (AS REQUIRED BY THE MOST CURRENT VERSION OF THE "INTERIM GUIDELINES FOR DEVELOPMENT WITHIN 1000-FOOT OF LANDFILLS") SHALL BE CONSULTED PRIOR TO THE DEVELOPMENT OF THE SITE.

ALL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) GUIDELINES SHALL BE MET. ALL MATERIAL SAFETY DATA SHEETS SHALL BE MAINTAINED ON SITE BY THE GENERAL CONTRACTOR OR PROJECT SUPERINTENDENT.

ENVIRONMENTAL APPROVAL

THESE PLANS ARE HEREBY APPROVED AS NOTED:

Suzanne M. Busch 8-2-13
SUZANNE M. BUSCH, P.E.
ENVIRONMENTAL ENGINEER
CITY OF ALBUQUERQUE

CERTIFICATION OF SUBSTANTIAL COMPLIANCE

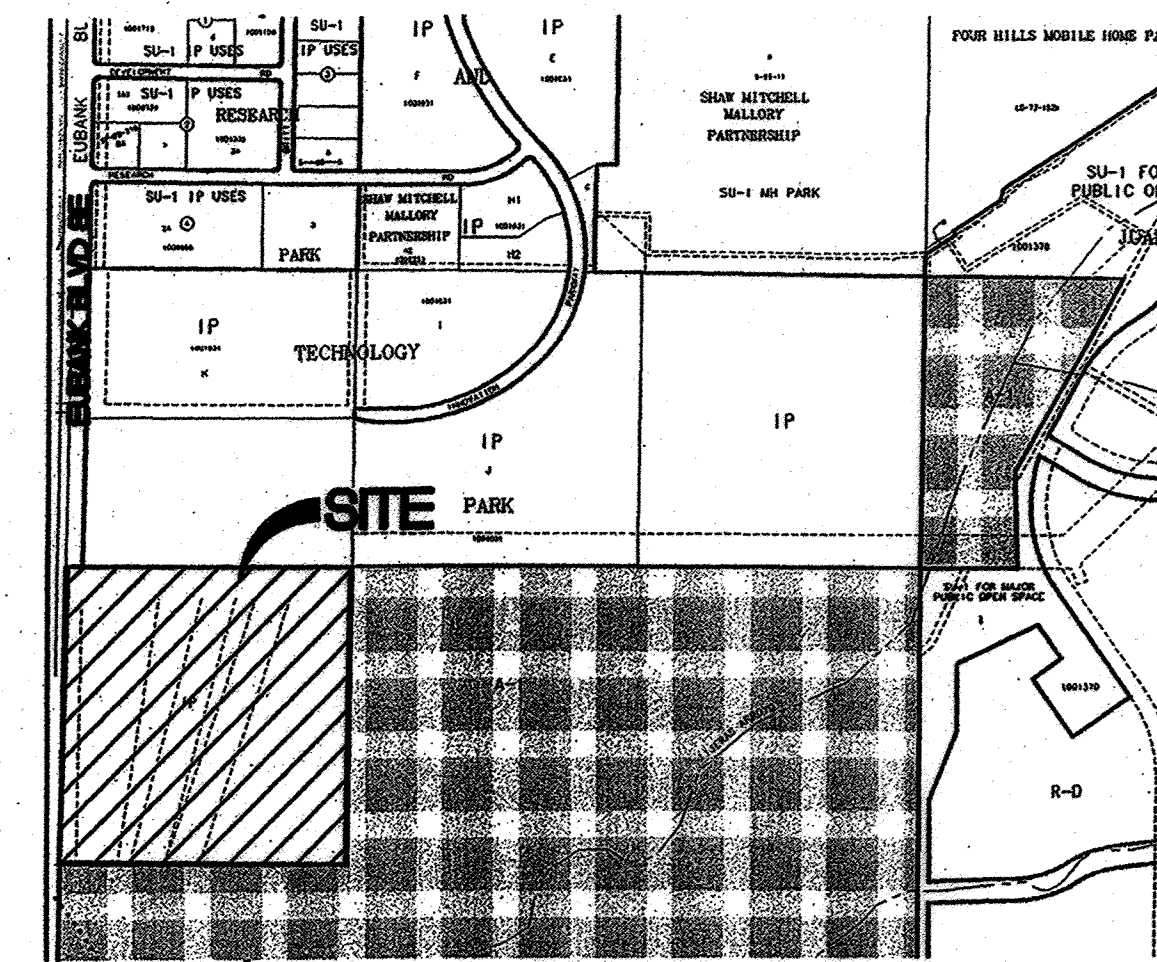
I, Larry D. Read, NMPE 10998, of the firm Larry Read & Associates, Inc., a Registered Professional Engineer in the State of New Mexico, do hereby certify that to the best of my knowledge and belief, the infrastructure installed as part of this project has been inspected by me or by a qualified person 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, excepted as noted on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction and survey information provided by Will Plotner, Jr. NMPS 14271, of the firm Cartesian Surveys.

