

CITY OF ALBUQUERQUE

Planning Department
David Campbell, Director



Mayor Timothy M. Keller

December 13, 2018

John Nourzad, P.E.
GreenbergFarrow
1430 West Peachtree Street, NW, Suite 200
Atlanta, GA 30309

RE: Murphy Express – 1358 Wyoming Blvd
Revised Grading Plan
Engineer's Stamp Date: 12/04/18
Drainage Report
Engineer's Stamp Date: 01/27/18
Hydrology File: J20D037

PO Box 1293

Dear Mr. Nourzad:

Albuquerque

Based upon the information provided in your submittal received 12/04/2018, the Revised Grading Plan is approved for Building Permit and SO-19 Permit. For the SO-19 Permit, please follow the attached SO-19 Notes.

NM 87103

Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter. Prior to approval in support of Permanent Release of Occupancy by Hydrology, Engineer Certification per the DPM checklist will be required.

www.cabq.gov

Please provide Drainage Covenant per Chapter 17 of the DPM prior to Permanent Release of Occupancy for the stormwater quality pond. Please submit these to the 4th floor of Plaza de Sol. A \$25 fee for each will be required. The Drainage Covenant can be obtained at our webpage.
<https://www.cabq.gov/planning/development-review-services/hydrology-section>

If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov.

Sincerely,

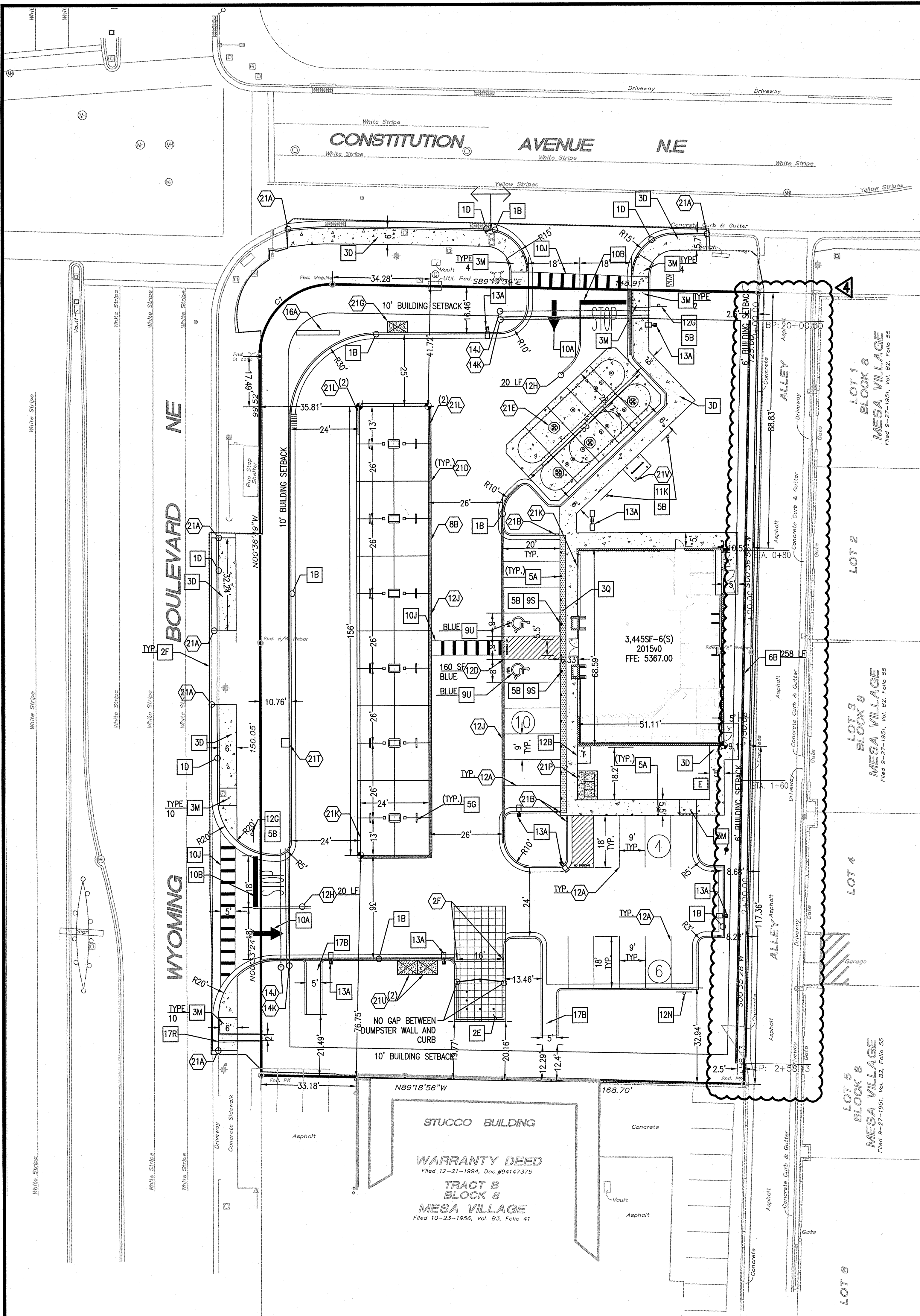
Renée C. Brissette, P.E. CFM
Senior Engineer, Hydrology
Planning Department

Private Drainage Facilities within City Right-of-Way

Notice to Contractor

(Special Order 19 ~ "SO-19")

1. An excavation permit will be required before beginning any work within City Right-Of-Way.
2. All work on this project shall be performed in accordance with applicable federal, state and local laws, rules and regulations concerning construction safety and health.
3. Two working days prior to any excavation, the contractor must contact **New Mexico One Call, dial "811"** [or (505) 260-1990] for the location of existing utilities.
4. Prior to construction, the contractor shall excavate and verify the locations of all obstructions. 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 the facility shall be the responsibility of the owner of the property being served.
7. Work on arterial streets may be required on a 24-hour basis.
8. Contractor must contact Jason Rodriguez at 235-8016 and Construction Coordination at 924-3416 to schedule an inspection.



