

SMITH'S FUEL CENTER #485

6941 Montgomery Blvd. NE

Montgomery & Louisiana Blvd. Improvements

CITY OF ALBUQUERQUE
NEW MEXICO
AUGUST 2014

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CERTIFICATE OF SUBSTANTIAL COMPLIANCE

I, David G. Anderson, of the firm Anderson Wahlen & Associates, a Registered Professional Engineer in the State of New Mexico, and Project Engineer for the construction of Smith's Fuel Center #485, Project No: 791982 Sheets 1 through 6 as constructed by R & O Construction Company under contract to Smith's Food & Drug Centers, Inc. do hereby verify, to the best of my knowledge and belief, that the infrastructure installed as part of the project noted above has been observed 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 Verification is based on site observations by me or personnel under my direction and survey information provided by Sandia Land Surveying, NMPS number 12649. Respectfully Submitted,

Signature
Date

David G. Anderson
5-8-15



Legend

Proposed Curb & Gutter	Existing Asphalt
Proposed Open Face C & G	Existing Concrete
Proposed Asphalt	Existing Inlet Box
Proposed Concrete	Existing Catch Basin
Proposed Inlet Box	Existing Manhole
Proposed Catch Basin	Existing Fire Hydrant
Proposed Manhole	Existing Water Valve
Proposed Fire Hydrant	Existing Water
Proposed Water Valve	Existing Sewer
Proposed PVC SDR-21 Waterline	Existing Storm Drain
Proposed PVC DR-18 PI Line	Existing Light Pole
Proposed PVC SDR-35 Sewer Line	Existing Street Light
Proposed Storm Drain	Existing Fence
Proposed Light Pole	Existing Spot
Proposed Street Light	Existing Contour
Proposed Fence	Existing Telephone Box
Proposed Spot	Property Line
Proposed Contour	Existing Building
Ridge Line	Existing Gas
Direction of Drainage	Existing Power
Proposed Building	Existing Telephone
Existing Power Pole	Existing Gas Meter
Existing Power Pole w/ Guy	Existing Irrig. Control Box
Existing Overhead Power Line	Existing Bollard
Existing Power Meter	Flowline
Existing Electrical Box	Existing Hose Bib
Existing Electrical Cabinet	Centerline
Existing Utility Marker	Working Point
Existing Post	
Existing Deciduous Tree	

Abbreviations

RCP	Reinforced Concrete Pipe	BRW	Finish Grade - Bottom of Retaining Wall
TA	Top of Asphalt	FH	Fire Hydrant
EA	Edge of Asphalt	WV	Water Valve
TP	Top of Walk	PP	Power Pole
TC	Top of Concrete	TB	Telephone Box
FL	Lip of Gutter	EB	Electrical Box
TC	Flowline	ECAB	Electrical Cabinet
TC	Top of Curb	PM	Power Meter
TC	Top of Grade	MH	Manhole
CB	Catch Basin	EMH	Electrical Manhole
TMH	Telephone Manhole	LP	Light Pole
PVC	Poly Vinyl Chloride	CD	Cleanout Box
SD	Storm Drain	Mon	Monument
SMH	Sanitary Sewer Manhole	BOL	Bollard
SDMH	Storm Drain Manhole	G	Ground
TRW	Finish Grade - Top of Retaining Wall	TI	Top of Island

PRIVATE ENGINEER'S NOTICE TO CONTRACTORS

The Contractor agrees that he shall assume sole and complete responsibility for job site conditions during the course of construction of this project, including safety of all persons and property; that this requirement shall apply continuously and not be limited to normal working hours; and that the contractor shall defend, indemnify, and hold the owner and the engineer harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting for liability arising from the sole negligence of the owner or the engineer.

Surv-Tek, Inc. is the licensed Surveyor responsible for providing surveying services for this project. Great Basin Engineering has relied upon Surv-Tek, Inc. for professional services in preparing this drawing. Great Basin Engineering makes no claims to the accuracy of the information provided by Surv-Tek, Inc.