LEGEND

	NEW CURB AND GUTTER & SIDEWALK		EX SAS MANHOLE		8" SAS PROPOSED SANITARY SEWER LINE
	EX CURB AND GUTTER & SIDEWALK		PROP SAS MANHOLE		8" SAS EX SANITARY SEWER LINE
	PROP FIRE HYDRANT		PROP WATER METER		NEW 6" W PROPOSED WATER LINE
	PROP WATER VALVE		PROPOSED SANITARY SEWER SERVICE		8" W EX WATER LINE
	PROPERTY LINE		RECORD BEARING AND DISTANCES		N 00°07'27" W MEASURED BEARING AND DISTANCES

GENERAL NOTES

- 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 STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION THROUGH MOST RECENT UPDATE #8 WILL BE REFERRED TO HEREIN AS "STANDARD SPECIFICATIONS".
- ALL CONSTRUCTION WITHIN CITY RIGHT-OF-WAY OR EASEMENTS MUST BE DONE FROM APPROVED WORK ORDER DOCUMENTS FROM THE CITY.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- CONTRACTOR AGREES THAT HE SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD HARMLESS THE OWNER AND ENGINEER FROM ANY AND ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
- ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE ACCOMPLISHED IN ACCORDANCE WITH OSHA 29CFR 1926.650 SUBPART P.
- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
- CONTRACTOR SHALL SECURE A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION (IF REQUIRED BY ALBUQUERQUE ENVIRONMENTAL HEALTH DEPARTMENT).
- PERMIT REQUESTS MAY BE DENIED OR DELAYED DUE TO CONFLICTS WITH OTHER PROJECTS IN THE AREA.
- CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. ONLY THE CITY SURVEYOR SHALL REPLACE SURVEY MONUMENTS. 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 COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO STANDARD SPECIFICATIONS SECTION 4.4.
- 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://ABCWUA.ORG/CONTENT/VIEW/FULL/463/729/](http://abcwua.org/content/view/full/463/729/).
- SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL DETERMINE IN ADVANCE OF HIS CONSTRUCTION IF OVERHEAD UTILITY LINES, SUPPORT STRUCTURES, POLES, GUYS, ETC. ARE AN OBSTRUCTION TO CONSTRUCTION OPERATIONS. IF ANY OBSTRUCTION TO CONSTRUCTION OPERATIONS IS EVIDENT, CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITY OWNER TO REMOVE OR SUPPORT THE UTILITY OBSTRUCTION. ANY COST ASSOCIATED WITH THIS EFFORT SHALL BE THE RESPONSIBILITY OF CONTRACTOR.
- PNM WILL PROVIDE AT NO COST TO THE CITY OR THE CONTRACTOR THE REQUIRED PERSONNEL FOR INSPECTION OR OBSERVATION DEEMED NECESSARY BY PNM WHILE THE CONTRACTOR IS EXPOSING PNM'S CABLES. HOWEVER, THE CONTRACTOR SHALL BE CHARGED THE TOTAL COST ASSOCIATED WITH REPAIRS TO ANY DAMAGED CABLES OR FOR ANY COST ASSOCIATED WITH SUPPORTING OR RELOCATING THE POLES AND CABLES DURING CONSTRUCTION.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (280-1990) FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL PERTINENT EXISTING UTILITIES AND/OR OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- EXISTING UTILITY LINE LOCATION ARE SHOWN IN AN APPROXIMATE MANNER ONLY AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. THE LOCATION OF ANY SUCH EXISTING LINES IS BASED UPON INFORMATION PROVIDED BY THE UTILITY COMPANY, THE OWNER, OR BY OTHERS, AND THE INFORMATION MAY BE INCOMPLETE OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES.
- THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES.
- CONTRACTOR SHALL SUPPORT ALL EXISTING UNDERGROUND UTILITY LINES WHICH BECOME EXPOSED DURING CONSTRUCTION. PAYMENT FOR SUPPORTING WORK SHALL BE INCIDENTAL TO WATERLINE AND/OR SEWER LINE COSTS.