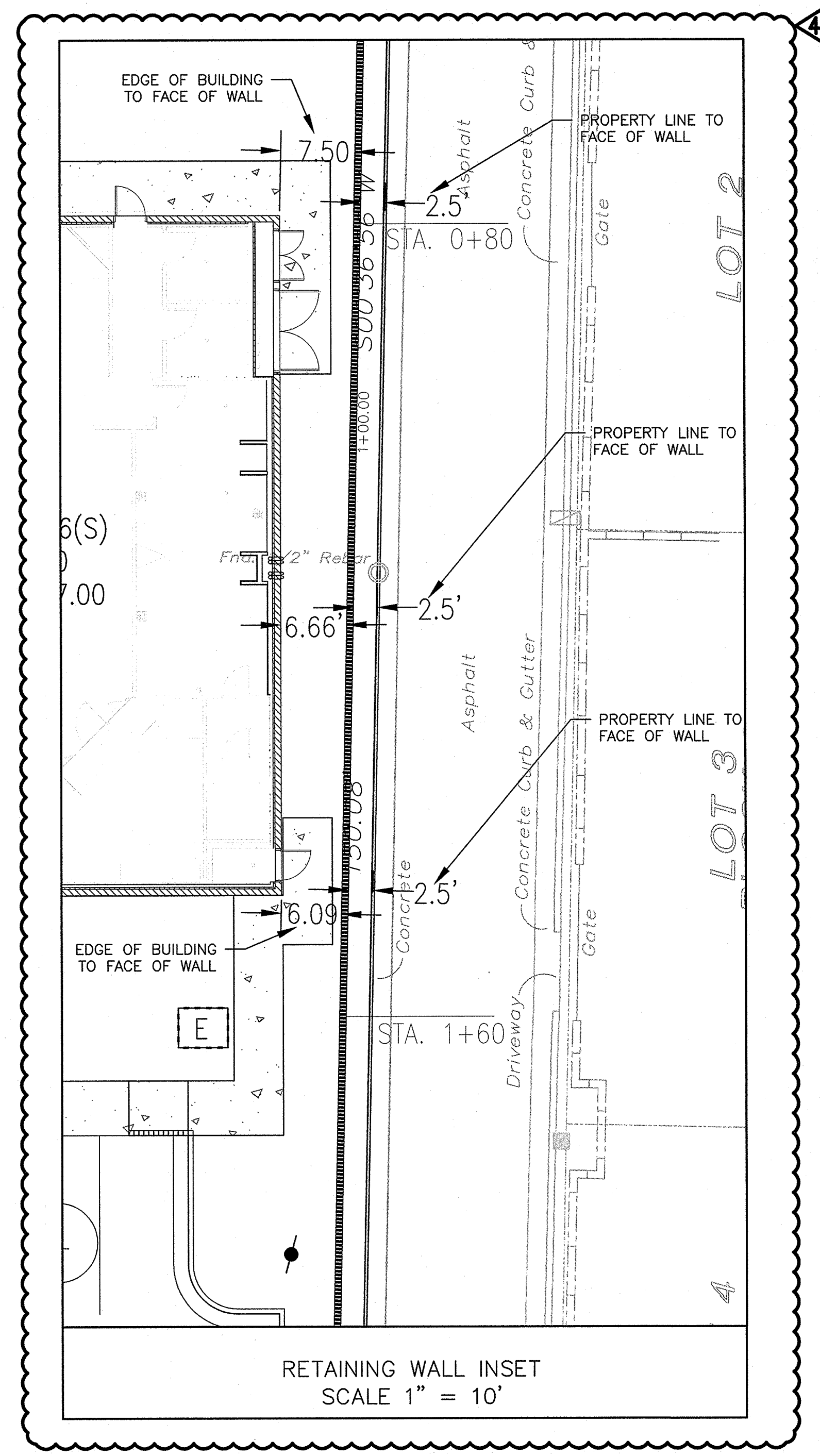
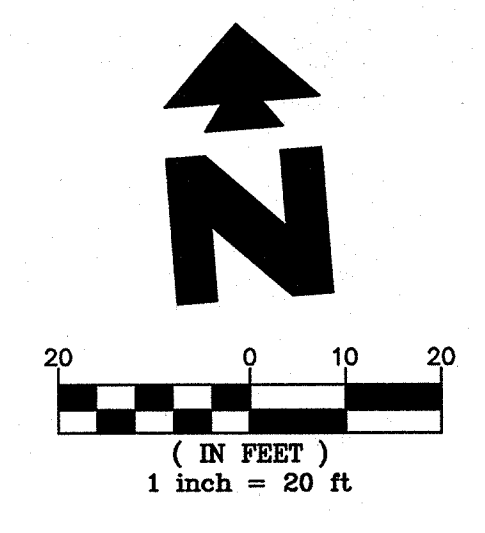
ZONING:
C-2 (COMMUNITY COMMERCIAL)

POST-DEV LAND USE

IMPERVIOUS AREA	0.72 AC
PERVIOUS AREA	0.36 AC
TOTAL AREA	1.08 AC

SETBACKS

	FRONT	SIDE	REAR
BUILDING	10'	10'	6'
SIGNAGE	7'	7'	7'



RETAINING WALL INSET
SCALE 1" = 10'

PARKING INFORMATION: MURPHY OIL						
DESCRIPTION	BUILDING AREA (S.F.)	REQUIRED:				
		RATIO	SPACES			
MURPHY OIL	3,445	/200 S.F.	REGULAR	ACCESSIBLE	VAN ACCESSIBLE	TOTAL
		1	17		1	18
STALL DIMENSIONS:		PROVIDED:				
90': 9' x 18' (10 SPACES)		RATIO	SPACES			
90': 9' x 20' (8 SPACES)			REGULAR	ACCESSIBLE	VAN ACCESSIBLE	TOTAL
90': 8' x 20' (2 SPACES)		1.33	18		2	20

3445SF-6(S)-2015v0

EXISTING

- Sanitary Sewer Manhole
- Sanitary Sewer Manhole as shown on provided plans - Not Found
- Manhole Unknown Utility
- Manhole as shown on provided plans - Not Found
- Storm Drain Inlet
- Power Pole
- Power Pole w/underground feed
- Power Pole/Light Pole
- Guy Wire
- Sanitary Sewer Clean-out
- Water Meter
- Water Valve
- Hydrant
- Electric Pedestal
- Electric Meter
- Traffic Box
- Telephone Pedestal
- Traffic Light Pole
- Overhead Traffic Light Pole
- Pedestrian Pushbutton Post
- Utility Box
- Light Pole
- Bollard
- Concrete Symbol
- Gas Meter
- Gas Valve
- Metal Post Fence
- Chain Link Fence
- Guard Rail
- Overhead Manhole
- Communications Manhole
- Sign
- Tree

PROPOSED

- BOUNDARY LINE
- CONCRETE CURB & GUTTER
- CONSTRUCTION FENCE (SEE DETAIL SHEETS)
- CONSTRUCTION FENCE ON PAVEMENT (SEE DETAIL SHEETS)
- BUILDING/CANOPY CONTROL POINT

