

	B DRAIN PIPE	1 20	LF
	12"X12" CATCH BASINS	3	EA
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7 ~			
-1			
4			
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- н	HLLSIDE APPROVAL		
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-1			
4			
4	HILLSIDE APPROVAL CITY (OF PHOENIX	DATE
J			
	- MOTE		

RETABLING WALLS TO ADHERE TO COP PLANDING AND DEVELOPMENT DEPARTMENT DSAP 22255 STIPLILATIONS DATED JANUARY 28, 2023.

1. TOTAL ALLOWABLE RETAINING WALL HEIGHT, (MEASURED FROM TOP OF FOOTING TO TOP OF RETAINING) TO BE NO MORE THAN 16 FEET AS

LINEAR I	POOTAGE	RETAINING	MALL
5 WALL	34	CF.	
4' WALL	34	UF	
5 WALL:	29	UF .	
6' WALL:	57	ÜF	
7 WALL	43	ŪF.	
B' WALL	. 6	UF .	
9' WALL	49	LF.	
10' WALL	: 47	ĹF	
IT' WALL			
2.2 MALI	: 124	i.e	
13 WALE		ŪF.	
16" WALL		Ŭ	

ENGINEER'S CERTIFICATIONS THE LOWEST FLOOR ELEVATION(S) AND/OR FLOOD PROCEING ELEVATION(S) ON THIS PLUM, ARE SUFFICIENTLY WORD TO PROVEE PROTECTION FROM FLOODING CAUSED BY A ORGE-HUNDROST VEAR STURM, AND ARE IN ACCORDANCE WITH THE CITY OF PHORNOX

CALISTO BY A GRE-MANDERS YEAR STORM, MO ARE IN ACCORDANGED AND ADMINISTRATION OF THE STORY AND AREA OF THE STO

040051

FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

COMMENTY MANDER PANEL MANDER SUFFIX DATE OF FRES FIND ZONE (N. NO ZONE, USE DEPTH)

10/16/13 L 10/16/13

RECE NOTE:

All Disturbed Areas not covered by structures or powday must be reregatical of the post question to provide the post question of the post questi



SOOM ON THE SUBJECTED THE LEGIST/CREATION AND DISJUNCE FURTH. THE PROPERTY OF THE PROPERTY OF

MORSTAD RESIDENCE

GRADING AND DRAINAGE PLAN WITH HILLSIDE FOR NEW RESIDENCE @ 5023 EAST RED ROCK DRIVE

LOT 39 RED ROCK NORTH, LOCATED IN THE SOUTHWEST 1/4 OF SECTION 17, T2N, R4E OF THE GILA & SALT RIVER BASE & MERIDIAN

I HEREBY CERTIFY THAT THE "RECORD DRAWING" MEASUREMENTS AS SHOWN HEREON WERE MADE LINDER MY SUPERVISION OR AS NOTED AND ARE CORRECT OF THE BEST OF MY KNOWLEDGE AND BELIEF.

RECISCIERED CIVIL ENGINEER /LAND SURVEYOR

REGISTRATION NUMBER

GRADING AND GRADIAGE NOTES

1. A GRADING PERMIT IS REQUIRED LINDER CHAPTER 32A OF THE PHOENIX CITY CODE.

2. WHEN HAUL PERMITS ARE REQUIRED, THEY MUST BE OBTAINED PRIOR TO OR CONCURRENTLY WITH THE GRADING AND DRAMAGE PERMIT.

3. DICAVATING CONTRACTOR MAIST GIVE LOCATION FOR WASTING EXCESS EXCAVATION AND A LETTER FROM OWNER GIVEN PERMISSION FOR DIAPPING PRORT TO STARTING ON-STEE CONSTRUCTION. FE EXCESS EXCAVATION DICTEDS 100 CURRC YARDS, THE DISPOSAL SITE WILL ALSO REQUIRE A CRADWIG AND REMIANCE PERMI

4. PLANISHG & DEVELOPMENT DEPARTMENT FIELD INSPECTION GROUP SHALL BE NOTIFIED 48 HOURS BEFORE ANY ONSITE AND/OR OFF-SITE CONSTRUCTION BEGINS, TELEPHONE (602) 262-7811.

S. STANING FINISH FLOOR ELEVATIONS IS THE RESPONSEBILITY OF THE OTHER AND HIS DROMER. THE OTHER'S ENCAGER SHALL SUBJECT THREE SCALED CORES OF THIS CRADING AND DRAWNED FLAND DESIGNATED AS TECORD DRAWNE' (BEARING AN ORIGINAL SIGNATURE) PRIOR TO THE REQUEST FOR PINAL INSPECTION.

