

# GENERAL NOTES

1. ALL WORK DETAILED ON THESE PLANS AND PERFORMED UNDER THIS CONTRACT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND THE PROJECT GEOTECHNICAL REPORT. WHERE APPLICABLE, CITY OF ALBUQUERQUE PUBLIC WORKS STANDARDS SHALL APPLY.

2. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS, INCLUDING EPA REQUIREMENTS WITH RESPECT TO STORM WATER DISCHARGE. 3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS INCLUDING ALL UNDERGROUND UTILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION OBSERVER OR ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

of existing utilities. CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.

4. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT LINE LOCATING SERVICE FOR LOCATION

6. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.

7. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE. 8. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.

9. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (I.E., BARRICADING, TOPSOIL DISTURBANCE, EXCAVATION PERMITS, EPA STORM WATER PERMITS, ETC.). 10. ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ALL

PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR. 11. THE CONTRACTOR SHALL PREPARE A CONSTRUCTION TRAFFIC CONTROL AND SIGNING PLAN AND OBTAIN APPROVAL OF SUCH PLAN FROM THE CITY OF ALBUQUERQUE, TRAFFIC ENGINEERING DEPARTMENT, PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON OR ADJACENT TO EXISTING STREETS.

12. ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), US DEPARTMENT OF TRANSPORTATION, LATEST EDITION.

13. THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE END AND BEGINNING OF EACH DAY. 14. THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO CONFORM WITH EPA REQUIREMENTS, INCLUDING COMPLIANCE WITH NPDES PHASE 2 REQUIREMENTS.

# AND O-1 PERMISSIVE USES ALAMEDA <sup>2</sup> CEMETERY OR SU-2 ROS MOTOROLA LOT OR 5U-2 NC R SU-2 ROS. BALLOON AMAFCA NORTH DIVERSION CHANNEL AND INLET CHANNELS

# **BENCHMARK**

1. ONSITE SET CONTROL STATION DATA MONUMENT "BH 15-176-10" (PK NAIL W/WASHER) NEW MEXICO STATE PLAN COORDINATES CENTRAL ZONE (NAD 83) N=1,521,886.686 E=1,537,114.655 ELEVATION= 5,095.695 (NAVD88) 2. ONSITE SET CONTROL STATION DATA MONUMENT "BH 15-176-11" (PK NAIL W/WASHER) NEW MEXICO STATE PLAN COORDINATES CENTRAL ZONE (NAD 83) N=1,522,159.553 E=1,537,069.223 ELEVATION= 5,093.772 (NAVD88)

