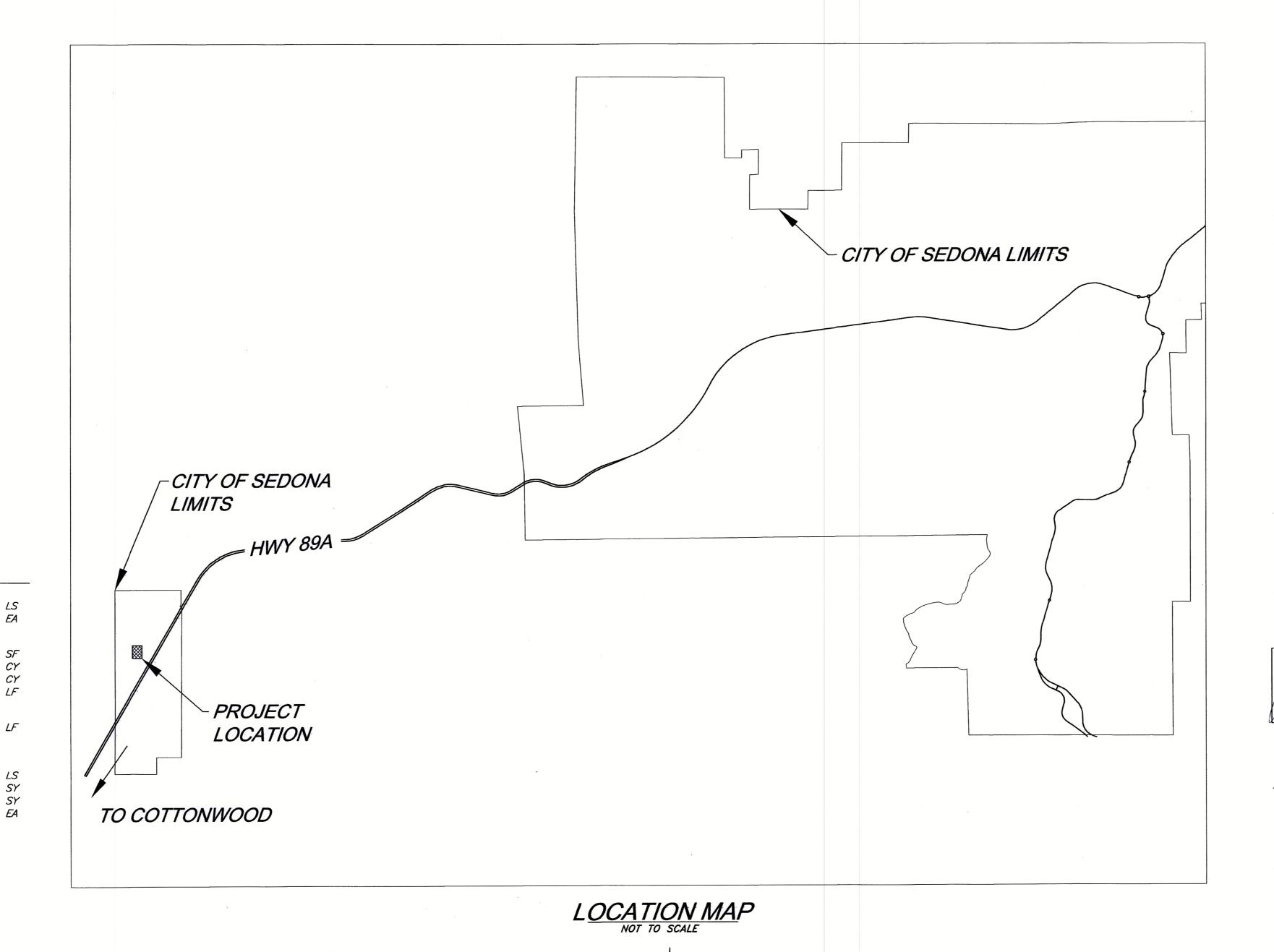
CITY OF SEDONA POLICE DEPARTMENT SHOOTING RANGE IMPROVEMENTS

LOCATION IN A PORTION OF SECTION 8, TOWNSHIP 17, NORTH, 4 RANGE EAST, FILA AND SALT RIVER MERDIAN, YAVAPAI COUNTY, ARIZONA.