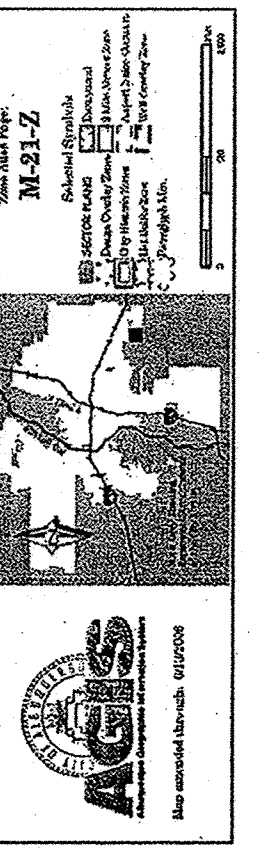
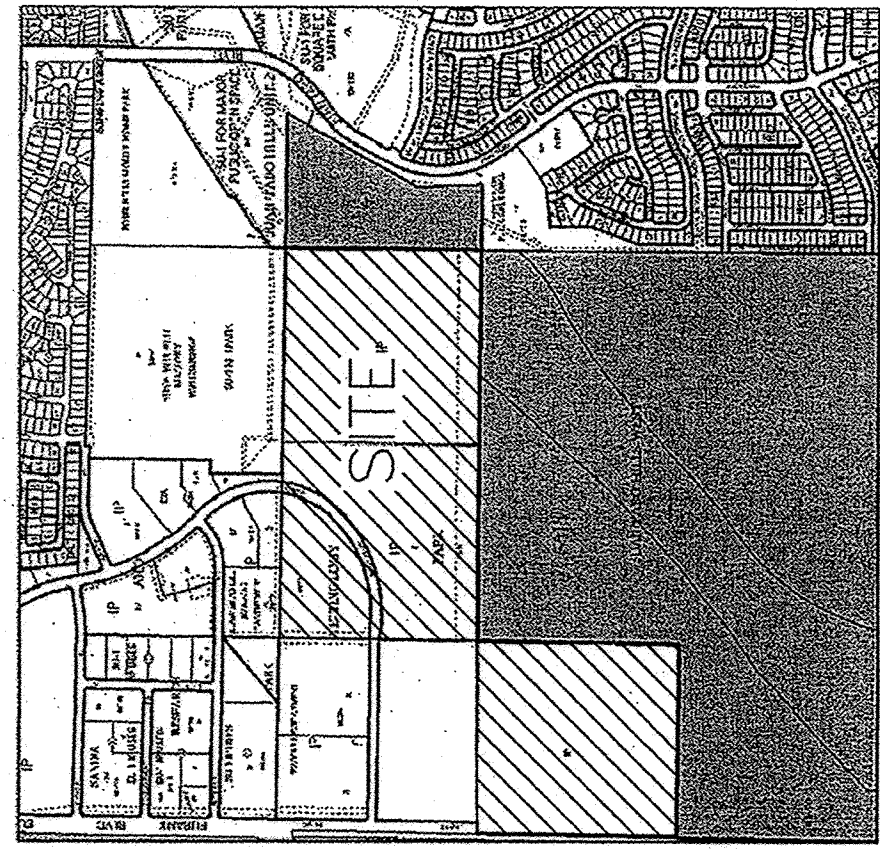
VICINITY MAP M-21-Z

- CONTRACTOR IS TO SUPPORT AND MAINTAIN THE INTEGRITY OF ALL UNDERGROUND TELEPHONE, ELECTRIC CABLES AND CABLE TELEVISION UTILITIES AT NO ADDITIONAL COST TO THE OWNER. CABLE IS TO BE SUPPORTED AT A MAXIMUM OF EVERY FIFTEEN (15) FEET. CONTRACTOR SHALL COORDINATE WITH AND MAKE NECESSARY PAYMENT (IF ANY) TO UTILITY OWNER FOR DE-ENERGIZATION OF CABLES OR SUPPORT OF CABLES BY THE UTILITY OWNER.
- CONTRACTOR SHALL ASSIST THE ENGINEER/INSPECTOR IN THE RECORDING OF DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
- ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ALL BACKFILL FOR TRENCHES WITHIN COA RIGHT-OF-WAY SHALL BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DENSITY PER ASTM D-1557 AND AS DIRECTED BY STANDARD SPECIFICATIONS SECTION 301.41 AND STANDARD DRAWINGS NUMBERED 2315 AND 2465.
- CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY OR PRIVATE ROADWAY EASEMENTS SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET OR INTO ANY PUBLIC DRAINAGE FACILITY.
- REMOVALS SHALL BE DISPOSED OF OFF-SITE AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL DISPOSE OF ALL UNSUITABLE MATERIAL IN AN ENVIRONMENTALLY ACCEPTABLE MANNER AT A LOCATION ACCEPTABLE TO THE PROJECT MANAGER. THERE WILL BE NO DIRECT COMPENSATION FOR THIS WORK.
- CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN A MANNER WHICH WILL MINIMIZE INTERFERENCE WITH LOCAL TRAFFIC.
- ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR (24) HOURS OF CONSTRUCTION.
- WHEN ABUTTING EXISTING PAVEMENT TO NEW, SAW CUT EXISTING PAVEMENT TO A STRAIGHT EDGE AND AT A RIGHT ANGLE, OR AS APPROVED BY THE FIELD ENGINEER. REMOVAL OF BROKEN OR CRACKED PAVEMENT WILL ALSO BE REQUIRED.
- REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK SHALL BE TO THE NEAREST JOINT OR SAW CUT.
- AT HIS OWN EXPENSE, CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENT, PAVEMENT MARKINGS, CURB AND GUTTER, HANDICAP RAMPS, AND SIDEWALK DURING CONSTRUCTION APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE, PER STANDARD SPECIFICATIONS.
- ALL STREET STRIPING, ALTERED OR DESTROYED, SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR TO SAME LOCATION AS EXISTING, OR AS INDICATED BY THIS PLAN SET.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNING UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY OF ALBUQUERQUE.
- RCP SHALL BE INSTALLED SO THAT JOINT GAP AT THE HOME POSITION SHALL CONFORM TO THE APPROVED MANUFACTURER'S RECOMMENDATIONS. MANUFACTURER'S RECOMMENDED JOINT GAP TOLERANCES FOR EACH PIPE SIZE 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.
- IF HUMAN REMAINS ARE DISCOVERED ON THE SITE, ALL CONSTRUCTION WILL CEASE AND THE OFFICE OF THE MEDICAL EXAMINER MUST BE CONTACTED FOR FURTHER INSTRUCTIONS.