# LEGEND

	APPROXIMATE PROPERTY LINE				
	EXISTING CONTOURS				
X 5301.15	EXISTING GROUND SPOT ELEVATION				
€ 65.23	PROPOSED SPOT ELEVATION TC=TOP OF CURB, FL=FLOW LINE FGL=FINISHED GRADE LOW, FGH=FINISHED GRADE HIGH, EX=EXISTING, TG=TOP OF GRADE				
S=2.0%	PROPOSED DIRECTION OF FLOW				
~~~~~	WATER BLOCK				
	PROPOSED RETAINING WALL				
5305	PROPOSED INDEX CONTOURS				
	PROPOSED INTER CONTOURS				

**⊕** □•

#### GRADING NOTES 1. EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS

BOUNDARIES EXCEPT AS REQUIRED BY THIS PLAN.

SHOWN ON THIS PLAN. 2. THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT

3. ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION, AND PAVEMENT INSTALLATION, AS SHOWN ON THIS PLAN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "GEOTECHNICAL INVESTIGATION". ALL OTHER WORK SHALL, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT, (FIRST PRIORITY) SPECIFICATIONS, AND/OR THE CITY OF ALBUQUERQUE (COA) STANDARD SPECIFICATIONS FOR PUBLIC WORKS (SECOND PRIORITY).

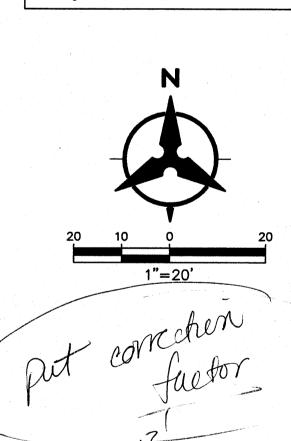
4. EARTH SLOPES SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE. 5. IT IS THE INTENT OF THESE PLANS THAT THIS CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE PROPERTY

6. THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHT-OF-WAY.

7. A DISPOSAL SITE FOR ANY & ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL AND/OR A BORROW SITE CONTAINING ACCEPTABLE FILL MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL OR BORROW SITE AND HAUL TO OR FROM SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT

8. PAVING AND ROADWAY GRADES SHALL BE +/- 0.1' FROM PLAN ELEVATIONS. PAD ELEVATION SHALL BE +/- 0.05' FROM BUILDING PLAN ELEVATION. 9. ALL PROPOSED CONTOURS REFLECT TOP OF PAVEMENT ELEVATIONS IN THE PARKING AREA AND MUST BE ADJUSTED FOR MEDIANS AND ISLANDS.

10. VERIFY ALL ELEVATIONS SHOWN ON PLAN FROM BASIS OF ELEVATION CONTROL STATION PRIOR TO BEGINNING CONSTRUCTION.



# **○ KEYED NOTES**

1. INSTALL NEW 4' WIDE VALLEY GUTTER PER DETAIL 1 THIS SHEET.

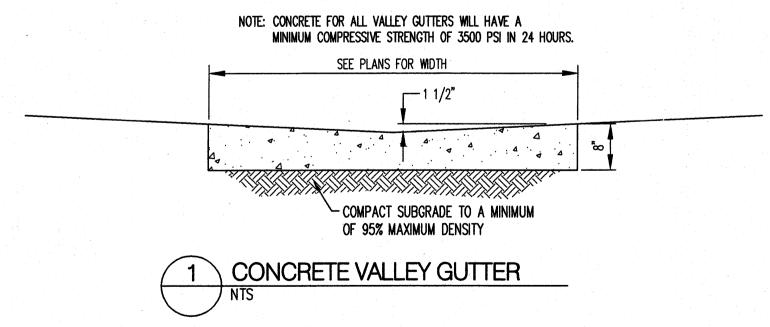
2. EXTEND EXISTING RETAINING WALL. SEE STRUCTURAL FOR DETAILS

3. INSTALL NEW 2' WIDE VALLEY GUTTER PER DETAIL 1 THIS SHEET.

4. WARP NEW PAVEMENT AROUND EXISTING RETAINING

5. EXISTING PONDING AREA AND OUTFALL DESIGNED FOR DEVELOPED CONDITIONS OF ENTIRE SITE UNDER ORIGINAL GRADING AND DRAINAGE PLAN DATED 07/05/88. EXISTING OUTFALL SHALL BE CLEARED OF ALL DEBRIS TO ALLOW FOR CLEAR PASSAGE OF

DRAINAGE INTO WASHINGTON PLACE.

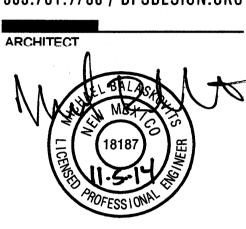


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ARCHITECTURE / DESIGN / INSPIRATION

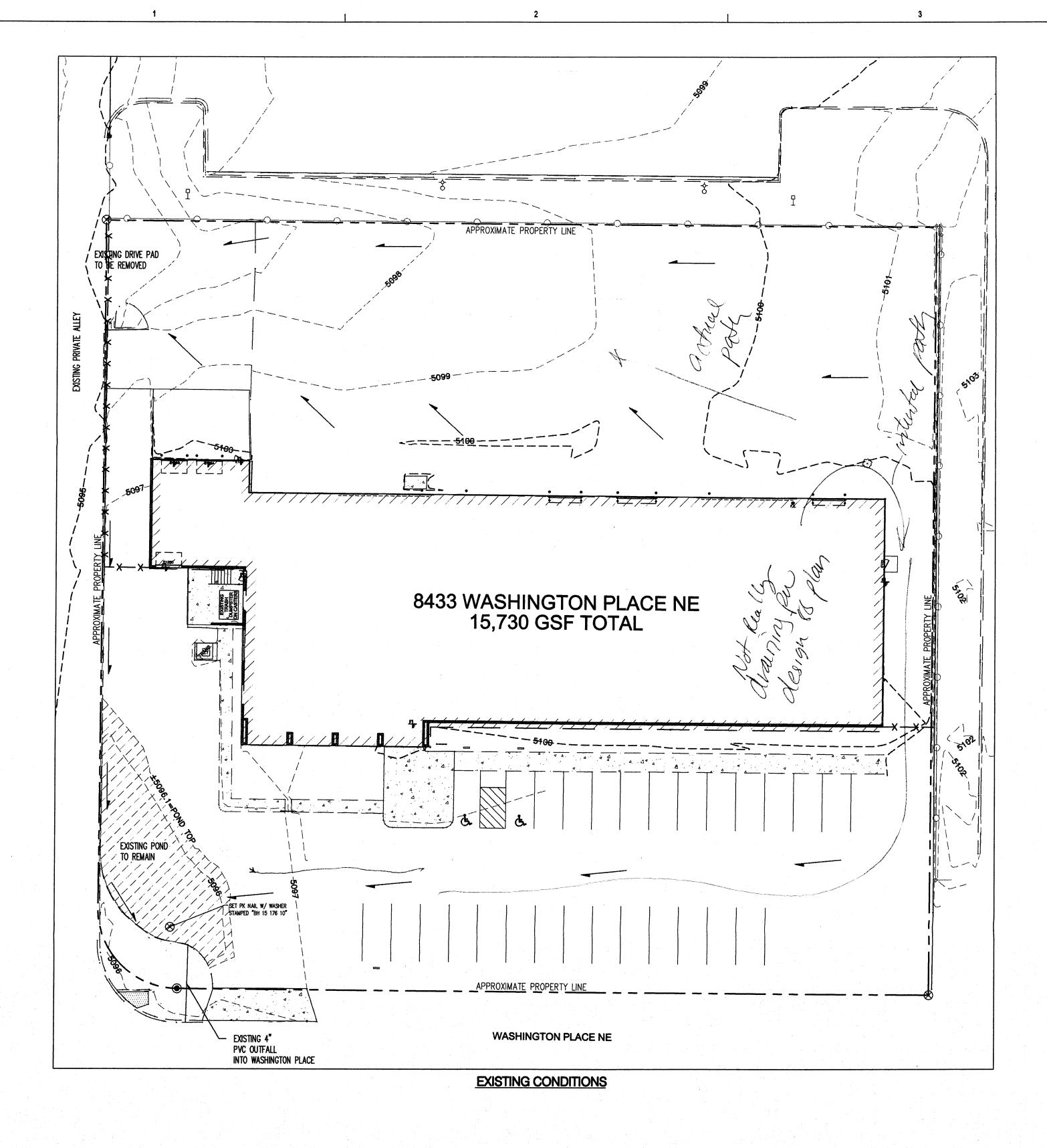
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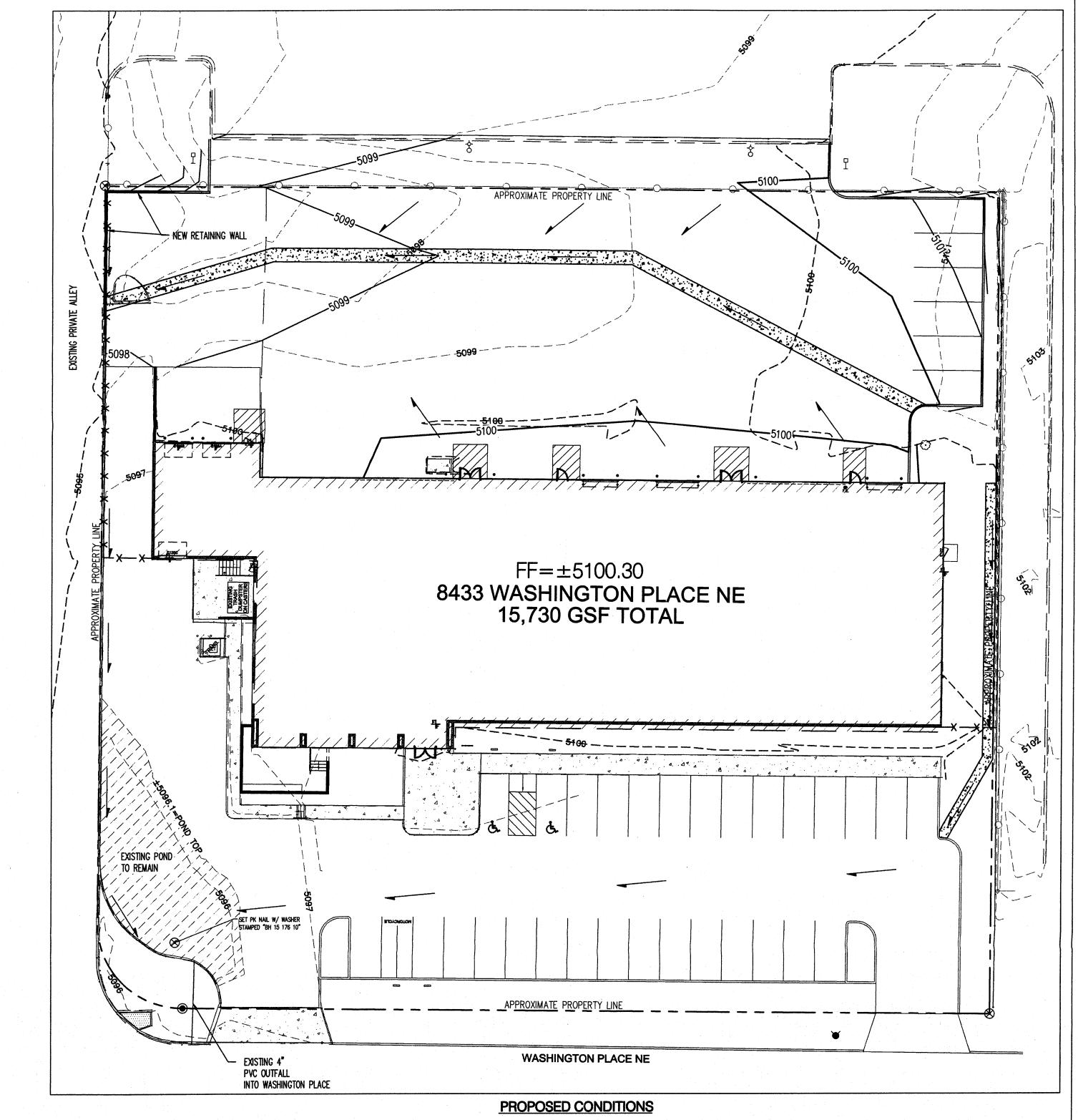
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PROJECT

**REVIEWED BY** 14-0051.001 DRAWING NAME **GRADING AND** DRAINAGE





# DRAINAGE MANAGEMENT PLAN

INTRODUCTION:
THE PURPOSE OF THIS SUBMITTAL IS TO PROVIDE A GRADING AND DRAINAGE PLAN FOR THE PAVING OF THE EXTERIOR IMPROVEMENTS OF THE SITE LOCATED AT 8433 WASHINGTON PLACE NE IN SUPPORT OF

THE EXISTING SITE INCLUDES A BUILDING, EXISTING PARKING, LANDSCAPED AREA AND A DIRT LOT NORTH OF THE BUILDING. THIS SUBMITTAL IS SPECIFIC TO IMPROVEMENTS ASSOCIATED WITH PAVING AT THE NORTHERN HALF OF THIS SITE.

A PREVIOUSLY APPROVED BUILDING PERMIT SUBMITTED FOR THE EXISTING BUILDING EXISTS WITHIN THE COA RECORDS (COA HYDRO FILE # C-17/D1U5), DATED JULY 5TH, 1988 AND NOTES THE ULTIMATE OUTFALL FOR THE SITE IS INTO WASHINGTON — PLACE, WITH AN ALLOWABLE DISCHARGE RATE OF 4.6 CFS.

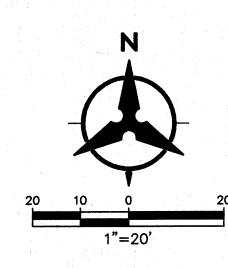
EXISTING CONDITIONS:
