

CHAPEL ROAD SHARED USE PATH GRADING & DRAINAGE PLANS

LOCATED IN THE SW4 & SE4, SECTION 19 AND NE4 SECTION 30
T17N, R6E, GILA & SALT RIVER PRINCIPAL MERIDIAN
CITY OF SEDONA, COCONINO COUNTY, ARIZONA

CONTACT INFORMATION

OWNER: CITY OF SEDONA
102 ROADRUNNER DRIVE
SEDONA, ARIZONA 86336
(928) 204-7111
ANDY DICKEY, P.E.
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER

MAYOR: SANDY MORTARTY

VICE MAYOR: JOHN MARTINEZ

CITY COUNCIL: BILL CHISHOLM
JOHN CURRIVAN
TOM LAMKIN
SCOTT JABLOW
JESSICA WILLIAMSON

CITY MANAGER: JUSTIN CLIFTON

ENGINEER: SEC, INC.
20 STUTZ BEARCAT DRIVE #6
SEDONA, ARIZONA 86336
(928) 282-7787 FAX: (928) 282-0731
REGISTRATION NUMBERS: P.E. 49109, R.L.S. 40829
CONTACT: KRISHAN GINGE

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.

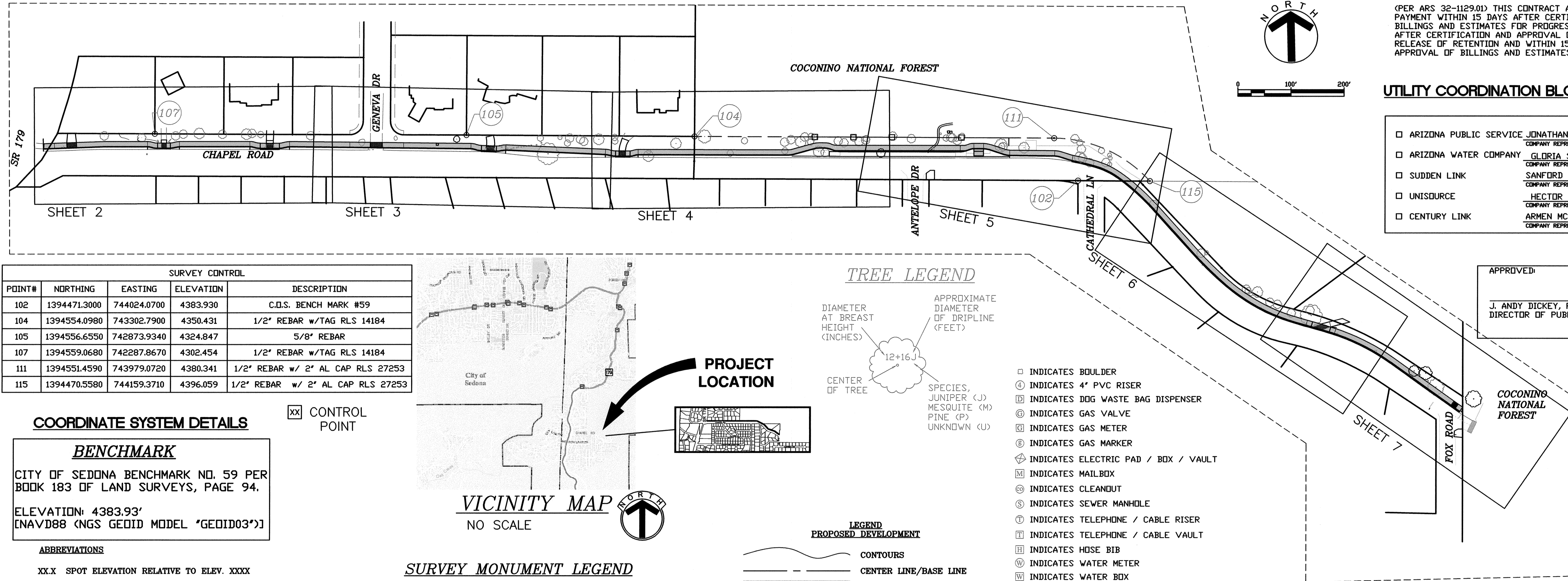
UTILITY COORDINATION BLOCK

| | | | |
|--------------------------|----------------------------------|----------------|-----------------|
| <input type="checkbox"/> | ARIZONA PUBLIC SERVICE | JONATHAN MEYER | RECEIVED: _____ |
| | COMPANY REPRESENTATIVE CONTACTED | | |
| <input type="checkbox"/> | ARIZONA WATER COMPANY | GLORIA SESMAS | RECEIVED: _____ |
| | COMPANY REPRESENTATIVE CONTACTED | | |
| <input type="checkbox"/> | SUDDEN LINK | SANFORD YAZZIE | RECEIVED: _____ |
| | COMPANY REPRESENTATIVE CONTACTED | | |
| <input type="checkbox"/> | UNISOURCE | HECTOR RIJAS | RECEIVED: _____ |
| | COMPANY REPRESENTATIVE CONTACTED | | |
| <input type="checkbox"/> | CENTURY LINK | ARMEN MCNERLIN | RECEIVED: _____ |
| | COMPANY REPRESENTATIVE CONTACTED | | |