GENERAL SITE NOTES

- A. ALL DIMENSIONS SHOWN ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
- B. ALL CURB RETURN RADII SHALL BE 3', AS SHOWN TYPICAL ON THIS PLAN, UNLESS OTHERWISE NOTED.
- C. UNLESS OTHERWISE SHOWN, CALLED OUT OR SPECIFIED HEREON:
 - ALL CURB ADJACENT TO CONCRETE PAVING SHALL BE INSTALLED PER DETAIL 1B.
 - PAVEMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE PAVING PLAN OVER THE ENTIRE PAVING LOT AREA AND ALL APPROACH DRIVES.
 - SEE ASSOCIATED PLANS FOR CANOPY, COLUMN, PUMP ISLAND DETAILS AND LAYOUT.
- D. CONTRACTOR SHALL BEGIN CONSTRUCTION OF ANY LIGHT POLE BASES FOR RELOCATED LIGHT FIXTURES AND RELOCATION OF ELECTRICAL SYSTEM AS SOON AS DEMOLITION BEGINS. CONTRACTOR SHALL BE AWARE THAT INTERRUPTION OF POWER TO ANY LIGHT POLES OR SIGNS SHALL NOT EXCEED 24 HOURS.
- E. THE LOCATION OF THE CONSTRUCTION FENCE ON THE DRAWINGS IS FOR GRAPHICAL REPRESENTATION ONLY. THE CONTRACTOR IS TO ENSURE THAT THE CONSTRUCTION FENCE ENCOMPASSES THE ENTIRE WORK AREA.
- F. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED SMOOTH AND FOUR INCHES OF TOPSOIL APPLIED. IF ADEQUATE TOPSOIL IS NOT AVAILABLE ON SITE, THE CONTRACTOR SHALL PROVIDE TOPSOIL, APPROVED BY THE OWNER, AS NEEDED. THE AREA SHALL THEN BE SOODED, FERTILIZED, MULCHED, WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE PROJECT SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- G. CONTRACTOR SHALL PURCHASE AND INSTALL A MAILBOX, AND SHALL COORDINATE LOCATION OF MAILBOX WITH MURPHY CONSTRUCTION MANAGER AND/OR ON-SITE REPRESENTATIVE AND LOCAL POSTMASTER.
- H. ALL PROPOSED PAVEMENT STRIPING OR MARKINGS SHALL FOLLOW THE SPECIFICATIONS FOR PAINT INCLUDED IN DETAIL 10A.

SITE NOTES

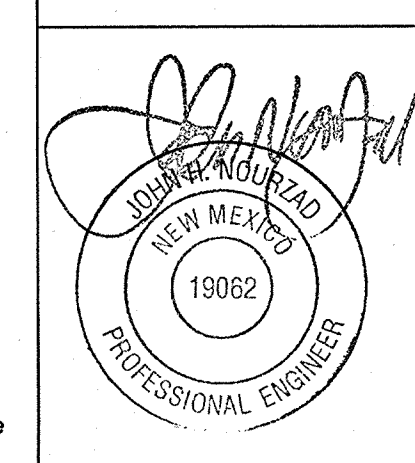
- 2F DRILL (2) 3/4" x 5/8" DIA. HOLES (1) EACH FOR OPEN POSITION & CLOSED POSITION OF GATES. TO BE USED ON BOTH SIDES OF GATE. SEE DUMPSTER DETAIL.
- 8B OVERHEAD CANOPY - (TYP.-PER CANOPY PLANS)
- 12A 4" TRAFFIC YELLOW LANE STRIPE (SEE LENGTH INDICATED AT SYMBOL).
- 12B 4" WIDE PAINTED STRIPES. 2.0" O.C. @ 45° (SEE SIZE COLOR INDICATED AT SYMBOL).
- 12C 4" DOUBLE TRAFFIC YELLOW LANE STRIPE (SEE LENGTH INDICATED AT SYMBOL).
- 12H FIRE LANE STRIPING PER LOCAL CODES
- 14J GC TO INSTALL (1) 4" PVC SLEEVE FOR IRRIGATION LINE. SEE UTILITY PLAN FOR INSTALLATION REQUIREMENTS.
- GC TO INSTALL (2) 4" PVC SLEEVES FOR FUTURE USE. SEE UTILITY PLAN FOR INSTALLATION REQUIREMENTS.
- 16K MURPHY OIL FREESTANDING SIGN. PER APPROVED ELEVATION.
- 21A TAPER CURB TO MATCH EXISTING CURB
- 21B TAPER CURB FROM 6" TO 10" OVER 2'
- 21D EDGE OF CONCRETE SLAB. PER TANK/PIPING PLANS.
- 21E UNDERGROUND STORAGE TANKS (1) 25,000 GAL-REGULAR, (1) 8,000 GAL-PREMIUM, (1) 10,000 GAL-DIESEL, (1) 8,000 GAL-E-O.
- 21G AIR VACUUM UNIT WITH 4' x 7' CONCRETE SLAB
- 21H MURPHY EXPRESS ID SIGN. PER APPROVED ELEVATION.
- 21I PRICE SIGN PER APPROVED ELEVATION
- 21J 7' x 10' CONCRETE PAD FOR PROPANE TANKS.
- 21T MAILBOX (CONTRACTOR TO COORDINATE LOCATION WITH MURPHY AND POSTMASTER PRIOR TO INSTALLATION)
- 21U 5' x 7' CONCRETE SLAB FOR ICE UNIT. SEE NUMBER INDICATED AT SYMBOL.
- 21V CONCRETE PAD FOR VENT RISERS. PER TANK & PIPING PLANS.

SITE DETAILS - SEE DETAIL SHEETS

- 1B TYPE "B" CONCRETE CURB & GUTTER.
- 1D TYPE "D" CURB (DEPRESSED CURB AND GUTTER)
- 2E DUMPSTER ENCLOSURE
- 2F CONSTRUCTION SAFETY FENCE
- 3D CONCRETE SIDEWALK
- 3M WHEELCHAIR RAMP IN SIDEWALK
- 3N 24" WIDE TACTILE WARNING STRIP
- 5A GUARD POST (SINGLE)
- 5B TRAFFIC SIGN IN BOLLARD
- U-DUMPER
- 6B RETAINING/SCREEN WALL (SEE SHEET RW1)
- 6S ACCESSIBLE / VAN ACCESSIBLE PARKING SIGN (TYP.)
- 9U ACCESSIBLE PARKING SYMBOL (SEE PAINT COLOR INDICATED AT SYMBOL).
- 10A TRAFFIC FLOW ARROW (TYP.)
- 10B STOP BAR (TYP.)
- 10J CROSS WALK MARKING
- 11K "NO PARKING" SIGN
- 12B BICYCLE RACK
- 12C "STOP" SIGN
- 12N MOTORCYCLE PARKING
- 13A SITE LIGHT POLE. SEE PHOTOMETRIC PLANS FOR POLE BASE DETAIL, FIXTURE TYPE, AND MOUNTING DETAILS.
- 17B CONCRETE FLUME
- 17R DRAINAGE SIDEWALK CULVERT W/ STEEL PLATE TOP

SHEET NO.