THE SOUTHERN HALF OF THE SITE IS CONSISTENT WITH THE APPROVED GRADING AND DRAINAGE AND OUTFALLS TO THE SOUTHWEST CORNER INTO A DETENTION POND CONTROLLED BY A 4" PVC PIPE WHICH DAYLIGHTS WITHIN THE CURB OF

THE SOUTHERN HALF OF THE SITE IS CONSISTENT WITH THE APPROVED GRADING AND DRAINAGE AND OUTFALLS TO THE SOUTHWEST CORNER INTO A DETENTION POND CONTROLLED BY A 4" PVC PIPE WHICH DAYLIGHTS WITHIN THE CURB OF WASHINGTON PLACE. THE NORTHERN HALF (INCLUDING THE ROOF) CURRENTLY DRAINS FROM EAST TO WEST VIA SURFACE FLOW INTO AN EXISTING DRIVE PAD ALONG THE WEST PROPERTY LINE INTO AN EXISTING PRIVATE ALLEY WHICH SERVICES A NUMBER OF ADJACENT PROPERTIES. THIS IS A DEVIATION FROM THE ORIGINAL PLAN SUBMITTED FOR THE BUILDING THAT NOTES THIS ENTIRE SITE WILL OUTFALL TO THE SOUTHWEST CORNER.

PER FEMA MAP NUMBER 35001C0136G, THIS SITE IS NOT WITHIN A DESIGNATED FEMA FLOOD ZONE.

PROPOSED CONDITIONS:
THIS CONSTRUCTION PROPOSES TO PAVE THE AREA NORTH OF THE EXISTING BUILDING, BLOCK OFF THE EXISTING DRIVEWAY BY EXTENDING THE EXISTING RETAINING WALL AT THE WEST END OF THE SITE AND DIVERT DRAINAGE FROM THE NORTH HALF OF THE SITE VIA SURFACE FLOW TOWARD THE SOUTHWESTERN CORNER AS INTENDED IN THE ORIGINAL GRADING AND DRAINAGE PLAN DATED 7/5/1988. THE EXISTING DRAINAGE TO THE SOUTH WILL CONTINUE TO OUTFALL TO THE WEST INTO THE EXISTING DETENTION POND. THE AREA NORTH OF THE BUILDING WILL BE FULLY PAVED WITH THESE IMPROVEMENTS AND THE GRADING WITHIN THIS AREA WILL BE DIVERTED TO THE SOUTHWEST CORNER OF THE FACILITY AS ORIGINALLY DESIGNED IN 1988. THE EXISTING POND HAS ALREADY BEEN DESIGNED TO ACCEPT THE FULLY DEVELOPED FLOWS FOR THIS SITE (5.3 CFS) TO REDUCE TO 3.0 CFS WHICH IS LESS THEN THE ALLOWABLE 4.6 CFS NOTED WITHIN THE DRAINAGE REPORT FOR THE WASHINGTON BUSINESS PARK.

> Should increase slightly from mason plan CONCLUSION:
THIS DRAINAGE MANAGEMENT PLAN AND GRADING PLAN DEMONSTRATE THAT THE DRAINAGE ELEMENTS PROPOSED WITH THE PROJECT ARE CAPABLE OF SAFELY CONVEYING THE 100 YEAR, 6 HOUR STORM EVENT IN ACCORDANCE WITH THE DEVELOPMENT PROCESS MANUAL, THE PREVIOUSLY APPROVED GRADING AND DRAINAGE PLAN FOR THE SITE AND THE WASHINGTON BUSINESS PARK DRAINAGE REPORT. WITH THIS SUBMITTAL WE ARE REQUESTING GRADING AND DRAINAGE APPROVAL FOR GRADING APPROVAL, PAVING APPROVAL AND BUILDING PERMIT APPROVAL.



# **LEGEND**

----- APPROXIMATE PROPERTY LINE ---5301--- Existing contours  $\chi$  5301.15 Existing ground spot elevation TC=TOP OF CURB, FL=FLOW LINE

FGL=FINISHED GRADE LOW, FGH=FINISHED GRADE HIGH, EX=EXISTING, TG=TOP OF GRADE PROPOSED DIRECTION OF FLOW **~~~~** 

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WATER BLOCK

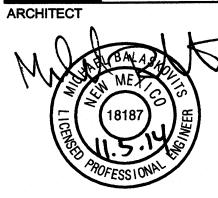
PROPOSED INDEX CONTOURS PROPOSED INTER CONTOURS

Bohannan A Huston

ARCHITECTURE / DESIGN / INSPIRATION

DEKKER PERICH SABATINI

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DRAWN BY **REVIEWED BY** 

DATE PROJECT NO. 14-0051.001

DRAWING NAME DRAINAGE **MANAGEMENT** PLAN

NOV 1 2 2014 LAND DEVELOPMENT SECTION

P: \20150176\CDP\Plans\General\20150176dmp01.dwg Wed, 12-Nov-2014 - 3:42:pm, Plotted by: MBALASKOVITS

ARCHITECTURE / DESIGN / INSPIRATION

DRAWN BY **REVIEWED BY** DATE 11/5/2014

PROJECT NO. 14-0051.001 DRAWING NAME DRAINAGE

**MANAGEMENT** PLAN

SHEET NO.

ENTERS PRIVATE ALLEY EX. BASIN 1 8433 WASHINGTON PLACE NE 15,730 GSF TOTAL 5100 \_ \_ \_ \_ \_ EXISTING POND ∕ TO REMAIN ∕ APPROXIMATE PROPERTY LINE WASHINGTON PLACE NE PVC OUTFALL INTO WASHINGTON PLACE TO REMAIN

**EXISTING CONDITIONS** SCALE 1"=20'

NOTE: DATUM CONVERSION BETWEEN THE 1988 AND THIS PLAN IS APPROXIMATELY 2.6FT

# DRAINAGE MANAGEMENT PLAN

THE PURPOSE OF THIS SUBMITTAL IS TO PROVIDE A GRADING AND DRAINAGE PLAN FOR THE PAVING OF THE EXTERIOR IMPROVEMENTS OF THE SITE LOCATED AT 8433 WASHINGTON PLACE NE IN SUPPORT OF GRADING PERMIT, PAVING PERMIT AND BUILDING PERMIT APPROVAL.