LEGEND PROPERTY LINE/EXISTING FENCE EXISTING MAJOR CONTOUR LINE EXISTING MINOR CONTOUR LINE PROPOSED MINOR CONTOUR LINE PROPOSED BERM ----- PROPOSED FLOW LINE ---- PROPOSED GRADING LIMITS EXISTING BUILDING o——☆- PROPOSED SOLAR LIGHT POLE TO EXISTING SIGN • EXISTING TREE CONTROL POINT * PROPOSED CONCRETE PROPOSED ABC

QUANTITIES		
REMOVALS AND ADJUSTMENTS REMOVE AND DISPOSE OF EXISTING VEGETATION (NOTE 100) REMOVE AND DISPOSE OF EXISTING TREE (NOTE 101)	1 .3	
SITE CONSTRUCTION NEW 7'x20' CONCRETE PAD (NOTE 201) IMPORT FILL AND GRADE BERM (NOTE 202) GRADE RIFLE RANGE AND PLACE FILL FOR BERM (NOTE 203) NEW 6" DEEP DRAINAGE SWALE (NOTE 204)	135 13,125 1,440 200	
<u>SWPPP</u> NEW STRAW WATTLES (NOTE 601) HYDROSEED ALL BERMS (NOTE 602)	920 1.16 AC	
ADD ALTERNATES NEW CRACK SEAL (NOTE 300) NEW CHIP SEAL (NOTE 301) NEW 4" THICK ABC FOR RIFLE RANGE (NOTE 302) NEW SOLAR LIGHTS (NOTE 303)	1 1,790 1,540 3	



CONTACT INFORMATION

CITY OF SEDONA ENGINEERING SERVICES 102 ROADRUNNER DRIVE SEDONA, ARIZONA 88336 (928)204-7111

ROB ADAMS MARK DINUNZIO

CITY COUNCIL BARBARA LITRELL JOHN MARTINEZ DAN MCILROY

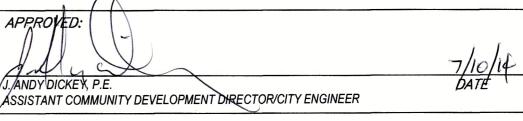
JESSICA WILLIAMS MIKE WARD

THE WLB GROUP, INC. 500 NORTH BEAVER STREET

FLAGSTAFF, ARIZONA 86001 (928)779-1500

SHEET INDEX			
SHT NO.	DWG NO.	DESCRIPTION	
1	1	COVER SHEET	
2	2	NOTES & DETAILS SHEET	
3	3	GRADING AND DRAINAGE PLAN	
4	4	SWPPP	
5	5	BERM CROSS SECTIONS	

APPROVAL



RECORD DRAWING STATEMENT

I, HEREBY STATE, BASED ON MY FIELD OBSERVATION AND INFORMATION PROVIDED BY THE GENERAL CONTRACTOR AND OTHERS, THAT THE WORK ON SHEETS 1 THROUGH 4, MARKED AS "RECORD DRAWING" HAS BEEN CONSTRUCTED IN SUBSTANTIAL CONFORMANCE WITH THESE CONSTRUCTION PLANS, SPECIFICATIONS, INCLUDING CHANGES AND REVISIONS.

REGISTERED LAND SURVEYOR/ENGINEER

DATE

REGISTRATION NUMBER

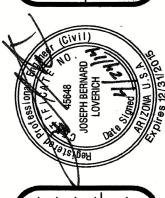
EXPIRATION DATE

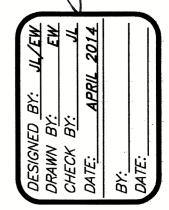
NOTICE OF EXTENDED PAYMENT PROVISION

(PER ARS 32-1129.01) THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVAL OF BILLINGS AND ESTIMATES FOR PROGRESS PAYMENTS, WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVAL OF BILLINGS AND ESTIMATES FOR RELEASE OF RETENTION AND WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVAL OF BILLINGS AND ESTIMATES FOR FINAL PAYMENT.



100% PLANS





313025A001 SHEET OF

M.A.G. UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. M.A.G. UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION. A.D.H.S. (A.D.E.Q.) ENGINEERING BULLETINS NO. 8 AND 10 (WATER SYSTEMS). ARIZONA ADMINISTRATIVE CODES.

A.W.W.A. STANDARDS. M.U.T.C.D. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ARIZONA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND DRAWINGS.

