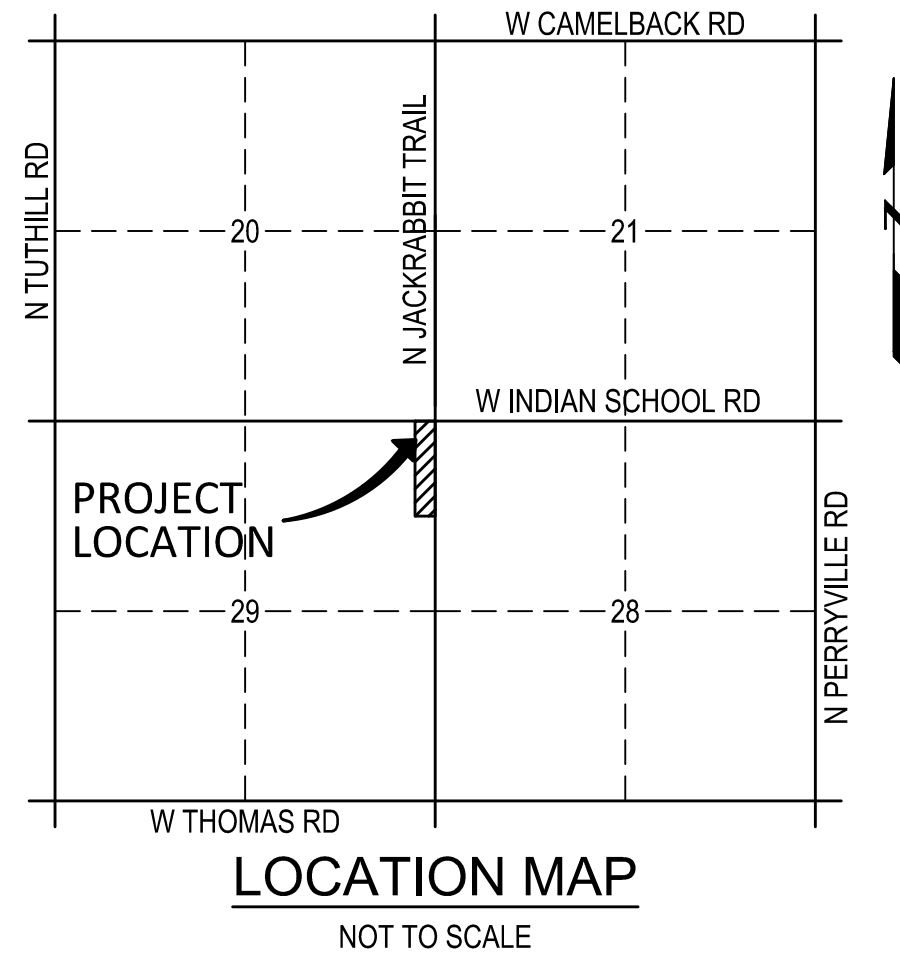
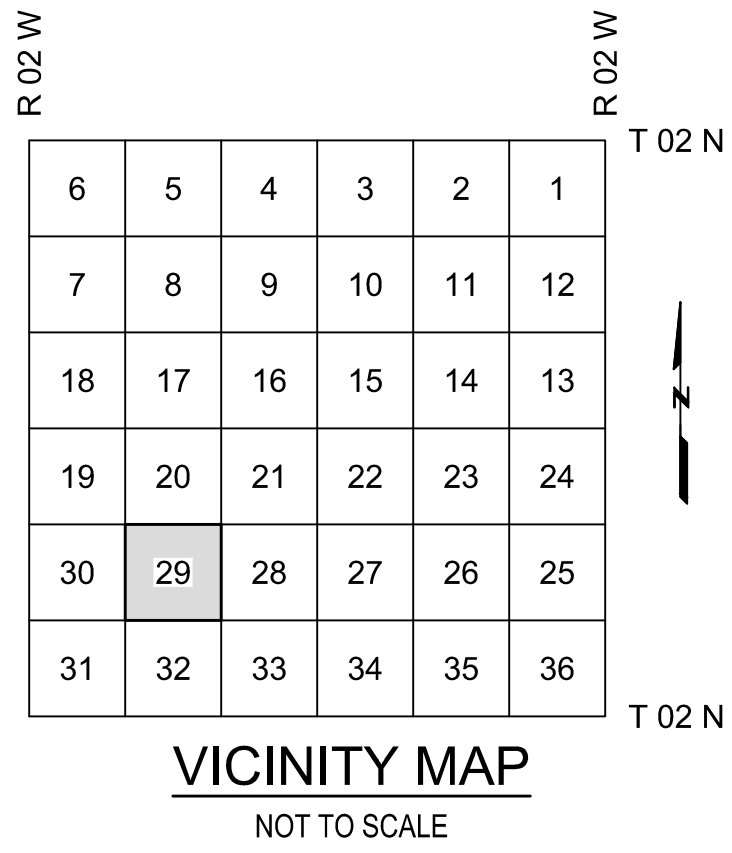


JACKRABBIT TRAIL/195TH AVE IMPROVEMENT PAVING PLAN

LYING WITHIN SECTION 29, TOWNSHIP 2 NORTH, RANGE 2 WEST, OF THE GILA AND SALT RIVER MERIDIAN, MARICOPA COUNTY, ARIZONA



FEMA FLOOD ZONE INFORMATION

COMMUNITY NUMBER	PANEL # PANEL DATE	SUFFIX	DATE OF FIRM (INDEX DATE)	FIRM ZONE	BASE FLOOD ELEV. (IN AO ZONE, USE DEPTH)
C.O.B. 040039	2130 APRIL 15, 1988	L	MARCH 14, 2014	ZONE AE & ZONE X	NA

ALL FLOOD ZONES ARE SHOWN IN THIS PLAN SET.

GENERAL PERMITTING NOTES

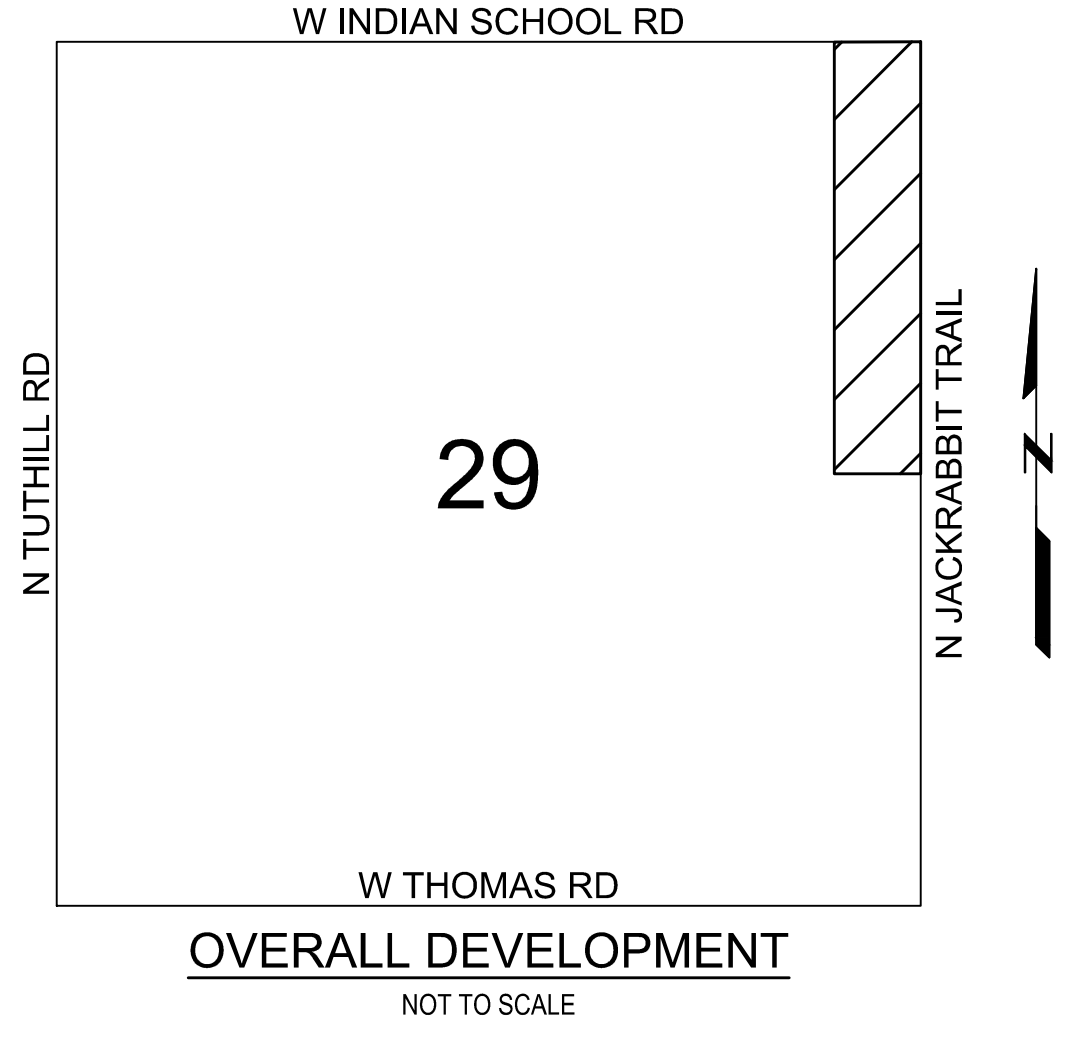
- ALL CONSTRUCTION IN THE PUBLIC RIGHTS-OF-WAY OR IN EASEMENTS GRANTED FOR PUBLIC USE MUST CONFORM TO THE LATEST MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) UNIFORM STANDARD SPECIFICATIONS AND UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION AS AMENDED BY THE LATEST VERSION OF THE CITY OF BUCKEYE DESIGN STANDARDS. IF THERE IS A CONFLICT, THE CITY OF BUCKEYE STANDARDS WILL GOVERN.
- THE APPROVAL OF THE PLANS IS VALID FOR ONE (1) YEAR FROM THE DATE OF THE CITY ENGINEER'S SIGNATURE. IF AN ENCROACHMENT PERMIT FOR THE CONSTRUCTION HAS NOT BEEN ISSUED WITHIN ONE (1) YEAR, THE PLANS MUST BE RESUBMITTED TO THE CITY FOR REAPPROVAL.
- A CITY OF BUCKEYE INSPECTOR WILL INSPECT ALL WORKS WITHIN THE CITY OF BUCKEYE RIGHTS-OF-WAY AND IN EASEMENTS. NOTIFY THE CITY 24 HOURS PRIOR TO THE INSPECTION BY CALLING (623) 349-6248.
- CITY PERMITS ARE REQUIRED FOR ALL WORK IN PUBLIC RIGHTS-OF-WAY AND EASEMENTS GRANTED FOR PUBLIC PURPOSES. A CITY PERMIT WILL BE ISSUED BY THE CITY ONLY AFTER ALL FEES HAVE BEEN PAID AND THE PERMIT HAS AN APPROVED MARICOPA COUNTY ENVIRONMENTAL SERVICES DUST PERMIT AND AN APPROVED STORM WATER POLLUTION PREVENTION PLAN ATTACHED. THE SWPPP SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS.
- COPIES OF ALL PERMITS AND MOST RECENT APPROVED PLANS MUST BE RETAINED ON-SITE AND BE AVAILABLE FOR INSPECTION AT ALL TIMES. FAILURE TO PRODUCE THE REQUIRED PERMITS AND PLANS WILL RESULT IN IMMEDIATE SUSPENSION OF ALL WORK UNTIL PROPER PERMIT DOCUMENTATION AND/OR PLANS ARE OBTAINED. ALL OF THESE REQUIREMENTS APPLY TO ONSITE GRADING AND IMPROVEMENT PLANS.

THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY GENERAL NOTES

- ALL CONSTRUCTION WITHIN FLOOD CONTROL DISTRICT (DISTRICT) RIGHTS-OF-WAY JURISDICTION SHALL CONFORM TO THE LATEST DISTRICT STANDARDS AND SPECIFICATIONS AS PUBLISHED ON THE DISTRICT'S WEB SITE.
- CONTRACTOR MUST OBTAIN NECESSARY DISTRICT PERMIT PRIOR TO COMMENCEMENT OF CONSTRUCTION WITHIN DISTRICT RIGHT-OF-WAY AND MAINTAIN A COPY OF THE PERMIT ON THE PROJECT SITE AT ALL TIMES.
- NOTIFY THE DISTRICT'S PERMITS INSPECTOR AT 602-525-7913 OR IF WORKING AT A DISTRICT DAM CALL 602-506-4722 AT LEAST 48 HRS PRIOR TO ANY WORK BEING PERFORMED IN THE DISTRICT'S RIGHTS-OF-WAY.
- CONTRACTOR PERFORMING EXCAVATION OPERATIONS IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UNDERGROUND UTILITIES.
- ANY DAMAGE TO DISTRICT'S STRUCTURES, EQUIPMENT, MATERIALS, VEGETATION, AND/OR PROPERTY SHALL BE REPLACED AND/OR REPAIRED IN-KIND TO THE SATISFACTION OF THE DISTRICT.
- IN THE EVENT THE TERMS AND CONDITIONS IN THE DISTRICT'S PERMIT ARE NOT CONSISTENT WITH THE DISTRICT-APPROVED PLANS, THE DISTRICT'S PERMIT WILL HAVE PRIORITY.
- IN ORDER TO CLOSE THE DISTRICT'S PERMIT AND RELEASE BONDS, THE WORK ON THE PROJECT SITE WILL HAVE TO BE COMPLETE AS DETERMINED BY THE DISTRICT'S INSPECTOR. CERTIFIED AS-BUILT PLANS ALONG WITH REQUIRED QUALITY ASSURANCE TESTS WILL HAVE TO BE PROVIDED AND ACCEPTED BY THE DISTRICT, AND ALL EASEMENTS REQUIRED BY THE PROJECT RECORDED.

UTILITY COMPANIES DATE SUBMITTED

ELECTRIC	APS	10/21/2019
WATER	ARIZONA WATER COMPANY	10/21/2019
TELEPHONE	COX COMMUNICATIONS	10/21/2019
CATV	COX COMMUNICATIONS	10/21/2019
FIBER	MCI	10/21/2019
WATER	EPCOR WATER	10/21/2019
SEWER	EPCOR WATER	10/21/2019
GAS	SOUTHWEST GAS	10/21/2019
FIBER	WANRACK LLC	10/21/2019
FIBER	CENTURY LINK	10/21/2019
SEWER	CITY OF BUCKEYE	10/21/2019
WATER	CITY OF BUCKEYE	10/21/2019
TRAFFIC	CITY OF BUCKEYE	10/21/2019
FIBER	CITY OF BUCKEYE	10/21/2019
STORM DRAIN	CITY OF BUCKEYE	10/21/2019



SUMMARY OF QUANTITIES	
DESCRIPTION	QUANTITY
1 REMOVE EXISTING ASPHALT PAVEMENT	4840 SY
2 REMOVE EXISTING CURB AND GUTTER	390 LF
3 REMOVE CONCRETE SIDEWALK	1440 SF
4 REMOVE & SALVAGE EXISTING CHAIN LINK FENCE	555 LF
5 REMOVE & SALVAGE EXISTING GATE	1 EA
6 REMOVE & SALVAGE EXISTING BOLLARD	4 EA
7 REMOVE & SALVAGE EXISTING TRAFFIC SIGNAL POLE PER TRAFFIC SIGNAL PLAN, SALVAGE TO COB PUBLIC WORKS.	2 EA
8 EXISTING TRAFFIC SIGNAL POLE, SEE TRAFFIC SIGNAL PLAN	1 EA
9 REMOVE EXISTING STORM DRAIN PIPE AND HEADWALL	1 EA
10 REMOVE EXISTING SIGN	1 EA
11 REMOVE EXISTING CONCRETE HEADER	7 LF
1 CONSTRUCT 6" A.C. OVER 12" AGGREGATE BASE COURSE PER MAG SPEC 321 AND PER ROADWAY SECTION ON SHEET 4.	4121 SY
2 REPLACE EXISTING PAVEMENT MINIMUM 3-IN OR MATCH IN KIND PER MAG SECTION 321 (2' MIN). TACK & JOIN NEW A.C. PAVEMENT TO EXISTING. SAWCUT EXISTING PAVEMENT TO A TRUE AND NEAT LINE (2' MIN.) AND COAT RAW EDGE WITH EMULSIFIED ASPHALT IMMEDIATELY PRIOR TO PLACING NEW PAVEMENT.	104 SY
3 INSTALL BRICK CONCRETE PAVER PER COB STD DET 63206.	2371 LF
4 CONSTRUCT 6" VERTICAL CURB & GUTTER PER MAG STD DET 220-1, TYPE "A".	50 SF
5 CONSTRUCT 6" VERTICAL CURB & GUTTER PER MAG STD DET 220-1, TYPE "A".	755 LF
6 CONSTRUCT 6" VERTICAL CURB & GUTTER W/ DEPRESSED LIP PER MAG STD DET 220-1, TYPE "A".	1447 LF
7 CONSTRUCT MEDIAN NOSE TRANSITION PER COB STD DET 63220.	2 EA
10 CONSTRUCT 24" WIDE DRIVEWAY PER MAG STD DET 250-2.	145 SF
12 CONSTRUCT 5-FT CURB TERMINATION PER MAG STD DET 222.	2 EA
13 CONSTRUCT CONCRETE SIDEWALK PER MAG STD DET 230	564 SF
14 CONSTRUCT SIDEWALK RAMP @ 2% MAXIMUM CROSSFALL, SEE DETAIL SHEET 4.	3 EA
15 ADJUST MANHOLE FRAME & COVER PER MAG STD DET 422 AND MAG SEC 345. RE-COAT THE TOP OF THE MH AFTER THE ADJUSTMENTS ARE COMPLETE. SEE EDS 4-1.400(E).	3 EA
16 CONSTRUCT 16" WIDE MAINTENANCE ROAD, 16" WIDE OF 2' AC OVER 6" ABC	1220 SY
17 CONSTRUCT 16" WIDE MAINTENANCE ROAD, 12" WIDE OF 2' AC OVER 6" ABC PER MAG SPEC 321 WITH 2" WIDE COMPACTED DIRT SHOULDERS ON EACH SIDE. BACKFILL EXISTING CHANNEL PER FLOOD CONTROL DISTRICT STD DET FCD200-1.	881 SY
18 CONSTRUCT ASPHALT SAFETY EDGE PER MAG STD DET 201.	1076 LF
19 INSTALL FENCE PER FLOOD CONTROL DISTRICT OF MARICOPA COUNTY DESIGN GUIDELINES	75 LF
20 INSTALL GATE PER DETAIL ON SHEET 5.	1 EA
21 INSTALL CURB OPENING CATCH BASIN PER COB STD DET B-510-A AND B510-B. L=3', L=10'	1 EA
22 INSTALL 18" RGRCP PER COB SPECIFICATIONS. PIPE CLASS, LENGTH AND SLOPE PER PLAN. PIPE TRENCH AND BACKFILL PER FLOOD CONTROL DISTRICT STD DET FCD404-2.	58 LF
23 INSTALL ADS BARRACUDA S6 STORM QUALITY MANHOLE OR APPROVED EQUAL PER MANUFACTURER RECOMMENDATIONS, MODIFIED WITH 6" FRAME AND COVER. MANHOLE COVER FRAME PER FLOOD CONTROL DISTRICT STD DET FCD422-1.	1 EA
24 CONSTRUCT HEADWALL PER COB STD DET 51200 WITH A TRASH RACK PER COB STD DET B-509 AND HAND RAIL PER COB B-110. REMOVE RIPRAP AS NECESSARY AND REPLACE IN KIND. REMOVE EXISTING TRAIL.	1 EA
48 INSTALL DECOMPOSED GRANITE 1" SCREENED PALOMINO GOLD, 2" MIN THICKNESS.	819 SY
51 CONSTRUCT TEMPORARY PAVEMENT SECTION, 3" A.C. OVER 10" AGGREGATE BASE COURSE PER MAG SPEC 310 AND 321.	1584 SY
54 INSTALL TWO SCHEDULE 80 PVC SLEEVES, 1" MIN BEYOND EDGE OF CURB PROVIDE MIN 12" COVER. SIZE PER PLAN. TRENCH PER FLOOD CONTROL DISTRICT STD DET FCD404-2.	6 EA
56 INSTALL 4" THICK CONCRETE MEDIAN NOSE PER MAG STD DET 223.	157 SF
57 INSTALL CONCRETE HEADER	15 LF
58 CONSTRUCT MAINTENANCE ROAD ACCESS RAMP PER FLOOD CONTROL DISTRICT STD DET FCD201-4.	130 SY
59 PLACE ROCK MULCH ON NEWLY GRADED SLOPES PER FLOOD CONTROL DISTRICT STD DET FCD555-2.	