THE EXISTING SITE INCLUDES A BUILDING, EXISTING PARKING, LANDSCAPED AREA AND A DIRT LOT NORTH OF THE BUILDING. THIS SUBMITTAL IS SPECIFIC TO IMPROVEMENTS ASSOCIATED WITH PAVING AT THE NORTHERN HALF OF THIS SITE. A PREVIOUSLY APPROVED BUILDING PERMIT SUBMITTED FOR THE EXISTING BUILDING EXISTS WITHIN THE COA RECORDS (COA HYDRO FILE # C-17/D1U5), DATED JULY 5TH, 1988 AND NOTES THE ULTIMATE OUTFALL FOR THE SITE IS INTO WASHINGTON PLACE, WITH AN ALLOWABLE DISCHARGE RATE OF 4.6 CFS.

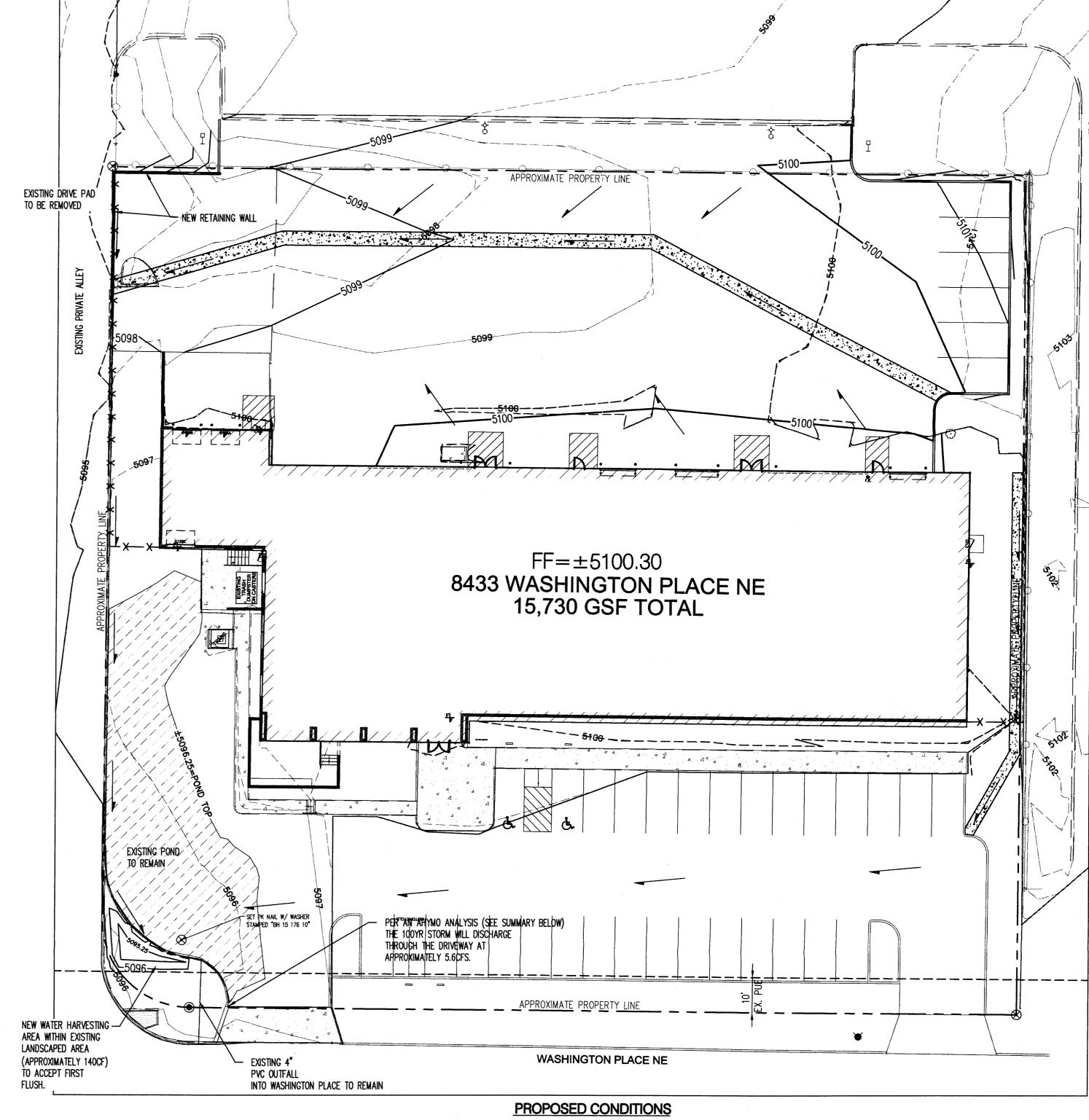
**EXISTING CONDITIONS:** THE SOUTHERN HALF OF THE SITE (EX. BASIN 2) IS CONSISTENT WITH THE APPROVED GRADING AND DRAINAGE AND OUTFALLS TO THE SOUTHWEST CORNER INTO A DETENTION POND CONTROLLED BY A 4" PVC PIPE WHICH DAYLIGHTS WITHIN THE CURB OF WASHINGTON PLACE. THE ORIGINAL PLAN NOTES THAT DURING THE LARGER STORM EVENTS, DRAINAGE WILL EXIT VIA SURFACE FLOW OUT OF THE EXISTING DRIVE WAY. THE NORTHERN HALF, INCLUDING THE ROOF (EX. BASIN 1) CURRENTLY DRAINS FROM EAST TO WEST VIA SURFACE FLOW INTO AN EXISTING DRIVE PAD ALONG THE WEST PROPERTY LINE INTO AN EXISTING PRIVATE ALLEY WHICH SERVICES A NUMBER OF ADJACENT PROPERTIES. THIS IS A DEVIATION FROM THE ORIGINAL PLAN SUBMITTED FOR THE BUILDING THAT NOTES THIS ENTIRE SITE WILL OUTFALL TO THE SOUTHWEST CORNER INTO WASHINGTON PLACE. IT HAS BEEN NOTED THAT THERE HAVE BEEN DRAINAGE ISSUES ASSOCIATED WITH THE ULTIMATE OUTFALL IN THIS AREA.

PER FEMA MAP NUMBER 35001C0136G, THIS SITE IS NOT WITHIN A DESIGNATED FEMA FLOOD ZONE.

THIS CONSTRUCTION PROPOSES TO PAVE THE AREA NORTH OF THE EXISTING BUILDING, BLOCK OFF THE EXISTING DRIVEWAY BY EXTENDING THE EXISTING RETAINING WALL ALONG THE WEST END OF THE SITE, AND DIVERT DRAINAGE FROM THE NORTH HALF OF THE SITE VIA SURFACE FLOW TOWARD THE SOUTHWESTERN CORNER AS INTENDED IN THE ORIGINAL GRADING AND DRAINAGE PLAN DATED 7/5/1988. THE EXISTING DRAINAGE TO THE SOUTH WILL NOT BE TOUCHED AND CONTINUE TO OUTFALL TO THE WEST INTO THE EXISTING DETENTION POND. THE EXISTING POND WAS DESIGNED IN 1988 WITH A VOLUME PROVIDED = 1,300CF; HOWEVER THE SURVEY PROVED THAT THE VOLUME PROVIDED WAS LESS THEN THAT WHICH IS NOTED AS VOLUME ACTUAL = 1,000 WITH A MAXIMUM WATER SURFACE ELEVATIONS OF 5096.25). ADDITIONAL PONDING HAS BEEN PROVIDED WITHIN THE EXISTING LANDSCAPE AREA AND A NEW AHYMO ANALYSIS WAS PERFORMED. THIS ANALYSIS PROVED THAT THE DEVELOPED OUTFALL INTO WASHINGTON PLACE, AFTER THE IMPROVEMENTS WILL BE MADE, WILL BE 5.63CFS (SEE AHYMO SUMMARY). THIS EXCEEDS THE ALLOWABLE 4.6 CFS HOWEVER IN DIVERTING THE DRAINAGE TO THE SOUTH VERSES INTO THE ADJACENT ALLEY WAY, THIS REDUCES THE ADVERSE EFFECTS TO THE DOWNSTREAM PROPERTIES UNDER EXISTING CONDITIONS AND DIRECTS THE DRAINAGE FOR THE SITE TO ITS ULTIMATE CONDITION. THE ADDITIONAL 1.0 CFS IS NEGLIGIBLE WHEN CONSIDERING THE ULTIMATE OUTFALL.

IN ADDITION, THE PONDING PROVIDED IN THE EXISTING LANDSCAPE AREA IS APPROXIMATELY 140CF AND WILL ALLOW THE TREATMENT OF THE FIRST FLUSH. THE AREA ALLOTTED FOR THIS PONDING IS MINIMAL DUE TO AN EXISTING 10' PUE ALONG THE SOUTHERN PROPERTY LINE AND THE GRADING AN DRAINAGE HAS WORKED TO MAXIMIZE THIS POND VOLUME. DRAINAGE WILL ENTER THIS LANDSCAPE AREA VIA CURB CUTS. THE EXITING 4" PIPE WILL SERVE TO DRAIN SMALLER STORM EVENTS DIRECTLY TO WASHINGTON PLACE WHERE AS DURING THE 100 YR STORM DRAINAGE WILL EXITING THE SITE VIA THE EXISTING DRIVE PAD AS ORIGINALLY PROPOSED WITHIN THE PLAN DATED 1988.

CONCLUSION:
THIS DRAINAGE MANAGEMENT PLAN AND GRADING PLAN DEMONSTRATE THAT THE DRAINAGE ELEMENTS PROPOSED WITH THE PROJECT ARE CAPABLE OF SAFELY CONVEYING THE 100 YEAR, 6 HOUR STORM EVENT IN ACCORDANCE WITH THE DEVELOPMENT PROCESS MANUAL. WITH THIS SUBMITTAL WE ARE REQUESTING GRADING AND DRAINAGE APPROVAL FOR PAVING APPROVAL AND BUILDING PERMIT APPROVAL.