C-1



DEC 04 2018

DS
DES
CB
PM
SP
PRN
DATE
REV-6

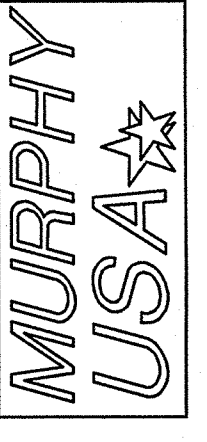
SITE PLAN
MURPHY EXPRESS
1358 WYOMING BLVD
ALBUQUERQUE NEW MEXICO

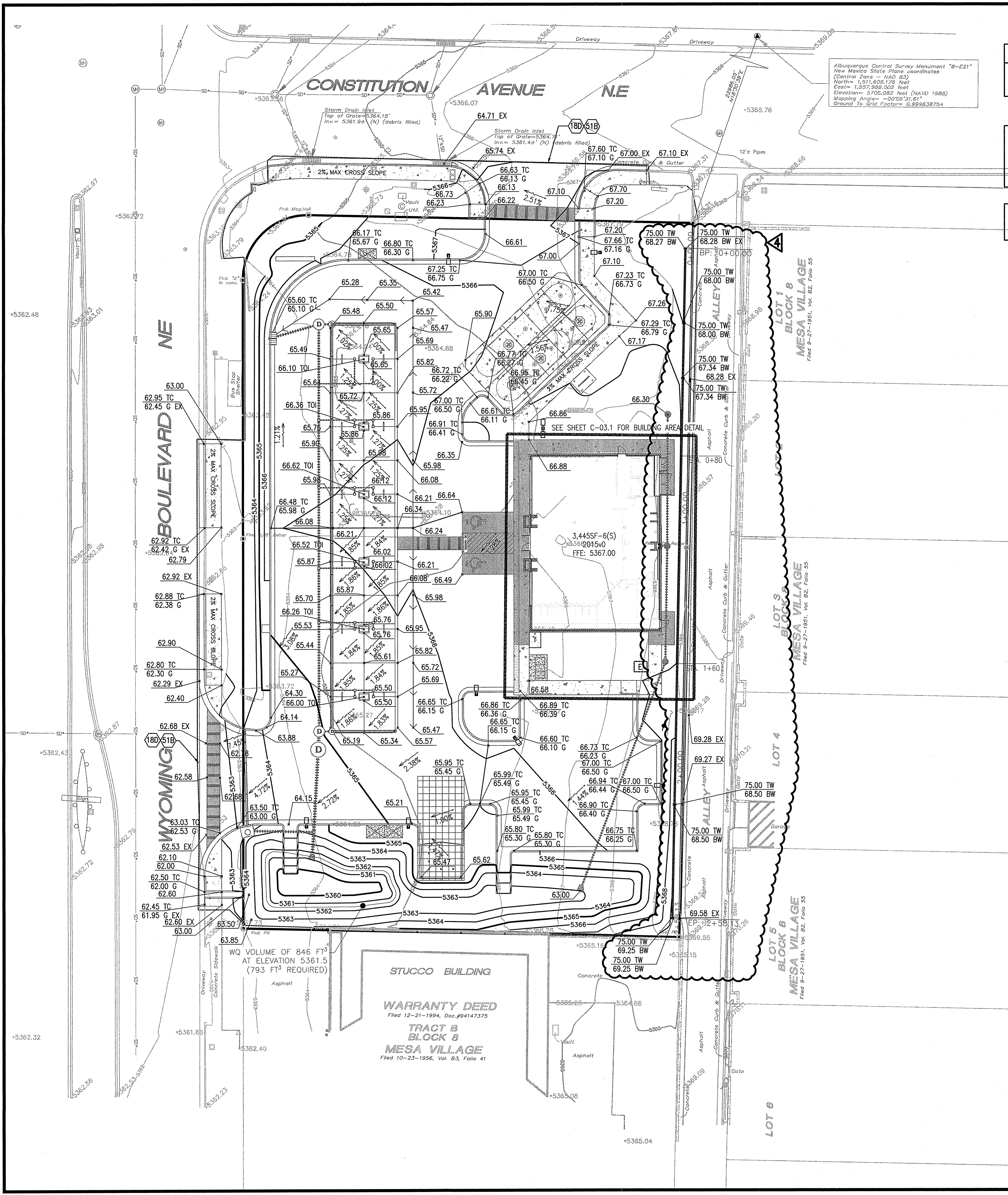
GreenbergFarrow

1430 W. PEACHTREE ST. NW
ATLANTA, GA 30309
PHONE: (404) 601-4000
DWG NAME: ALBUQUERQUE.NM
JOB NO.: 20022110
20022110

MURPHY OIL USA, INC.

200 PEACH ST.
EL DORADO, AR 71730

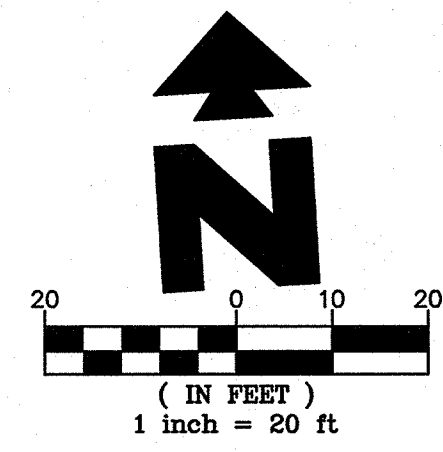




CITY WATER QUALITY REQUIREMENT
0.26 X IMPERVIOUS AREA X 43560 X (1/12):
0.26 IN X 0.84 AC X 43560 X (1/12IN)
= 793 FT³

CROSSWALKS AND AREAS WITHIN 5' OF BUILDING SHALL HAVE A MAXIMUM CROSS SLOPE OF 2%

SEE SHEET C03.1 FOR BUILDING AREA GRADING



EXISTING	
Sanitary Sewer Manhole	Telephone Pedestal
Sanitary Sewer Manhole as shown on provided plans - Not Found	Traffic Light Pole
Manhole Unknown Utility	Overhead Traffic Light Pole
Manhole as shown on provided plans - Not Found	Pedestrian Pushbutton Post
Storm Drain Inlet	Utility Box
Power Pole	Light Pole
Power Pole w/underground feed	Ballard
Power Pole/Light Pole	Concrete Symbol
Guy Wire	Gas Meter
Sanitary Sewer Clean-out	Gas Valve
Water Meter	Metal Post Fence
Water Valve	Chain Link Fence
Hydrant	Guard Rail
Electric Pedestal	Quest Manhole
Electric Meter	Communications Manhole
Traffic Box	Sign
SANITARY SEWER LINE	Tree
CUTTER	
GAS LINE	
OVERHEAD POWER LINE	

PROPOSED	
PROPERTY LINE	
CONCRETE CURB & GUTTER	
PROPOSED CONTOUR	
CONSTRUCTION FENCE	
CONSTRUCTION FENCE ON PAVEMENT (SEE DETAIL SHEETS)	
DRAINAGE SLOPE AND DIRECTION	
SPOT ELEVATIONS:	
XXXX TC	TOP OF CURB
XXXX C	TOP OF ISLAND
XXXX TOI	EXISTING ELEVATION
XXXX EX	TOP OF SIDEWALK
XXXX TS	
RIDGELINE	
PROPOSED STORM SEWER PIPE	
HC ACCESSIBLE PATH. CROSS SLOPE SHALL BE 2% OR LESS	
DRAINAGE PATH	