SHEET INDEX

1	COVER
2	NOTES, LEGEND & INDEX MAP
3	ROW PERMIT GENERAL NOTES
4	NOTES, CROSS SECTIONS, ABBREVIATIONS & SECTION
5	DETAIL & STORM DRAIN PROFILE
6-8	PAVING PLAN & PROFILE
8	TOTAL

ENGINEER

WOOD, PATEL AND ASSOCIATES, INC.
2051 W. NORTHERN AVENUE, SUITE 100
PHOENIX, ARIZONA 85021
CONTACT: ETHAN BOYLE, PE
PHONE: (602) 335-8500
FAX: (602) 335-8580
EMAIL: EBOYLE@WOODPATEL.COM

OWNER/DEVELOPER

CIRCLE ROAD COMPANIES
4455 EAST CAMELBACK ROAD, SUITE #C140
MR. DAVID BRUNER, PRESIDENT CEO
PHOENIX, AZ 85018
PHONE: (480) 607-7373
EMAIL: DBRUNER@CIRCLEROAD.COM

BASIS OF BEARING

THE EAST LINE OF THE SOUTHEAST QUARTER OF SECTION 20, TOWNSHIP 2 NORTH, THE RANGE 2 WEST OF THE GILA AND SALT RIVER BASE AND MERIDIAN AS SHOWN ON THE "RESULT OF SURVEY VERRADO" RECORDED IN BOOK 602, PAGE 30, MCR SAID LINE BEARS N00°10'17"E (GROUND CONTROL).

BENCH MARK

MARICOPA COUNTY BRASS CAP STAMPED T2N, R2WS, S20, S21, S28, S28 RLS 33315, 2010 IN HANDHOLE AT THE INTERSECTION OF JACKRABBIT TRAIL AND INDIAN SCHOOL ROAD, SOUTHEAST CORNER OF SECTION 20, TOWNSHIP 2 NORTH, RANGE 2 WEST, GILA AND SALT RIVER MERIDIAN.

ELEVATION=1160.56 VERRADO NGVD'29 DATUM
(ADD 1.92' TO ACHIEVE NAVD 88)

APPROVAL

DISCLAIMER:

THE CITY APPROVES THESE PLANS FOR CONCEPT ONLY AND ACCEPTS NO LIABILITY FOR ERRORS AND OMISSIONS.

BY: _____ DATE _____
CITY OF BUCKEYE ENGINEER

BY: _____ DATE _____
FLOOD CONTROL DISTRICT MARICOPA COUNTY

(OTHER SIGNATURE LINES AS REQUIRED)

AS-BUILT CERTIFICATION

I HEREBY CERTIFY THAT THE "AS - BUILT" INFORMATION SHOWN HEREON WAS OBTAINED UNDER MY DIRECT SUPERVISION AND IS CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

ARIZONA REGISTERED LAND SURVEYOR DATE _____

ARIZONA REGISTRATION NUMBER _____

TELEPHONE NUMBER _____



N:\2019\164455\03\DWG\mp\Jackrabbit Trail\4455-03-001.dwg - 02/10/20

MANAGING ENGINEERING / SURVEYOR	ETHAN BOYLE, PE	CHECKED	EAB	CHECKED
	PROJECT COORDINATOR	DRAFTED	MAG	DRAFTED
DESIGN LAYOUT	ETHAN BOYLE, PE	DMS	FIELD SURVEY	DRAWING SCALES
	WOOD PATEL & ASSOCIATES, INC. Civil Engineering Surveying Land Survey Construction Management 602.335.8500 www.woodpatel.com	COVER SHEET		
ENGINEER INFORMATION	WOOD PATEL			
PLAN TYPE	JACKRABBIT TRAIL/ 195TH AVE. IMPROVEMENT BUCKEYE, AZ.			
PROJECT:	COB PROJECT PLAN STICKER			
REVISIONS:	<div style="border: 1px solid black; padding: 5px;"> <p>1</p> <p>2</p> <p>3</p> </div>			
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL			SUBMITTAL: ENG-19-10265
AS-BUILT SEAL	DESIGN SEAL			
ORIGINAL PLAN DATE	LATEST REVISION DATE			COB PERMIT #
2/10/20	1 of 8			
PROJECT NUMBER	SHEET NUMBER			COB TRACKING #
164455.03	1 of 8			

TC201902215

**CITY OF BUCKEYE:
GENERAL CONSTRUCTION NOTES**

(Detail No. 12100-1-3)

- CITY OF BUCKEYE BUILDING DEPARTMENT SHALL BE NOTIFIED 24 HOURS IN ADVANCE OF ANY ON-SITE OR OFF SITE CONSTRUCTION. PHONE 623-349-6248 FOR THE HOTLINE. ALL OTHERS FAX THE INSPECTION REQUEST FORM TO 623-349-6221, OR USE THE WEB BASED PERMIT PORTHOLE ACCESS TO SCHEDULE AN INSPECTION (WWW.BUCKEYEAZ.GOV).
- ALL WORK AND MATERIALS MUST CONFORM WITH THESE SPECIFICATIONS, THE CURRENT UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION AS SPONSORED AND DISTRIBUTED BY THE MARICOPA ASSOCIATION OF GOVERNMENTS (M.A.G.) AND AS AMENDED BY THE CITY OF BUCKEYE (COB).
- A PERMIT IS REQUIRED FROM THE COB FOR ALL CONSTRUCTION WITHIN THE RIGHTS-OF-WAY (ROW).
- THE CONTRACTOR WILL EXPOSE ALL EXISTING UTILITY LINES BEING TIED IN TO VERIFY THEIR LOCATION.
- THE CONTRACTOR WILL LOCATE, OR HAVE LOCATED, ALL EXISTING UNDERGROUND UTILITIES (ELECTRIC, TELEPHONE, PIPELINE, ETC.) AND STRUCTURES IN ADVANCE OF CONSTRUCTION AND WILL ELIMINATE ALL CONFLICTS PRIOR TO START OF CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE TO CALL BLUE STAKE PRIOR TO STARTING ANY CONSTRUCTION. NO WORK SHALL BEGIN UNTIL BLUE STAKE IS COMPLETED. BLUE STAKE TELEPHONE NUMBER 602-263-1100 OR 1-800-STAKE-IT.
- A PRE-CONSTRUCTION MEETING IS REQUIRED PRIOR TO STARTING ANY WORK OR NEW PHASE OF WORK. THE CONTRACTOR, KEY SUB-CONTRACTORS, COB INSPECTOR AND REPRESENTATIVE OF THE CITY ENGINEER SHALL ATTEND THIS MEETING.
- ANY WORK PERFORMED WITHOUT THE APPROVAL OF THE COB AND/OR ALL WORK AND MATERIAL NOT IN CONFORMANCE WITH THE SPECIFICATIONS IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- DISPOSAL OF EXCESS MATERIAL WITHOUT A PERMIT WITHIN THE COB LIMITS IS PROHIBITED. A USE PERMIT IS REQUIRED FOR DISPOSAL OR STOCKPILING OF MATERIALS WITHIN A RESIDENTIAL AREA. STOCKPILING OF EXCAVATED MATERIAL SHALL NOT EXCEED A HEIGHT OF 6 FEET ABOVE THE NATURAL GROUND ELEVATION. THE SLOPES ON ALL SIDES OF THE STOCKPILED EXCAVATED MATERIAL SHALL NOT EXCEED A 4:1 RATIO OF LENGTH TO HEIGHT.
- EXCAVATION CONTRACTORS MUST IDENTIFY LOCATION FOR DISPOSING OF EXCESS EXCAVATION MATERIAL ALONG WITH A LETTER FROM THE LAND OWNER, GIVING PERMISSION FOR DUMPING PRIOR TO STARTING ANY CONSTRUCTION.
- TRAFFIC CONTROL SHALL BE PROVIDED AND MAINTAINED IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND THE CITY OF PHOENIX BARRICADING MANUAL, MARICOPA COUNTY DEPARTMENT OF TRANSPORTATION, M.A.G. UNIFORM STANDARD DETAIL 401, AND COB REQUIREMENTS. THE CONTRACTOR IS REQUIRED TO SUBMIT A TRAFFIC CONTROL PLAN AND BARRICADE PLAN TO THE COB FOR APPROVAL WHERE THE CONSTRUCTION OF THE NEW IMPROVEMENTS ARE ADJACENT TO OR CONNECTING TO ANY EXISTING ROADWAY OR PEDESTRIAN FACILITIES. THE TRAFFIC CONTROL PLAN AND BARRICADE PLAN SHALL BE APPROVED BEFORE A PERMIT FOR THE WORK WILL BE ISSUED. THE CONTRACTOR SHALL INSTALL APPROVED BARRICADING AND TRAFFIC CONTROL, AS APPROVED BY THE COB, BEFORE WORK CAN TAKE PLACE. ALL OVERNIGHT BARRICADES SHALL BE LIT AND FUNCTIONING.
- A HAUL PLAN FOR MATERIAL IMPORT OR EXPORT SHALL BE REQUIRED FOR COB REVIEW AND APPROVAL PRIOR TO THE START OF HAULING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY AND FINAL CLEAN-UP OPERATIONS OF ADJACENT, EXISTING PAVED STREETS USED BY CONSTRUCTION TRAFFIC. THIS WORK INCLUDES STREET SWEEPING, POWER BROOM AND WATER AS NEEDED OR DIRECTED BY THE COB.
- ENVIRONMENTAL REQUIREMENTS
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL RELATED TO THE PROJECT CONSTRUCTION AND SHALL TAKE WHATEVER MEANS NECESSARY TO CONTROL ANY ABNORMAL CONDITIONS.
 - THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS FOR CLEANING TRUCKS AND/OR OTHER EQUIPMENT OF MUD PRIOR TO ENTERING PUBLIC STREETS, AND TAKE WHATEVER MEASURES ARE NECESSARY TO INSURE THAT ALL ROADS ARE MAINTAINED IN A CLEAN, MUD AND DUST FREE CONDITION AT ALL TIMES.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY AND FINAL CLEAN-UP OPERATIONS OF ADJACENT, EXISTING PAVED STREETS USED BY CONSTRUCTION TRAFFIC.
 - TEMPORARY DRAINAGE CONTROL MEASURES MAY BE REQUIRED DURING AND AFTER CONSTRUCTION UNTIL FINAL PROJECT BUILD-OUT IN ACCORDANCE WITH THE APPROVED PLANS AND IN ACCORDANCE WITH ANY ESTABLISHED OR REQUIRED BEST MANAGEMENT PRACTICES (BMP) AS PART OF THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MEET ALL REQUIREMENTS.
 - THE CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL AIR QUALITY PERMITS.
 - THE CONTRACTOR SHALL SUBMIT TO THE COB A COPY OF THEIR APPROVED COUNTY (AIR QUALITY) DUST CONTROL PLAN, EROSION CONTROL PLAN (SWPPP), AND PERMIT PRIOR TO THE START OF WORK.
- STREET CUTS: APPLICATIONS FOR STREET CUT PERMITS MUST BE APPROVED BY THE CITY ENGINEER PRIOR TO APPROVAL OF IMPROVEMENT PLANS. THE PAVEMENT REPLACEMENT SECTION FOR ALL LONGITUDINAL AND TRANSVERSE TRENCHES LOCATED IN AN EXISTING PAVED STREET SHALL BE CONSTRUCTED IN ACCORDANCE M.A.G. UNIFORM STANDARD DETAIL NO. 200 "T-TOP, BACKFILL, PAVEMENT SURFACE REPLACEMENT, MODIFIED AS FOLLOWS: THE WIDTH OF THE REPLACED PAVEMENT SECTION EXTEND 1 FOOT BEYOND THE TRENCH SIDE EDGE LINE, ON EITHER SIDE OF THE TRENCH. THE DEPTH OF THE PERMANENT

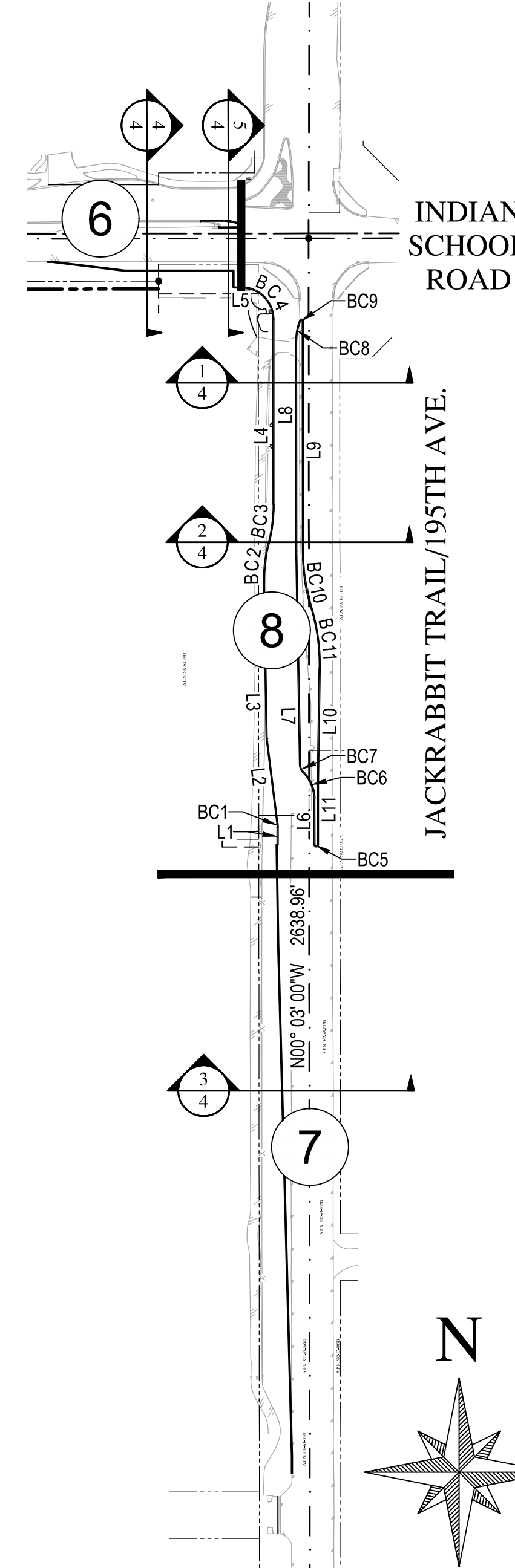
- SURFACE REPLACEMENT SHALL BE A MINIMUM OF 3 INCHES OR MATCH THE EXISTING THICKNESS OF THE PAVEMENT, WHICHEVER IS GREATER. SAWCUT OR CONSTRUCTION JOINTS SHALL BE ADEQUATELY TACK OILED WITH A MINIMUM OF 95% COVERAGE. ASPHALT MATERIAL SHALL BE A COB APPROVED MIX DESIGN WITH COMPACTED LIFTS NO GREATER THAN 3 INCHES. SLURRY BACKFILLED OR OPEN TRENCHES IN EXISTING ROADWAYS MUST BE PROPERLY STEEL PLATED AND BARRICADED OVER NIGHT. STEEL PLATES TO BE MILLED FLUSH WITH ROADWAY SURFACE PER NOTE 24. "COLD MIX" TEMPORARY ASPHALT PATCHES MUST BE REPLACED AS SOON AS POSSIBLE AND CANNOT REMAIN FOR MORE THAN 5 DAYS TIME OR AS REQUIRED BY THE COB. DURING THE 5 DAY PERIOD THE CONTRACTOR IS REQUIRED TO MAINTAIN THE PATCH TO WITHIN MAG STD SPEC 321.5.3. ASPHALT IN PLACE FOR LESS THAN 5 YEARS SHALL BE MILLED AND OVERLAYED A MINIMUM OF 20 FEET PAST TRENCH WALLS, AND IN THE CASE OF MULTIPLE STREET CUTS, THE CONTINUOUS MILL AND OVERLAY SHALL EXTEND A MINIMUM OF 20-FOOT PAST END OF THE FURTHEST TRENCH WALLS.
- POTHOLES: NO POTHOLES SHALL BE DONE ON ANY STREET NEWER THAN 2 YEARS OLD. ALL POTHOLES IN EXISTING STREETS SHALL BE DONE USING WATER/AIR/VACUUM TYPE METHOD. POTHOLE SIZE SHALL BE LIMITED TO A 12 INCH BY 12 INCH SQUARE HOLE. REMOVAL MATERIAL CANNOT BE USED FOR BACK FILL. THE CONTRACTOR SHALL USE SLURRY PER MAG SEC. 728. PAVEMENT REPLACEMENT SHALL BE BY APPROVED HOT MIX ASPHALT ONLY. A 3 FOOT BY 3 FOOT PAVEMENT SLURRY SEAL SHALL BE APPLIED AFTER THE ASPHALT IS PLACED.
 - AN APPROVED, UP-TO-DATE SET OF PLANS AND A RIGHT-OF-WAY PENNIT SHALL BE MAINTAINED ON THE JOB SITE AT ALL TIMES WHILE WORK IS IN PROGRESS. IF THE PLANS AND PERMITS ARE NOT ON SITE, THE WORK SHALL BE STOPPED UNTIL THE APPROVED PLANS ARE PROVIDED. DEVIATION FROM THE PLANS SHALL NOT BE ALLOWED WITHOUT THE COB'S APPROVAL.
 - DAMAGE TO ANY AND ALL ITEMS CAUSED BY CONSTRUCTION OR CONSTRUCTION RELATED WORK SHALL BE REPLACED OR REPAIRED TO THE SAME OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE.
 - ALL PARCEL CONSTRUCTION ACCESS LOCATIONS ARE SUBJECT TO THE CITY ENGINEER'S APPROVAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING PROPER AND ADEQUATE ACCESS ROADS INSIDE AND THROUGHOUT THE PARCEL ALLOWING FOR INSPECTION ACCESSIBILITY. THIS INCLUDES GRADING, GRAVEL FILL AND/OR TRENCH PLATES AS REQUIRED.
 - THE CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE COB AND THE COB CONSULTANTS 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 COB.
 - THE COB SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES UTILIZED IN CONNECTION WITH THE WORK. THE COB WILL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS COMPLYING WITH MAG OR COB REQUIREMENTS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING CERTIFIED AS-BUILT RECORD DOCUMENTS TO THE COB FOR REVIEW AND APPROVAL. NO FINAL ACCEPTANCE SHALL BE ISSUED UNTIL "AS-BUILT" PLANS CERTIFIED BY THE PROJECT ENGINEER/LAND SURVEYOR HAVE BEEN SUBMITTED AND ACCEPTED BY THE COB. FINAL CONSTRUCTION ACCEPTANCE OR THE RELEASE OF CERTIFICATE OF OCCUPANCIES SHALL NOT BE ISSUED UNTIL ALL AS-BUILT DRAWINGS AND OTHER REQUIRED DOCUMENTS PER THE COB'S FINAL PROJECT SUBMITTAL CHECKLIST, HAVE BEEN REVIEWED AND APPROVED BY THE CITY ENGINEER.
 - ARRANGEMENTS FOR CONSTRUCTION WATER CAN BE MADE BY CALLING THE WATER RESOURCE DEPARTMENT AT (623) 349-6800.
 - THE COB IS NOT RESPONSIBLE FOR LIABILITY ACCRUED DUE TO DELAYS AND/OR DAMAGES TO UTILITIES IN CONJUNCTION WITH THIS CONSTRUCTION. ALSO, THE CITY WILL NOT PARTICIPATE IN THE COST OF CONSTRUCTION OR RELOCATION OF UTILITIES.
 - ALL CONTRACTORS SHALL CONTRACT FOR TRASH PICKUP THROUGH A LICENSED CITY OF BUCKEYE SOLID WASTE HAULER (602-237-2078) AND DISPOSED OF AT THE SOUTHWEST REGIONAL LANDFILL IN BUCKEYE.
 - OPEN TRENCHES ACROSS DRIVEWAYS, STREETS AND CROSS-STREETS SHALL BE PLATED FOR OVERNIGHT, WEEKEND OR EXTENDED PERIODS, PER M.A.G. UNIFORM STANDARD DETAIL 211.
 - ALL ABC SHALL BE FROM AN ARIZONA DEPARTMENT OF TRANSPORTATION (ADOT) APPROVED SOURCE LIST.
 - LONGITUDINAL TRENCH BACKFILL IN EXISTING ARTERIAL, COLLECTOR, OR LOCAL ROADWAYS OR ADJACENT TO EXISTING ROADWAY (WHEN THE TRENCH EXCAVATION FALLS WITHIN 2 FEET OF EDGE OF PAVEMENT) SHALL REQUIRE 1/4 SACK CLSM PER MAG SPEC 728 FULL DEPTH OR ABC FULL DEPTH AS DIRECTED BY THE COB. ABC BACKFILL COMPACTION SHALL BE BY AN APPROVE MECHANICAL METHOD (NO WATER SETTLING) WITH BACKFILL MATERIAL LIFTS AS FOLLOWS:
 - 12 INCH LIFTS (LOOSE) TO BE USED IN THE TOP 4 FEET OF THE TRENCH
 - 24 INCH LIFTS (LOOSE) TO BE USED FRONT 1 FOOT OVER THE PIPE TO 4 FEET FROM THE TOP OF THE TRENCH PER MAG SEC. 601.4.
 - ALL BACKFILL WITHIN OR ADJACENT TO EXISTING ROADWAYS SHALL BE MECHANICALLY COMPACTED.
 - TRANSVERSE TRENCH BACKFILL IN ALL EXISTING ROADWAYS SHALL REQUIRE 100% FULL DEPTH HALF SACK CLSM PER MAG SPEC 728.
 - ALL MATERIAL SUBMITTALS INCORPORATED IN THE PROJECT SHALL BE SUBMITTED AT OR BEFORE THE PRECONSTRUCTION MEETING FOR REVIEW AND APPROVAL BY THE CITY ENGINEER.