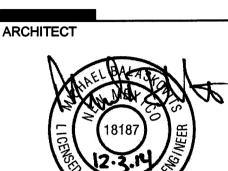
SCALE 1"=20"

				YEA	ROUT	EXPANS	SION				
			Dra	inage C	onditio	ns Basin	Data Ta	able	-		
This table is	based on the	DPM Se	ction 22.2,	Zone:	2		•				
Basin	Area	Area	Land Treatment Percentages			Q(100yr)	Q(100yr-6hr)	WTE	V(100yr-6hr)	V(100yr-10day)	
ID	(SQ. FT)	(AC.)	Α	В	С	D	(cfs/ac.)	(CFS)	(inches)	(CF)	CF
EXISTI	NG										
EX. BASIN 1	36629	0.84	0.0%	50.0%	0.0%	50.0%	3.49	2.93	1.45	4426	6868
EX. BASIN 2	25636	0.59	34.0%	0.0%	0.0%	66.0%	3.63	2.14	1.58	3374	5630
PROPOS	SED										
ENTIRE SITE	62265	1.43	0.0%	7.5%	7.5%	85.0%	4.40	6.29	1.95	10093	17150

	UMMARY TABLE (A P:\20150176\CDP\		MO\100YR2.HYM	– Ver.	S4.01a, Rel:		n date (m USER NO.=			
COMMAND	HYDROGRAPH IDENTIFICATION	FROM TO ID ID NO. NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES) (H				: = 1 N
*S 100 YEAR *S	E FOR YEAROUT M - 6 HOUR STORM				# 20150176					
*S OUTPUT FII START	P:\20150176\ E P:\2015017								TIME=	0.00
LOCATION		ALBUQUE	RQUE							
RAINFALL TYP	E= 1	*****	*******					RAIN6=	2.350	
*2*******	************									
*S										
*S************************************										
*S************************************		CONDITIONS	 S							
*S************************************	Basin Developed	CONDITIONS	 S							
*S************************************	BASIN DEVELOPED	CONDITIONS								
*S****************** *S* *S* COMPUTE *S *S *S PROPOSED 6	BASIN DEVELOPED	CONDITIONS	 } 				1 500	4 645	PFR IMP=	90.00
*S************************************	BASIN DEVELOPED	CONDITIONS	0.00223	6.64	0.238	2.00214	1.500	4.645	PER IMP=	90.00

**LEGEND**  $\chi^{5301.15}$  Existing ground spot elevation PROPOSED SPOT ELEVATION TC=TOP OF CURB, FL=FLOW LINE FGL=FINISHED GRADE LOW, FGH=FINISHED GRADE HIGH, EX=EXISTING, TG=TOP OF GRADE S=2.0% WATER BLOCK PROPOSED RETAINING WALL PROPOSED INTER CONTOURS

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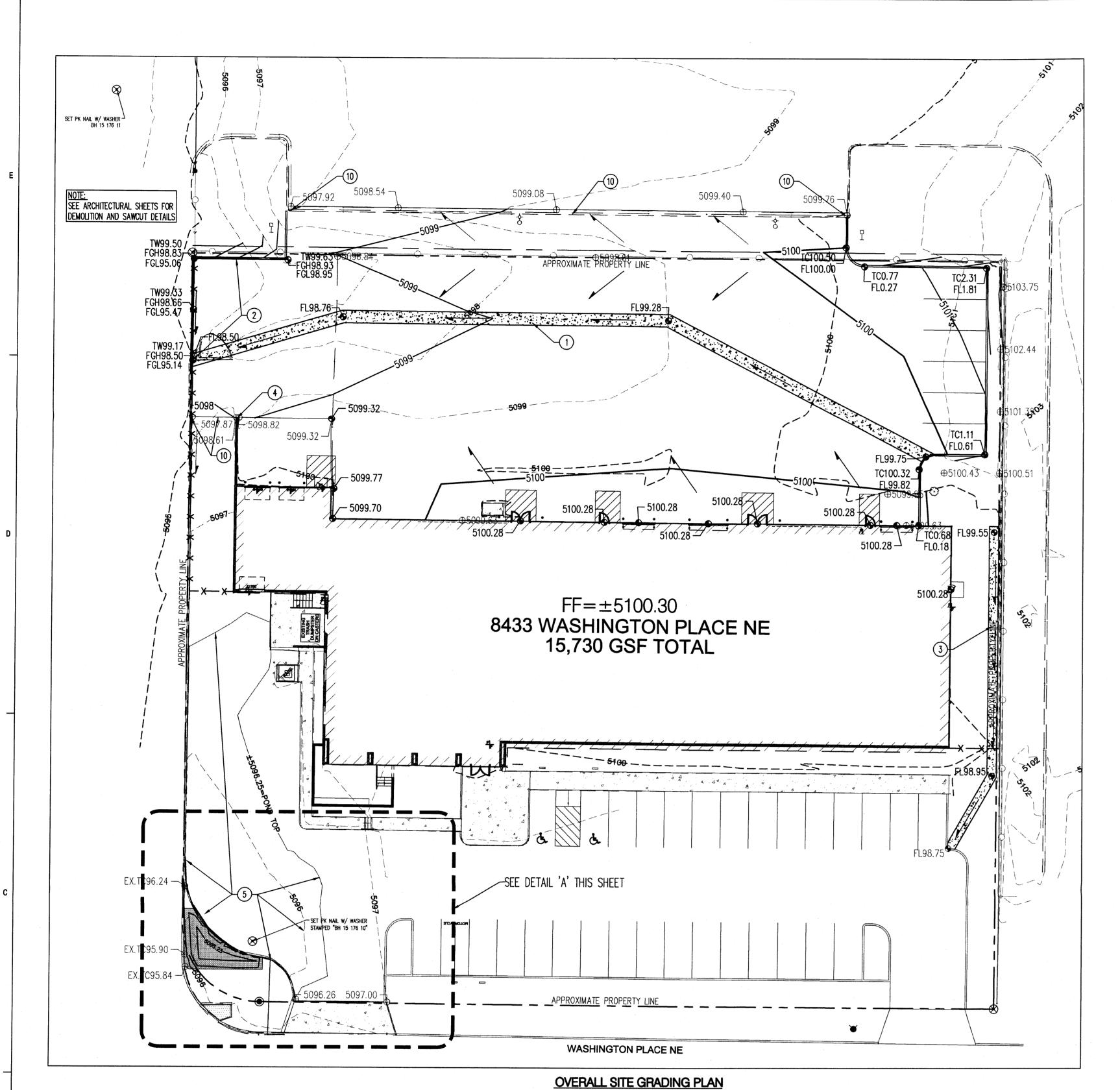


ENGINEER

DRAWN BY **REVIEWED BY** 

11/5/2014 PROJECT NO. 14-0051.001 DRAWING NAME

**GRADING AND** DRAINAGE PLAN



SCALE 1"-20'

DRCYCLE

○ KEYED NOTES

THIS SHEET.

1. INSTALL NEW 4' WIDE VALLEY GUTTER PER DETAIL 1

STRUCTURAL FOR DETAILS

3. INSTALL NEW 2' WIDE VALLEY GUTTER PER DETAIL 1

DRAINAGE INTO WASHINGTON PLACE.

HARVESTING AREA PER DETAIL 3, THIS SHEET.

10. MATCH EXISTING GRADE, CONTRACTOR SHALL VERIFY EXISTING GRADE AND CONTACT ENGINEER WITH ANY DISCREPANCIES.

**GENERAL NOTES** 

of existing utilities.

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4. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT LINE LOCATING SERVICE FOR LOCATION

5. ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND OTHER UTILITY LINES, CABLES, AND APPURTENANCES ENCOUNTERED DURING

RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED

CONSTRUCTION OF THESE IMPROVEMENTS. INCLUDING EPA REQUIREMENTS WITH RESPECT TO STORM WATER DISCHARGE.

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RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.

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BARRICADING, TOPSOIL DISTURBANCE, EXCAVATION PERMITS, EPA STORM WATER PERMITS, ETC.).

TRAFFIC CONTROL DEVICES" (MUTCD), US DEPARTMENT OF TRANSPORTATION, LATEST EDITION.

VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE END AND BEGINNING OF EACH DAY.

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NPDES PHASE 2 REQUIREMENTS.

**GRADING NOTES** 

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SHOWN ON THIS PLAN.

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EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.

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14. THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO CONFORM WITH EPA REQUIREMENTS, INCLUDING COMPLIANCE WITH

1. EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS

2. THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT

3. ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION, AND PAVEMENT INSTALLATION, AS SHOWN ON THIS PLAN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "GEOTECHNICAL INVESTIGATION". ALL OTHER WORK SHALL, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT. (FIRST PRIORITY) SPECIFICATIONS, AND/OR THE CITY OF ALBUQUERQUE (COA) STANDARD SPECIFICATIONS FOR PUBLIC WORKS (SECOND PRIORITY).

5. IT IS THE INTENT OF THESE PLANS THAT THIS CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE PROPERTY

7. A DISPOSAL SITE FOR ANY & ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL AND/OR A BORROW SITE CONTAINING ACCEPTABLE FILL MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE

ENVIRONMENTAL REGULATIONS AND APPROVED BY THE OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL OR BORROW

SITE AND HAUL TO OR FROM SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT

8. PAVING AND ROADWAY GRADES SHALL BE +/- 0.1' FROM PLAN ELEVATIONS. PAD ELEVATION SHALL BE +/- 0.05' FROM

9. ALL PROPOSED CONTOURS REFLECT TOP OF PAVEMENT ELEVATIONS IN THE PARKING AREA AND MUST BE ADJUSTED FOR

10. VERIFY ALL ELEVATIONS SHOWN ON PLAN FROM BASIS OF ELEVATION CONTROL STATION PRIOR TO BEGINNING CONSTRUCTION.

6. THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC

3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS INCLUDING ALL UNDERGROUND UTILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION OBSERVER OR ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

2. EXTEND EXISTING RETAINING WALL. SEE

THIS SHEET.

4. WARP NEW PAVEMENT AROUND EXISTING RETAINING

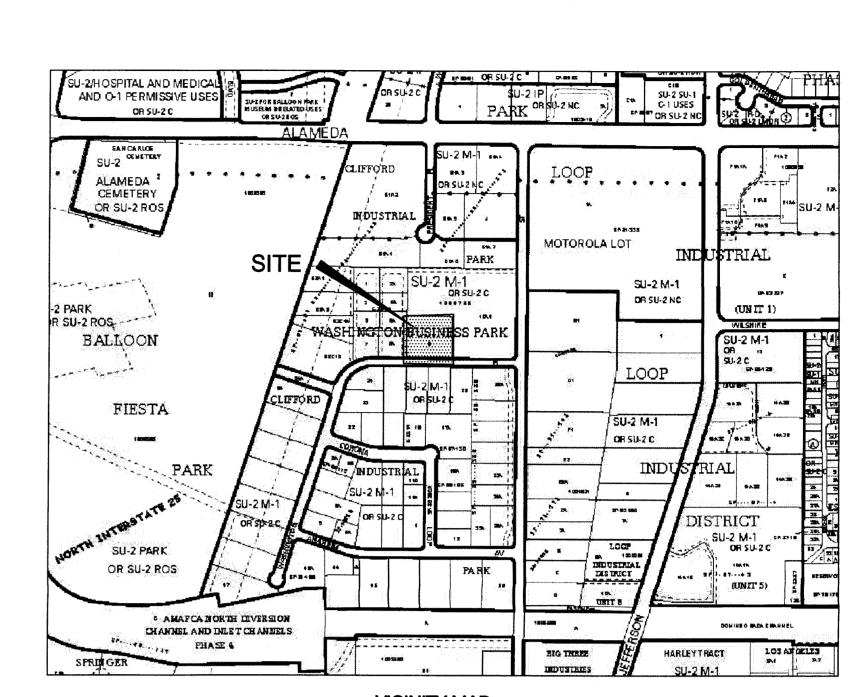
5. EXISTING PONDING AREA AND OUTFALL DESIGNED FOR DEVELOPED CONDITIONS OF ENTIRE SITE UNDER ORIGINAL GRADING AND DRAINAGE PLAN DATED 07/05/88. EXISTING OUTFALL SHALL BE CLEARED OF ALL DEBRIS TO ALLOW FOR CLEAR PASSAGE OF

6. CUT 2' WIDE CURB OPENINGS PER DETAIL 2 THIS

7. LIMITS OF NEW WATER HARVESTING AREA. REMOVE EXISTING LANDSCAPING AS NECESSARY. ENSURE SURROUNDING GRADES TO THE WEST AND SOUTH WITHIN THE GRADING LIMITS ARE SET TO 5096.25.

8. EXISTING DRAINAGE PIPE SHALL REMAIN IN PLACE UNDISTURBED.

9. PROVIDE RIP RAP BLANKET WITHIN LIMITS OF WATER



VICINITY MAP COA ZONE MAP C-17

#### **BENCHMARK**

1. ONSITE SET CONTROL STATION DATA MONUMENT "BH 15-176-10" (PK NAIL W/WASHER) NEW MEXICO STATE PLAN COORDINATES CENTRAL ZONE (NAD 83) N=1,521,886.686 E=1,537,114.655 ELEVATION= 5,095.695 (NAVD88) 2. ONSITE SET CONTROL STATION DATA MONUMENT "BH 15-176-11" (PK NAIL W/WASHER) NEW MEXICO STATE PLAN COORDINATES CENTRAL ZONE (NAD 83) N=1,522,159.553 E=1,537,069.223

ELEVATION= 5,093.772 (NAVD88)

# **LEGEND**

APPROXIMATE PROPERTY LINE
EXISTING CONTOURS
EXISTING GROUND SPOT ELEVATION
PROPOSED SPOT ELEVATION  TC=TOP OF CURB, FL=FLOW LINE  FGL=FINISHED GRADE LOW, FGH=FINISHED  GRADE HIGH, EX=EXISTING, TG=TOP OF GRADE  PB=POND BOTTOM, PT=POND TOP,  EX.FL=EXISTING FLOWLINE, EX.TC=EXISTING TO  OF CURB, TW=TOP OF WALL
PROPOSED DIRECTION OF FLOW
WATER BLOCK
PROPOSED RETAINING WALL
PROPOSED INDEX CONTOURS

EXISTING CURB WITH CURB OPENINGS AS NOTED ON PLANS. COMPACT SUBGRADE TO A " TYPE "L" ANGULAR RIP RAP PLACED OVER NON-WOVEN FILTER MINIMUM OF 95% MAXIMUM DENSITY

PROPOSED INTER CONTOURS

WATER HARVESTING AREA LIMITS OF GRADING

3 RIP RAP BLANKET

NOTE: CONCRETE FOR ALL VALLEY GUTTERS WILL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI IN 24 HOURS. SEE PLANS FOR WIDTH 4 4 4 4 PROVIDE 6X6 X NO. 6 GA. WIRE COMPACT SUBGRADE TO A MINIMUM MESH FOR VALLEY GUTTER IN OF 95% MAXIMUM DENSITY

\ CONCRETE VALLEY GUTTER

24" CURB OPENING-

2 TYPICAL CURB CUT