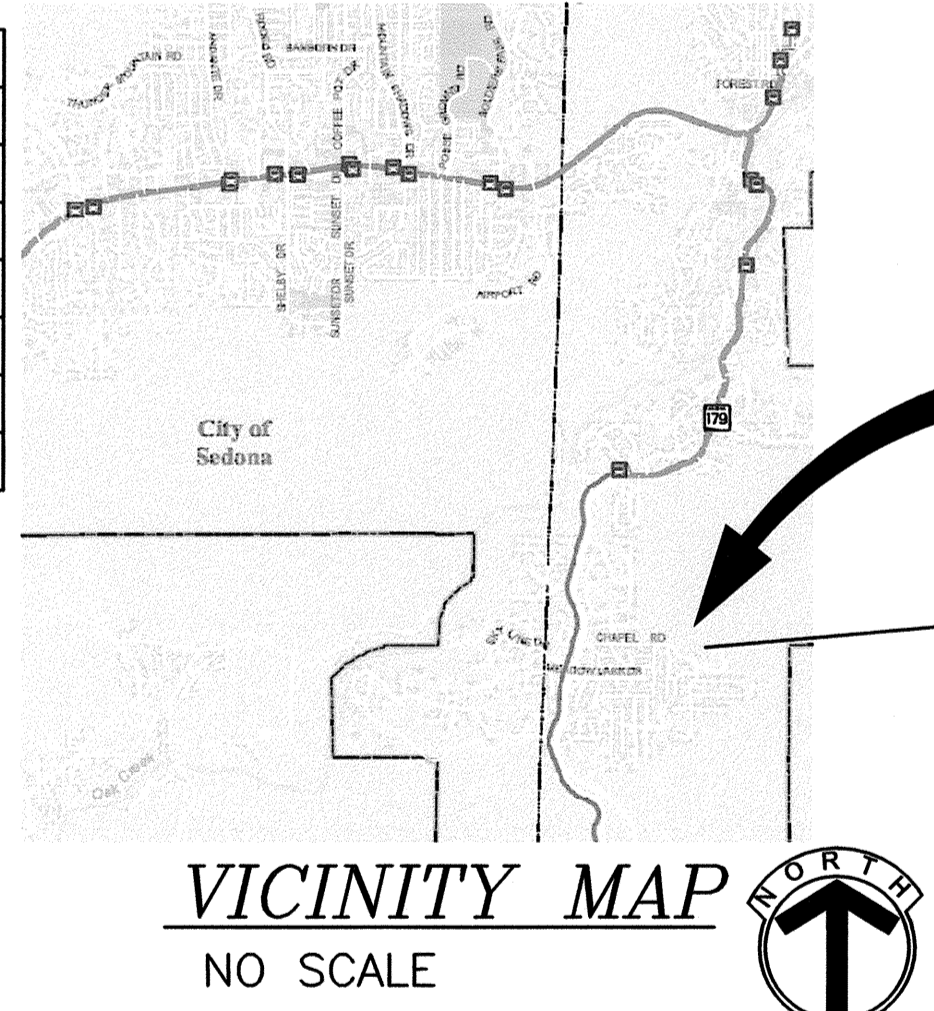
APPROVAL

APPROVED: _____ DATE _____

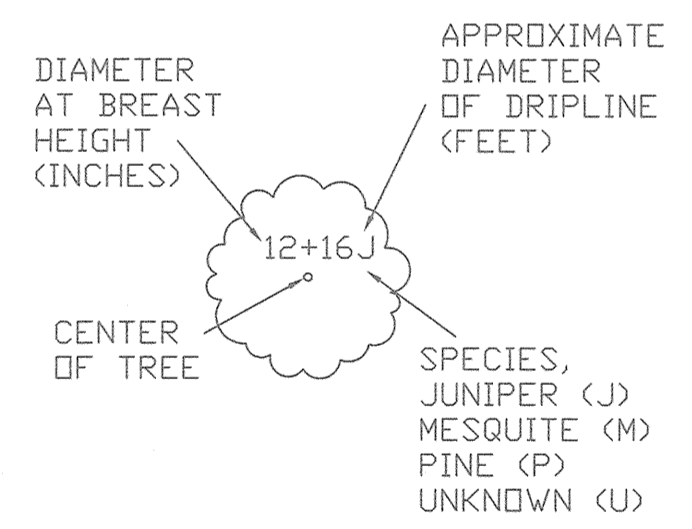
J. ANDY DICKEY, P.E.
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER



| POINT# | NORTHING | EASTING | ELEVATION | DESCRIPTION |
|--------|--------------|-------------|-----------|-----------------------------------|
| 102 | 1394471.3000 | 744024.0700 | 4383.930 | C.O.S. BENCH MARK #59 |
| 104 | 1394554.0980 | 743302.7900 | 4350.431 | 1/2" REBAR w/TAG RLS 14184 |
| 105 | 1394556.6550 | 742873.9340 | 4324.847 | 5/8" REBAR |
| 107 | 1394559.0680 | 742287.8670 | 4302.454 | 1/2" REBAR w/TAG RLS 14184 |
| 111 | 1394551.4590 | 743979.0720 | 4380.341 | 1/2" REBAR w/ 2" AL CAP RLS 27253 |
| 115 | 1394470.5580 | 744159.3710 | 4396.059 | 1/2" REBAR w/ 2" AL CAP RLS 27253 |