- 2. ALL WORK SHALL CONFORM TO MAG STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND CURRENT REVISIONS THERETO AS MODIFIED BY THE CITY OF SEDONA CITY CODE SECTION 12.05.110.
- 3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN COPIES OF THE ABOVE STANDARDS, SPECIFICATIONS AND DETAILS, AS WELL AS ALL OTHER STANDARDS AND SPECIFICATIONS WHICH MAY BE NECESSARY TO COMPLETELY AND ACCURATELY INTERPRET THESE PLANS.
- 4. ALL QUANTITIES SHOWN ARE APPROXIMATE AND ARE FURNISHED SOLELY FOR THE CONTRACTOR'S CONVENIENCE. THEY DO NOT NECESSARILY CORRESPOND TO BID SCHEDULE ITEMS. PAYMENT WILL BE BASED ON BID SCHEDULE ITEMS. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR INDEPENDENTLY ESTIMATING WORK QUANTITIES PRIOR TO BIDDING.
- 5. UNDERGROUND UTILITY LOCATIONS, AS SHOWN ON THESE PLANS, WERE DETERMINED FROM FIELD MEASUREMENTS, CONSTRUCTION PLANS, RECORD PLANS, OR UTILITY MAPS FURNISHED BY OTHERS. LOCATIONS OF UNDERGROUND UTILITIES ARE TO BE REGARDED AS APPROXIMATE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ESTABLISH IN THE FIELD THE ACTUAL LOCATIONS OF ALL UNDERGROUND LINES WHICH MAY IN ANY WAY AFFECT THE WORK AND TO FOLLOW ALL ARIZONA BLUESTAKE REGULATIONS.
- 6. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR MAKING COMPLETE AND ACCURATE ON-SITE DETERMINATIONS OF THE LOCATIONS OF ALL UTILITIES, STRUCTURES VEGETATION AND FIELD CONDITIONS, WHICH MAY AFFECT THE PROGRESS OF THE WORK.
- 7. WHERE PLANS CALL FOR CONNECTING NEW STRUCTURES TO EXISTING UNDERGROUND PIPES OR STRUCTURES, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE, AT THE TIME OF CONSTRUCTION, EXACT SIZES, TYPES AND LOCATIONS OF EXISTING UNDERGROUND IMPROVEMENTS AND TO FURNISH MATERIALS AS NEEDED TO MAKE THE REQUIRED CONNECTIONS.
- 8. WHERE THE LOCATION OF EXISTING STRUCTURES ARE INDICATED ON THE PLANS, INDICATED LOCATIONS ARE APPROXIMATE ONLY.
- 9. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING WHAT PERMITS WILL BE REQUIRED FOR THE WORK AND FOR OBTAINING, AT HIS OWN EXPENSE, ALL PERMITS REQUIRED UNLESS STATED OTHERWISE IN THE SPECIAL PROVISIONS.
- 10. THE APPROPRIATE UTILITY COMPANIES SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION. "BLUE STAKE" NUMBER IS 1-800-STAKE-IT. CONTRACTOR SHALL ALLOW TWO WORKING DAYS AFTER "BLUE STAKE" IS NOTIFIED, BEFORE COMMENCING ANY EXCAVATION WORK IN THE PROXIMITY OF BURIED UTILITIES.

EARTHWORK

PER THE SITE PREPARATION AND GRADING PROCEDURES "ALL EARTHWORK SHOULD BE ACCOMPLISHED WITH OBSERVATION AND TESTING BY A QUALIFIED TECHNICIAN UNDER DIRECTION OF A REGISTERED GEOTECHNICAL/MATERIALS ENGINEER."

EARTHWORK CALCULATIONS

CUT = 1.440 CY : CUT FOR RIFLE RANGE TO BE USED FOR BERM CONSTRUCTION. : COMPACTED VOLUME OF FILL REQUIRED TO CONSTRUCT BERMS. NET = 13,125 CY: COMPACTED VOLUME OF FILL TO BE IMPORTED TO CONSTRUCT BERMS.

ALL EARTHWORK QUANTATIES SHOWN ARE TO THE FINISHED/COMPACTED GRADE. SHRINK/SWELL HAS NOT BEEN ACCOUNTED FOR IN THE QUANTATIES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ACTUAL QUANTATIES OF IMPORT TO CONSTRUCT THE BERMS AS SHOWN.