P:\20150176\CDP\Plans\General\20150176gp01.dwg Wed, 3-Dec-2014 - 1:46:pm, Plotted by: MBALASKOVITS

EX.TC96.24 —

PB96.25

PT96.25-

PB95.25-

EX.TC95.90 —

PT96.25-

EX.TC95.84 -

/--EX.FL95.94(6)

EX.FL95.85 (6)

EX.FL95.79 6

EX.FL95.74 6

EX.FL95.66 (6)

DETAIL 'A' SCALE 1"-10'

Bohannan A Huston

C-100

# OVERALL SITE GRADING PLAN SCALE 1"-20"

RCYCLE

WASHINGTON PLACE NE

----

# ○ KEYED NOTES

THIS SHEET.

- 1. INSTALL NEW 4' WIDE VALLEY GUTTER PER DETAIL 1 THIS SHEET.
- 2. EXTEND EXISTING RETAINING WALL. SEE STRUCTURAL FOR DETAILS
- 3. INSTALL NEW 2' WIDE VALLEY GUTTER PER DETAIL 1
- 4. WARP NEW PAVEMENT AROUND EXISTING RETAINING
- 5. EXISTING PONDING AREA AND OUTFALL DESIGNED FOR DEVELOPED CONDITIONS OF ENTIRE SITE UNDER ORIGINAL GRADING AND DRAINAGE PLAN DATED 07/05/88. EXISTING OUTFALL SHALL BE CLEARED OF ALL DEBRIS TO ALLOW FOR CLEAR PASSAGE OF
- 6. CUT 2' WIDE CURB OPENINGS PER DETAIL 2 THIS SHEET.

DRAINAGE INTO WASHINGTON PLACE.

- 7. LIMITS OF NEW WATER HARVESTING AREA. REMOVE EXISTING LANDSCAPING AS NECESSARY. ENSURE SURROUNDING GRADES TO THE WEST AND SOUTH, WITHIN THE GRADING LIMITS ARE SET TO 5096.25.
- 8. EXISTING DRAINAGE PIPE SHALL REMAIN IN PLACE LINDISTURBED
- 9. PROVIDE RIP RAP BLANKET WITHIN LIMITS OF WATER HARVESTING AREA PER DETAIL 3, THIS SHEET.
- 10. MATCH EXISTING GRADE, CONTRACTOR SHALL VERIFY EXISTING GRADE AND CONTACT ENGINEER WITH ANY DISCREPANCIES.

# **GENERAL NOTES**

- 1. ALL WORK DETAILED ON THESE PLANS AND PERFORMED UNDER THIS CONTRACT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND THE PROJECT GEOTECHNICAL REPORT. WHERE APPLICABLE, CITY OF ALBUQUERQUE PUBLIC WARRYS STANDARDS SHALL APPLY
- 2. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS, INCLUDING EPA REQUIREMENTS WITH RESPECT TO STORM WATER DISCHARGE.
- 3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS INCLUDING ALL UNDERGROUND UTILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION OBSERVER OR ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- 4. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT LINE LOCATING SERVICE FOR LOCATION OF EXISTING UTILITIES.
- 5. ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND OTHER UTILITY LINES, CABLES, AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.
- 6. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.
- 7. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.

  8. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT—OF—WAY.
- 9. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (I.E., BARRICADING, TOPSOIL DISTURBANCE, EXCAVATION PERMITS, EPA STORM WATER PERMITS, ETC.).
- 10. ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ALL PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.
- 11. THE CONTRACTOR SHALL PREPARE A CONSTRUCTION TRAFFIC CONTROL AND SIGNING PLAN AND OBTAIN APPROVAL OF SUCH PLAN FROM THE CITY OF ALBUQUERQUE, TRAFFIC ENGINEERING DEPARTMENT, PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON OR ADJACENT TO EXISTING STREETS.
- 12. ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), US DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
- 13. THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE END AND BEGINNING OF EACH DAY.
- 14. THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO CONFORM WITH EPA REQUIREMENTS, INCLUDING COMPLIANCE WITH NPDES PHASE 2 REQUIREMENTS.

# GRADING NOTES

RIGHT-OF-WAY.

BUILDING PLAN ELEVATION.

- 1. EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.
- 2. THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST.
- 3. ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION, AND PAVEMENT INSTALLATION, AS SHOWN ON THIS PLAN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "GEOTECHNICAL INVESTIGATION". ALL OTHER WORK SHALL, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT, (FIRST PRIORITY) SPECIFICATIONS, AND/OR THE CITY OF ALBUQUERQUE (COA) STANDARD SPECIFICATIONS FOR PUBLIC WORKS (SECOND PRIORITY).