TREE LEGEND



- INDICATES BOULDER
- ④ INDICATES 4" PVC RISER
- Ⓜ INDICATES DOG WASTE BAG DISPENSER
- Ⓢ INDICATES GAS VALVE
- Ⓢ INDICATES GAS METER
- Ⓢ INDICATES GAS MARKER
- Ⓢ INDICATES ELECTRIC PAD / BOX / VAULT
- Ⓢ INDICATES MAIL BOX
- Ⓢ INDICATES CLEANOUT
- Ⓢ INDICATES SEWER MANHOLE
- Ⓢ INDICATES TELEPHONE / CABLE RISER
- Ⓢ INDICATES TELEPHONE / CABLE VAULT
- Ⓢ INDICATES HOSE BIB
- Ⓢ INDICATES WATER METER
- Ⓢ INDICATES WATER BOX
- Ⓢ INDICATES IRRIGATION CONTROL VALVE
- Ⓢ INDICATES WATER VALVE
- Ⓢ INDICATES FIRE HYDRANT
- Ⓢ INDICATES SIGN
- Ⓢ INDICATES STONE HEADWALL
- Ⓢ INDICATES RIGHT-OF-WAY

COORDINATE SYSTEM DETAILS

BENCHMARK
CITY OF SEDONA BENCHMARK NO. 59 PER BOOK 183 OF LAND SURVEYS, PAGE 94.
ELEVATION: 4383.93'
[NAVD88 (NGS GEOID MODEL "GEOID03")]

- ABBREVIATIONS**
- XX.X SPOT ELEVATION RELATIVE TO ELEV. XXXX
 - LF LINEAR FEET
 - BS BOTTOM OF STEP
 - TS TOP OF STEP
 - T.O.P. TOP OF PIPE
 - MAG MARICOPA ASSOCIATION OF GOVERNMENTS
 - MSD MARICOPA ASSOCIATION OF GOVERNMENTS STANDARD DETAIL
 - MUTCD MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES
 - SE SURFACE ELEVATION
 - FF FINISHED FLOOR ELEVATION
 - EG EXISTING GRADE
 - FG FINISHED GRADE
 - TW TOP OF WALL AT FACE
 - BW BOTTOM OF WALL AT FACE
 - INV INVERT
 - FL FLOW LINE
 - ADA AMERICANS WITH DISABILITIES ACT
 - FES FLARED END SECTION

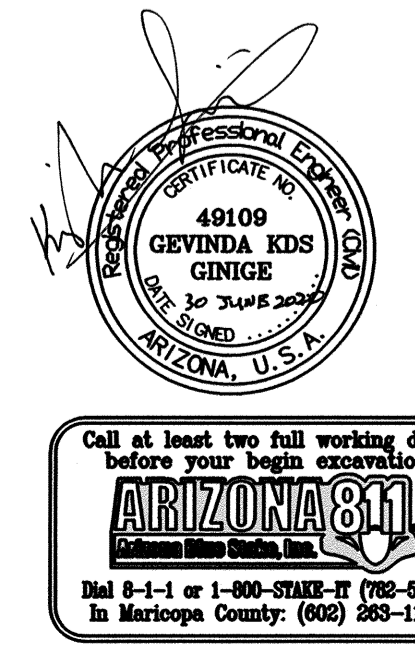
SURVEY MONUMENT LEGEND

- INDICATES FOUND MONUMENT AS NOTED
- INDICATES FOUND 1/2" REBAR WITH PLASTIC CAP STAMPED "LANDMARK LS 14184"
- INDICATES FOUND 1/2" WITH NO CAP OR TAG
- INDICATES FOUND 5/8" SMOOTH BAR WITH NO CAP OR TAG
- INDICATES FOUND 3/4" IRON PIPE WITH NO CAP OR TAG
- INDICATES FOUND 1/2" REBAR WITH BRASS TAG STAMPED "LS 13084"
- INDICATES FOUND 1/2" REBAR WITH ALUMINUM CAP STAMPED "SHEPARD-WESNITZER RLS 27253"
- INDICATES FOUND 1/2" REBAR AND ALUMINUM WASHER STAMPED "PE 12416"
- INDICATES FOUND 1-1/4" IRON PIPE WITH NO CAP OR TAG
- INDICATES FOUND CONCRETE NAIL WITH BRASS TAG STAMPED "LS 14184"
- INDICATES FOUND 5/8" REBAR WITH NO CAP OR TAG
- INDICATES FOUND SPINDLE WITH ALUMINUM WASHER STAMPED "SHEPARD-WESNITZER RLS 27253"