**CITY OF BUCKEYE:
GENERAL PAVING NOTES**

(Detail No. 63100)

- LOCATION OF ALL VALVES AND MANHOLES MUST BE REFERENCED AT ALL TIMES BY THE CONTRACTOR DURING CONSTRUCTION.
- SUBGRADE AND PAVING OPERATIONS SHALL NOT BEGIN UNTIL ALL UTILITY FRAME AND COVER LOCATIONS HAVE BEEN PROPERLY REFERENCED TO FACILITATE ADJUSTMENTS.
- BASE COURSE SHALL NOT BE PLACED ON SUBGRADE UNTIL ALL SUBGRADE REQUIREMENTS HAVE BEEN COMPLETED AND APPROVED BY THE CITY INSPECTOR.
- NO PAVING CONSTRUCTION SHALL COMMENCE UNTIL ALL UNDERGROUND UTILITIES WITHIN THE ROADWAY ARE COMPLETED, TESTED, APPROVED AND THE "TO PAVE" AS BUILT DRAWINGS ARE REVIEWED AND APPROVED BY THE CITY.
- BASE COURSE SHALL NOT BE PLACED ON SUBGRADE UNTIL BASE REQUIREMENTS HAVE BEEN COMPLETED TESTED AND APPROVED BY THE CITY.
- ALL RETURN TYPE DRIVEWAYS WITH CONCRETE PAVEMENT SHALL UTILIZE MAG CLASS A CONCRETE FOR ALL CONSTRUCTION WITHIN THE RIGHT-OF-WAY.
- ASPHALT AND GUTTERS SHALL BE WATER TESTED IN THE PRESENCE OF THE CITY'S AUTHORIZED REPRESENTATIVE TO ENSURE PROPER DRAINAGE, PRIOR TO FINAL APPROVAL BY THE CITY. WATER SHALL NOT POND MORE THAN 1/4 OF AN INCH. ANY PONDING THAT EXCEED THIS WILL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
- THE EXACT POINT OF MATCHING, TERMINATION AND OVERLAY WILL BE DETERMINED IN THE FIELD BY THE CITY OF BUCKEYE ENGINEERING DEPARTMENT.
- NO JOB WILL BE CONSIDERED COMPLETE UNTIL ALL CURBS, PAVEMENT, AND SIDEWALKS HAVE BEEN SWEEPED CLEAN OF ALL DIRT AND DEBRIS. ALL WATER SERVICE METER BOXES SHALL BE SET TO HAVE THE TOP OF THE BOX ELEVATION MATCH TOP OF SIDEWALK ELEVATION.
- ALL SLEEVING INSTALLED UNDER NEW STREETS SHALL BE DONE WITH SCH 80 PVC SLEEVING CONDUIT UNLESS OTHERWISE SPECIFIED.
- NO GRINDING OF CONCRETE IS ALLOWED IN THE CITY OF BUCKEYE. REVERSE FLOW IN CURB GUTTER, AND VALLEY GUTTERS WILL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
- ALL JOINTS SHALL BE TACK COATED WITH A MINIMUM OF 95% COVERAGE OF THE JOINT.
- CONCRETE REPAIR WILL NOT BE ALLOWED IN THE CITY OF BUCKEYE. ALL DAMAGED CONCRETE SHALL BE REMOVED AND REPLACED TO THE NEAREST JOINT.
- ALL ASPHALT JOINTS SHALL BE SEALED PRIOR TO THE FINAL WALK THROUGH.
- FIBER MESH IS REQUIRED IN ALL CONCRETE APRONS AND VALLEY GUTTERS.
- ALL MILLINGS FROM PUBLIC PROJECTS SHALL BE GIVEN TO THE CITY OF BUCKEYE PUBLIC WORKS DEPARTMENT.
- HIGH SPOTS IN ASPHALT SHALL BE REMOVED AND REPLACED. REHEATING OR BURNING OF ASPHALT IS NOT ALLOWED IN BUCKEYE.
- ALL ASPHALT SHALL BE SAW CUT TO A CLEAN TRUE EDGE FOR THE FULL FACE OF THE SECTION PRIOR TO TYING IN. MILLED EDGES WILL BE EVALUATED BY THE CITY INSPECTOR FOR POSSIBLE ACCEPTANCE.
- AN RLS CERTIFIED AS BUILT PLAN OF ALL NEW CONCRETE CURB AND GUTTER, VALLEY GUTTER, DRAINAGE CONTROL STRUCTURES, SURVEY MONUMENT LOCATIONS AND ALL SIGNING AND STRIPING SHALL BE SUBMITTED PRIOR TO ACCEPTANCE OF THE COMPLETED RIGHT OF WAY IMPROVEMENTS.
- ALL IMPROVEMENT WORK SHALL BE APPROVED BY THE CITY INSPECTOR INCLUDING UTILITY ADJUSTMENTS, SURVEY MONUMENTS, SIGN BASES, PARKWAY GRADING, AND ANY REPAIR OR REPLACEMENTS.
- DURING ALL PAVING OPERATIONS AN ADDITIONAL LAB TECHNICIAN SHALL BE LOCATED AT THE ASPHALT PRODUCTION PLANT TO ENSURE APPROVED MATERIAL IS BEING USED IN THE ASPHALT MIX.
- NO NEWLY PAVED STREET CAN BE OPENED TO TRAFFIC WITHOUT APPROVAL OF THE CITY INSPECTOR.
- MATERIAL USED IN THE ASPHALT PROVIDED TO THE CITY SHALL BE 100% VIRGIN FROM AN APPROVED PIT. NO RECYCLED ASPHALT IS ALLOWED IN THE CITY OF BUCKEYE.

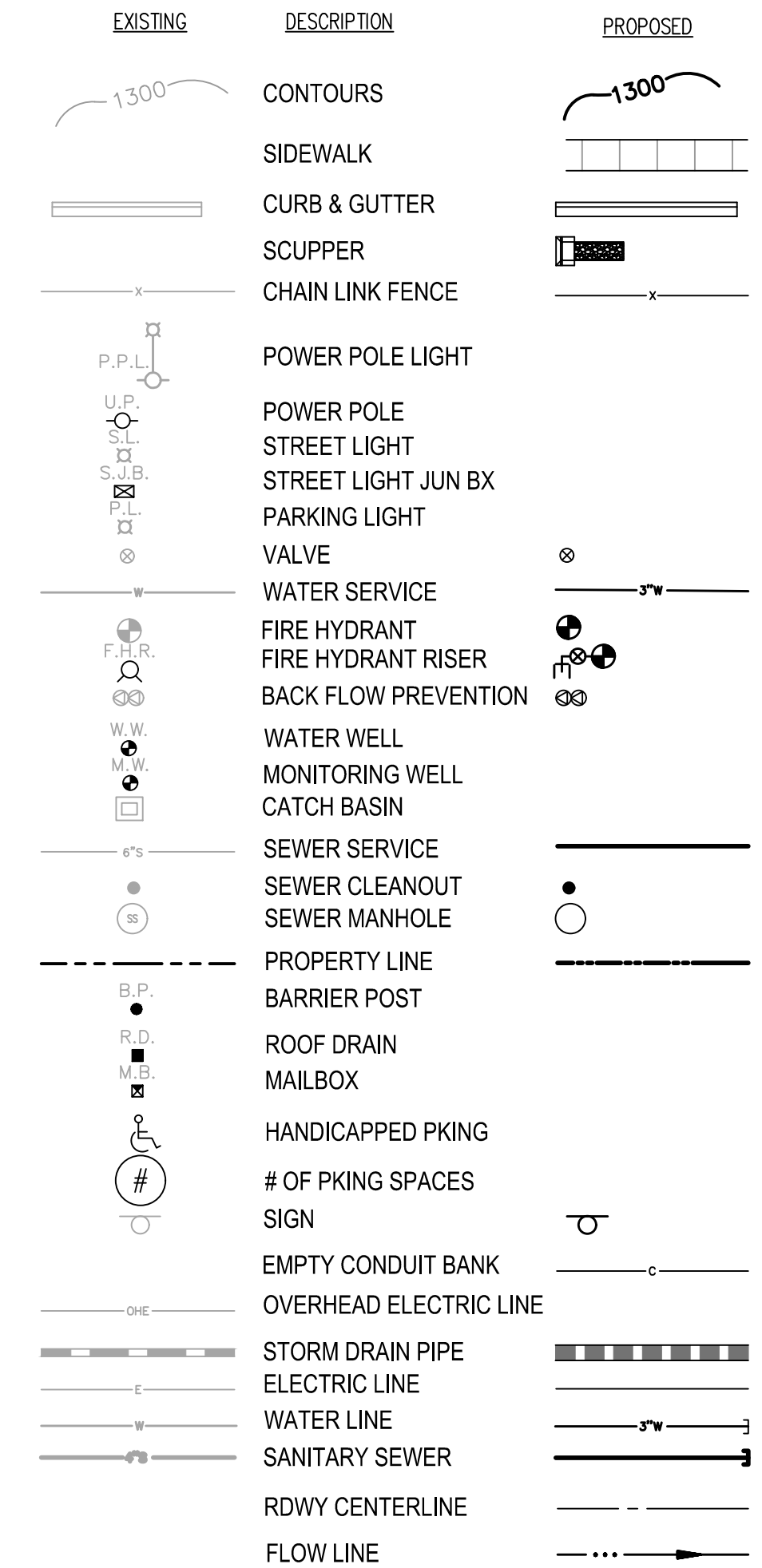
ALL CITY OF BUCKEYE GENERAL NOTES & UTILITY NOTES ARE ACCESSIBLE ON THE CITY'S WEBSITE AT WWW.BUCKEYEAZ.GOV, UNLESS OTHERWISE ATTACHED.



LINE	BEARING	DISTANCE
L1	N0°03'00"W	22.99'
L2	N7°08'29"W	110.68'
L3	N1°00'18"W	200.03'
L4	N0°03'00"W	239.20'
L5	S89°56'28"W	10.00'
L6	N0°03'00"W	58.92'
L7	N1°00'18"W	276.70'
L8	N0°03'00"W	273.73'
L9	S0°03'00"E	297.50'
L10	S0°54'17"W	149.88'
L11	S0°03'00"E	78.64'

CURVE	DELTA	RADIUS	ARC	TANGENT	CHORD
BC1	7°47'59"	35.00'	4.76'	2.39	4.76
BC2	15°13'42"	200.00'	53.16'	26.74	53.00
BC3	14°16'25"	200.00'	49.82'	25.04	49.70
BC4	90°00'32"	40.00'	62.84'	40.01	56.57
BC5	180°00'00"	1.00'	3.14'	INF	2.00
BC6	46°05'34"	50.00'	40.22'	21.27	39.15
BC7	45°08'16"	10.00'	7.88'	4.16	7.68
BC8	23°45'29"	59.50'	24.67'	12.52	24.50
BC9	156°14'31"	0.50'	1.36'	2.38	0.98
BC10	16°47'31"	250.00'	73.27'	36.90	73.01
BC11	17°44'48"	255.00'	78.98'	39.81	78.67

LEGEND



CALL TWO WORKING DAYS BEFORE YOU DIG
602-263-1100
1-800-STAKE-IT
(OUTSIDE MARICOPA COUNTY)

REVISIONS:	
1	
2	
3	
PLAN NAME JACKRABBIT TRAIL/195TH AVE. IMPROVEMENT PLAN NOTES, LEGEND, INDEX MAP LINE & CURVE DATA	
ENGINEER INFORMATION	WOOD PATEL Wood, Patel & Associates, Inc. Civil Engineering Water Resources Land Survey Construction Management 602.335.8500 www.woodpatel.com
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE	LATEST REVISION DATE
2/10/20	
PROJECT NUMBER	SHEET NUMBER
164455.03	2 of 8
SUBMITTAL: ENG-19-10265 COB PERMIT #	