- 4. EARTH SLOPES SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE.
   5. IT IS THE INTENT OF THESE PLANS THAT THIS CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE PROPERTY
- BOUNDARIES EXCEPT AS REQUIRED BY THIS PLAN.

  6. THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC
- 7. A DISPOSAL SITE FOR ANY & ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL AND/OR A BORROW SITE CONTAINING ACCEPTABLE FILL MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL OR BORROW SITE AND HAUL TO OR FROM SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT
- SHALL BE MADE.

  8. PAVING AND ROADWAY GRADES SHALL BE +/- 0.1' FROM PLAN ELEVATIONS. PAD ELEVATION SHALL BE +/- 0.05' FROM
- 9. ALL PROPOSED CONTOURS REFLECT TOP OF PAVEMENT ELEVATIONS IN THE PARKING AREA AND MUST BE ADJUSTED FOR MEDIANS AND ISLANDS.
- 10. VERIFY ALL ELEVATIONS SHOWN ON PLAN FROM BASIS OF ELEVATION CONTROL STATION PRIOR TO BEGINNING CONSTRUCTION.

NOTE: CONCRETE FOR ALL VALLEY GUTTERS WILL HAVE A

SEE PLANS FOR WIDTH

MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI IN 24 HOURS.

OF 95% MAXIMUM DENSITY

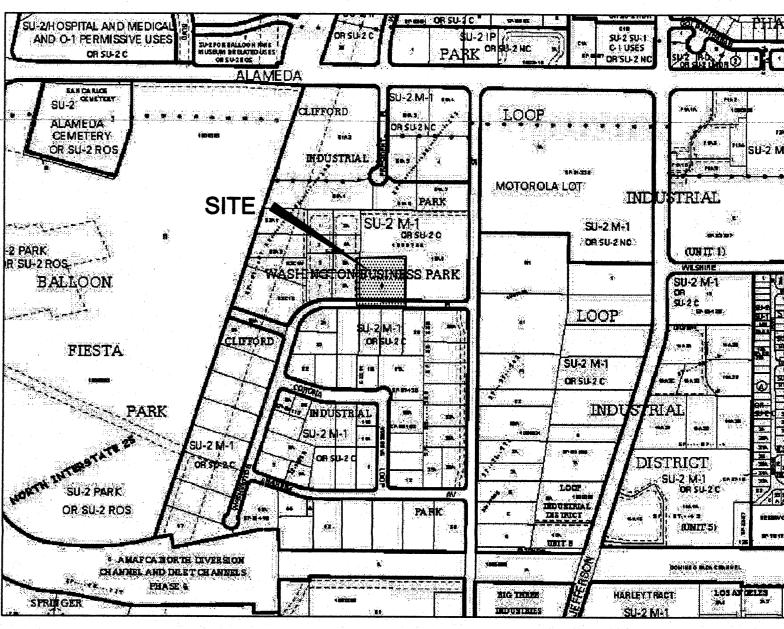
CONCRETE VALLEY GUTTER

2 TYPICAL CURB CUT

24" CURB OPENING-

PROVIDE 6X6 X NO. 6 GA. WIRE

COMPACT SUBGRADE TO A MINIMUM MESH FOR VALLEY GUTTER IN



# VICINITY M

#### **BENCHMARK**

- 1. ONSITE SET CONTROL STATION DATA

  MONUMENT "BH 15-176-10" (PK NAIL W/WASHER)

  NEW MEXICO STATE PLAN COORDINATES

  CENTRAL ZONE (NAD 83)

  N=1,521,886.686 E=1,537,114.655

  ELEVATION= 5,095.695 (NAVD88)
- 2. ONSITE SET CONTROL STATION DATA

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  NEW MEXICO STATE PLAN COORDINATES

  CENTRAL ZONE (NAD 83)

  N=1,522,159.553 E=1,537,069.223

ELEVATION= 5,093.772 (NAVD88)

### **LEGEND**

- APPROXIMATE PROPERTY LINE

  ----5301--- EXISTING CONTOURS

  X 5301.15 EXISTING GROUND SPOT ELEVATION

  BROPOSED SPOT ELEVATION
  - PROPOSED SPOT ELEVATION

    TC=TOP OF CURB, FL=FLOW LINE

    FGL=FINISHED GRADE LOW, FGH=FINISHED

    GRADE HIGH, EX=EXISTING, TG=TOP OF GRADE,

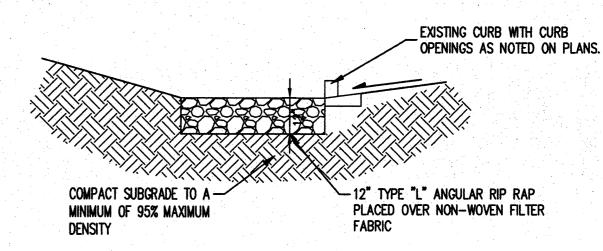
    PB=POND BOTTOM, PT=POND TOP,

    EX.FL=FXISTING FLOW INF. FX TC=FXISTING TOP
- EX.FL=EXISTING FLOWLINE, EX.TC=EXISTING TOP
  OF CURB, TW=TOP OF WALL

  PROPOSED DIRECTION OF FLOW

  WATER BLOCK
- PROPOSED INDEX CONTOURS

  PROPOSED INDEX CONTOURS
- WATER HARVESTING AREA LIMITS OF GRADING

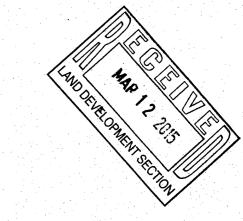


3 RIP RAP BLANKET

# DRAINAGE CERTIFICATION

I, MICHAEL J. BALASKOVITS, NMPE 18187, OF THE FIRM BOHANNAN HUSTON INC., HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 12-3-14. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY THOMAS D. JOHNSTON, NMPS 14269, OF THE FIRM WAYJOHN SURVEYING. I FURTHER CERTIFY THAT A VISIT TO THE PROJECT SITE WAS CONDUCTED ON 3-12-2015 AND IT WAS DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR TEMPORARY/FINAL CERTIFICATE OF OCCUPANCY.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.



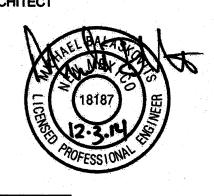


Bohannan A Huston

DEKKER
PERICH
SABATINI

ARCHITECTURE / DESIGN / INSPIRATION

7601 JEFFERSON NE, SUITE 100 ALBUQUERQUE, NM 87109
505.761.9700 / DPSDESIGN.ORG



ISSUED FOR

PPO IECT

/EAROUT MECHANICAL 8433 Washington Place NE

DRAWN BY
REVIEWED BY
DATE 11/5/2014

PROJECT NO. 14-0051.001

DRAWING NAME

GRADING AND
DRAINAGE

GRADING AND DRAINAGE PLAN

SHEET NO.

P:\20150176\CDP\Plans\General\20150176gp01.dwg
Thu, 12-Mar-2015 - 10:15:am, Plotted by: MBALASKOVITS

EX. C95.84 -

EX.TC96.24 —

⊏EX.FL95.85 **6** 

EX.FL95.74 6

DETAIL 'A'
SCALE 1"-10'

5096.26 5097.00