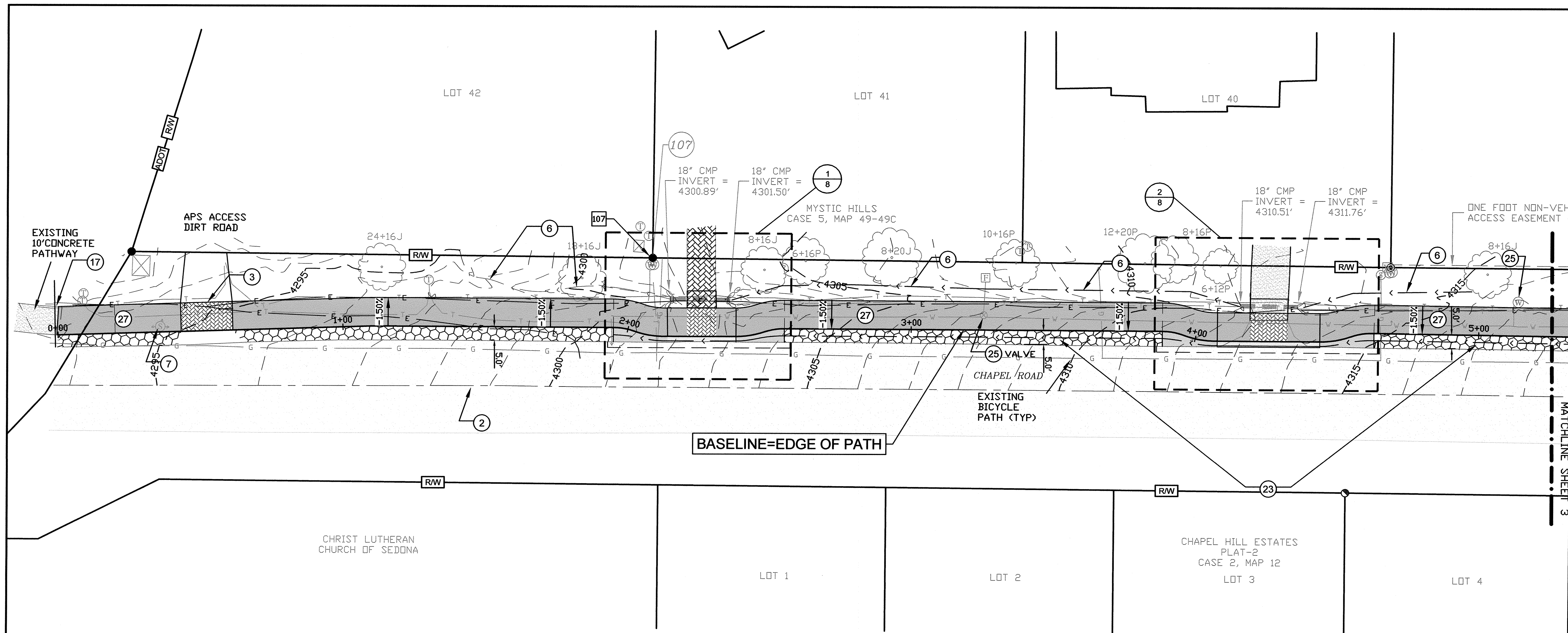
LEGEND PROPOSED DEVELOPMENT

- CONTOURS
- CENTER LINE/BASE LINE
- RIP RAP
- ASPHALT
- CONCRETE
- PAVER
- CURB & GUTTER
- SIDEWALK
- FENCE
- GUARD RAIL
- CULVERT
- DRAINAGE FLOWLINE
- STORM SEWER MAIN
- BUILDING FOOTPRINT
- RETAINING WALL
- ROCK WALL
- SIGNS
- MAIL BOX
- DRAINAGE FLOW DIRECTION

NOTE:
CONSTRUCTION SPECIFICATIONS FOR THIS PROJECT ARE PER CITY OF SEDONA GENERAL CONDITIONS 2020.

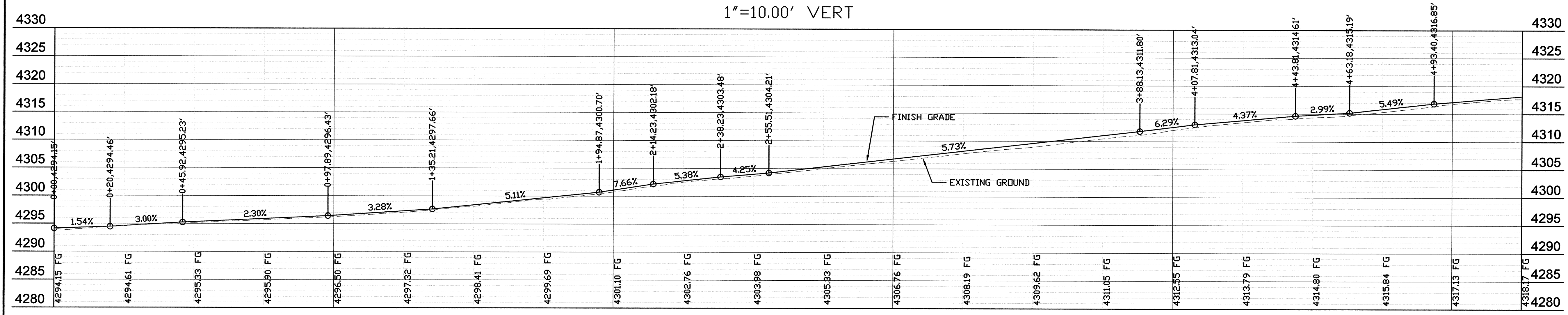


| COVER & SURVEY | | |
|----------------|---------|-------------|
| DATE | DRAWN | SHEET |
| 6/30/2020 | FKH/NU | 1 OF 13 |
| SCALE | CHECKED | PROJECT NO. |
| AS NOTED | KG | 19-0811E |