- NOTE: SPOT ELEVATIONS SHORTENED FOR CLARITY. ADD 5300 TO ELEVATION STATED.
- GENERAL GRADING NOTES
- PRIOR TO INSTALLATION OF STORM OR SANITARY SEWER, WATER MAIN OR ANY OTHER UTILITIES, THE CONTRACTOR SHALL EXCAVATE, VERIFY, AND CALCULATE ALL POINTS OF CONNECTION AND ALL UTILITY CROSSINGS AND INFORM THE OWNER AND THE ENGINEER OF ANY CONFLICTS OR REQUIRED DEVIATIONS FROM THE PLAN PRIOR TO CONSTRUCTION. NOTIFICATION SHALL BE MADE A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION. THE ENGINEER AND ITS CLIENTS SHALL BE HELD HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION.
 - ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED SMOOTH AND FOUR INCHES OF TOPSOIL APPLIED. IF ADEQUATE TOPSOIL IS NOT AVAILABLE ON SITE, THE CONTRACTOR SHALL PROVIDE TOPSOIL, APPROVED BY THE OWNER, AS NEEDED. THE AREA SHALL THEN BE SEEDDED/SODDED, FERTILIZED, MULCHED, WATERED, AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY RELOCATED TREES SHALL BE MAINTAINED UNTIL SUCH POINT AS TREE IS RE-ESTABLISHED. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE PROJECT SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
 - THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES.
 - CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE PROPOSED GRADES SHOWN ON THESE PLANS ARE NOT FROM AN AS-BUILT SURVEY. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR WILL BE RESPONSIBLE FOR VERIFYING EXISTING ELEVATIONS BEFORE COMMENCING CONSTRUCTION. EXISTING AND PROPOSED CONTOURS ARE FOR REFERENCE ONLY.
 - THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION OF THE CONSTRUCTION TRAILER AND FENCING SHALL NOT AFFECT THE WAL-MART TRAFFIC FLOW.
 - CONTRACTOR TO FIELD VERIFY ELEVATIONS OF PROPOSED DRAINAGE STRUCTURES AND ADJACENT PAVEMENT CONSTRUCTED BY WAL-MART PRIOR TO STARTING CONSTRUCTION.
 - REFER TO GEOTECHNICAL REPORT FOR SPECIFIC SITE SOIL CONDITIONS AND CONSIDERATIONS.
 - CONTRACTOR SHALL COMPLY COMPLETELY WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING, AND OTHER MEANS OF PROTECTION. THIS IS TO INCLUDE, BUT NOT LIMITED TO, ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH PERFORMANCE CRITERIA AS REQUIRED BY OSHA.
 - CONTRACTOR SHALL TAKE ALL APPROPRIATE MEASURES TO KEEP SEDIMENT FROM ENTERING THE WAL-MART PARKING AREA AND ENSURE THAT THE PARKING AREA IS KEPT CLEAR.
 - ALL HDPE PIPE SHALL BE N-12 WT IB (OR EQUIVALENT) WITH SMOOTH INTERIOR AND ANNUAL EXTERIOR CORRUGATIONS. 4"-48" PIPE SHALL MEET ASTM F2848 (OR AASHTO M252 TYPE S) REQUIREMENTS, AND SHALL HAVE A MINIMUM MANNINGS "n" DESIGN VALUE OF 0.012. JOINTS SHALL BE WATERTIGHT ACCORDING TO ASTM D3212 (OR AASHTO M252, M294) REQUIREMENTS. GASKETS SHALL MEET THE REQUIREMENTS OF ASTM F477, JOINT PERFORMANCE, FITTINGS, MATERIAL PROPERTIES, AND INSTALLATION SHALL BE DONE PER THE COMPLETE ADS SPECIFICATION FOR ADS N-12 WT IB PIPE FOUND IN THE ADS, INC. DRAINAGE HANDBOOK, LATEST EDITION.
 - IF USING HDPE PERFORATED PIPE FOR SUBSURFACE DRAINAGE AND DETENTION/RETENTION SYSTEMS, THE PERFORATIONS SHALL MEET THE AASHTO CLASS II STANDARD PERFORATION PATTERN REQUIREMENTS.
- GRADING NOTES
- 180 MATCH EXISTING PAVEMENT ELEVATIONS
518 LIMITS OF SAWCUT AND PAVEMENT REMOVAL



SHEET NO.

C-3

DEC 04 2018

GRADING PLAN

MURPHY EXPRESS

1358 WYOMING BLVD

ALBUQUERQUE NEW MEXICO

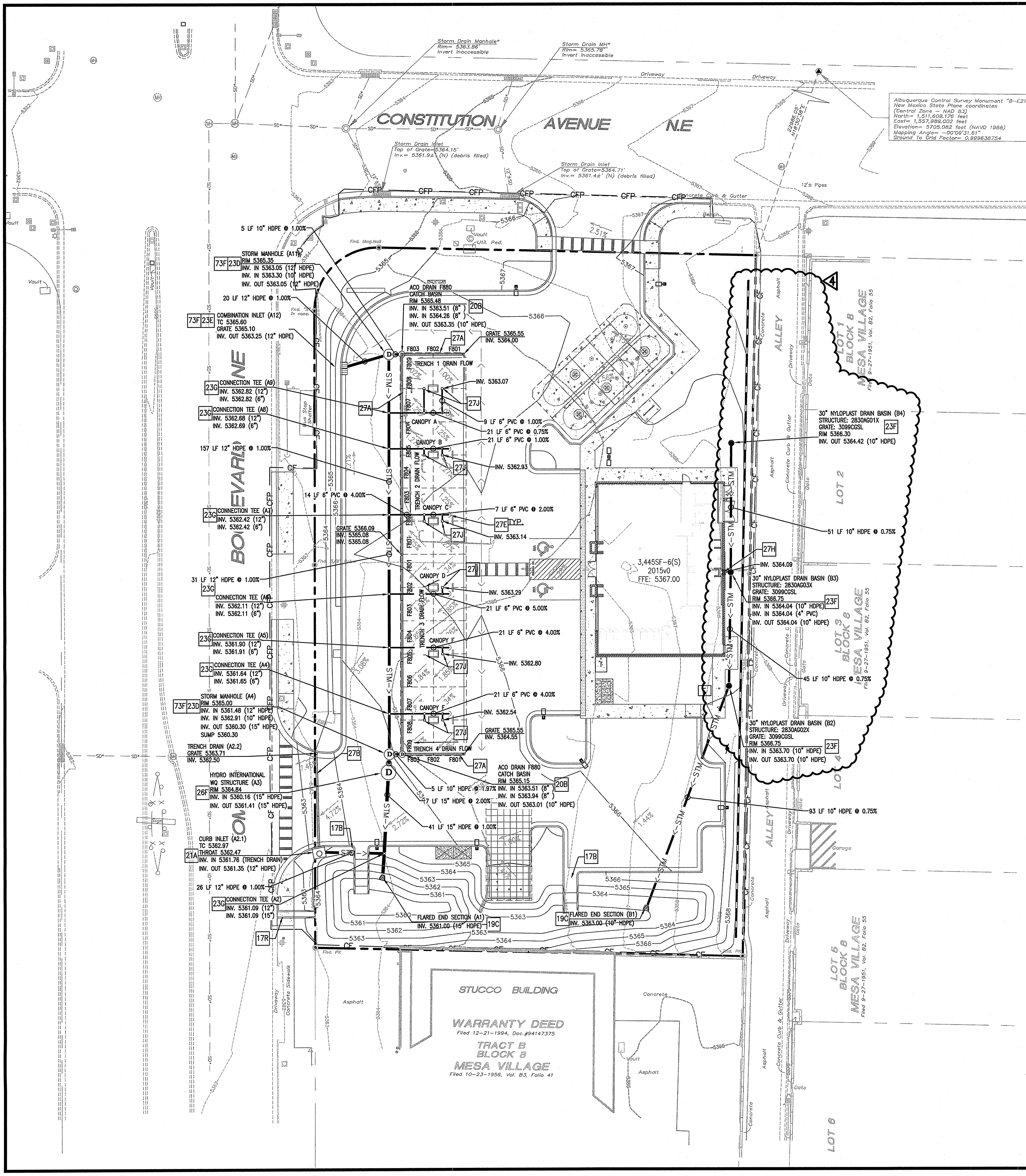
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1430 W PEACHTREE ST. NW
ATLANTA, GA 30309
PHONE: (404) 601-4000
DWG NAME: ALBUQUERQUE, NM
JOB NO.: 20161221.0
20161221.0