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TC201902215

MCDOT GENERAL NOTES FOR RIGHT-OF-WAY PERMITS

1. ALL WORK SHALL CONFORM TO THE REVISED EDITION OF THE UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION PUBLISHED BY THE MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) AS AUTHORIZED AND MODIFIED BY THE MOST CURRENT MCDOT SUPPLEMENT TO THE MAG UNIFORM STANDARD SPECIFICATIONS AND DETAILS AND NON-CONFLICTING PROJECT SPECIAL PROVISIONS. ALL WORK MUST ALSO COMPLY WITH RESOLUTION 2001-01 MARICOPA COUNTY RESOLUTION FOR PERMITS TO WORK IN DEDICATED RIGHT-OF-WAY AND RESOLUTION 2001-02 MARICOPA COUNTY RESOLUTION FOR STREET IMPROVEMENTS, INSTALLATION OF UTILITIES AND TRAFFIC CONTROL. ANY EXCEPTIONS MUST RECEIVE EXPLICIT APPROVAL FROM MCDOT AND SHALL BE IDENTIFIED ON THE PLANS AS HAVING EXPLICIT APPROVAL FROM MCDOT. ALL CLEAR ZONE HAZARDS SHALL BE MITIGATED IN A MANNER APPROVED BY MCDOT AT NO COST TO THE COUNTY.
2. THE ENGINEERING DESIGNS ON THESE PLANS ARE ONLY APPROVED BY MCDOT IN CONCEPT AND NOT IN DETAIL. CONSTRUCTION QUANTITIES ON THESE PLANS ARE NOT VERIFIED BY MCDOT. APPROVAL OF THESE PLANS ARE FOR PERMIT PURPOSES ONLY AND SHALL NOT PREVENT MCDOT FROM REQUIRING CORRECTION OF ERRORS IN THE PLANS WHERE SUCH ERRORS ARE SUBSEQUENTLY FOUND TO BE IN VIOLATION OF ANY LAW, ORDINANCE, HEALTH, SAFETY, THE MCDOT ROADWAY DESIGN MANUAL, OR OTHER DESIGN ISSUES.
3. AN APPROVED SET OF PLANS SHALL BE ON THE SITE DURING CONSTRUCTION AND AVAILABLE TO MCDOT AND OTHER INSPECTORS.
4. ALL BOX CULVERTS CONSTRUCTED IN THE PUBLIC RIGHT-OF-WAY SHALL COMPLY WITH ARIZONA DEPARTMENT OF TRANSPORTATION (ADOT) LATEST DESIGN SPECIFICATIONS AND STANDARDS. MINIMUM CLEAR HEIGHT OF BOX CULVERT SHALL BE 4 FEET.
5. CONTRACTOR TO OBTAIN MCDOT PERMITS PRIOR TO CONSTRUCTION WITHIN COUNTY RIGHT-OF-WAY, AND ALL NECESSARY PERMITS FROM OTHER AGENCIES AND FROM LOCAL GOVERNMENTS FOR WORK WITHIN THEIR JURISDICTION.
6. CONTRACTOR SHALL NOTIFY THE MCDOT INSPECTION DEPT. AT LEAST 24 HOURS IN ADVANCE OF ANY CONSTRUCTION AT (602) 506-8606.
7. CONTRACTOR PERFORMING CONSTRUCTION OR EXCAVATING OPERATIONS IS RESPONSIBLE FOR LOCATING AND RELOCATING ALL UTILITIES IN CONFLICT AT NO EXPENSE TO MARICOPA COUNTY. THE CONTRACTOR SHALL CONTACT 'BLUE STAKE' AT (602) 263-1100 PRIOR TO BEGINNING CONSTRUCTION.
8. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY REQUIRED PERMITS FOR EARTH MOVING FROM MARICOPA COUNTY AIR QUALITY DEPARTMENT'S DUST COMPLIANCE DIVISION (602) 506-6010 PRIOR TO CONDUCTING EXCAVATION OPERATIONS. A COPY OF THE PERMIT AND DUST CONTROL PLAN SHALL BE SUBMITTED TO THE COUNTY ENGINEER PRIOR TO COMMENCEMENT OF ANY EARTHMOVING ACTIVITIES.
9. PRIOR TO CONDUCTING EXCAVATION OPERATIONS, THE CONTRACTOR SHALL OBTAIN FROM THE ARIZONA STATE HISTORICAL PRESERVATION OFFICER (602) 542-4009, RECOMMENDATIONS REGARDING THE NEED FOR CULTURAL RESOURCES (ARCHAEOLOGICAL) CLEARANCE. ALL DISCOVERIES OF HUMAN REMAINS, CULTURAL ARTIFACTS, OR PALEONTOLOGICAL REMAINS SHALL BE REPORTED TO THE ARIZONA STATE MUSEUM AND MCDOT. UPON DISCOVERY, CONTRACTOR SHALL CEASE OPERATIONS IN THE VICINITY OF THE FIND AND PROTECT THE DISCOVERY AREA FROM FURTHER DISTURBANCE UNTIL THE FIND CAN BE PROFESSIONALLY INVESTIGATED BY THE ARIZONA STATE MUSEUM AND MCDOT.
10. EXCEPT UNDER EMERGENCY CONDITIONS, ROADS SHALL NOT BE CLOSED FOR CONSTRUCTION ACTIVITY UNLESS PRIOR APPROVAL IS OBTAINED FROM THE MCDOT TRANSPORTATION DIRECTOR OR HIS REPRESENTATIVE.
11. TO MOVING OR DESTROYING PROTECTED NATIVE PLANT SPECIES, THE CONTRACTOR SHALL FILE A FORMAL NOTICE OF INTENT WITH THE ARIZONA DEPARTMENT OF AGRICULTURE NATIVE PLANTS (602) 542-6408.
12. PRIOR TO INSTALLATION OF CURB, GUTTER, SIDEWALK, BASE COURSE AND WEARING SURFACE, SUBMIT SOIL TEST(S) OF SUBGRADE AND REVISED PAVEMENT DESIGN/CALCULATIONS TO MCDOT FOR REVIEW AND APPROVAL. IF SUBGRADE STABILIZATION IS REQUIRED, THE AREA STABILIZED SHALL BE FROM BACK OF SIDEWALK TO BACK OF SIDEWALK AND MATCH THE STABILIZATION DEPTH OF THE PAVEMENT STRUCTURE.
13. ASPHALT MIX DESIGN SHALL BE SUBMITTED TO MCDOT A MINIMUM OF 48 HOURS PRIOR TO PLACING ANY ASPHALT COURSES. (TRENCH WORK EXCLUDED.) ALL PAVED TURNOUTS SHALL HAVE THE SAME ASPHALT AND BASE REQUIREMENTS AS THE ADJACENT ROADWAY UNLESS NOTED OTHERWISE.
14. ALL COMPACTION AND BACKFILL WITHIN COUNTY RIGHT-OF-WAY SHALL CONFORM TO THE MCDOT SUPPLEMENT TO MAG SPECIFICATION SECTION 601. BACKFILL UNDER EXISTING PAVEMENT, CURB AND GUTTER, ROADWAY SHOULDERS, AND UNPAVED ROADWAYS SHALL CONSIST OF ONE-HALF (1/2) OR ONE SACK CLSM. UNPAVED ROADWAY AREAS INCLUDE THE TRAVELLED WAY PLUS FIVE FEET BEYOND THE TRAVELLED WAY.
15. ALL STRUCTURES, SUCH AS MANHOLES, VALVE BOX & COVERS, AND MONITORING WELLS MUST BE MARKED WITH AT LEAST TWO REFLECTIVE YELLOW FLEX POSTS WHEN STRUCTURES ARE LOCATED OUTSIDE THE TRAVELED WAY AND WITHIN THE RIGHT-OF-WAY. (APPLIES ONLY WHEN THERE IS NO CURB.)
16. PAVEMENT WIDENING AND PAVEMENT REPLACEMENT SHALL CONFORM TO REQUIREMENTS OF SPECIFICATION SECTION 336. PAVEMENT CUTS SHALL NOT BE LOCATED WITHIN A LANE WHEEL PATH. THE LANE WHEEL PATH IS THE ENTIRE LANE WIDTH EXCEPT THE AREA WITHIN ONE FOOT OF A LANE LINE STRIPE AND EXCEPT THE CENTER TWO FEET OF THE TRAVEL LANE.
17. ALL EXISTING PAVEMENT MARKINGS, TRAFFIC SIGNS AND SIGNAL EQUIPMENT THAT NEED TO BE REMOVED, REPLACED, RELOCATED OR REPAIRED BECAUSE OF CONTRACTOR'S WORK WILL BE DONE BY THE CONTRACTOR AT HIS EXPENSE. ALL SALVAGED SIGNS SHALL BE DELIVERED TO THE TRAFFIC OPS BUILDING AT 2909 W. DURANGO ST. ARRANGEMENTS CAN BE MADE FOR DELIVERY BY CALLING (602) 506-8662. ALL NEW STREET NAME SIGNS SHALL BE PROVIDED AND INSTALLED BY PERMITTEE AT NO EXPENSE TO MARICOPA COUNTY.
18. PAVEMENT MARKING, SIGNING AND SIGNAL WORK WILL BE INSPECTED AND SHALL MEET COUNTY STANDARDS BEFORE RELEASE OF BOND.
19. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS WITHIN THE RIGHT-OF-WAY TO A CONDITION EQUAL TO OR BETTER THAN PRIOR EXISTING CONDITIONS PER MAG 107.9. DISPOSAL OF ALL WASTE MATERIAL WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.



REVISIONS:	
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PLAN NAME JACKRABBIT TRAIL/195TH AVE. IMPROVEMENT PLAN	
ROW PERMIT GENERAL NOTES	
ENGINEER INFORMATION	WOOD PATEL Wood, Patel & Associates, Inc. Civil Engineering Water Resources Land Survey Construction Management 602.335.8500 www.woodpatel.com
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE	LATEST REVISION DATE
PROJECT NUMBER	SHEET NUMBER

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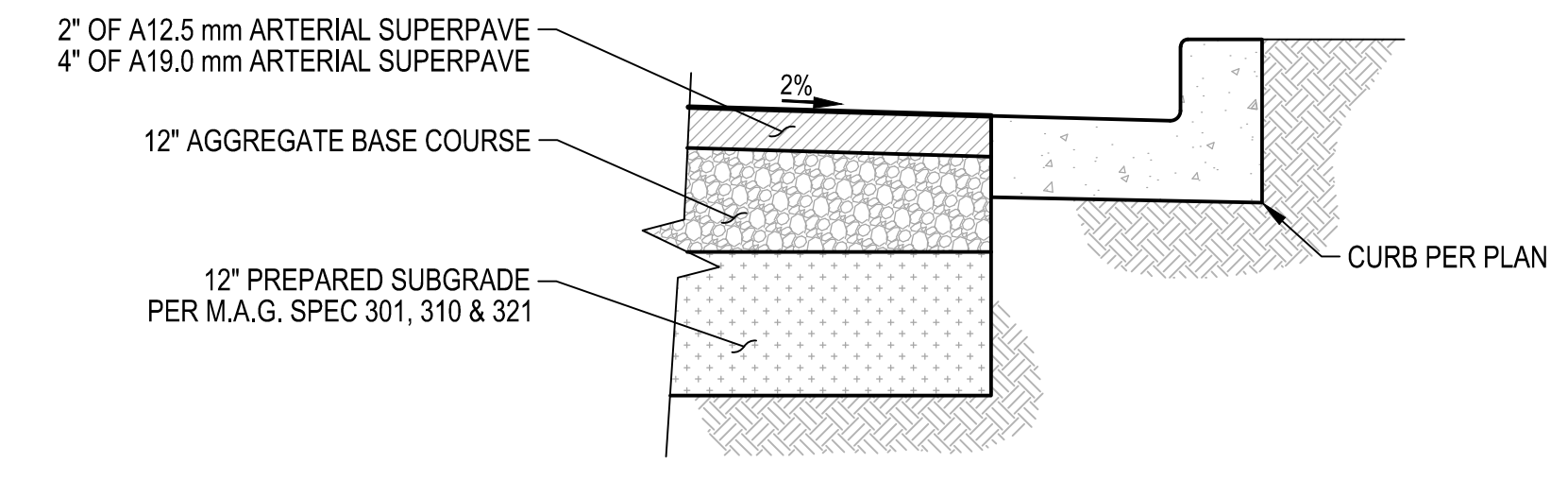
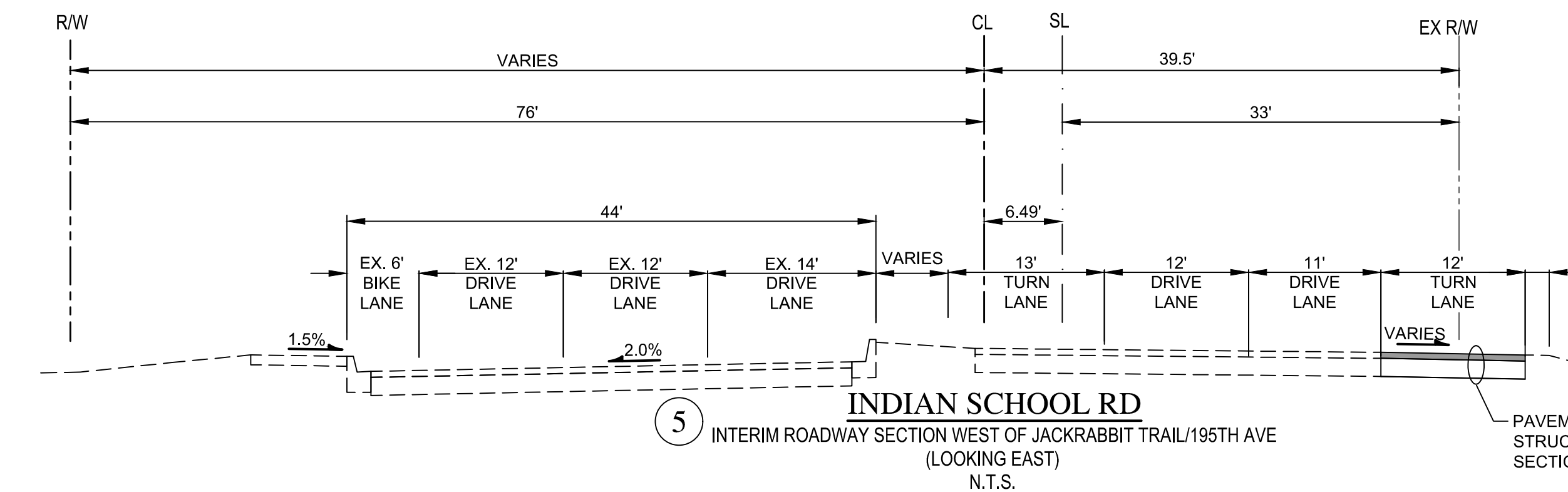
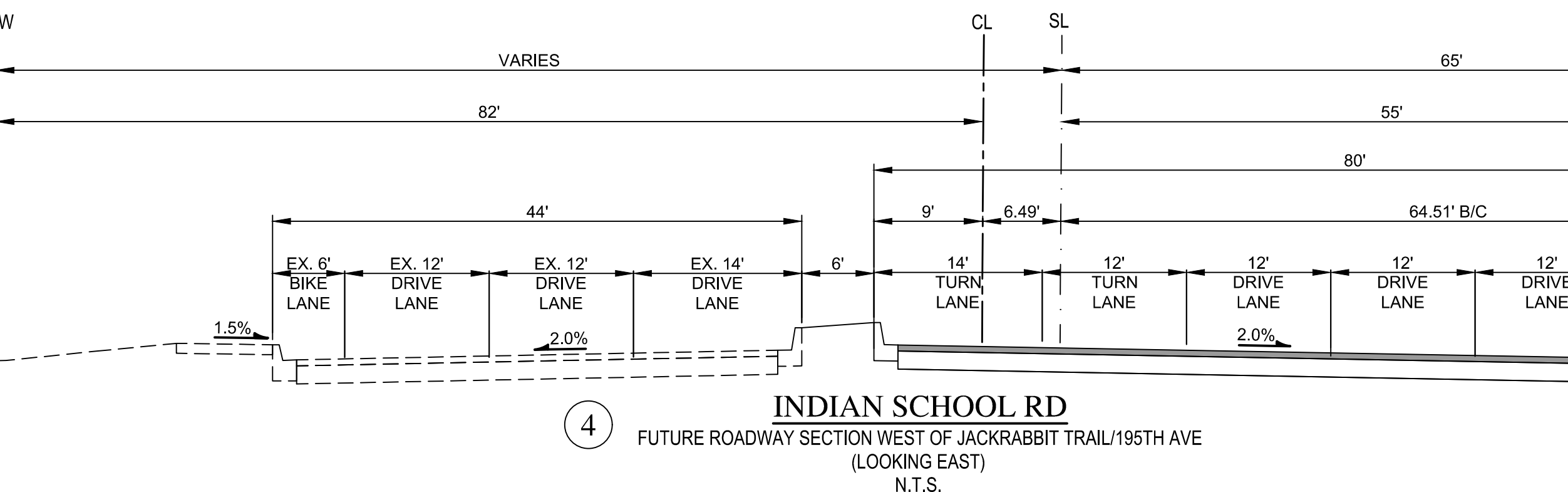
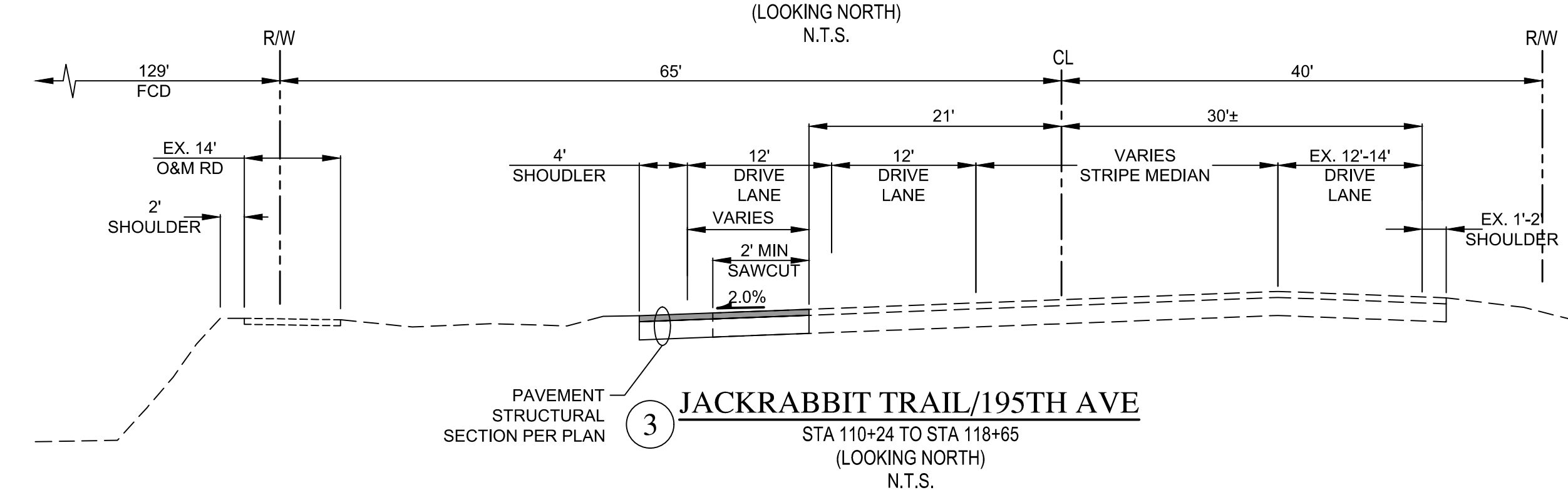
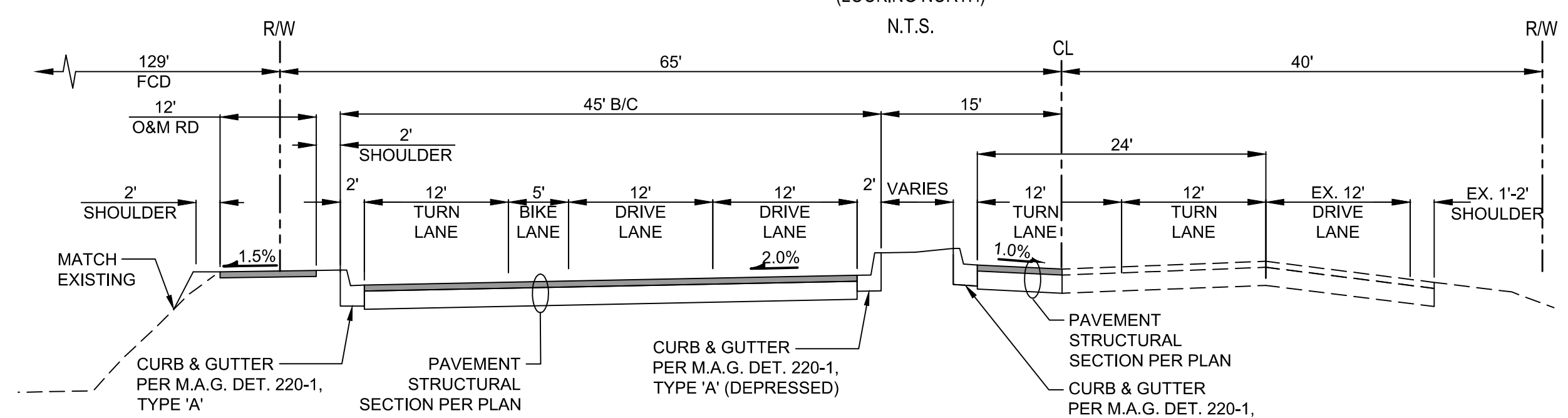
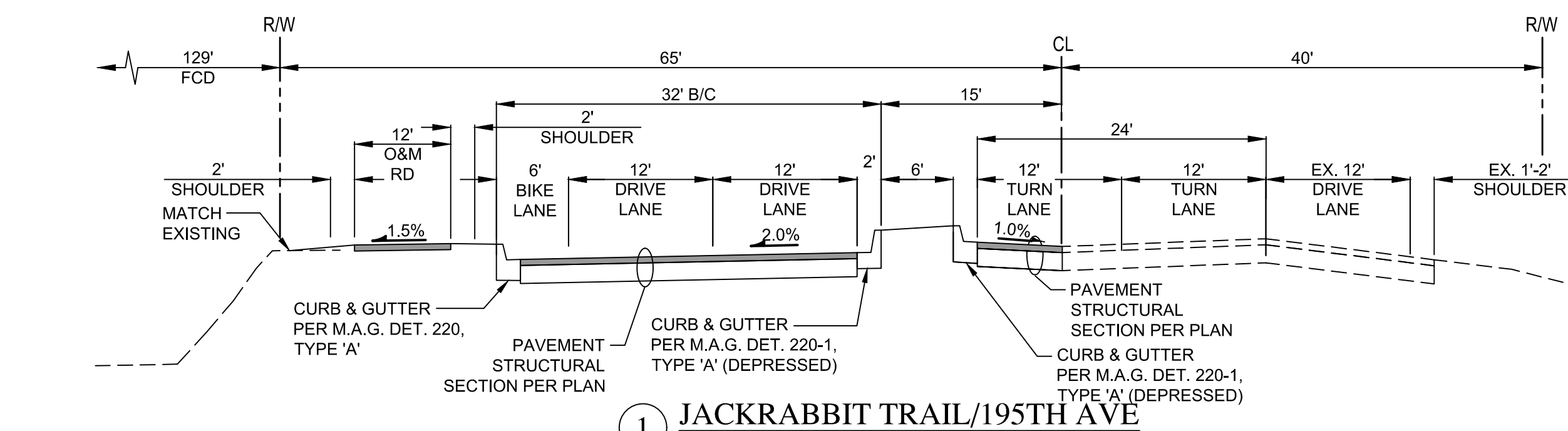
COB PLAN TRACKING # ENG-19-10265