RIGHT-OF-WAY AND TRAFFIC CONTROL

THE CONTRACTOR SHALL PROVIDE ANY NECESSARY TRAFFIC CONTROL DEVICES REQUIRED FOR THE CONTROL OF VEHICLE AND PEDESTRIAN TRAFFIC AFFECTED BY THE CONSTRUCTION. ALL TRAFFIC CONTROL PLANS MUST BE APPROVED BY THE OWNER OR HIS REPRESENTATIVE PRIOR TO IMPLEMENTATION.

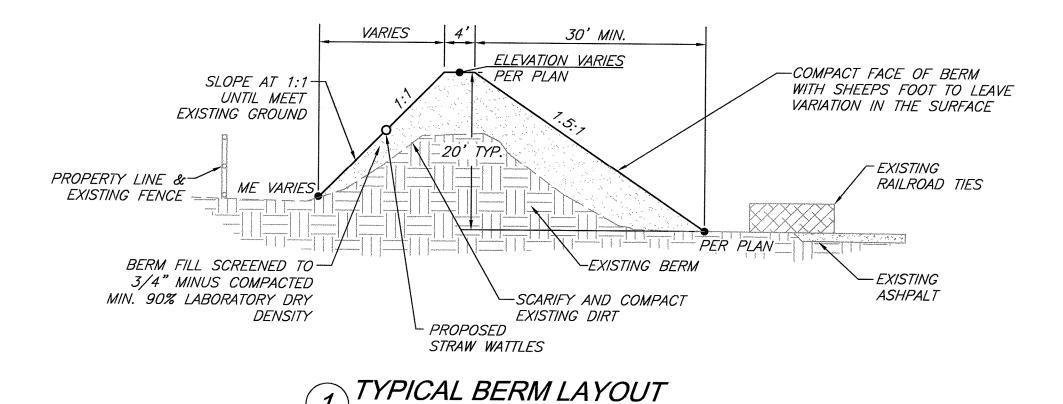
DRAINAGE

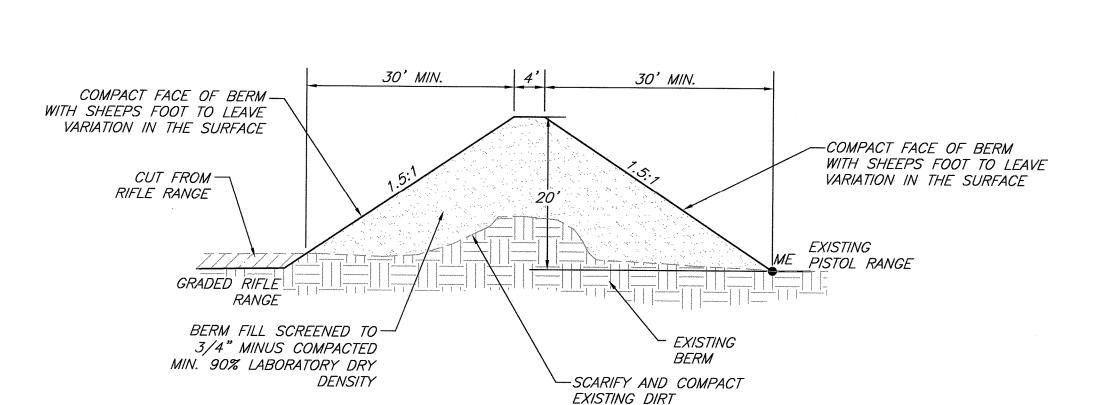
ADEQUATE DRAINAGE, EROSION AND SEDIMENT CONTROL MEASURES, BEST MANAGEMENT PRACTICES, AND/OR OTHER STORMWATER MANAGEMENT FACILITIES SHALL BE PROVIDED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION. DAMAGES TO ADJACENT PROPERTY AND/OR THE CONSTRUCTION SITE CAUSED BY THE CONTRACTOR'S FAILURE TO PROVIDE AND MAINTAIN ADEQUATE DRAINAGE AND EROSION/SEDIMENT CONTROL FOR THE CONSTRUCTION AREA SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEY NOTE