MURPHY OIL USA, INC.

200 PEACH ST.
EL DORADO, AR 71730

MURPHY
USA



CITY WATER QUALITY REQUIREMENT

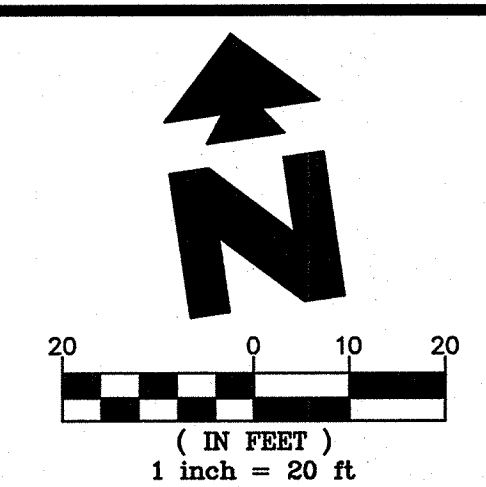
0.26 X IMPERVIOUS AREA X 43560 X (1/8):
0.26 IN X 0.84 AC X 43560 X (1FT/12IN)
= 793 FT ³

POST-DEV LAND USE

IMPERVIOUS AREA	0.72 AC
PERVIOUS AREA	0.36 AC
TOTAL AREA	1.08 AC

THIS PROPERTY IS NOT LOCATED WITHIN ANY PRESENTLY ESTABLISHED 100-YEAR FLOOD PLAIN, AS SHOWN BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, FLOOD INSURANCE RATE MAP # 35001C0356H, COMMUNITY PANEL NUMBER 356 OF 825 DATED AUGUST 16, 2012.

SEE SHEETS C03.3 AND C03.4 FOR STORM PROFILES AND CROSSINGS



EXISTING

Sanitary Sewer Manhole	Telephone Pedestal
Sanitary Sewer Manhole as shown on provided plans - Not Found	Traffic Light Pole
Manhole Unknown Utility	Overhead Traffic Light Pole
Manhole as shown on provided plans - Not Found	Pedestrian Pushbutton Post
Storm Drain Inlet	Utility Box
Power Pole	Light Pole
Power Pole w/underground feed	Bollard
Power Pole/Light Pole	Concrete Symbol
Guy Wire	Gas Meter
Sanitary Sewer Clean-out	Gas Valve
Water Meter	Metal Post Fence
Water Valve	Chain Link Fence
Hydrant	Quarry Rail
Electric Pedestal	Overhead Manhole
Electric Meter	Communications Manhole
Traffic Box	Sign
SANITARY SEWER LINE	Tree
STORM DRAIN LINE	
GAS LINE	
OVERHEAD POWER LINE	

PROPOSED

PROPERTY LINE
PROPOSED CURB AND GUTTER
PROPOSED CONTOUR
CONSTRUCTION FENCE
CONSTRUCTION FENCE ON PAVEMENT (SEE DETAIL SHEETS)
DRAINAGE SLOPE AND DIRECTION
PROPOSED STORM SEWER PIPE

- GENERAL GRADING NOTES
- PRIOR TO INSTALLATION OF STORM OR SANITARY SEWER, WATER MAIN OR ANY OTHER UTILITIES, THE CONTRACTOR SHALL EXCAVATE, VERIFY, AND CALCULATE ALL POINTS OF CONNECTION AND ALL UTILITY CROSSINGS AND INFORM THE OWNER AND THE ENGINEER OF ANY CONFLICTS OR REQUIRED DEVIATIONS FROM THE PLAN PRIOR TO CONSTRUCTION. NOTIFICATION SHALL BE MADE A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION. THE ENGINEER AND HIS CLIENTS SHALL BE HELD HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION.
 - ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED SMOOTH AND FOUR INCHES OF TOPSOIL APPLIED. IF ADEQUATE TOPSOIL IS NOT AVAILABLE ON SITE, THE CONTRACTOR SHALL PROVIDE TOPSOIL, APPROVED BY THE OWNER, AS NEEDED. THE AREA SHALL THEN BE SEED/SOODED, FERTILIZED, MULCHED, WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY RELOCATED TREES SHALL BE MAINTAINED UNTIL SUCH POINT AS TREE IS RE-ESTABLISHED. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE PROJECT SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
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 - REFER TO GEOTECHNICAL REPORT FOR SPECIFIC SITE SOIL CONDITIONS AND CONSIDERATIONS.
 - CONTRACTOR SHALL COMPLY COMPLETELY WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SHIELDING, BENCHING AND OTHER MEANS OF PROTECTION. THIS IS TO INCLUDE, BUT NOT LIMITED TO ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH PERFORMANCE CRITERIA AS REQUIRED BY OSHA.
 - ALL HDPE SHALL BE N-12 WT IB (OR EQUIVALENT) WITH SMOOTH INTERIOR AND ANNULAR EXTERIOR CORRUGATIONS. 4"-60" PIPE SHALL MEET ASTM F2648 (OR AASHTO M252 TYPE S) REQUIREMENTS, AND SHALL HAVE A MINIMUM HANNOING 1" DESIGN VALUE OF 0.012. JOINTS SHALL BE WATER TIGHT ACCORDING TO ASTM D3212 (OR AASHTO M252, M294) REQUIREMENTS. GASKETS SHALL MEET THE REQUIREMENTS OF ASTM F477, JOINT PERFORMANCE, FITTINGS, MATERIAL PROPERTIES, AND INSTALLATION SHALL BE DONE PER THE COMPLETE ADS SPECIFICATION FOR ADS N-12 WT IB PIPE FOUND IN THE ADS, INC. DRAINAGE HANDBOOK, LATEST EDITION.
 - IF USING HDPE PERFORATED PIPE FOR SUBSURFACE DRAINAGE AND DETENTION/RETENTION SYSTEMS, THE PERFORATIONS SHALL MEET THE AASHTO CLASS II STANDARD PERFORATION PATTERN REQUIREMENTS.
 - UNLESS OTHERWISE INDICATED, ALL STORM SEWER LINES 18"-54" DIAMETER ARE TO BE REINFORCED CONCRETE PIPE ACCORDING TO ASTM C-76 TYPE II.