LARRY READ & ASSOCIATES, Inc.
Civil Engineers
2430 Midtown Place NE Suite C
Albuquerque, New Mexico 87107
(505) 237-8421

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE
ENGINEER'S SEAL		APPROVALS		ENGINEER		DATE	
		DRC CHAIRMAN		<i>dl/condell</i>		8/26/13	
		TRANSPORTATION		<i>Mike Delgado</i>		07/24/13	
		WATER/WASTEWATER		<i>W. L. ...</i>		07/24/13	
		HYDROLOGY		<i>RE</i>		7/24/13	
		PARKS					
CONSTR. COORD.							
A&H		<i>Suzanne M. Busch</i>		8/2/13			
PROJECT NO.				6548.84			
SHEET				1 OF 3			

VICINITY MAP (NOT TO SCALE)



ENCROACHMENT NOTES

- ① Chain link fence encroaches onto subject property to a maximum extent of 2.0 feet.

EASEMENT NOTES

- E1: Five foot PNM easement, per Annexation plat (Surveyor's Note 4c) and Plat of Sandia Science and Technology Park (Surveyor's Note 4c).
- E2: One Hundred Fifty foot PNM easement, per Annexation plat (Surveyor's Note 4c).
- E3: One Hundred Fifty foot PNM easement, per Annexation plat (Surveyor's Note 4c) and Plat of Sandia Science and Technology Park (Surveyor's Note 4c).
- E4: Seventy-five foot future Eubank Boulevard, SE, Right of Way, per Annexation plat (Surveyor's Note 4c).
- E5: Forty-five foot Public Storm Drain Easement, per Plat of Sandia Science and Technology Park (Surveyor's Note 4c).
- E6: Thirty-five foot Public Storm Drain Easement, per Plat of Sandia Science and Technology Park (Surveyor's Note 4c).
- E7: Ten foot Public Utility Easement, per Plat of Sandia Science and Technology Park (Surveyor's Note 4c).