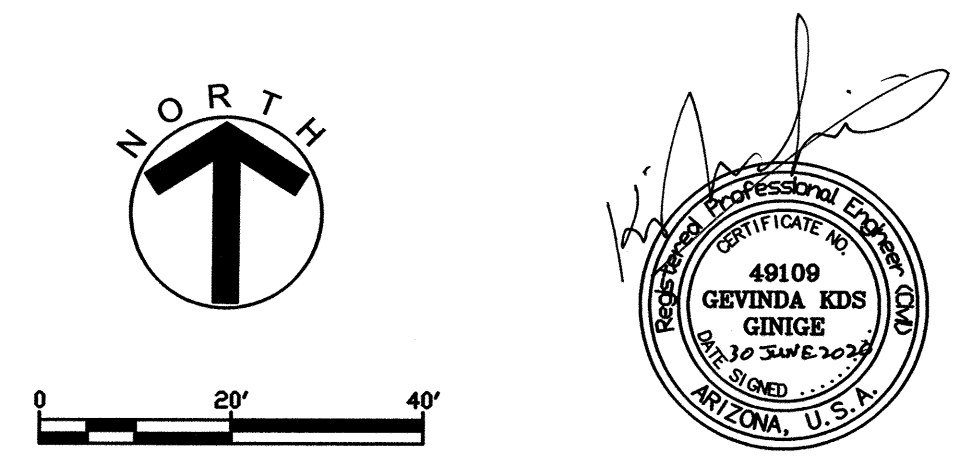


| KEY NOTES | |
|-----------|---|
| 1 | MATCH GRADE AT EXISTING DRIVEWAY |
| 2 | APPROXIMATE CENTERLINE OF CHAPEL ROAD |
| 3 | GRADE EXIST. DRIVEWAY TO MATCH NEW PATH. MATCH EXISTING DRIVEWAY MATERIAL. INSTALL TRAFFIC-RATED PAVERS ACROSS PATH |
| 4 | EXISTING 8" WIDE P.U.E. |
| 5 | EXISTING PIPE. PRESERVE IN PLACE. |
| 6 | PRESERVE AND/OR REDROUTE EXISTING DITCH |
| 7 | ADJUST MANHOLE TO FINISHED GRADE |
| 8 | INSTALL PIPE PER PLAN |
| 9 | CUT EXISTING PIPE AND INSTALL CATCH BASIN PER PLAN |
| 10 | SAWCUT AND REMOVE & REPLACE 2' STRIP OF EXISTING PAVEMENT FOR CURB INSTALLATION. MATCH EXISTING PAVEMENT SECTION. |
| 11 | MOVE EXISTING LANDSCAPE BOULDERS & SIGN. LOCATION BY OTHERS |
| 12 | INSTALL VERTICAL CURB AND GUTTER PER MSD 220-1 (TYPE A) |
| 13 | INSTALL ROLL CURB AND GUTTER PER MSD 220-1 (TYPE C) |
| 14 | CITY/USFS EASEMENT LINE FOR USFS PERMIT (RED 1126). |
| 15 | EXISTING TREE TO BE REMOVED. |
| 16 | RELOCATE EXISTING UTILITY. BY OTHERS |
| 17 | EXISTING 10" WIDE CONCRETE PATHWAY. MATCH NEW SHARED USE PATH TO END. |
| 18 | INSTALL NEW PIPE WITH END SECTION TO EXISTING CULVERT. MATCH SIZE AND TYPE. LENGTH PER PLAN PER PLAN. |
| 19 | NOT USED |
| 20 | INSTALL PAVED PARALLEL PARKING. 9'x24' STALLS PER CDS GENERAL CONDITIONS 2020 |
| 21 | END OF PATHWAY. CROSSWALK PAD. |
| 22 | INSTALL CONCRETE ACCESSIBLE HANDICAP PARKING SPACE. STRIPING AND SIGNAGE PER ADA STANDARDS |
| 23 | INSTALL 0.5' DEEP RIPRAP SWALE PER DETAIL 1, SHEET 11. |
| 24 | REMOVE EXISTING HEADWALL. |
| 25 | ADJUST EXISTING UTILITY APPURTENANCE TO FINISHED GRADE OR ADJUST GRADING TO MATCH APPURTENANCE |
| 26 | REMOVE EXISTING DRAINAGE PIPE. GRADE ADJACENT GROUND TO DRAIN. |
| 27 | INSTALL NEW 10" WIDE SHARED USE PATHWAY PER DETAIL 1 ON 13. |
| 28 | INSTALL 2' WIDE D=4" RIPRAP ISLAND BETWEEN PARKING AND PATHWAY |
| 29 | RELOCATE EXISTING MAIL BOX PER POST OFFICE. |
| 30 | VERTICAL TO ROLL CURB TRANSITION PER MSD 221 |
| 31 | INSTALL DRY STACK RED ROCK BOULDER WALL PER DETAIL 3 ON SHEET 11. PRESERVE EXISTING ROCK WHERE POSSIBLE. USE WALL PROFILE VIEW FOR ELEVATION. |
| 32 | PROVIDE 4" THICK CONCRETE TRANSITION TO DRAIN SWALE. TROWEL FLOWPATH AS SHOWN. |
| 33 | EXISTING TRAFFIC MIRROR. REMOVE AND REPLACE. |
| 34 | RELOCATE EXISTING SIGN |
| 35 | MOVE EXIST FENCE (STA 14+25-STA 18+15) TO RIGHT-OF-WAY LINE. INSTALL 4 STRAND, SMOOTH WIRE ON TEE POSTS. |
| 36 | PROTECT EXISTING TREE IN PLACE. TRIM BRANCHES EXTENDING INTO THE PATHWAY AS NEEDED. CONTACT CDS FOR GUIDANCE. |
| 37 | TRANSITION VERTICAL CURB TO CROSSWALK. GENERAL SPECIFICATIONS 2020. |
| 38 | PRESERVE EXISTING CMP IN PLACE |
| 39 | CONSTRUCT 4" GRAVEL PAD FOR PEDESTRIANS. PROVIDE 2' TO 3' DIAMETER BOULDERS AROUND PERIMETER AS SHOWN |
| 40 | PAINTED CROSSWALK 8' WIDE, 12" STRIPE. CDS GENERAL STANDARDS 2020 |
| 41 | INSTALL CATCH BASIN PER PLAN |
| 42 | INSTALL VALLEY GUTTER PER MSD 240. MODIFY WIDTH TO BE 3'. |
| 43 | INSTALL HANDICAP PARKING SIGN (MUTCD R7-8) |
| 44 | INSTALL SIGN 'NO PARKING BETWEEN SIGNS' (MUTCD R7-1) |
| 45 | INSTALL RETAINING WALL PER DETAIL 2, SHEET 11. DRY STACK WALL MAY BE SUBSTITUTED IN CERTAIN AREAS WITH AUTHORIZATION FROM THE CITY OF SEDONA. |
| 46 | INSTALL MUTCD R1-6A STOP FOR PEDESTRIANS SIGN |