Survey Note

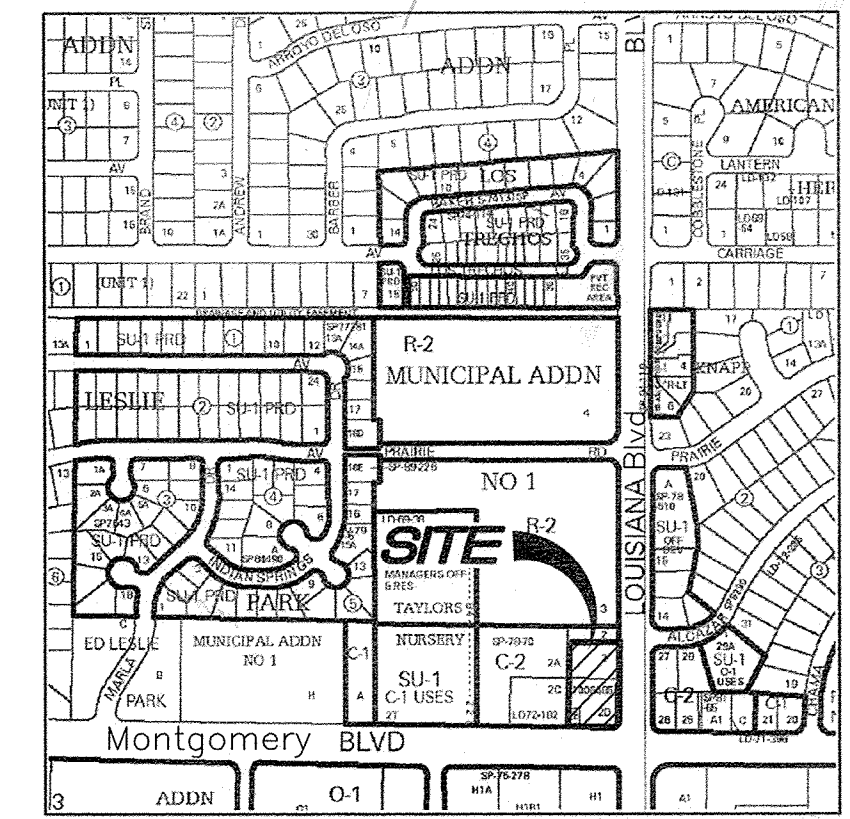
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Smith's
FOOD & DRUG STORES

1550 South Redwood Road
Salt Lake City, Utah 84104
Telephone (801) 974-1400

#485
Albuquerque, New Mexico

RECORD
DRAWING



VICINITY MAP

Zone Atlas Page: F-18

NOTICE TO CONTRACTORS

- 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 #8) INCLUDING AMENDMENT #1.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES 24-HOUR CONSTRUCTION.
- 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.
- 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 (924-3400) PRIOR TO OCCUPANCY AN INTERSECTION. REFER TO SECTION 19 OF THE STANDARD SPECIFICATIONS.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY THE CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN.
- 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. 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 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 CONTRACTORS EXPENSE.
- 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.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
- ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSING OF ALL DEBRIS, INCLUDING, NOT LIMITED TO HAZARDOUS WASTE AT DISPOSAL SITES APPROVED BY GOVERNMENTAL AGENCIES REGULATING THE DISPOSAL OF SUCH MATERIALS.
- PERMANENT PAVING STRIPING AND MARKINGS WILL BE PLACED BY THE CONTRACTOR. THE ROAD SHALL NOT BE OPENED TO THE TRAFFIC UNTIL IT IS STRIPED. ALL STRIPING, PAVEMENT MARKINGS INCLUDING CROSSWALKS, ARROWS AND LINE MARKINGS ARE TO BE CONSTRUCTED OF HOT PLASTIC OR COLD PLASTIC IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- ALL WATER VALVE & METER BOXES IN THE STREET CONSTRUCTION ARE TO BE ADJUSTED TO FINISH GRADE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNING UNTIL PROJECT HAS BEEN ACCEPTED BY THE CITY.
- CONTRACTOR SHALL MAINTAIN AUTOMOBILE AND PEDESTRIAN ACCESS TO ALL ADJOINING PROPERTIES AT ALL TIMES.