A TERMA BETOEN TANAGUEST AGENCY (TEAN) TEACHER ATTRIBUTE OF CONCENTRAL OF EACH TENENCY WERE CONCENTRAL OF A SPECIAL FLOOD HAZARD AREA (STHA) PROPE TO AN ELECTRICAL CLARINACE FOR HAIS STRUCTURE ON CORE OF THE ELECTRICAL CLARINACE FOR THE STRUCTURE OF CORE OF THE ELECTRICAL OF THE STRUCTURE OF THE CONCENTRAL DOCUMENT S TO BE SEMBLING TO THE OFFICE THE OFFICE THE OFFICE THE MANAGET.

7. A SEPARATE PERMIT IS NECESSARY FOR ANY OFFSITE CONSTRUCTION.

8. AN APPROVED GRADING AND DRAINAGE PLAN SHALL BE ON THE JOB SITE AT ALL TRACES, DEVIATIONS FROM THE PLAN MUST BE PRECEDED BY AN APPROVED PLAN REVISION.

GRADING AND DRAINAGE PLAN APPROVAL INCLIDES THE CONSTRUCTION OF ALL SURFACE CURRON/ELENTS SHOWN ON THE APPROVED PLAN. NECLIDING, BUT NOT LIBERED ON RETINITION MEANS. SEDIMENTATION BASINS. AND/OR OTHER DRAINAGE FACILITIES, DRAINAGE PATTERNS, WALLS, CURBS, ASPHALT PARESUM, AND BUILDING FLOOR LEVATION.

IG. GRADES SHOWN OF RETENTION BASINS ARE DESIGN PRISED GRADES. SHOULD THE CONTRACTOR OF ANY SECONTRACTOR PLAN TO PLACE SPOR. CENTER OF A SHOULD SHOUL

11. CHERACTOR IS RESIDERALE FOR LICCHING AND CONFIDENCE DEPONS

LANGUAGE REPORT OF THE THING PROCESS PRETIDENCE DEPONS

AREAS, IT HE BASIN CANNOT BE CHISTRUCTED FOR FAM RECLAIGE OF

CONFLICTS, HE CONFRACTOR SHALD DISCUSS MODIFICATION OF BASIN

CONFLICTATION WITH THE CITY INSPECTOR TO DETERMINE F A PLAN

REMSON OR A FELL CHARGE IS REQUIRED.

12. ALL DRAWAGE PROTECTIVE DEVICES SUCH AS SWALES, WIERCEPTOR OTTORES, PRIFES, PROTECTIVE BERMS, BARRER WALLS, CONCRETE CHANGELS OR OTHER MEASURES DESIGNED TO PROTECT ADJACKENT BUILDIANGS OR PROPERTY FROM STORM RUNOFF WIST BE COMPLETED PRIOR TO BUILDING CONSTRUCTION.

LI PER SECONO ERIZ OF THE STORM WATER POLICES AND STANDARDS, SEE SUPES OF STORM WATER STORMER FAMILIES SHALL BE NO STEPPER HAIL SEE TO REPORTED GRASS FAMEL AND SEE THE MEMOSURE AREA. SUCH SEES AND SEE THE MEMOSURE AREA. SUCH SEES AND SEE

ADDITIONAL NOTES FOR HILLSIDE:

ACCITICAL NOTES FOR HELSEN:

IL ESPOSE CONDENSE HA PRESS CONTINUING MATIVE DESERT VECETATION, THE CONTRACTOR HIST COSTAIN A PERMIT FIGUL MEDICAL DEPARTMENT OF THE PROBLEMENT OF MEDICAL DEPARTMENT OF THE PROBLEMENT OF PROBLEMENT OF THE GOOD PRESSURE, HIS DISTRIBUNCE OF PRESSURE PROPERTY FOR ACCESS, GRADING, OR OTHER CONSTRUCTION PROMOCOS WILL BE ALLIGHED. THE CONTRACTOR IS REQUIRED TO THE CONTRACTOR OF THE PROPERTY FOR ACCESS, GRADING, OR OTHER TIME A STATE OF THE PROPERTY O

AR ZONAGU Carl BO1 or other Artemas 11.

TOWN DECEMBRION LOT 39 RED ROCK NORTH AS RECORDED IN BOOK 75 OF MAPS, PAGE 12,

CRADING AND DRAMAGE PLAN NOTES (CITY OF PHOENDY/CONT.)