Profile View BASELINE-EDGE OF PATH
 1"=20' HORZ
 1"=10.00' VERT



NOTE:
 EXISTING JUNIPER, PINE AND HARDWOOD TREES ARE TO BE PRESERVED WHENEVER POSSIBLE. TREES TO BE REMOVED ARE DESIGNATED ON THE PLANS. REMOVAL OF ADDITIONAL TREES MUST BE APPROVED IN ADVANCE.



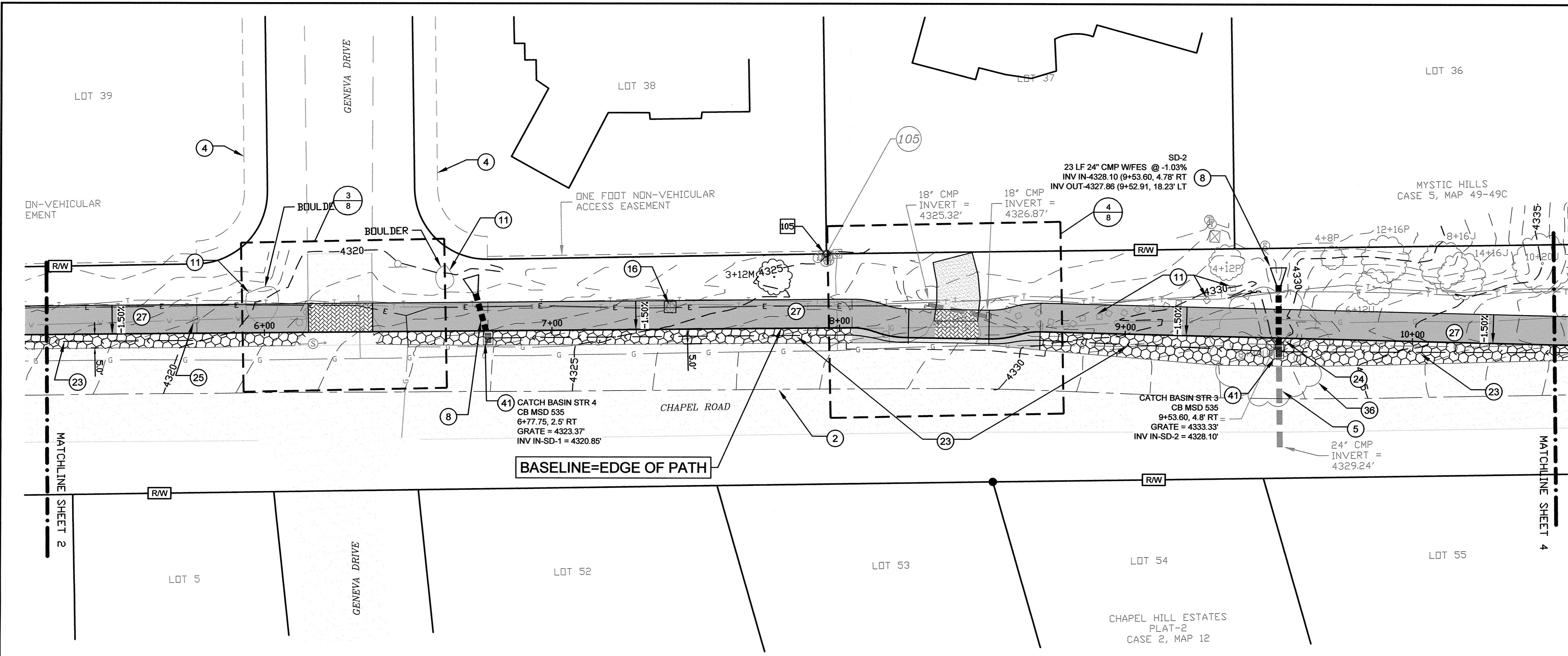
**CHAPEL ROAD SHARED USE PATH
 GRADING & DRAINAGE PLANS**

P&P(0+00)

SEC
 Inc.