COB PERMIT #

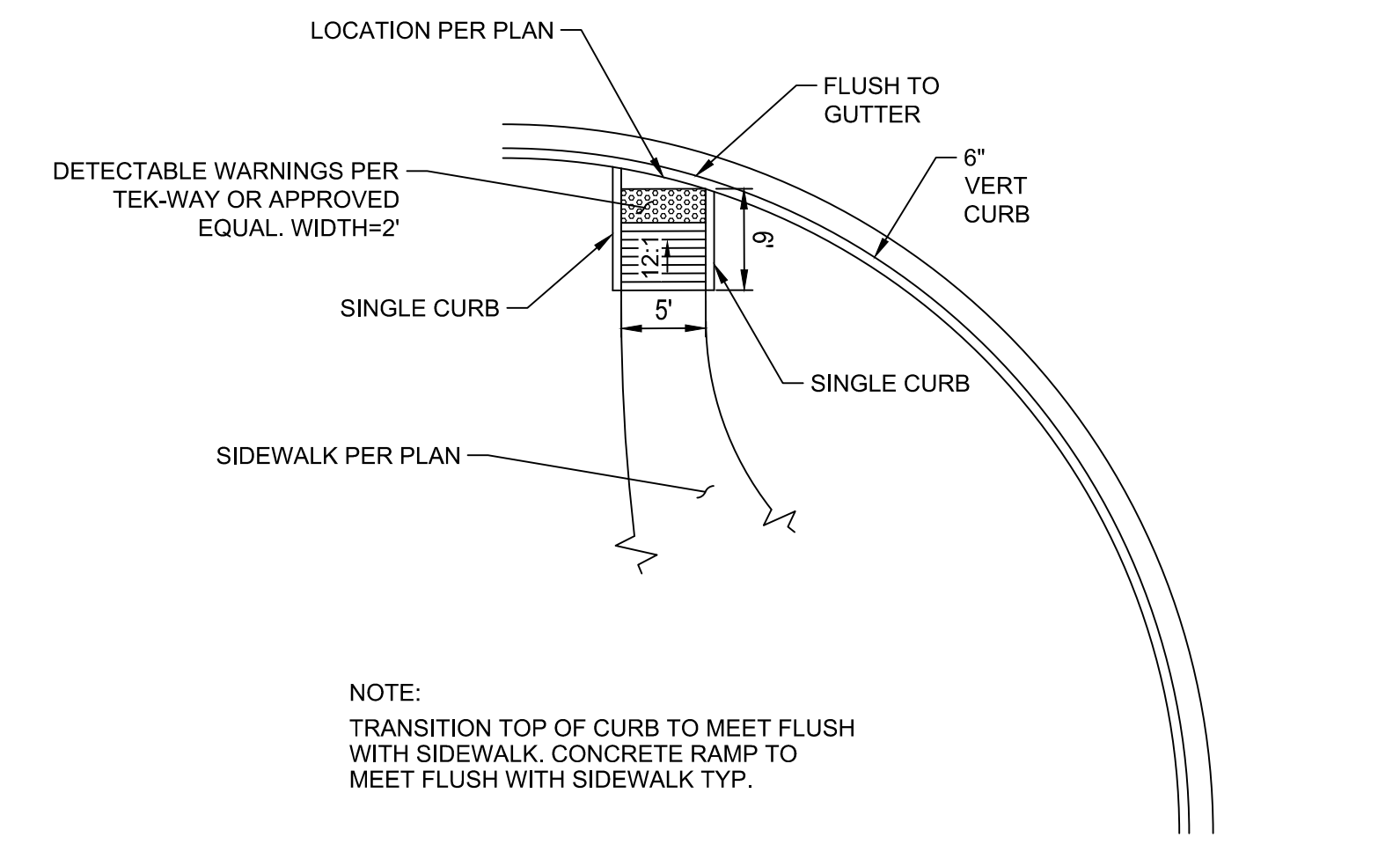
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LIST OF ABBREVIATIONS

ACRES FEET	AF	O&M	OPERATIONS AND MAINTENANCE
BACK OF CURB	BC	P.L.	PARKING LIGHT
BARRIER POST	B.P.	P	PAVEMENT ELEVATION
BEGIN CURB RETURN	BCR	PCVC	POINT OF COMPOUND VERTICAL CURVATURE
BEGIN VERTICAL CURB	BVC	PC	POINT OF CURVATURE
BOTTOM OF WALL ELEVATION	BW	PRC	POINT OF REVERSE CURVATURE
CENTER LINE	CL	PRVC	POINT OF REVERSE VERT. CURVATURE
CLEAN OUT	C/O	PT	POINT OF TANGENCY
CONCRETE ELEVATION	C.E.	PVI	POINT OF VERTICAL INTERSECTION
CUBIC FEET	C.F.	PCC	POINT ON COMPOUND CURVATURE
CURB OPENING	C.O.	POC	POINT ON CURVE
EDGE OF PAVEMENT	EP	POL	POINT ON LINE
ELECTRIC JUNCTION BOX	E.J.B.	P.P.	POWER POLE
ELECTRIC METER	E.M.	P.A.E.	PRIVATE ACCESS EASEMENT
ELECTRIC OUTLET	E.O.	P.L.	PROPERTY LINE
ELECTRIC EASEMENT	E.E.	P.E.	PUBLIC EASEMENT
EMERGENCY SERVICE VEH ACCESS ESMT	E.S.V.A.E.	P.U.E.	PUBLIC UTILITY EASEMENT
END CURB RETURN	ECR	R/W	RIGHT OF WAY
END VERTICAL CURB	EVC	R.D.	ROOF DRAIN
EXISTING GROUND	E.G.	RIM	RIM
FEET PER FOOT	FT/FT	SMH	SEWER MANHOLE
FINISHED FLOOR	FF	SS	SEWER SERVICE
FINISHED GROUND	FG	S.W.E.	SIDEWALK EASEMENT
FINISHED PAD ELEVATION	F.P.E.	S	STATIONS
FIRE HYDRANT	F.H.	STA	SLOPE
FLOW LINE ELEVATION	FL	S.D.E.	STORM DRAIN EASEMENT
GAS METER	G.M.	SDMH	STORM DRAIN MANHOLE
GAS SERVICE	GS	S.L.	STREET LIGHT
GAS VALVE	G.V.	SL	SECTION LINE
GRADE BREAK	GB	S.J.B.	STREETLIGHT JUNCTION BOX
GRADING RIDGE	RIDGE	TOB	TOP OF BANK
GREASE TRAP	G.T.	TC	TOP OF CURB ELEVATION
GUTTER ELEVATION	G.E.	VG	VALLEY GUTTER
HIGH WATER ELEVATION	H.W.E.	VC	VERTICAL CURVE
INTERSECTION	INT	V	VOLUME PROVIDED
INVERT ELEVATION	INV	V _r	VOLUME REQUIRED
IRRIGATION VALVE	I.V.	W.S.	WATER SERVICE
IRRIGATION VALVE BOX	I.V.B.	WSE	WATER SURFACE ELEVATION
LINEAR FEET	L.F.		



**JACKRABBIT TRAIL/195TH AVE & INDIAN SCHOOL RD
PAVEMENT STRUCTURAL SECTION 1**
N.T.S.



**CONCRETE RAMPS AT STREET
INTERSECTION**
N.T.S.

NOTE: TRANSITION TOP OF CURB TO MEET FLUSH WITH SIDEWALK. CONCRETE RAMP TO MEET FLUSH WITH SIDEWALK TYP.

ENGINEER'S NOTES

- MARICOPA ASSOCIATION OF GOVERNMENTS (M.A.G.) UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION INCLUDING LATEST REVISION AND CURRENT SUPPLEMENTALS THEREOF PER THE LOCAL TOWN OR CITY) ARE INCORPORATED INTO THIS PLAN IN THEIR ENTIRETY.
- ALL WORK REQUIRED TO COMPLETE THE CONSTRUCTION COVERED BY THIS PLAN SHALL BE IN ACCORDANCE WITH THE M.A.G. STANDARD SPECIFICATIONS AND DETAILS AND CURRENT SUPPLEMENTS THEREOF PER THE LOCAL CITY OR TOWN UNLESS SPECIFIED OTHERWISE IN THESE PLANS OR ELSEWHERE IN THE CONTRACT DOCUMENTS. CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH ALL REQUIRED STANDARD SPECIFICATIONS, DETAILS AND SUPPLEMENTS PRIOR TO BIDDING THE WORK FOR THE CONSTRUCTION COVERED BY THIS PLAN.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL METHODS, SEQUENCING, AND SAFETY CONCERNS ASSOCIATED WITH THIS PROJECT DURING CONSTRUCTION, UNLESS SPECIFICALLY ADDRESSED OTHERWISE IN THIS PLAN OR ELSEWHERE IN THE CONTRACT.
- THE CONTRACTOR IS TO COMPLY WITH ALL LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS APPLICABLE TO THE CONSTRUCTION COVERED BY THIS PLAN.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND COMPLYING WITH ALL PERMITS REQUIRED TO COMPLETE ALL WORK COVERED BY THIS PLAN.
- THE QUANTITIES AND SITE CONDITIONS DEPICTED IN THESE PLANS ARE FOR INFORMATIONAL PURPOSES ONLY AND ARE SUBJECT TO ERROR AND OMISSION. CONTRACTORS SHALL SATISFY THEMSELVES AS TO ACTUAL QUANTITIES AND SITE CONDITIONS PRIOR TO BIDDING THE WORK FOR THE CONSTRUCTION COVERED BY THIS PLAN.
- A REASONABLE EFFORT HAS BEEN MADE TO SHOW THE LOCATIONS OF EXISTING UNDERGROUND FACILITIES AND UTILITIES IN THE CONSTRUCTION AREA. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UTILITIES AND/OR FACILITIES CAUSED DURING THEIR CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL CALL 48 HOURS IN ADVANCE FOR BLUE STAKE (1-800-STAKE-IT) PRIOR TO ANY EXCAVATION.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION OF CONSTRUCTION AFFECTING UTILITIES AND THE COORDINATION OF ANY NECESSARY UTILITY RELOCATION WORK.
- ALL PAVING, GRADING, EXCAVATION, TRENCHING, PIPE BEDDING, CUT FILL AND BACKFILL SHALL COMPLY WITH THE RECOMMENDATIONS SET FORTH IN THE SOILS (GEOTECHNICAL) REPORT FOR THIS PROJECT IN ADDITION TO THE REFERENCED REQUIRED SPECIFICATIONS AND DETAILS. GENERAL BACKFILL WITHIN THE FLOOD CONTROL DISTRICT (DISTRICT) RIGHTS-OF-WAY JURISDICTION SHALL CONFORM TO THE DISTRICT'S MINIMUM REQUIREMENTS WHICH ARE: BACKFILL MUST BE PLACED IN 6-INCH LIFTS AND COMPACTED TO AT LEAST 95% OF STANDARD PROCTOR WITH COMPACTION TESTS ON EVERY OTHER LIFT. 1-SACK CLSM SLURRY CAN BE USED INSTEAD OF COMPACTED BACKFILL.
- THE CONTRACTOR SHALL BE AWARE THAT CERTAIN UTILITIES REQUIRE PROPER ATTENTION AND CAREFUL PLANNING DURING SITE CONSTRUCTION. PLEASE NOTE THAT UTILITIES ON THESE PLANS MAY NOT EXHIBIT THE FULL PROTECTIVE COVER REQUIRED DURING THE SUBGRADE PREPARATION PHASE OF THE CONSTRUCTION. IN SUCH INSTANCES, THE CONTRACTOR SHALL PROVIDE ADDITIONAL PROTECTION (SUCH AS RAMPING) OR INCREASED PIPE STRENGTH TO PROVIDE THE NECESSARY PROTECTION REQUIRED TO PREVENT DAMAGE DURING THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL HOLD THE ENGINEER HARMLESS IN ALL CASES FOR DAMAGES TO UTILITIES WHERE INADEQUATE PROTECTIVE MEASURES OCCUR.
- THE CONTRACTOR IS TO VERIFY THE LOCATION AND THE ELEVATIONS OF ALL EXISTING UTILITIES AT POINTS OF TIE-IN PRIOR TO COMMENCING ANY NEW CONSTRUCTION. SHOULD ANY LOCATION OR ELEVATION DIFFER FROM THAT SHOWN ON THESE PLANS, THE CONTRACTOR SHALL CONTACT THE OWNER'S AGENT.
- CONTRACTOR TO VERIFY AND COORDINATE ALL DIMENSIONS AND SITE LAYOUT WITH ARCHITECT'S FINAL SITE PLAN AND FINAL BUILDING DIMENSIONS BEFORE STARTING WORK. REPORT DISCREPANCIES TO OWNER'S AGENT.
- COORDINATION BETWEEN ALL PARTIES IS ESSENTIAL PART OF CONTRACT.
- CONTRACTOR IS RESPONSIBLE FOR PROJECT AND SITE CONDITIONS, AND TO WORK WITH WEATHER CONDITIONS AS THE PROJECT SITE MAY BE LOCATED IN A FLOOD PRONE AREA AND SUBJECT TO FLOODING AND ITS HAZARDS.
- THE CONTRACTOR IS TO VERIFY THE LOCATION, ELEVATION, CONDITION, AND PAVEMENT CROSS-SLOPE OF ALL EXISTING SURFACES AT POINTS OF TIE-IN AND MATCHING, PRIOR TO COMMENCEMENT OF GRADING, PAVING, CURB AND GUTTER, OR OTHER SURFACE CONSTRUCTION. SHOULD EXISTING LOCATIONS, ELEVATIONS, CONDITION, OR PAVEMENT CROSS-SLOPE DIFFER FROM THAT SHOWN ON THESE PLANS, RESULTING IN THE DESIGN INTENT REFLECTED ON THESE PLANS NOT ABLE TO BE CONSTRUCTED, THE CONTRACTOR SHALL NOTIFY THE OWNER'S AGENT IMMEDIATELY FOR DIRECTION ON HOW TO PROCEED PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR ACCEPTS RESPONSIBILITY FOR ALL COSTS ASSOCIATED WITH CORRECTIVE ACTION IF THESE PROCEDURES ARE NOT FOLLOWED.
- CONTRACTOR IS RESPONSIBLE TO COORDINATE UTILITY CROSSINGS AT CULVERT CROSSINGS BEFORE STARTING WORK ON CULVERT. COORDINATE WITH OWNER REPRESENTATIVE. VERIFY UTILITY LINES AND/OR CONDUITS ARE IN PLACE BEFORE STARTING CULVERT WORK.
- CONSTRUCT RETENTION BASIN AS SHOWN. CONTRACTOR TO SCARIFY BOTTOM OF BASIN TWO FEET DEEP AND NOT ALLOW COMPACTION OVER 80%.
- THIS PROJECT REQUIRES A REGULAR ONGOING MAINTENANCE PROGRAM FOR THE DESIGNED DRAINAGE SYSTEM(S) TO PRESERVE THE DESIGN INTEGRITY AND THE ABILITY TO PERFORM ITS OPERATIONAL INTENT. FAILURE TO PROVIDE MAINTENANCE WILL JEOPARDIZE THE DRAINAGE SYSTEM(S) PERFORMANCE AND MAY LEAD TO ITS INABILITY TO PERFORM PROPERLY AND/OR CAUSE DAMAGE ELSEWHERE IN THE PROJECT.
- SEWER LINES DESIGNED IN PROFILE AND PUBLIC WATER LINES ARE REQUIRED TO BE ASBUILT AND THE INSTALLATION AND TESTING WITNESSED BY A PROFESSIONAL ENGINEER IN ACCORDANCE WITH ARIZONA ADMINISTRATIVE CODES R18-9-E301 "4.01 GENERAL PERMIT: SEWAGE COLLECTIONS SYSTEMS" AND R18-5-507 AND 508 "APPROVAL OF CONSTRUCTION" AND "RECORD DRAWINGS", RESPECTIVELY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY OWNER 72 HOURS IN ADVANCE WHEN THOSE SYSTEMS ARE READY TO BE WITNESSED.
- THE WORK PRODUCT PRESENTED IS BELIEVED TO BE COMPLIANT WITH THE INTENT OF THE CURRENT AMERICANS DISABILITIES ACT (ADA) REQUIREMENTS AS INTERPRETED BY THE REVIEWING AGENCY(S). IF CONSTRUCTION OF THE PROJECT IS DELAYED, THIS WORK PRODUCT SHOULD BE UPDATED TO ACCOUNT FOR ANY RELEVANT ADA UPDATES BEFORE CONSTRUCTION BEGINS.
- LOWEST FLOOR (LF) REFERS TO EITHER FLOOR/SLAB ELEVATION OR TOP OF BASEMENT SLAB. LF ELEVATIONS ON THE GRADING AND DRAINAGE PLANS FOR RESIDENTIAL UNITS REFLECT SLAB ON GRADE CONDITIONS AND CANNOT BE LOWERED WITHOUT AGENCY APPROVAL IN LOCATIONS WHERE "SPECIAL FLOOD HAZARD AREAS" EXIST. IN NON-FLOOD HAZARD LOCATIONS, TO ENSURE THAT ADEQUATE RESIDENTIAL LOT DRAINAGE CAN BE ACHIEVED, A PROFESSIONAL ENGINEER SHOULD BE CONSULTED IF THE LF FOR THE SLAB IS PROPOSED TO BE LOWERED, OR IF A BASEMENT IS TO BE CONSTRUCTED.