BORE HOLE/TEST PIT DATA JUNE/JULY 2011

TEST PIT/BOREHOLE NO.	X-COORDINATE	Y-COORDINATE	ELEVATION
BH-1	155624.75	1473061.87	5466.35
BH-2	155620.50	1473017.95	5466.35
BH-3	1556422.11	1474692.84	5471.41
BH-4	1556329.90	1474697.40	5463.58
BH-5	1556242.20	1474698.31	5462.98
BH-6	1559141.77	1474681.19	5462.98
BH-7	1559029.28	1474688.61	5462.98
BH-8	1558844.59	1474816.46	5462.98
BH-9	1558663.87	1474744.14	5462.98
BH-10	1558776.29	1474691.40	5462.98
BH-11	1558677.97	1474624.63	5462.98
BH-12	1558456.99	1474641.70	5462.98
BH-13	1558473.29	1474626.77	5462.98
BH-14	1558435.18	1474638.42	5462.98
BH-15	1558410.65	1474608.48	5462.98
BH-16	1558417.80	1474607.72	5462.98
BH-17	1558417.80	1474607.72	5462.98
BH-18	1558417.80	1474607.72	5462.98
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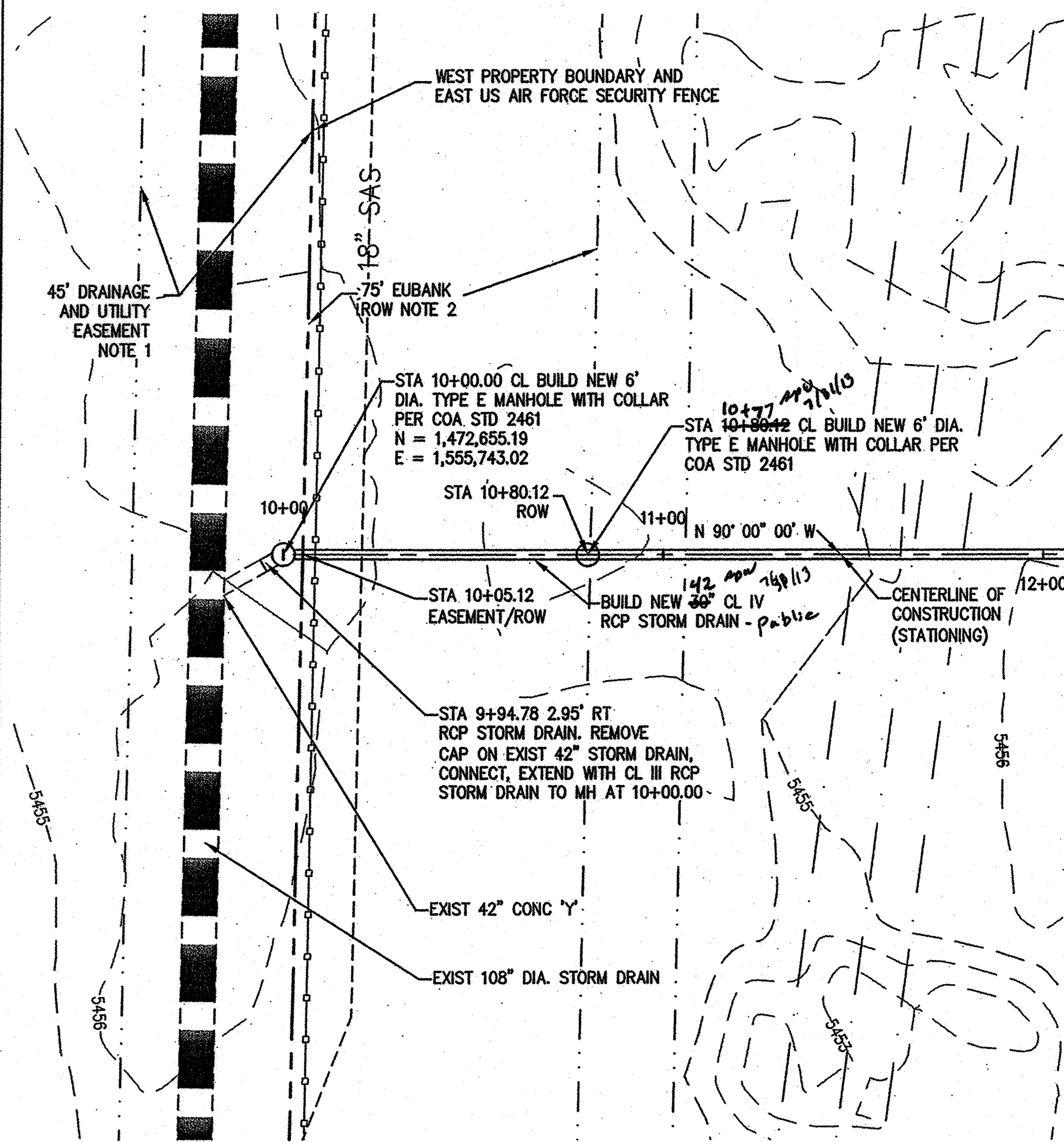
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BH-52	1558417.80	1474607.72	5462.98
BH-53	1558417.80	1474607.72	5462.98
BH-54	1558417.80	1474607.72	5462.98
BH-55	1558417.80	1474607.72	5462.98
BH-56	1558417.80	1474607.72	5462.98
BH-57	1558417.80	1474607.72	5462.98
BH-58	1558417.80	1474607.72	5462.98
BH-59	1558417.80	1474607.72	5462.98
BH-60	1558417.80	1474607.72	5462.98
BH-61	1558417.80	1474607.72	5462.98
BH-62	1558417.80	1474607.72	5462.98
BH-63	1558417.80	1474607.72	5462.98
BH-64	1558417.80	1474607.72	5462.98
BH-65	1558417.80	1474607.72	5462.98
BH-66	1558417.80	1474607.72	5462.98
BH-67	1558417.80	1474607.72	5462.98
BH-68	1558417.80	1474607.72	5462.98
BH-69	1558417.80	1474607.72	5462.98

TEST COORDINATE DATA:
COORDINATES ARE GROUND COORDINATES, DETERMINED THROUGH GROUND MEASUREMENTS AND GRID BEARINGS, BASED UPON ACS MONUMENTS "S-M22", "7-M21", AND "TLERAS 2". HAVING NEW MEXICO STATE PLANE COORDINATES, CENTRAL ZONE, NAD 83; MEAN SEA LEVEL ELEVATIONS BASED UPON ACS MONUMENT "TLERAS 2", NAVD 88 ELEVATIONS.