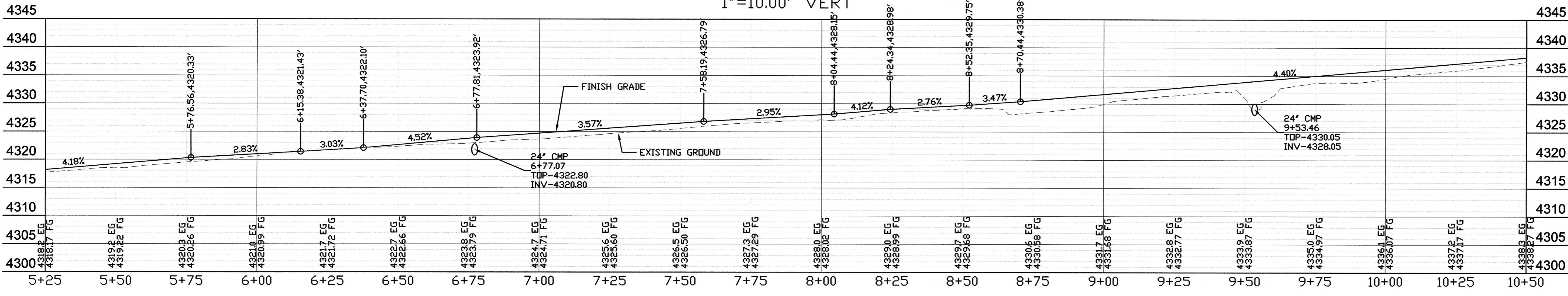
20 STUTZ BEARCAT #6
 SEDONA, AZ 86336
 (928) 282-7787

| | | |
|-------------------|-----------------|-------------------------|
| DATE 6/30/2020 | DRAWN FKH/NJ | SHEET 2 OF 13 |
| SCALE NOTED | CHECKED KG | PROJECT NO. 19-0811E |

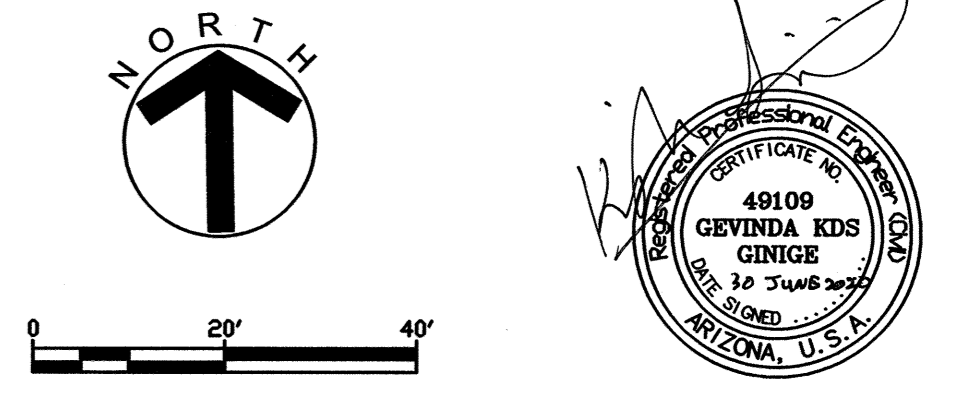


| KEY NOTES | |
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| 1 | MATCH GRADE AT EXISTING DRIVEWAY |
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| 5 | EXISTING PIPE. PRESERVE IN PLACE. |
| 6 | PRESERVE AND/OR REROUTE EXISTING DITCH |
| 7 | ADJUST MANHOLE TO FINISHED GRADE |
| 8 | INSTALL PIPE PER PLAN |
| 9 | CUT EXISTING PIPE AND INSTALL CATCH BASIN PER PLAN |
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| 11 | MOVE EXISTING LANDSCAPE BOULDERS & SIGN LOCATION BY OTHERS |
| 12 | INSTALL VERTICAL CURB AND GUTTER PER MSD 220-1 (TYPE A) |
| 13 | INSTALL ROLL CURB AND GUTTER PER MSD 220-1 (TYPE C) |
| 14 | CITY/USFS EASEMENT LINE FOR USFS PERMIT (RED 1126). |
| 15 | EXISTING TREE TO BE REMOVED. |
| 16 | RELOCATE EXISTING UTILITY. BY OTHERS |
| 17 | EXISTING 10' WIDE CONCRETE PATHWAY. MATCH NEW SHARED USE PATH TO END. |
| 18 | INSTALL NEW PIPE WITH END SECTION TO EXISTING CULVERT. MATCH SIZE AND TYPE. LENGTH PER PLAN PER PLAN. |
| 19 | NOT USED |
| 20 | INSTALL PAVED PARALLEL PARKING. 9'x24' STALLS PER CDS GENERAL CONDITIONS 2020 |
| 21 | END OF PATHWAY. CROSSWALK PAD. |
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| 26 | REMOVE EXISTING DRAINAGE PIPE. GRADE ADJACENT GROUND TO DRAIN. |
| 27 | INSTALL NEW 10' WIDE SHARED USE PATHWAY PER DETAIL 1 ON 13. |
| 28 | INSTALL 2' WIDE D=4\"/> |