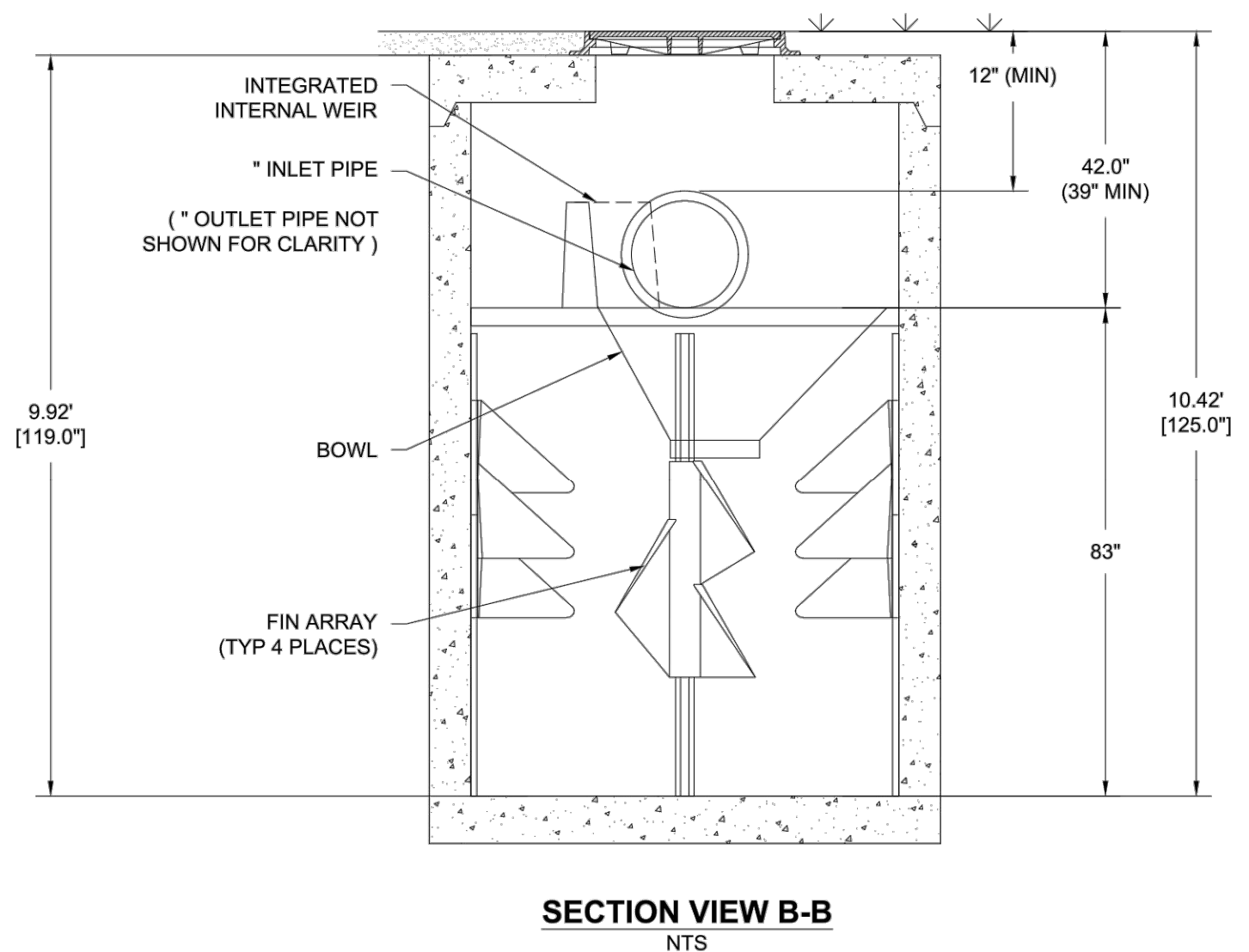
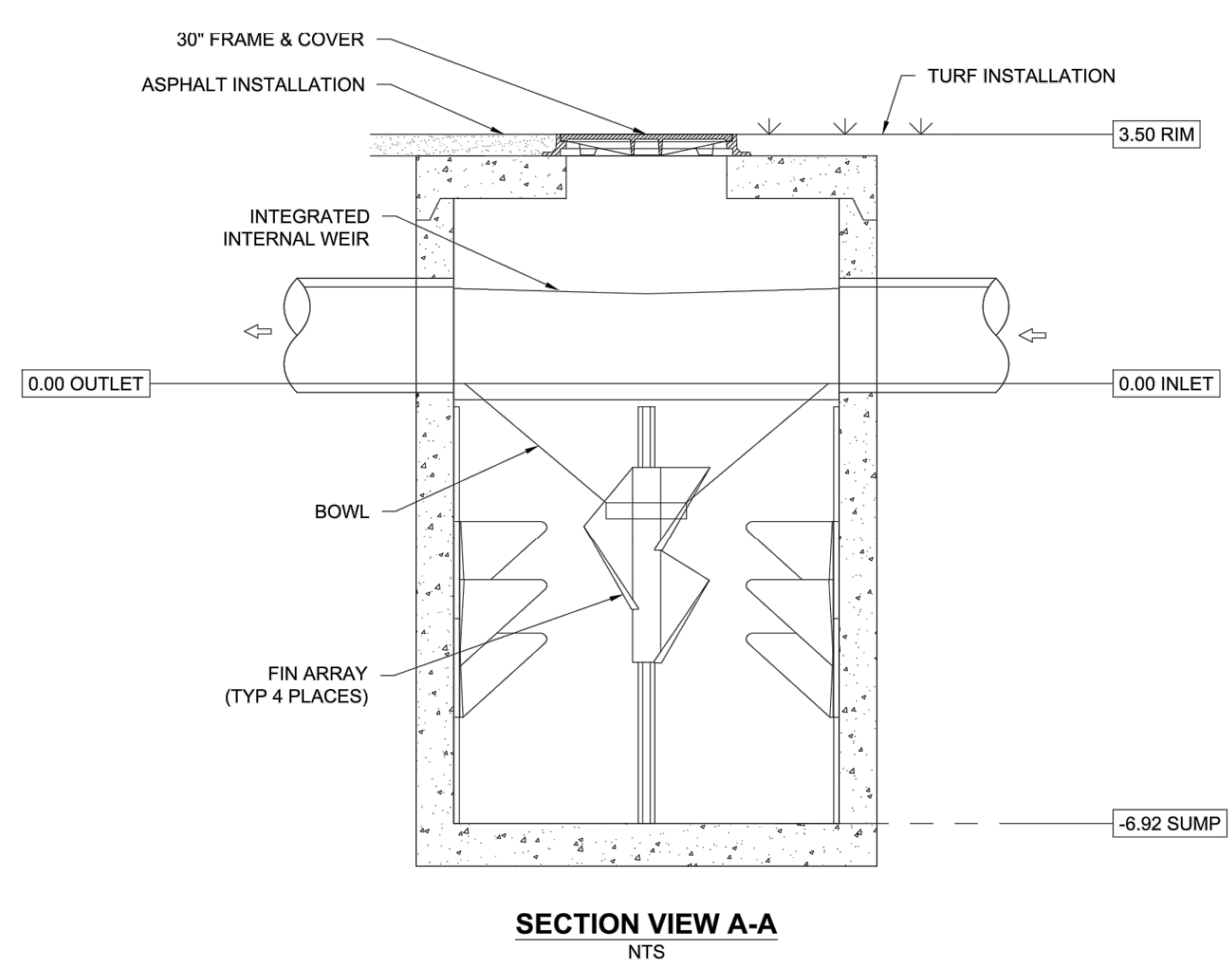
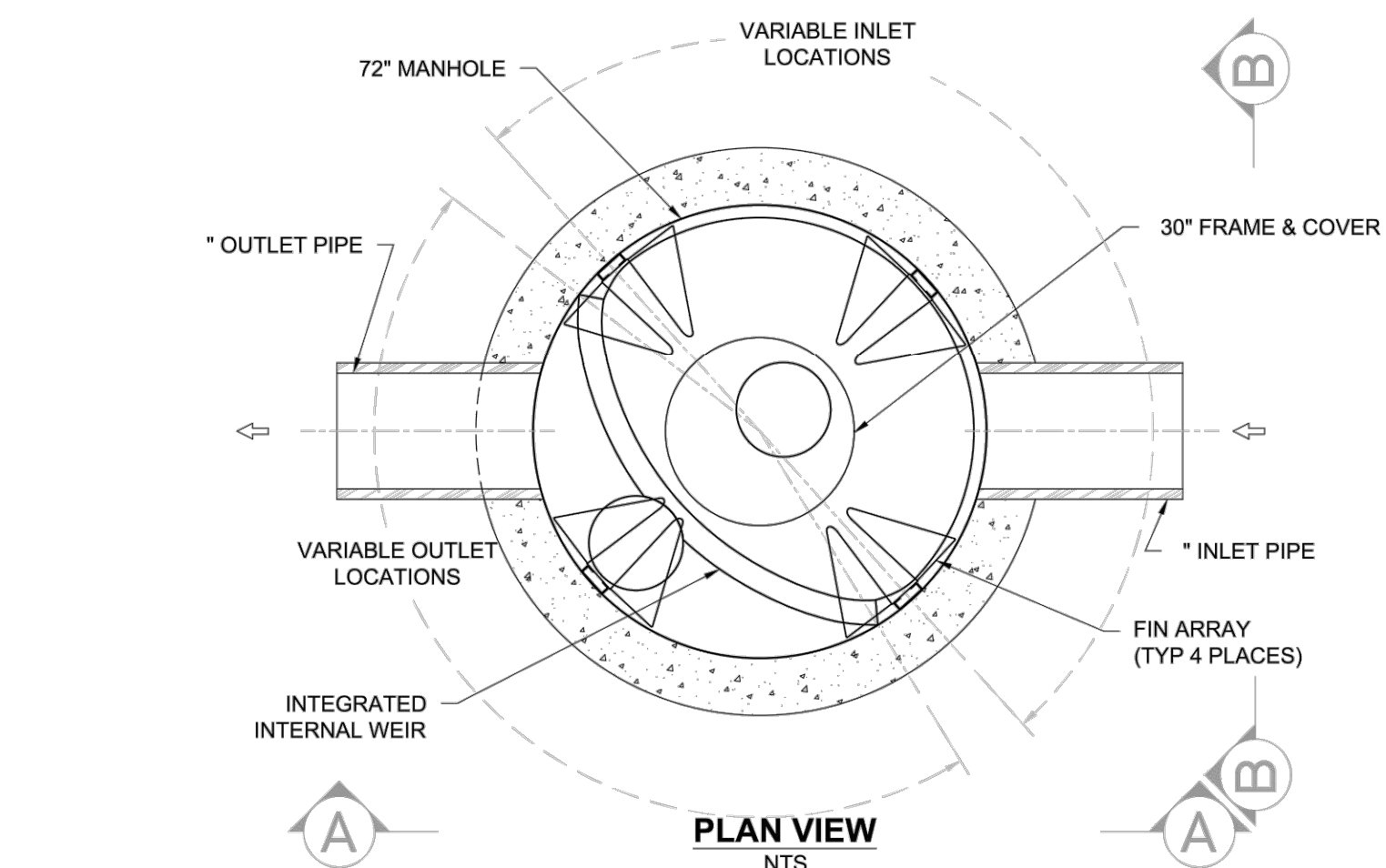
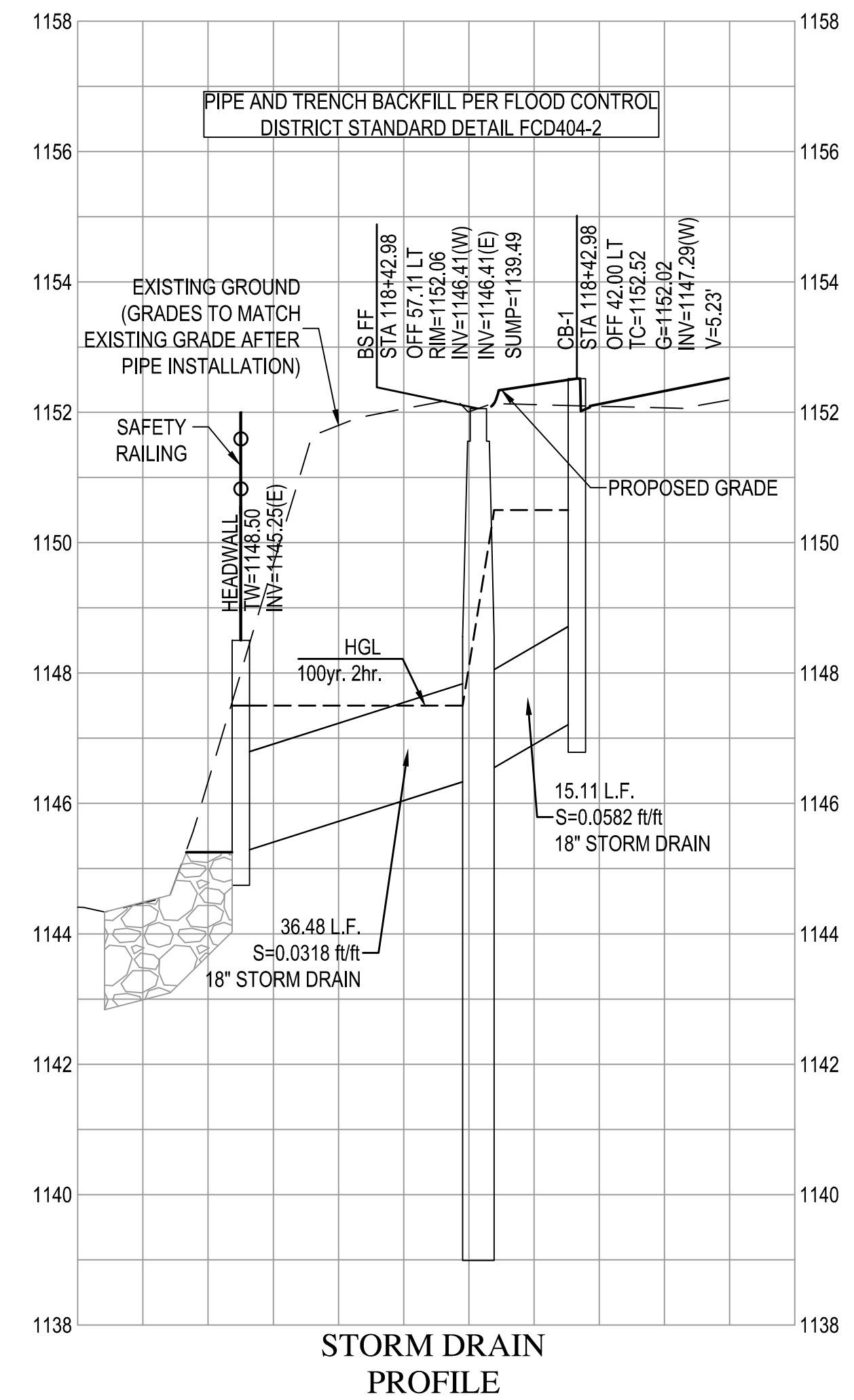
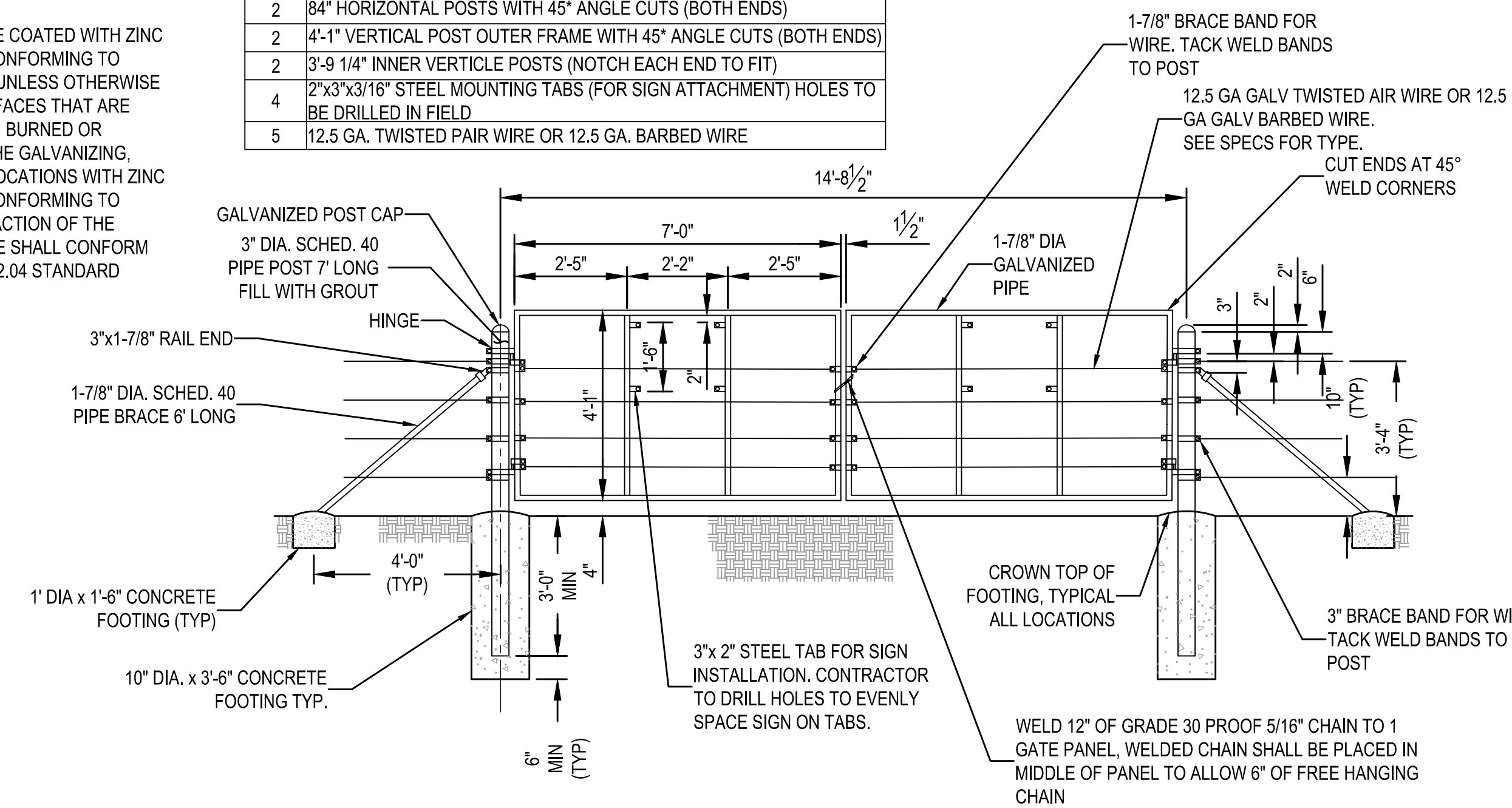
REVISIONS:	
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3	
PLAN NAME JACKRABBIT TRAIL/195TH AVE. IMPROVEMENT PLAN NOTES, CROSS SECTIONS, ABBREVIATIONS & SECTION	
ENGINEER INFORMATION	WOOD PATEL Wood, Patel & Associates, Inc. Civil Engineering Water Resources Land Survey Construction Management 602.335.8500 www.woodpatel.com
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE	LATEST REVISION DATE
2/10/20	
PROJECT NUMBER	SHEET NUMBER
164455.03	4 of 8
SUBMITTAL: ENG-19-10265	
COB PLAN TRACKING # TC201902215	