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 ENGINEER.
- ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.



ANDERSON WAHLEN & ASSOCIATES

Great Basin Engineering South

2010 North Redwood Road, Salt Lake City, Utah 84116
801 521-8529 - AWAengineering.net

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION:
CITY CONSTRUCTION ENGINEER
[Signature]
DATE: 8-6-15

REV	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE	
		DRC Chairman		<i>David G. Anderson</i>		1-30-15	
		Transportation		<i>David G. Anderson</i>		12/23/14	
		Water/Wastewater		<i>David G. Anderson</i>		12/12/14	
		Hydrology		<i>David G. Anderson</i>		12/12/14	
		C.I.P.		<i>David G. Anderson</i>		12/12/14	
Constr. Mngmt.							
Constr. Coord.							
CITY PROJECT NO.							



Scale : 1" = 20'



NOTE:
See Plans by Madison
Industries for Footing
Depth.

Tank Installation Notes:

1. Contractor shall verify that a minimum of 1% slope is provided on all vapor recovery lines from the MPD to the tanks.

Filter Fabric Notes:

1. The bottom and all four sides of tank hole are to be lined with Amoco CEF 4545 or equivalent filter fabric.
2. All adjoining filter fabric panel seams are to be overlapped a minimum of 24"
3. All filter fabric is to be properly anchored to prevent movement while backfilling tank hole.

General Grading Notes:

1. All grading shall be in accordance with the project geotechnical report.
2. Cut slopes shall be no steeper than 3 horizontal to 1 vertical.
3. Fill slopes shall be no steeper than 3 horizontal to 1 vertical.
4. Fills shall be compacted per the recommendations of the geotechnical report prepared for the project and shall be certified by the Owner's Special Inspection.
5. Areas to receive fill shall be properly prepared and approved by the Owner's Special Inspection prior to placing fill.
6. Fills shall be benched into competent material as per specifications and geotechnical report.
7. All trench backfill shall be tested and certified by the Owner's Special Inspection.
8. The Owner's Special Inspection shall perform periodic inspections and submit a complete report and map upon completion of the rough grading.
9. The final compaction report and certification from the Owner's Special Inspection shall contain the type of field testing performed. Each test shall be identified with the method of obtaining the in-place density, whether sand cone or drive rig and shall be so noted for each test. Sufficient maximum density determinations shall be performed to verify the accuracy of the maximum density curves used by the field technician.
10. Dust shall be controlled by watering.
11. The location and protection of all utilities is the responsibility of the permittee.
12. Approved protective measures and temporary drainage provisions must be used to protect adjoining properties during the grading process.
13. All public roadways must be cleared daily of all dirt, mud and debris deposited on them as a result of the grading operation. Cleaning is to be done to the satisfaction of the City Engineer.
14. The site shall be cleared and grubbed of all vegetation and deleterious matter prior to grading.
15. The contractor shall provide shoring in accordance with OSHA requirements for trench walls.
16. Aggregate base shall be compacted per the geotechnical report prepared for the project.
17. The recommendations in the following Geotechnical Engineering Report by Kleinfield are included in the requirements of grading and site preparation. The Report is titled "Geotechnical Engineering Report Proposed Smith's Food and Drug Fuel Center Retail Store #485 Montgomery Boulevard & Louisiana Boulevard Albuquerque, New Mexico." Project No.: 00135339.000A Dated: July 29, 2014
18. As part of the construction documents, owner has provided contractor with a topographic survey performed by manual or aerial means. Such survey was prepared for project design purposes and is provided to the contractor as a courtesy. It is expressly understood that such survey may not accurately reflect existing topographic conditions.
19. If Contractor observes evidence of hazardous materials or contaminated soils he shall immediately contact the project engineer to provide notification and obtain direction before proceeding with disturbance of said materials or contaminated soil.
20. Contractor will be responsible to phase the construction development so that storm water improvements and storm water facilities including detention or retention improvement facilities are constructed and functional prior to an offsite storm water release and take necessary construction precautions so that no offsite flooding will occur.
21. Importing fill material from an off-site location without prior written approval from the Owner's Project Manager is strictly prohibited. Identification of offsite borrow locations and material must be coordinated and documented with the SWPPP. The Owner's Special Inspection shall verify the suitability of all off-site material. This includes an analysis to insure that no environmental contamination is present. If any material is brought on site without prior written approval of the Owner's Project Manager, the Contractor will bear all costs associated with removing the material, testing for contamination, monitoring the clean-up operation, disposal in an approved landfill, and certifying that the Owner's site is environmentally clean. If requested, the Owner's Project Manager or the Owner's Special Inspection must be granted unfettered access to any and all borrow sites.