BORE HOLE/TEST PIT DATA JUNE/JULY 2011

SOUTH RUBENK LANDFILL BOREHOLE/TEST PIT LOCATION, JUNE (JULY 2013)	TEST PIT/BOREHOLE NO.	X-COORDINATE	Y-COORDINATE	ELEVATION
	BH-1	155635.61	1473630.87	5466.35
	BH-2	155670.63	1473630.03	5466.65
	BH-3	155701.78	1473633.34	5471.41
	BH-4	155684.03	1473402.35	5463.58
	BH-5	1556850.57	1473401.87	5465.66
	BH-6	1556571.46	1473172.89	5462.38
	BH-7	1556873.61	1473163.74	5464.38
	BH-8	1556831.37	1472953.07	5469.30
	BH-9	1556576.01	1472943.09	5463.11
	BH-10	1556851.88	1472943.69	5463.54
	BH-11	1557029.48	1472936.41	5466.14
	BH-12	1556249.02	1472864.19	5465.62
	BH-13	1556844.44	1472885.39	5463.16
	BH-14	1556807.80	1472862.84	5465.68
	BH-15	1557023.44	1472680.58	5465.33
	BH-16	1556379.93	1472571.74	5467.81
	BH-17	1556612.17	1472525.42	5461.53
	BH-18	155685.08	1472393.97	5461.76
	BH-19	1556449.56	1472306.45	5460.05
	BH-20	1556683.22	147324.42	5464.32
	BH-21	1556897.30	1472666.23	5462.37
	BH-22	1556440.73	1472745.77	5461.89
	BH-23	1556866.22	1472747.82	5463.38
	BH-24	1556854.35	1473546.37	5464.39
	TP-1	155681.84	1473601.84	5468.16
	TP-2	1556872.94	1473321.20	5468.50
	TP-3	155672.74	1472388.89	5464.36
	TP-4	1556487.55	1472421.97	5462.00
	TP-5	1556866.56	1472059.69	5465.33
	TP-6	1556699.07	1473074.70	5463.13
	TP-7	1556438.91	1473050.86	5461.02
	TP-8	1556881.22	1472811.22	5465.12
	TP-9	1556688.75	1472835.55	5462.19
	TP-10	1556446.24	1472686.79	5463.80
	TP-11	1556440.93	1472546.93	5460.97
	TP-12	1556742.85	1472529.57	5461.99
	TP-13	1556467.81	1472520.37	5459.42
	TP-14	1556279.08	1472335.97	5454.92



PROPERTY and EASEMENT NOTES:

- Easement for Right-of-Way (Utility/Drainage) granted to the City of Albuquerque by the Kirtland Area Office of the Department of Energy. Document # 2000074789 recorded August 8, 2000, book A8, Page 4498.
- Granted per Summary Plat of Annexation to City of Albuquerque, recorded August 24, 1982, Volume C20, Folio 24.

CONSTRUCTION NOTE:

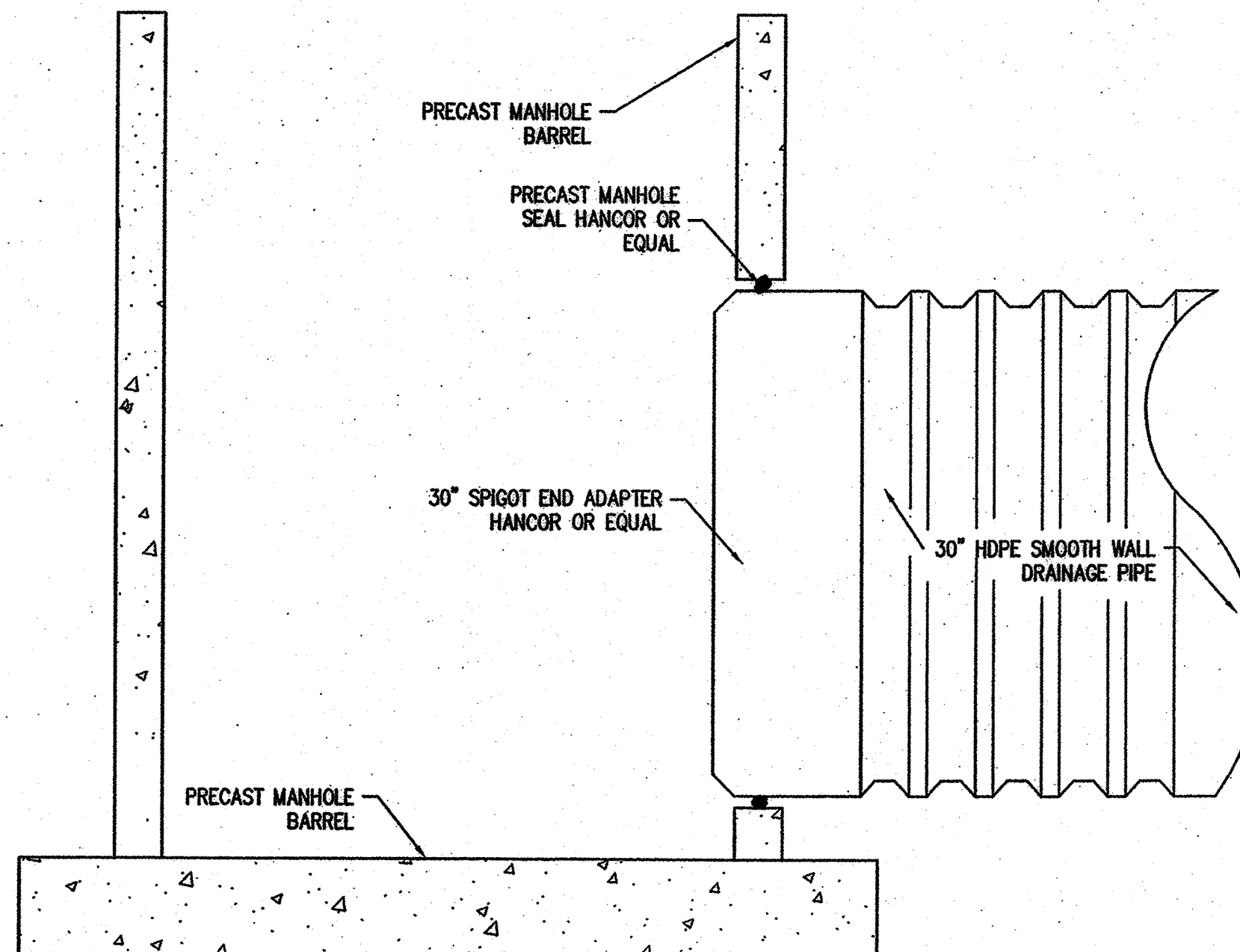
CONTRACTOR SHALL TEST SUBGRADE FOR CONSOLIDATION AND COMPACTION TO MINIMIZE PIPE MOVEMENT AND SETTLEMENT. IF SUBGRADE IS NOT SUFFICIENT, SOIL SHALL BE REMOVED AND REPLACED WITH SUITABLE SOIL TO ACHIEVE COMPACTION. MINIMUM COMPACTION 95% PER ASTM-D1557.