NOTES

- ALL BOLTS, BRACE BANDS AND HINGES SHALL BE WELDED TO POSTS AND/OR GATE PANELS
- ALL WELDED JOINTS SHALL BE COATED WITH ZINC DUST-ZINC OXIDE COATING CONFORMING TO AASHTO M-36 PER MAG 771.4 UNLESS OTHERWISE SPECIFIED. GALVANIZED SURFACES THAT ARE FIELD OR SHOP CUT, BROKEN, BURNED OR ABRASED, THUS BREAKING THE GALVANIZING, SHALL BE REPAIRED AT ALL LOCATIONS WITH ZINC DUST-ZINC OXIDE COATING CONFORMING TO AASHTO M-36 TO THE SATISFACTION OF THE PROJECT ENGINEER. ALL WIRE SHALL CONFORM TO ADOT SPEC. SECTION 903-2.04 STANDARD FENCING WIRE.

MATERIAL LIST

QTY.	ITEM
2	84" HORIZONTAL POSTS WITH 45° ANGLE CUTS (BOTH ENDS)
2	4'-1" VERTICAL POST OUTER FRAME WITH 45° ANGLE CUTS (BOTH ENDS)
2	3'-9 1/4" INNER VERTICAL POSTS (NOTCH EACH END TO FIT)
4	2"x3"x3/16" STEEL MOUNTING TABS (FOR SIGN ATTACHMENT) HOLES TO BE DRILLED IN FIELD
5	12.5 GA. TWISTED PAIR WIRE OR 12.5 GA. BARBED WIRE



BARRACUDA S6	
UNIT ID	
PEAK FLOW RATE (CFS)	
TREATMENT FLOW RATE (CFS)	

BARRACUDA S6 STANDARD DETAIL

DATE: 12/18/17 DRAWN: EKH CHECKED: ---
PROJECT #:

DESCRIPTION

REV DWG CVD

1030 Deer Hollow Drive
Mount Airy, MD 21771

Barracuda
1-800-545-5469

4640 TRILHMAN BLVD
HILLIARD, OH 43126

ADS
ADVANCED DRAINAGE SYSTEMS, INC.

NOT TO SCALE

THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO AND UNDER THE DIRECTION OF THE SITE DESIGN ENGINEER OR OTHER PROJECT REPRESENTATIVE. THE SITE DESIGN ENGINEER SHALL REVIEW THIS DRAWING PRIOR TO CONSTRUCTION. IT IS THE ULTIMATE RESPONSIBILITY OF THE SITE DESIGN ENGINEER TO ENSURE THAT THE PRODUCTS DEPICTED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.

1 SHEET OF 1

CALL TWO WORKING DAYS BEFORE YOU DIG
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1-800-STAKE-IT
(OUTSIDE MARICOPA COUNTY)

REVISIONS:

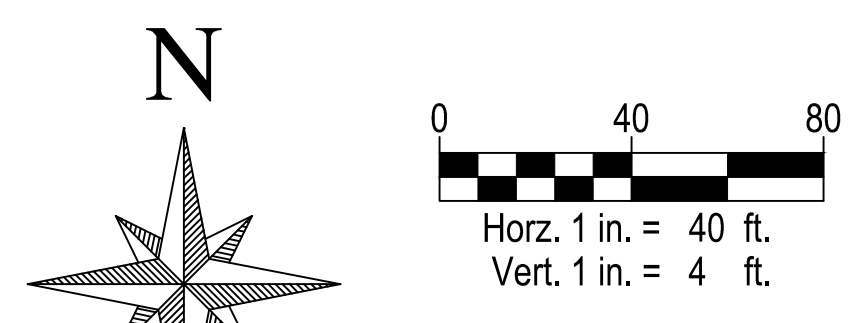
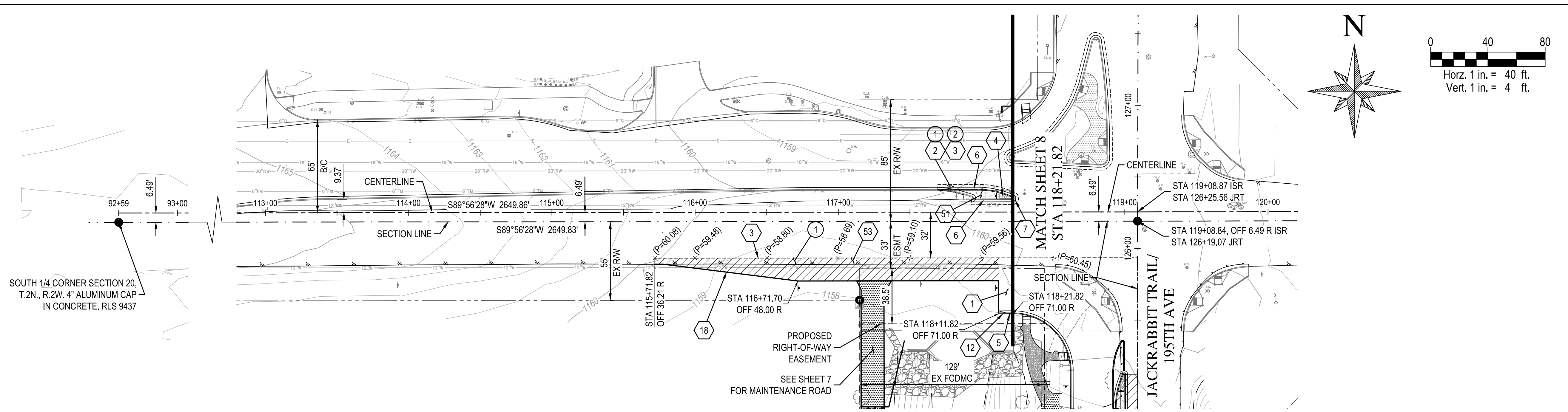
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PLAN NAME: JACKRABBIT TRAIL/195TH AVE. IMPROVEMENT PLAN
DETAIL & STORM DRAIN PROFILE

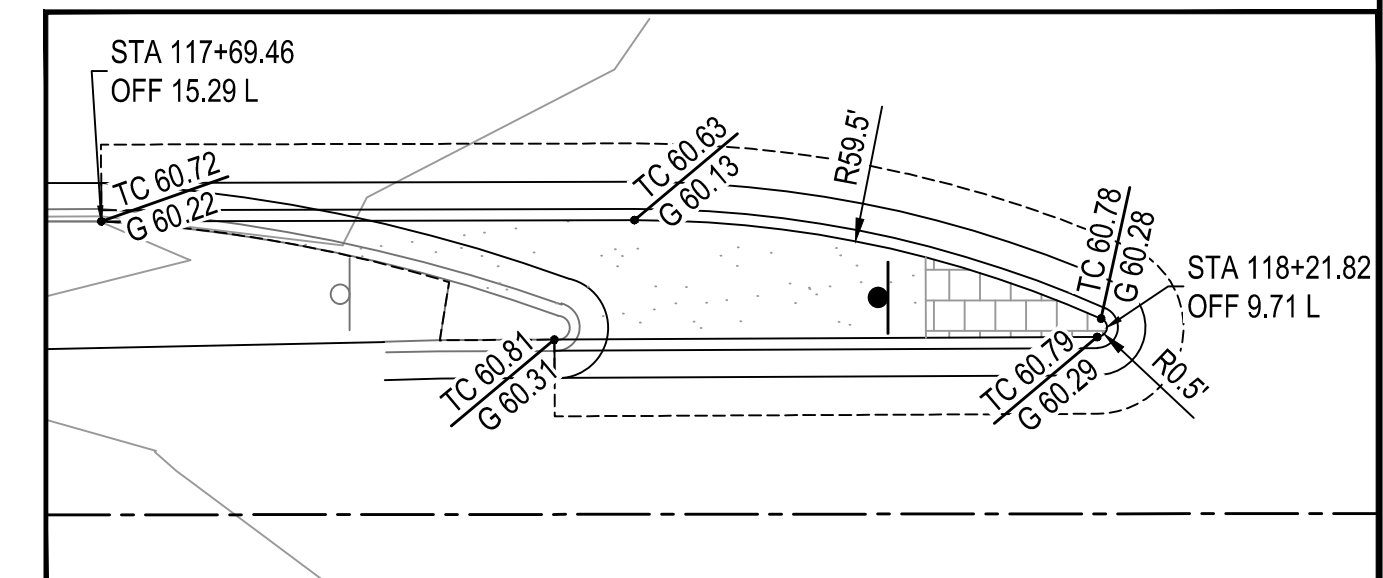
ENGINEER INFORMATION	WOOD PATEL Wood, Patel & Associates, Inc. Civil Engineering Water Resources Land Survey Construction Management 602.335.8500 www.woodpatel.com
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
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PROJECT NUMBER	SHEET NUMBER
164455.03	5 of 8

COB PLAN TRACKING # ENG-19-10265
COB PERMIT #

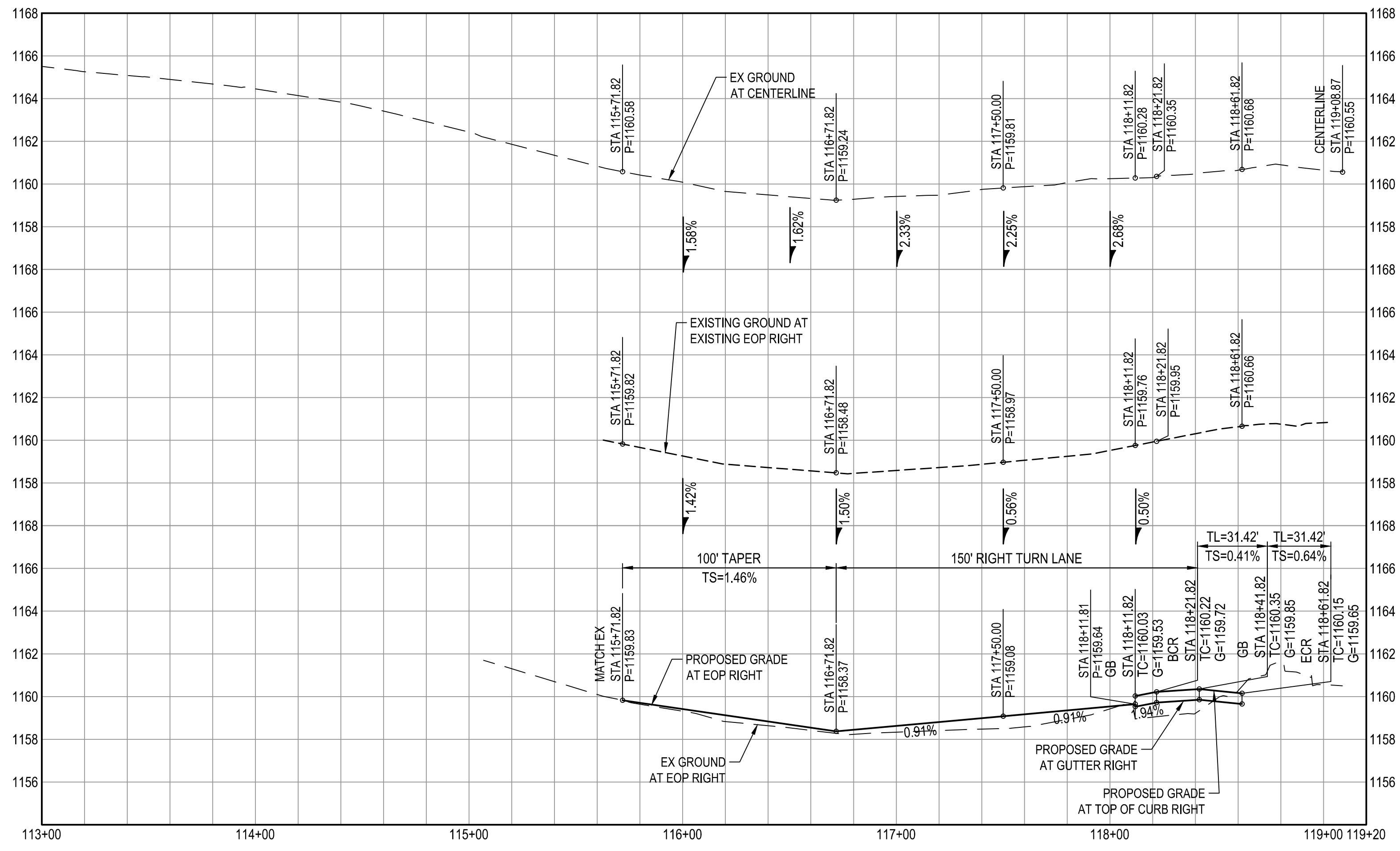
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INDIAN SCHOOL ROAD



MEDIAN NOSE EXTENSION
1"=10'

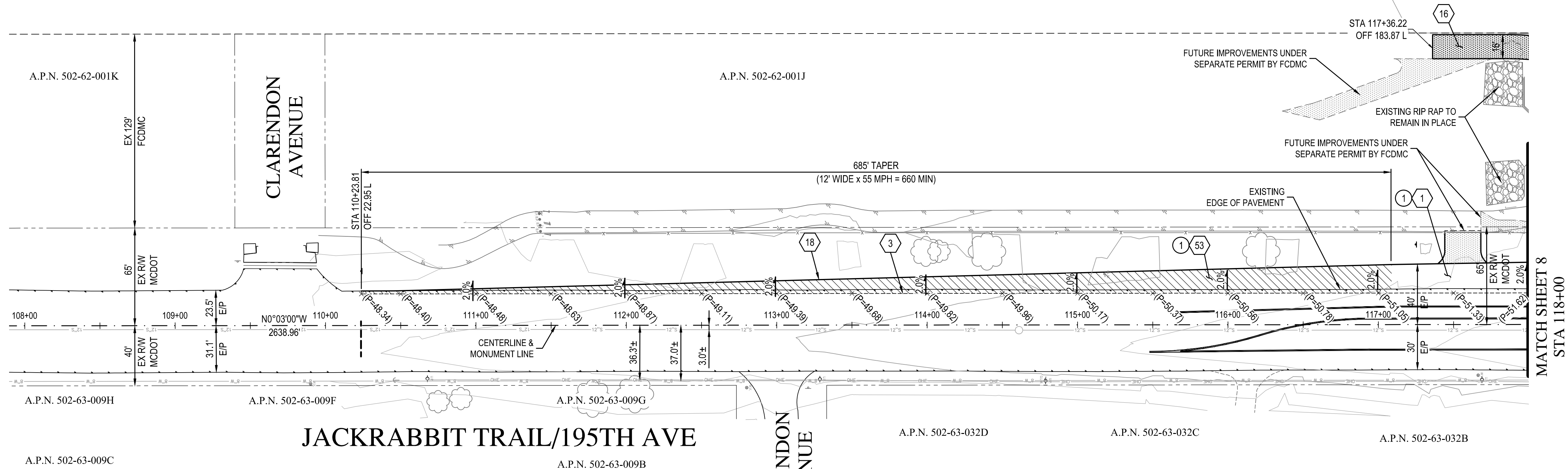


REMOVAL / RELOCATION NOTES	
DESCRIPTION	QUANTITY
1 REMOVE EXISTING ASPHALT PAVEMENT	180 SY
2 REMOVE EXISTING CURB AND GUTTER	30 LF
NEW CONSTRUCTION NOTES	
DESCRIPTION	QUANTITY
1 CONSTRUCT 6" A.C. OVER 12" AGGREGATE BASE COURSE PER MAG SPEC 321 AND PER ROADWAY SECTION ON SHEET 4.	41 SY
2 REPLACE EXISTING PAVEMENT MINIMUM 3-IN OR MATCH IN KIND PER MAG SECTION 321 (2" MIN), TACK & JOIN NEW A.C. PAVEMENT TO EXISTING.	20 SY
3 SAWCUT EXISTING PAVEMENT TO A TRUE AND NEAT LINE (2" MIN.) AND COAT RAW EDGE WITH EMULSIFIED ASPHALT IMMEDIATELY PRIOR TO PLACING NEW PAVEMENT.	245 LF
4 INSTALL BRICK CONCRETE PAVER PER COB STD DET 63206.	25 SF
5 CONSTRUCT 6" VERTICAL CURB & GUTTER PER MAG STD DET 220-1, TYPE "A".	10 LF
6 CONSTRUCT 6" VERTICAL CURB & GUTTER W/ DEPRESSED LIP PER MAG STD DET 220-1, TYPE "A".	82 LF
7 CONSTRUCT MEDIAN NOSE TRANSITION PER COB STD DET 63220.	1 EA
12 CONSTRUCT 5-FT CURB TERMINATION PER MAG STD DET 222.	1 EA
18 CONSTRUCT ASPHALT SAFETY EDGE PER MAG STD DET 201.	262 LF
51 INSTALL DECOMPOSED GRANITE 1" SCREENED PALOMINO GOLD, 2" MIN THICKNESS.	20 SY
53 CONSTRUCT TEMPORARY PAVEMENT SECTION, 3" A.C OVER 10" AGGREGATE BASE COURSE PER MAG SPEC 310 AND 321.	357 SY