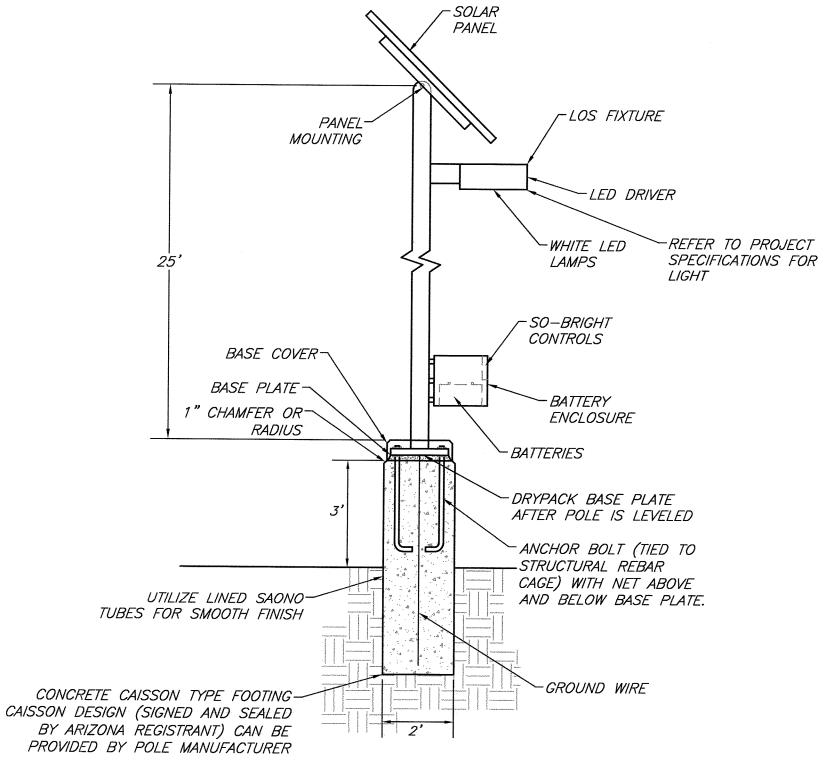
NO BOUNDARY SURVEY WAS CONDUCTED OR IMPLIED. THE COORDINATE SYSTEM FOR THIS SURVEY IS AN ASSUMED GRID COORDINATE SYSTEM, AND THE BASIS OF BEARINGS IS DERIVED FROM A HAND COMPASS READING BETWEEN CONTROL POINT 1001 AND 1004.

UTILITY LOCATIONS SHOWN HEREON ARE BASED ON THE LOCATION OF ABOVE GROUND APPURTENANCES ONLY. FOR ACCURATE UTILITY LOCATIONS IT IS RECOMMENDED THAT THE SUBJECT PROPERTY BE BLUE STAKED AND THEN A FIELD SURVEY BE CONDUCTED TO REVEAL ACTUAL UNDERGROUND CONDITIONS.