Enlarged Kiosk Detail Scale : 1" = 10'

Grading Construction Notes

1. Wap Concrete to Eliminate Waterway Trough in Final 5' Linear Feet
2. Const. "Keystone" Retaining Wall. Contractor to Provide Design Submittal Stamped by New Mexico Licensed Professional Engineer for Approval to Engineer of Record Prior to Construction.
3. Const. Open-Face Curb & Gutter

Curb and Gutter Construction Notes:

1. Open face gutter shall be constructed where drainage is directed away from curb.
2. Open face gutter locations are indicated by shading and notes on the grading plan.
3. It is the responsibility of the surveyor to adjust top of asphalt grades to top of curb grades at the time of construction staking.
4. Refer to the typical details for a standard and open face curb and gutter for dimensions.
5. Transitions from open face to standard curb and gutter are to be smooth. Hand form these areas if necessary.

ADA Note:
Contractor must maintain a running slope on Accessible routes no steeper than 5.0% (1:20). The cross slope for Accessible routes must be no steeper than 2.0% (1:50). All Accessible routes must have a minimum clear width of 36". If Grades on plans do not meet this requirement notify Consultant immediately.
The Client, Contractor and Subcontractor should immediately notify the Consultant of any conditions of the project that they believe do not comply with the current state of the ADA and/or FHWA.

New Mexico One Call, Inc.
NMOCC
Professional Resources for Damage Prevention
1-800-321-ALERT

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FOOD & DRUG STORES

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#485

Albuquerque, New Mexico

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: Grading Plan SMITH'S FUEL CENTER #485 6941 Montgomery Blvd. NE	
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL
DATE	MO./DAY/YR.
FOR INFORMATION ONLY	
CITY PROJECT NO.	ZONE MAP NO.
791982	F-18
SHEET NO. 2 of 6	
485DRC_GR	