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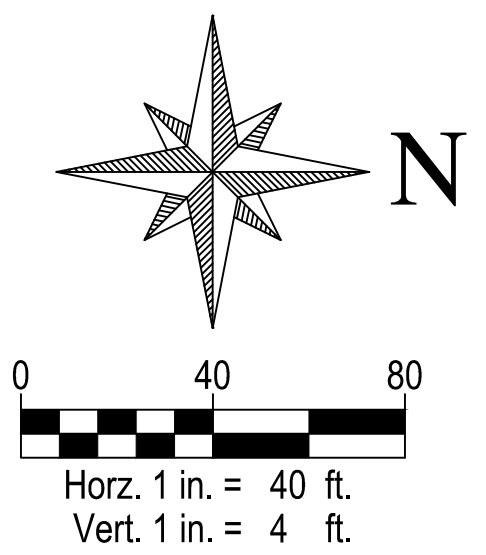
REVISIONS:	
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PLAN NAME JACKRABBIT TRAIL/195TH AVE. IMPROVEMENT PLAN PAVING PLAN & PROFILE	
ENGINEER INFORMATION	WOOD PATEL Wood, Patel & Associates, Inc. Civil Engineering Water Resources Land Survey Construction Management 602.335.8900 www.woodpatel.com
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE	LATEST REVISION DATE
2/10/20	
PROJECT NUMBER	SHEET NUMBER
164455.03	6 of 8
SUBMITTAL:	
COB PLAN TRACKING #	ENG-19-10265
COB PERMIT #	

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REMOVAL / RELOCATION NOTES	
DESCRIPTION	QUANTITY
1 REMOVE EXISTING ASPHALT PAVEMENT AND PROPERLY DISPOSE	172 SY

NEW CONSTRUCTION NOTES	
DESCRIPTION	QUANTITY
1 CONSTRUCT 6" A.C. OVER 12" AGGREGATE BASE COURSE PER MAG SPEC 321 AND PER ROADWAY SECTION ON SHEET 4.	200 SY
3 SAWCUT EXISTING PAVEMENT TO A TRUE AND NEAT LINE (2' MIN.) AND COAT RAW EDGE WITH EMULSIFIED ASPHALT IMMEDIATELY PRIOR TO PLACING NEW PAVEMENT.	776 LF
16 CONSTRUCT 16' WIDE MAINTENANCE ROAD, 16' WIDE OF 2" AC OVER 6" ABC	110 SY
18 CONSTRUCT ASPHALT SAFETY EDGE PER MAG STD DET 201.	776 LF
53 CONSTRUCT TEMPORARY PAVEMENT SECTION, 3' A.C. OVER 10" AGGREGATE BASE COURSE PER MAG SPEC 310 AND 321.	779 SY



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(OUTSIDE MARICOPA COUNTY)

REVISIONS:

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PLAN NAME **JACKRABBIT TRAIL/195TH AVE. IMPROVEMENT PLAN PAVING PLAN & PROFILE**

ENGINEER INFORMATION
WOOD PATEL
 Wood, Patel & Associates, Inc.
 Civil Engineering
 Water Resources
 Land Survey
 Construction Management
 602.335.8500
 www.woodpatel.com

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 COB ENGINEERING APPROVED SEAL

AS-BUILT SEAL
 DESIGN SEAL

ORIGINAL PLAN DATE
2/10/20

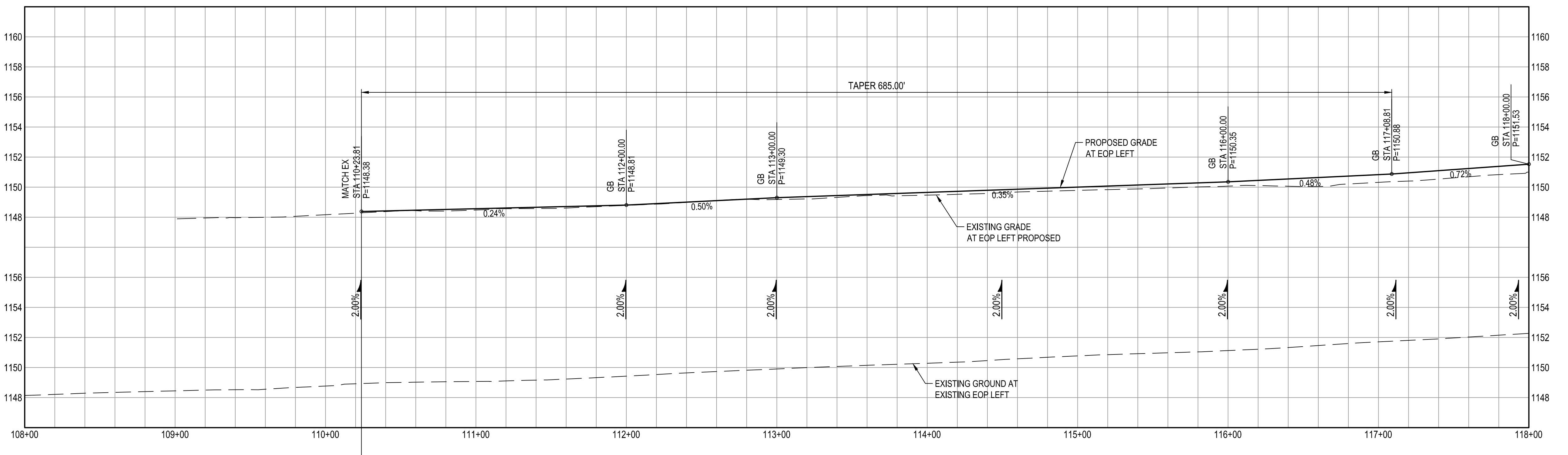
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PROJECT NUMBER
164455.03

SHEET NUMBER
7 of 8

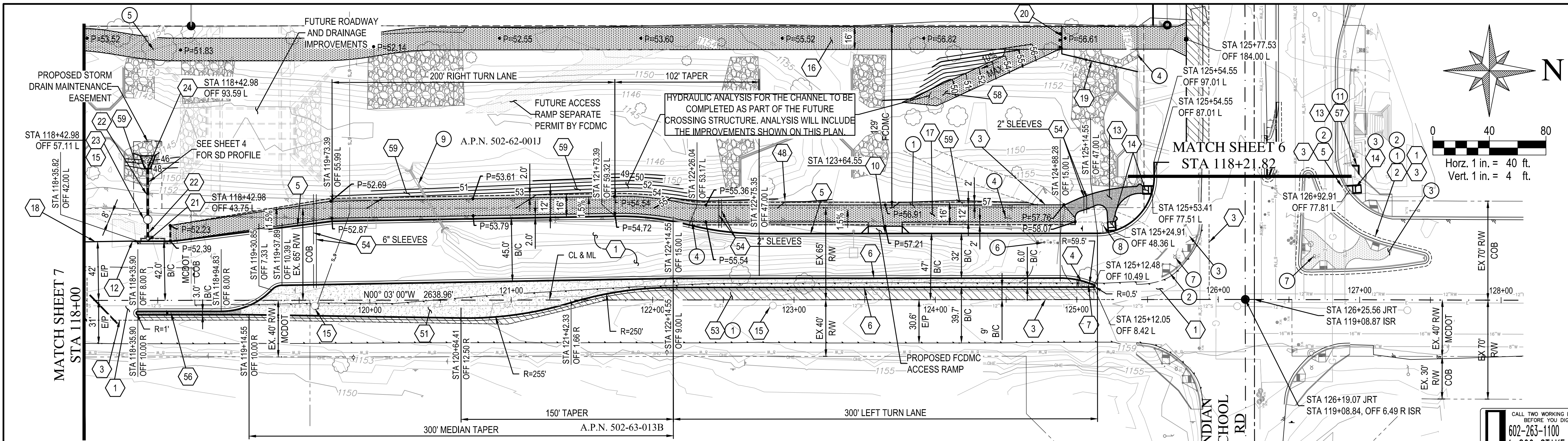
COB PLAN TRACKING #
ENG-19-10265

COB PERMIT #

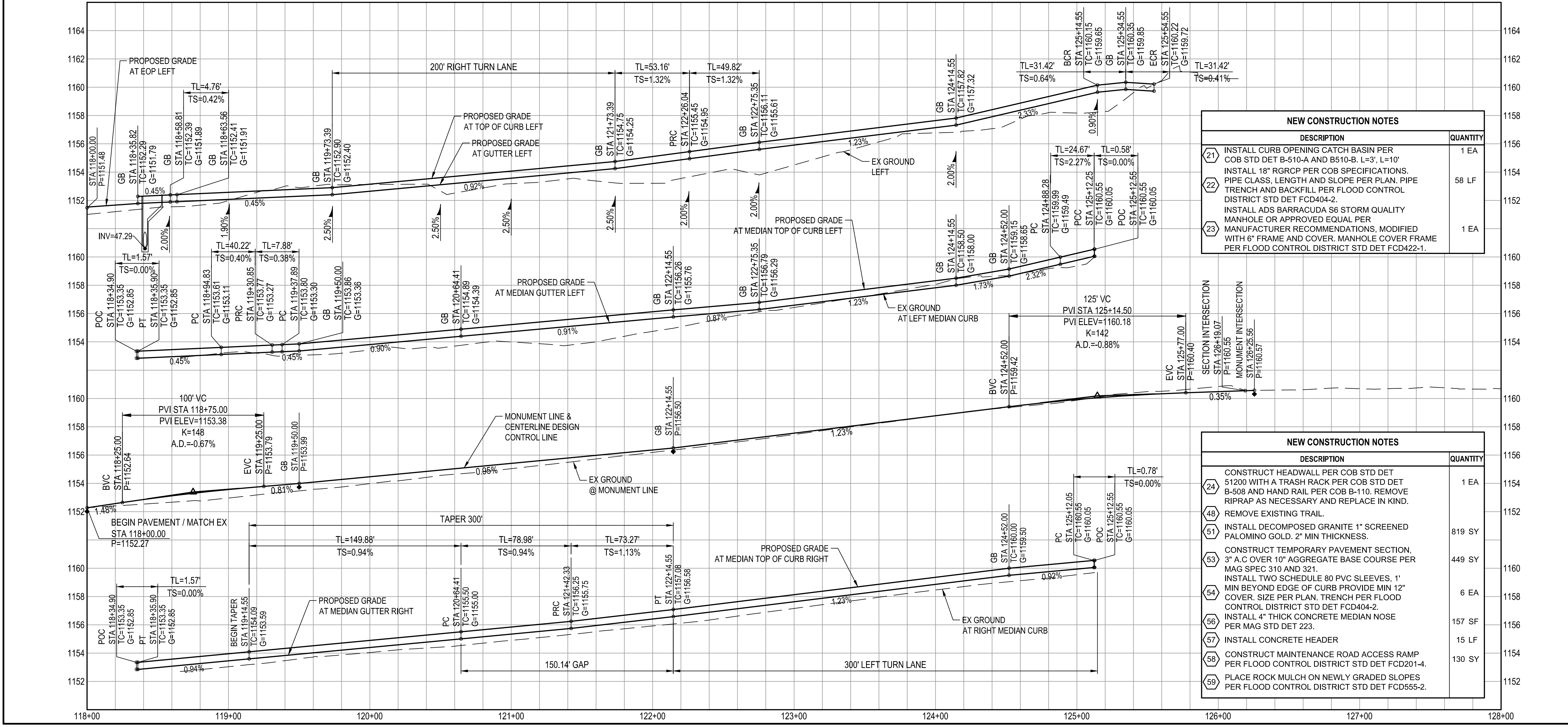


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JACKRABBIT TRAIL/195TH AVE



REMOVAL / RELOCATION NOTES	
DESCRIPTION	QUANTITY
1 REMOVE EXISTING ASPHALT PAVEMENT	3270 SY
2 REMOVE EXISTING CURB AND GUTTER	360 LF
3 REMOVE CONCRETE SIDEWALK	1440 SF
4 REMOVE & SALVAGE EXISTING FENCE	555 LF
5 REMOVE & SALVAGE EXISTING GATE	1 EA
6 REMOVE & SALVAGE EXISTING BOLLARD	4 EA
7 REMOVE & SALVAGE EXISTING TRAFFIC SIGNAL POLE PER TRAFFIC SIGNAL PLAN. SALVAGE TO COB PUBLIC WORKS.	2 EA
8 EXISTING TRAFFIC SIGNAL POLE. SEE TRAFFIC SIGNAL PLAN	1 EA
9 REMOVE EXISTING STORM DRAIN PIPE AND HEADWALL. BACKFILL PER FLOOD CONTROL DISTRICT STD DET FCD404-2.	1 EA
11 REMOVE EXISTING CONCRETE HEADER	7 LF

NEW CONSTRUCTION NOTES	
DESCRIPTION	QUANTITY
1 CONSTRUCT 6" A.C. OVER 12" AGGREGATE BASE COURSE PER MAG SPEC 321 AND PER ROADWAY SECTION ON SHEET 4.	3880 SY
2 REPLACE EXISTING PAVEMENT MINIMUM 3-IN OR MATCH IN KIND PER MAG SECTION 321 (2' MIN). TACK & JOIN NEW A.C. PAVEMENT TO EXISTING.	63 SY
3 SAWCUT EXISTING PAVEMENT TO A TRUE AND NEAT LINE (2' MIN.) AND COAT RAW EDGE WITH EMULSIFIED ASPHALT IMMEDIATELY PRIOR TO PLACING NEW PAVEMENT.	1224 LF
4 INSTALL BRICK CONCRETE PAVER PER COB STD DET 63206.	25 SF
5 CONSTRUCT 6" VERTICAL CURB & GUTTER PER MAG STD DET 220-1, TYPE "A".	745 LF
6 CONSTRUCT 6" VERTICAL CURB & GUTTER W/ DEPRESSED LIP PER MAG STD DET 220-1, TYPE "A".	1365 LF
7 CONSTRUCT MEDIAN NOSE TRANSITION PER COB STD DET 63220.	1 EA
10 CONSTRUCT 24" WIDE DRIVEWAY PER MAG STD DET 250-2.	145 SF
12 CONSTRUCT 5-FT CURB TERMINATION PER MAG STD DET 222.	1 EA
13 CONSTRUCT CONCRETE SIDEWALK PER MAG STD DET 230	564 SF
14 CONSTRUCT SIDEWALK RAMP @ 2% MAXIMUM CROSSFALL. SEE DETAIL SHEET 4.	3 EA
15 ADJUST MANHOLE FRAME & COVER PER MAG STD DET 422 AND MAG SEC 345. RE-COAT THE TOP OF THE MH AFTER THE ADJUSTMENTS ARE COMPLETE. SEE EDS 4-1.400(E).	3 EA
16 CONSTRUCT 16" WIDE MAINTENANCE ROAD, 16" WIDE OF 2" AC OVER 6" ABC	1392 SY
17 CONSTRUCT 16" WIDE MAINTENANCE ROAD, 12" WIDE OF 2" AC OVER 6" ABC PER MAG SPEC 321 WITH 2" WIDE COMPACTED DIRT SHOULDERS ON EACH SIDE. BACKFILL EXISTING CHANNEL PER FLOOD CONTROL DISTRICT STD DET FCD200-1.	681 SY
18 CONSTRUCT ASPHALT SAFETY EDGE PER MAG STD DET 201.	38 LF
19 INSTALL FENCE PER FLOOD CONTROL DISTRICT OF MARICOPA COUNTY DESIGN GUIDELINES	75 LF
20 INSTALL GATE PER DETAIL ON SHEET 5.	1 EA

NEW CONSTRUCTION NOTES	
DESCRIPTION	QUANTITY
21 INSTALL CURB OPENING CATCH BASIN PER COB STD DET B-510-A AND B510-B, L=3', L=10'	1 EA
22 INSTALL 18" RGRCP PER COB SPECIFICATIONS. PIPE CLASS, LENGTH AND SLOPE PER PLAN. PIPE TRENCH AND BACKFILL PER FLOOD CONTROL DISTRICT STD DET FCD404-2.	58 LF
23 INSTALL ADS BARRACUDA S6 STORM QUALITY MANHOLE OR APPROVED EQUAL PER MANUFACTURER RECOMMENDATIONS, MODIFIED WITH 6" FRAME AND COVER. MANHOLE COVER FRAME PER FLOOD CONTROL DISTRICT STD DET FCD422-1.	1 EA

NEW CONSTRUCTION NOTES	
DESCRIPTION	QUANTITY
24 CONSTRUCT HEADWALL PER COB STD DET 51200 WITH A TRASH RACK PER COB STD DET B-508 AND HAND RAIL PER COB B-110. REMOVE RIPRAP AS NECESSARY AND REPLACE IN KIND.	1 EA
48 REMOVE EXISTING TRAIL.	819 SY
51 INSTALL DECOMPOSED GRANITE 1" SCREENED PALOMINO GOLD, 2" MIN THICKNESS.	449 SY
53 CONSTRUCT TEMPORARY PAVEMENT SECTION, 3" A.C. OVER 10" AGGREGATE BASE COURSE PER MAG SPEC 310 AND 321.	6 EA
54 INSTALL TWO SCHEDULE 80 PVC SLEEVES, 1" MIN BEYOND EDGE OF CURB PROVIDE MIN 12" COVER. SIZE PER PLAN. TRENCH PER FLOOD CONTROL DISTRICT STD DET FCD404-2.	157 SF
56 INSTALL 4" THICK CONCRETE MEDIAN NOSE PER MAG STD DET 223.	130 SY
57 INSTALL CONCRETE HEADER	15 LF
58 CONSTRUCT MAINTENANCE ROAD ACCESS RAMP PER FLOOD CONTROL DISTRICT STD DET FCD201-4.	130 SY
59 PLACE ROCK MULCH ON NEWLY GRADED SLOPES PER FLOOD CONTROL DISTRICT STD DET FCD555-2.	

REVISIONS:

PLAN NAME: **JACKRABBIT TRAIL/195TH AVE. IMPROVEMENT PLAN PAVING PLAN & PROFILE**

ENGINEER INFORMATION: **WOOD PATEL** Wood, Patel & Associates, Inc. Civil Engineering, Water Resources, Land Survey, Construction Management. 602.335.8500. www.woodpatel.com

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COB ENGINEERING APPROVED SEAL: [Signature]

AS-BUILT SEAL: [Signature]

DESIGN SEAL: [Signature]

ORIGINAL PLAN DATE: **2/10/20**

LATEST REVISION DATE: [Blank]

PROJECT NUMBER: **164455.03**

SHEET NUMBER: **8 of 8**

COB PLAN TRACKING # **ENG-19-10265**

COB PERMIT # [Blank]

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