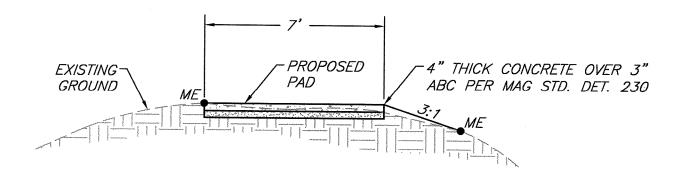




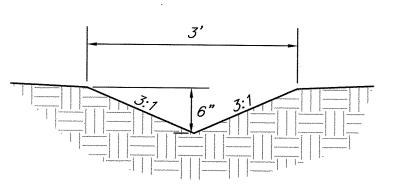
CENTER BERM LAYOUT



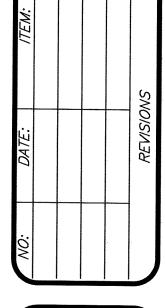
5 SOLAR LIGHT DE TAIL



2) RIFLE RANGE PAD NOT TO SCALE



DRAINAGE SWALE NOT TO SCALE



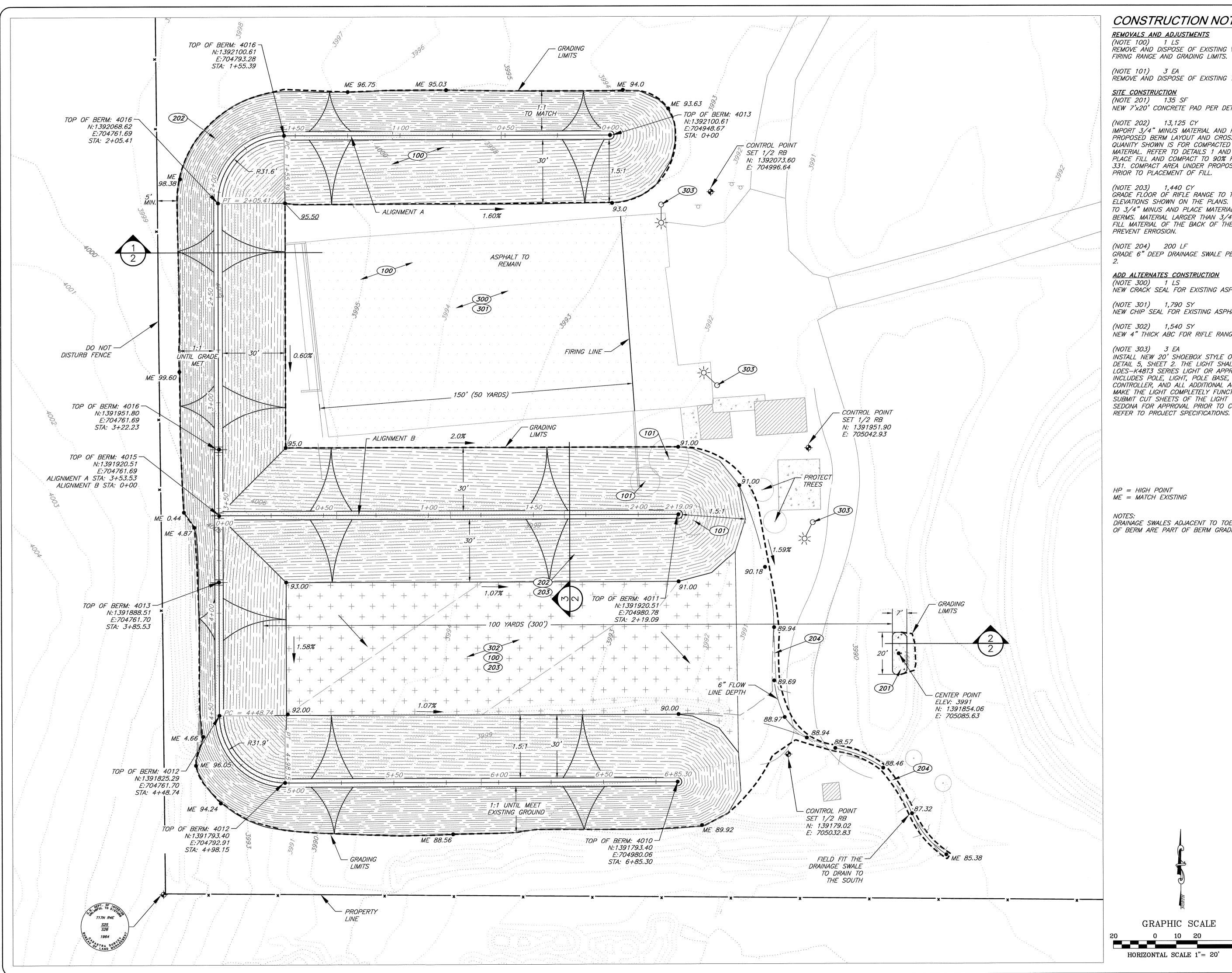


PROJECT NO. 313025A001 SHEET OF

100% PLANS

TWO WORKING DAYS BEFORE YOU DIG CALL FOR THE BLUE STAKES

1-800-782-5348



CONSTRUCTION NOTES

REMOVE AND DISPOSE OF EXISTING VEGETATION WITHIN FIRING RANGE AND GRADING LIMITS.

REMOVE AND DISPOSE OF EXISTING TREE.

NEW 7'x20' CONCRETE PAD PER DETAIL 2, SHEET 2.

(NOTE 202) 13,125 CY IMPORT 3/4" MINUS MATERIAL AND PLACE PER THE PROPOSED BERM LAYOUT AND CROSS SECTIONS. THE QUANITY SHOWN IS FOR COMPACTED IN-PLACE MATERIAL. REFER TO DETAILS 1 AND 3 ON SHEET 2. PLACE FILL AND COMPACT TO 90% PER MAG SPEC. 331. COMPACT AREA UNDER PROPOSED BERM TO 90%

(NOTE 203) 1,440 CY GRADE FLÓOR OF RIFLE RANGE TO THE PROPOSED ELEVATIONS SHOWN ON THE PLANS. SCREEN MATERIAL TO 3/4" MINUS AND PLACE MATERIAL TO CONSTRUCT BERMS. MATERIAL LARGER THAN 3/4" CAN BE USED AS FILL MATERIAL OF THE BACK OF THE BERMS TO HELP

GRADE 6" DEEP DRAINAGE SWALE PER DETAIL 4, SHEET

ADD ALTERNATES CONSTRUCTION

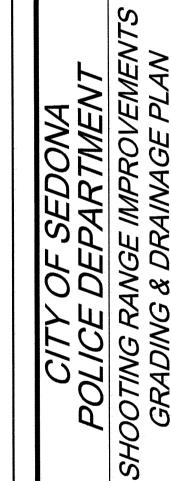
NEW CRACK SEAL FOR EXISTING ASPHALT.