CERTIFICATION OF SUBSTANTIAL COMPLIANCE

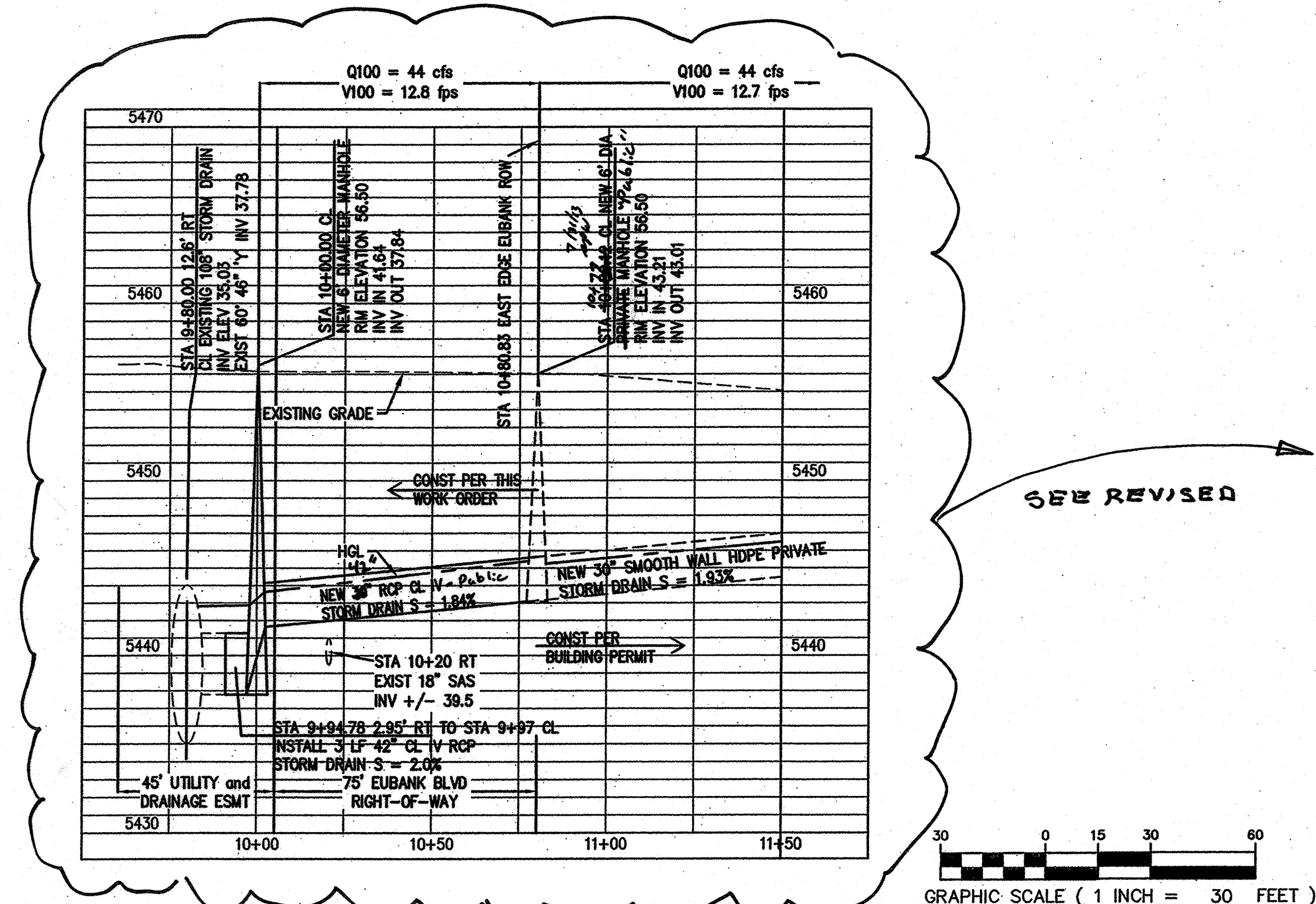
I, Larry D. Read, NMPE 10998, of the firm Larry Read & Associates, Inc., A Registered Professional Engineer in the State of New Mexico, do hereby certify that to the best of my knowledge and belief, the infrastructure installed as part of this project has been inspected by me or by a qualified person 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, excepted as noted on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction and survey information provided by Will Plottner, Jr. NMPS 14271, of the firm Cartesian Surveys.