13. ALL RETAINING WALLS ARE TO BE REVIEWED AND PERSONNEL PLAN REVIEW AND DESCRIPTION BRANCH OF THE PLANGMEN BACKGOOMER WITH SECTION 13.00 FTB. 2014 GROUND AS SECTION SCHOOL OF SECTION SECTION SCHOOL OF SECTION SECTION SCHOOL OF SECTION SECTION SCHOOL SECTION SECTION SCHOOL SECTION SECTION SCHOOL SECTION SECTI

14. ALL RAMPS MUST WEET 2010 ADA STANDARDS FOR ACCISSIBLE DESIGN AND CITY OF PHOEIXX SUPPLEMENT TO M.A.G. UNSTORM STANDARD SPECIFICATIONS AND DETAILS: 2% MAX CROSS SLOPES AND 12:1 MAX LONGTUDINAL SLOPES.

15. CERTIFICATE OF OCCUPANCY (C OF 0) AND/OR FINAL ELECTRICAL CLEARANCE FOR ANY BULLDING IS DENGED UNTIL ALL GRADING AND DRIVING MIPROVENION'S ARE COMPLETED.

16. EXISTING OR NEWLY DAMAGED AND/OR DISPLACED CONCRETE CURB, GUTTER, SUERMAIK, OR DERWEMY SAUB THAT IS WITHIN THE RICHT-OF-WAY SHALL BE REPAIRED OR REPLACED, AS NOTED BY CITY RISPECTORS, GEFORE FINAL ACCEPTANCE OF THE WORK.

TO THE DEMONSTRATE DESIGN ON THESE PLANS IS ONLY APPROVED BY THE PLANS IS ONLY APPROVED BY THE PLANS IS ONLY APPROVED BY THE OTY, APPROVED BY THE OTY, APPROVED BY THE OTY, APPROVED BY THE OTY APPROVED BY THE OTY FINE PLANS INC. FOR FIRST IN THE OTY FINE PLANS IN FORCE OF THE OTHER PLANS IN THE OTHER DEMONSTRATE OTHER OTHER DEMONSTRATE OTHER DESIGN INSIDE.

18. THE CITY OF PHOBOV POLICE DEPARTMENT DIFFORCES LAWS REGULATION OF COMBERGIAL VIDEOUS. THIS MICLIOES PROFESSIONAL PROPERTY AND THE PHOPOLICIANTY OF DEPARTMENT OF CONTRY AND LOCAL LAWS AND COMMUNESS. CUCSTOMS REGULATION COMBERCIAL VIDEOUS LAWS AND THE CORRECTION TO THE COMBERCIAL WIRELE DIFFORMEDIENT SUPERVISION AT (COL) 1855-7815 (TRAFFIC BURGLAU SOUTH) OR (COL) 485-47814 (TRAFFIC BURGLAU SOUTH) OR (COL)

19. NA APPROVAL IS VILLD FOR 32 MOTTES, FROM TO PLAY APPROVAL
THE PROPERTY OF THE PROPERTY SHALL BE REMOVED ON THE
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PLAYS SHALL BE RESIDENTED FOR EXTENSION OF PLAY APPROVAL. THE
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CRADING AND DRAMAGE PLAN DEESTE IMPROVEMENT NOTES

Construction within the right-to--ray shall conform to the lottest applicable Markeop Association of Covernments (MAC) of Phoseha Supplement to the MAC Uniform Stondard State Of Specifications and Details.

Comprection shell comply with MAC. Section 601.

3. Obstructions to proposed improvements in the right-to--way shell considered to the control of the

3. Obsfructions to proposed improvements in the right-of-way head for removed or relocated before beginning construction of the proposed improvements.

The proposed improvement metalling and/or termination shad be determined in the field by the City of Phoenix, Planning & Development Department field impactor.