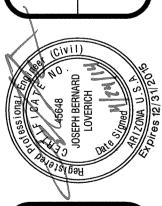
NEW CHIP SEAL FOR EXISTING ASPHALT.

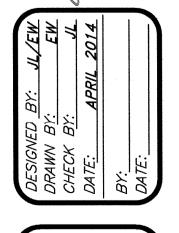
NEW 4" THICK ABC FOR RIFLE RANGE FLOOR.

INSTALL NEW 20' SHOEBOX STYLE OVERHEAD LIGHT PER DETAIL 5, SHEET 2. THE LIGHT SHALL BE A SOLAR ONE LOES-K48T3 SERIES LIGHT OR APPROVED EQUAL. INCLUDES POLE, LIGHT, POLE BASE, BATTERY, CONTROLLER, AND ALL ADDITIONAL ACCESSORIES TO MAKE THE LIGHT COMPLETELY FUNCTIONAL. CONTRACTOR SUBMIT CUT SHEETS OF THE LIGHT TO THE CITY OF SEDONA FOR APPROVAL PRIOR TO CONSTRUCTION.

DRAINAGE SWALES ADJACENT TO TOE OF BERM ARE PART OF BERM GRADING.







PROJECT NO. 313025A001 SHEET OF

100% PLANS

TWO WORKING DAYS BEFORE YOU DIG CALL FOR THE BLUE STAKES

1-800-782-5348

GENERAL NOTES

1. ALL EXISTING VEGETATION OUTSIDE OF THE

2. THE OPERATOR SHALL KEEP DOCUMENTS INCLUDING SWPPP INSPECTION REPORTS, BEGINNING AND ENDING DATES OF MAJOR GRADING ACTIVITIES AND STABILIZATION EFFORTS,

AND THE AZPDES GENERAL CONSTRUCTION PERMIT (AZG2003-001) AS A PART OF THIS SWPPP PLAN. 3. AT THE COMPLETION OF CONSTRUCTION, THE

CONTRACTOR SHALL REMOVE ANY SEDIMENT AND DEBRIS FROM THE EXISTING DRAINAGEWAYS BEFORE REMOVING THE SEDIMENT TRAPPING DEVICES.

4. ALL AREAS OUTSIDE GRADING LIMITS SHOWN SHALL NOT

5. ALL BERMS SHALL BE SEEDED AS APPROVED BY THE CITY OF SEDONA.

CONSTRUCTION NOTES

(NOTE 601) 920 LF CONSTRUCT STRAW WATTLES PER DETAIL 1, THIS SHEET.

(NOTE 602) 1.16 AC HYDROSEED ALL BERMS PER THE LIMITS SHOWN.

DIRECTION OF FLOW

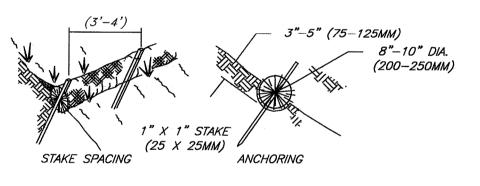
GRADING LIMITS HYDROSEED AREA

1. CONTRACTOR RESPONSIBLE FOR IMPLEMENTATION AND MAINTENANCE OF THE SWPPP DURING CONSTRUCTION.

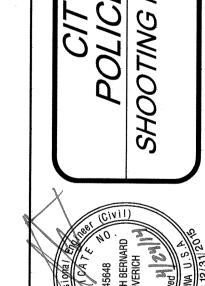
- 2. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THE NOTICE OF INTENT (NOI) TO ADEQ PRIOR TO START OF CONSTRUCTION.
- 3. BMP'S SHALL BE INSTALLED PRIOR TO START OF CONSTRUCTION. 4. AT THE COMPLETION OF CONSTRUCTION THE CONTRACTOR SHALL
- SUBMIT THE NOTICE OF TERMINATION (NOT) TO ADEQ TO CLOSE