GRAPHIC SCALE (1 INCH = 30 FEET)

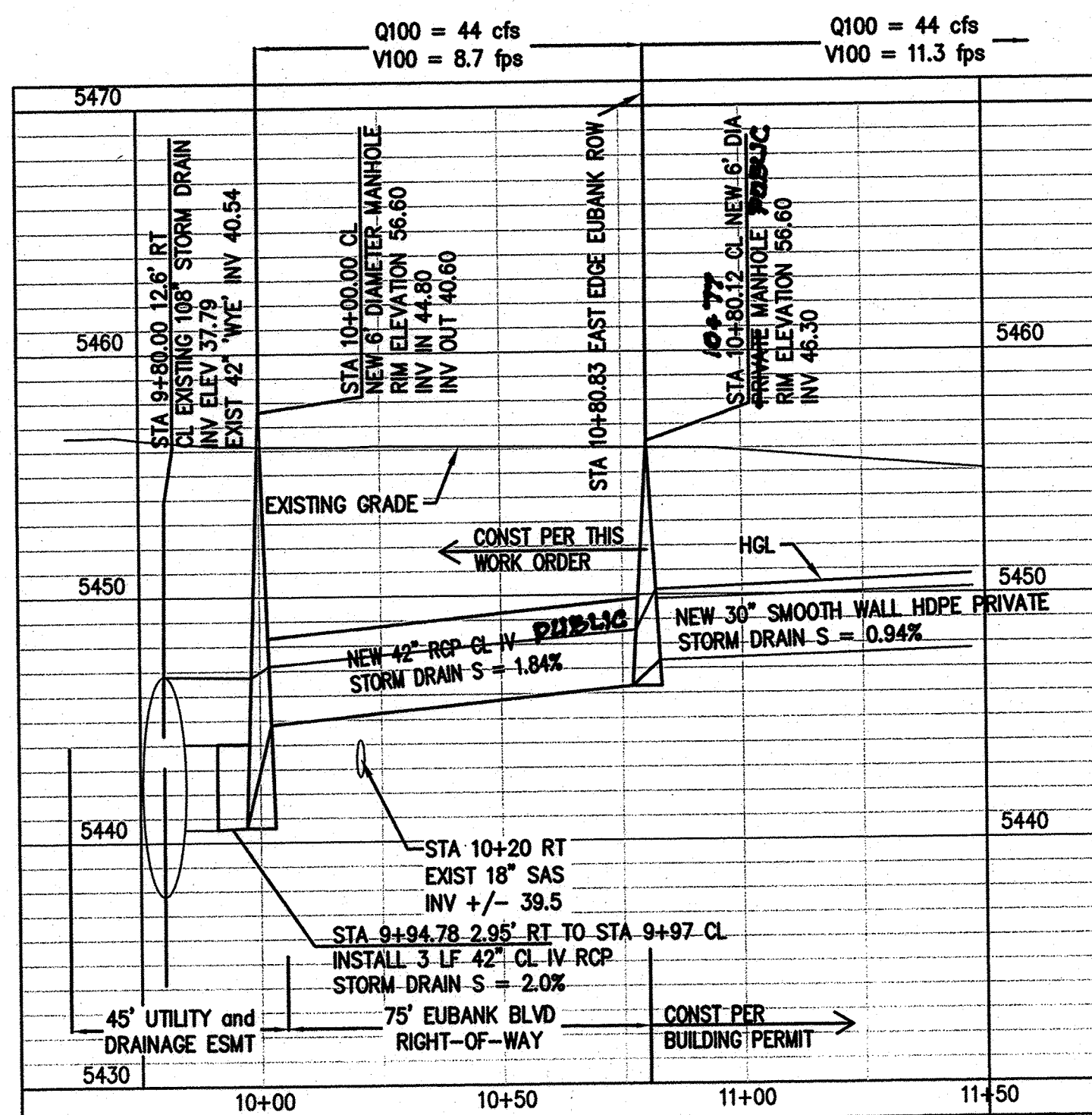


DETAIL HDPE PIPE CONNECTION TO MANHOLE



SEE REVISED

GRAPHIC SCALE (1 INCH = 30 FEET)



LARRY READ & ASSOCIATES, Inc.
Civil Engineers
2430-C Midtown Place NE
Albuquerque, New Mexico 87107
(505) 237-8421

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TITLE: FOLIUM ENERGY - SOLAR PROJECT STORM DRAIN PLAN AND PROFILE	
APPROVED AUG 26 2013 DESIGN REVIEW COMMITTEE	APPROVED JAN 23 2014 CITY ENGINEER
PROJECT NO. 6548.84	MAP NO. M-21
SHEET 3	OF 3