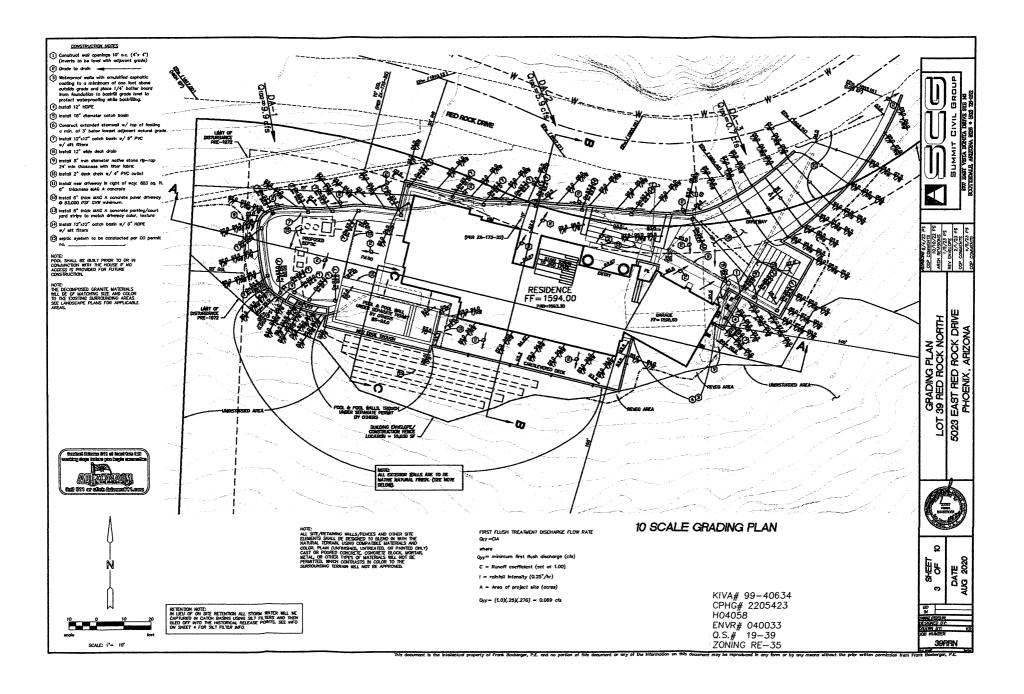
3. Powerher replacement thickness and type are to be performed to the proposed proposed propos

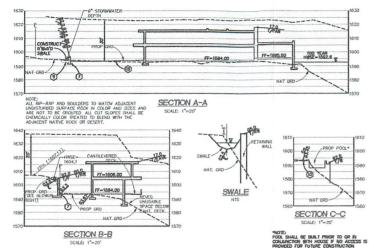
COVER SHEET 20 SCALE TOPOGRAPHIC SURVEY 10 SCALE GRADING PLAN STE SECTIONS RETAILENG WALL DETAILS SHEET 1 SHEET 2 SHEET 3 SHEET 4 SHEET 5

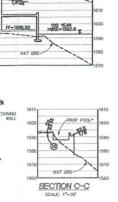
KIVA# 99-40634 CPHG# 2205423 H04058 ENVR# 040033 Q.S.# 19-39 ZONING RE-35

SUMMIT CIVIL GROUP FOT BAST VERY BOXEN SEES 9 (660 Tr. 5727 GRADING PLAN T 39 RED ROCK NORTH 3 EAST RED ROCK DRIVE PHOENIX, ARIZONA 10 5023 57 / 50807 FDHIOX DOINGSDOTH Ω 発 市 8 8 Ag g

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CONSTRUCTION NOTES

install 12"x12" catch basin w/ 6" PVC w/ silt filters

| 9 | Install 8" min diameter native stone rip-rap 24" min thickness with filter fabric | 10 | Install 2" deck drain w/ 4" PVC outlet

NDS'

Catch Basin Filter

Filter is designed for superior durability, filtration & strength

Made from spun-bong polypropylene geotexible fabric

naturalisancountered obemicals, alkalis and acids Meets international testing standards:

ASTM D 4533: Durable up to 40 lbs. of weight ASTM D 4355: UV-resistant 70% at 500 hours

- ASTM D 4491: Fitration rates of water flow rate of 95 gpm

Here's comply with stairnwater regulations. Easy maintenance - Inspect every 6 months & clean/replace as needed.

12" Catch Bas

Cloqued pipes require the effectiveness of drainage Adding a filter is a simple a cost-effective alternative to expensive repair or replacemen





200	Compatible With These Basins
n Filter	900, 900-4 and 916 NDS catch basins and kits
in Filter	1200, 1200NGB, 1203, 1204, 1216, 1217, 1225 NDS carch basins & kits

30' TYPICAL CONSTRUCTION FENCE DETAIL



KIVA# 99-40634 CPHG# 2205423 H04058 ENVR# 040033 Q.S.# 19-39 ZONING RE-35

CIVIL GROUP

GRADING PLAN 17 39 RED ROCK NORTH 3 EAST RED ROCK DRIVE PHOENIX, ARIZONA LOT 5023



DATE AUG 2020 SHEET

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