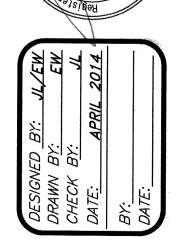
1. STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3"-5" (75-125mm) DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

2. ADJACENT ROLLS SHALL TIGHTLY ABUT ONE ANOTHER.



1 STRAW WATTLES
NOT TO SCALE





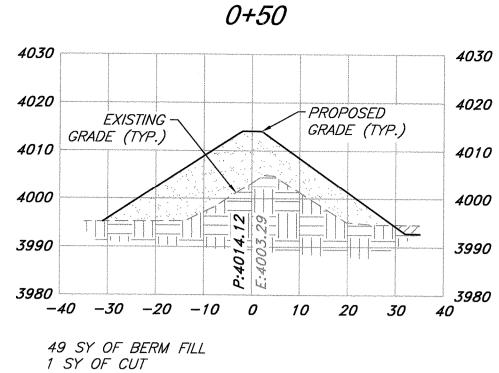
PROJECT NO. 313025A001 SHEET OF

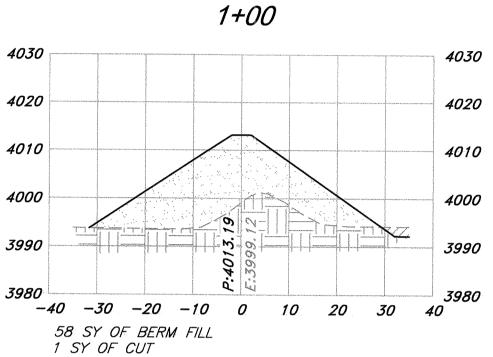
TWO WORKING DAYS BEFORE YOU DIG CALL FOR THE BLUE STAKES 1-800-782-5348

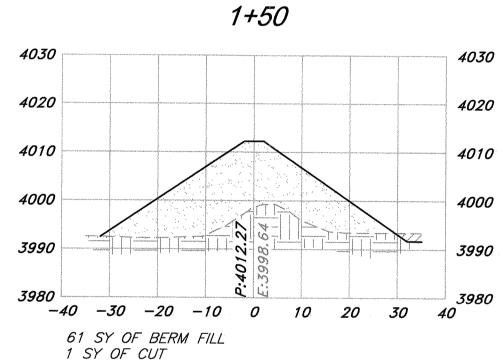
HORIZONTAL SCALE 1"= 20'

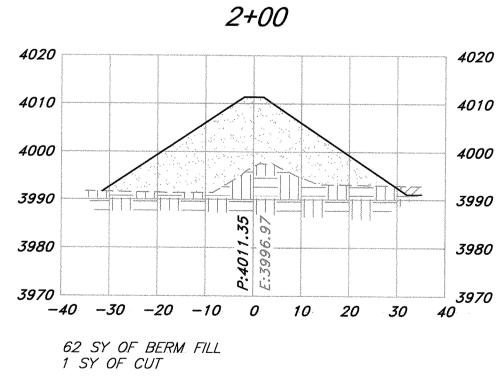
100% PLANS

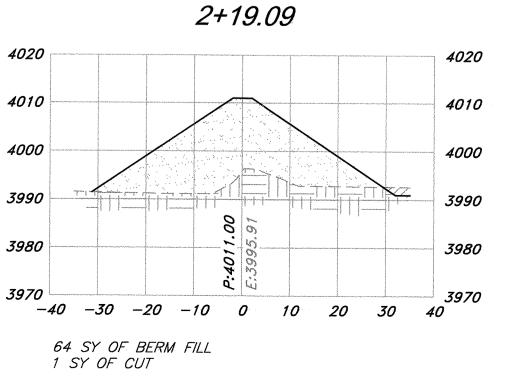


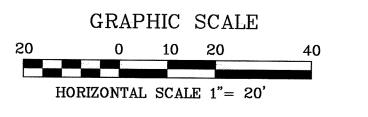




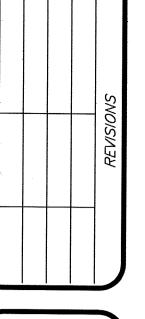


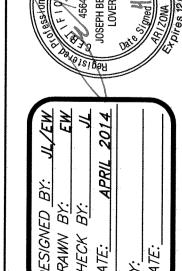












PROJECT NO. 313025A001 SHEET OF