STORM DETAILS - SEE DETAIL SHEETS

17B	CONCRETE FLUME
17R	DRAINAGE SIDEWALK CULVERT W/ STEEL PLATE TOP
19C	FLARED END SECTION
20A	JUNCTION BOX
20B	ACO DRAIN F880 CATCH BASIN
21A	CURB INLET
21E	COMBINATION INLET
23F	NYLOPLAST ENGINEERED STRUCTURE MANUFACTURED BY ADS PIPE (OR APPROVED EQUAL). SEE STRUCTURE AND GRATE/LID MODEL NUMBER INDICATED AT SYMBOL. STRUCTURES IN DRIVES MUST BE DESIGNED TO WITHSTAND H-20 LOADING. STRUCTURES IN LANDSCAPED AREAS USE NON-TRAFFIC INSTALLATION DETAIL.
23G	TEE CONNECTION (INSERT TEE OR EQUIVALENT WATER TIGHT CONNECTION)
26F	HYDRO INTERNATIONAL "FIRST DEFENSE" WO UNIT
27A	ACO DRAIN FLOWDRAIN - F6200 WITH LONGITUDINAL DUCTILE IRON GRATE (ADA COMPLIANT).
27B	TRENCH DRAIN
27C	STORM DRAIN CLEAN-OUT
27H	ROOF DRAIN DOWNSPOUT CONNECTION
27J	CANOPY DRAIN DOWNSPOUT CONNECTION
27F	WATERSTOP STRUCTURE CONNECTION FOR HDPE PIPE



SHEET NO.

C-3.2

GreenbergFarrow

1430 W. PEACHTREE ST. NW
ATLANTA, GA 30309
PHONE: (404) 601-4000
DWG NAME: ALBUQUERQUE, NM
JOB NO.: 2016221.0
2016221.0

MURPHY OIL USA, INC.