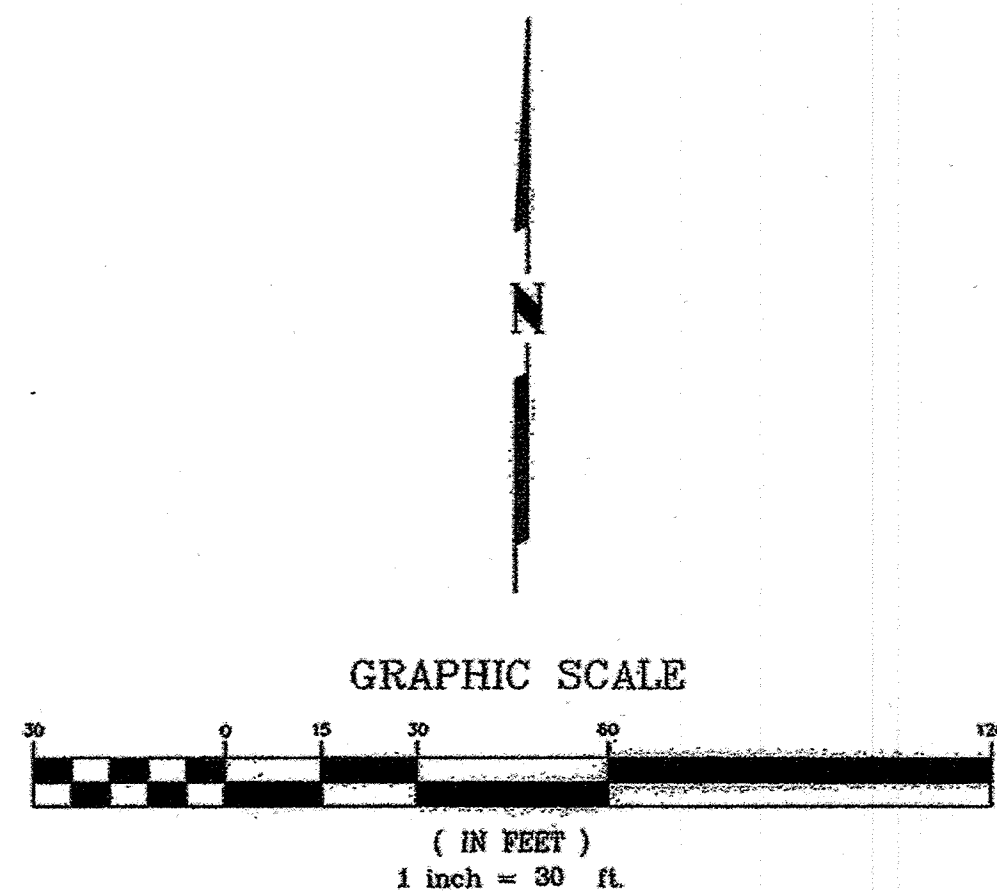
TRUNCATED DOMES:
 -Design Per ADA Guidelines
 -Submit Spec's to Construction Engineering for Evaluation
 Prior to Construction.
 See Detail 4, Sheet 5 of 6

(BEING A REPLAT OF A PORTION OF TRACT 2, REPLAT OF TRACT G
AND TRACT 2-D, MUNICIPAL ADDITION NO. 1)

SECTION 36, TOWNSHIP 11 NORTH, RANGE 3 EAST
NEW MEXICO PRINCIPAL MERIDIAN
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
JULY, 2014

CURVE TABLE						
CURVE	LENGTH	RADIUS	TANGENT	CHORD	CHORD BEARING	DELTA
C1	39.71'	25.00'	25.45'	35.67'	S45°39'21"W	91°00'43"

LINE TABLE		
LINE	LENGTH	BEARING
L1	53.30	N00°19'28"W
L2	36.01	S89°40'32"W



SHEET 3 OF 3

SURVOTEK, INC.

Consulting Surveyors
9384 Valley View Drive, N.W. Albuquerque, New Mexico 87114
Phone: 505-697-3386 Fax: 505-697-3377

Smith's

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Albuquerque, New Mexico

[illegible]

ANA **ANDERSON WAHLEN & ASSOCIATES**
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2010 North Redwood Road, Salt Lake City, Utah 84116
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **Subdivision Plat**
SMITH'S FUEL CENTER #485
6941 Montgomery Blvd. NE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	GN	MO./DAY/YR.	MO./DAY/YR.
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FOR INFORMATION ONLY	LAST DESIGN UPDATE		

77		
SHEET NO.		

CITY PROJECT NO. 791982	ZONE MAP NO. F-18	SHEET NO. <div style="font-size: 2em; font-weight: bold;">6 of 6</div> 485DRC_SubPlat
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