200 PEACH ST.
EL DORADO, AR 71730

MURPHY OIL USA

STORM DRAINAGE PLAN

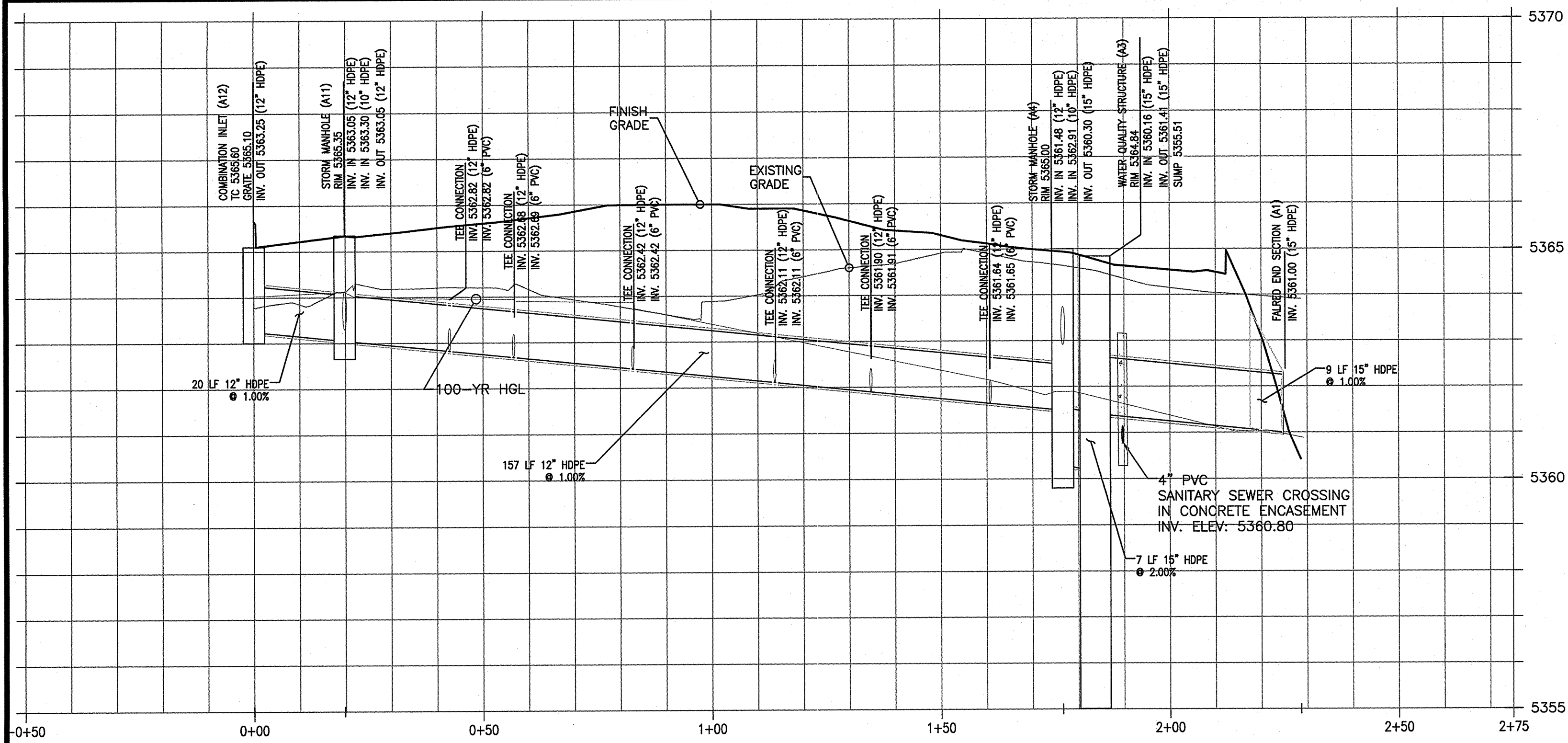
MURPHY EXPRESS

1358 WYOMING BLVD

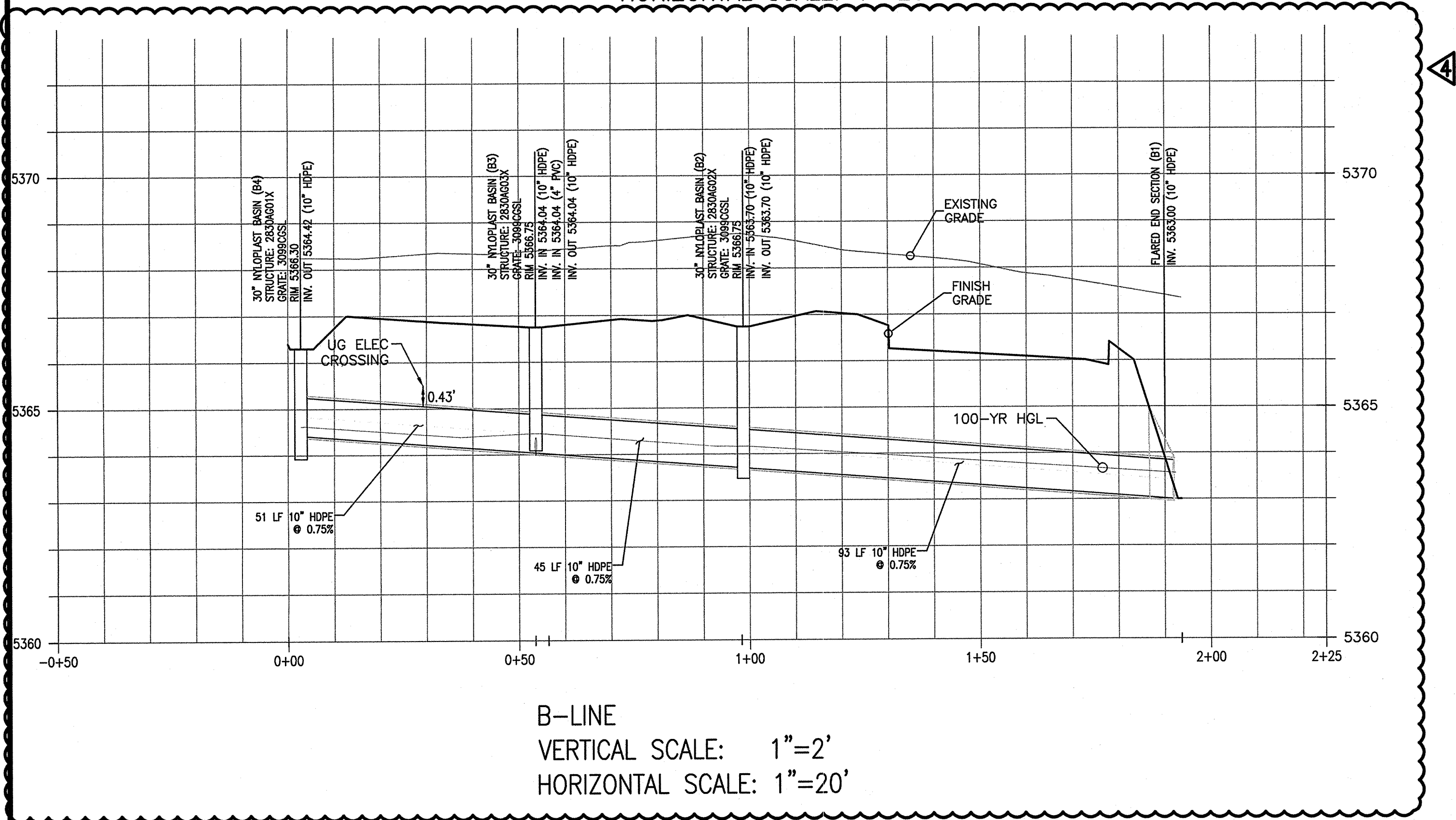
ALBUQUERQUE NEW MEXICO

DEC 04 2018

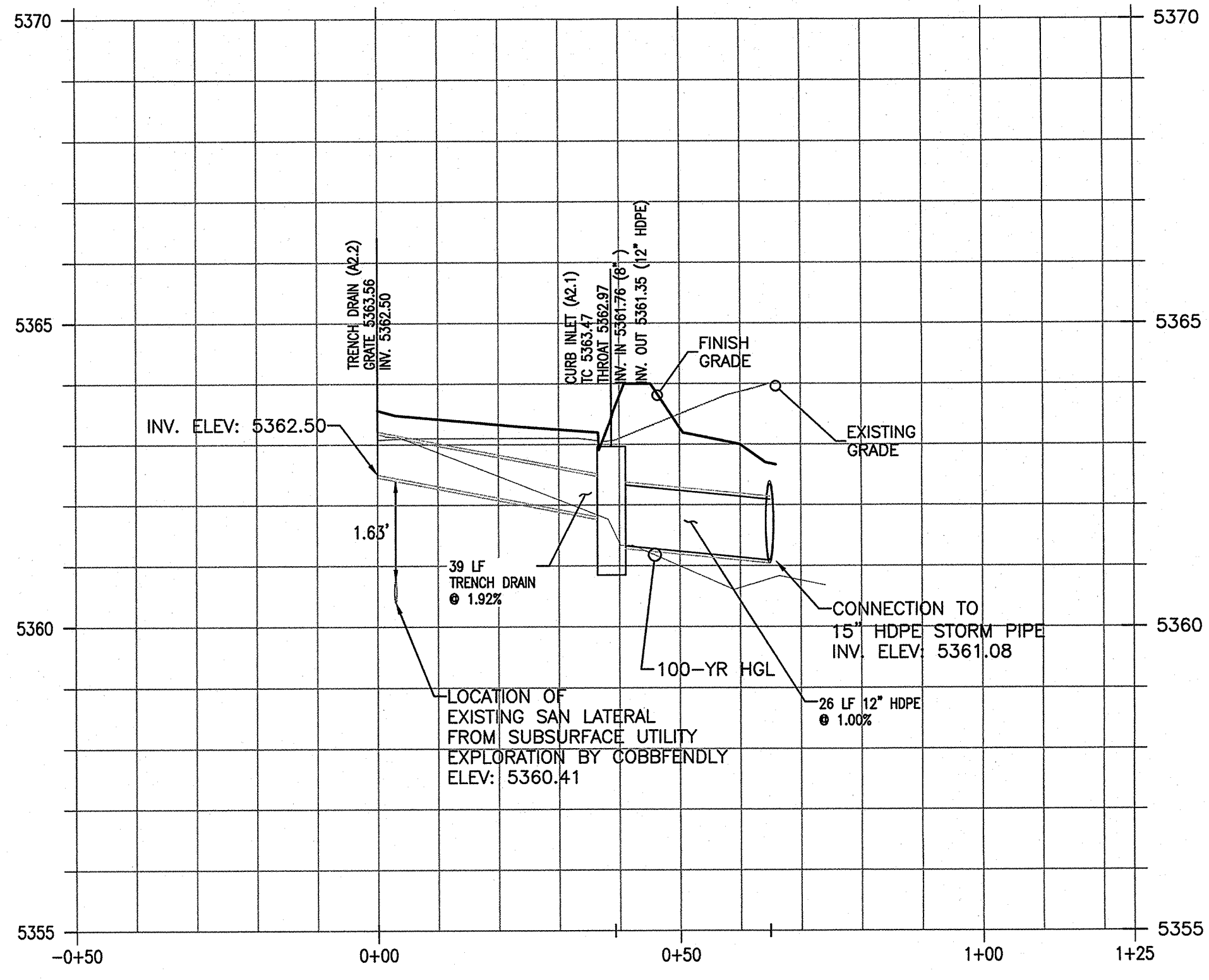
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DES
DRW



A-LINE
VERTICAL SCALE: 1"=2'
HORIZONTAL SCALE: 1"=20'



B-LINE
VERTICAL SCALE: 1"=2'
HORIZONTAL SCALE: 1"=20'



A2.2-A2
VERTICAL SCALE: 1"=2'
HORIZONTAL SCALE: 1"=20'