Profile View BASELINE-EDGE OF PATH
 1\"/>



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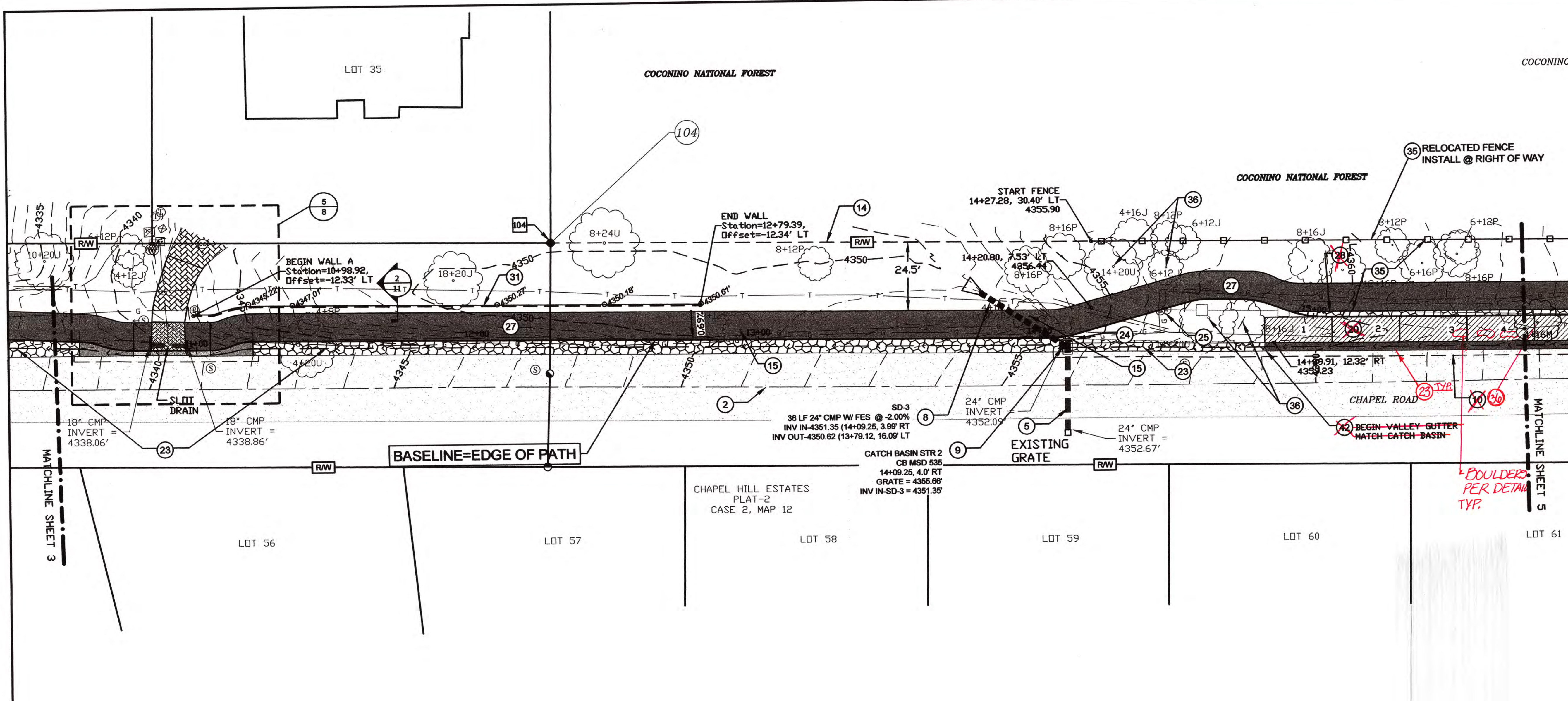


CHAPEL ROAD SHARED USE PATH GRADING & DRAINAGE PLANS

P&P(5+25)

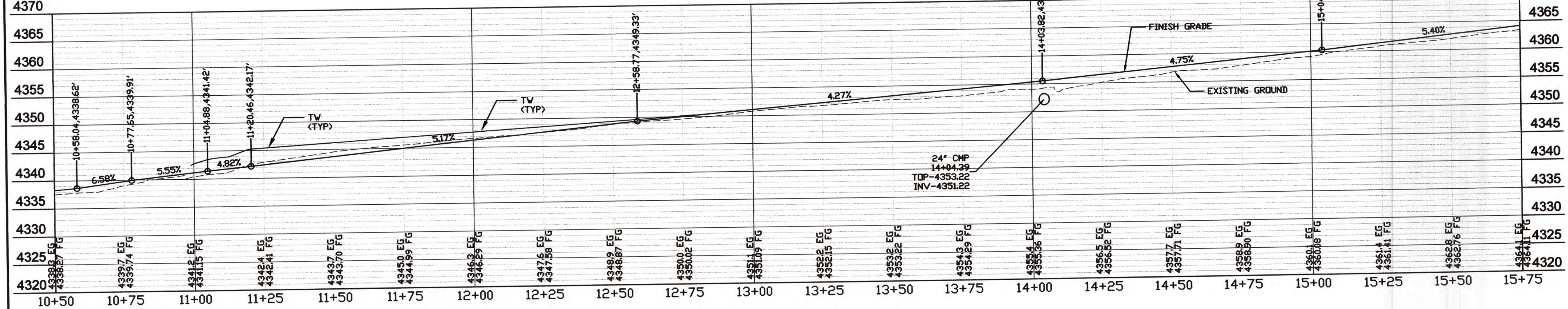
20 STUTZ BEARCAT #6
 SEDONA, AZ 86336
 (928) 282-7787

| | | |
|-------------------|-----------------|-------------------------|
| DATE 6/30/2020 | DRAWN FKH/NJ | SHEET 3 OF 13 |
| SCALE NOTED | CHECKED KG | PROJECT NO. 19-0811E |



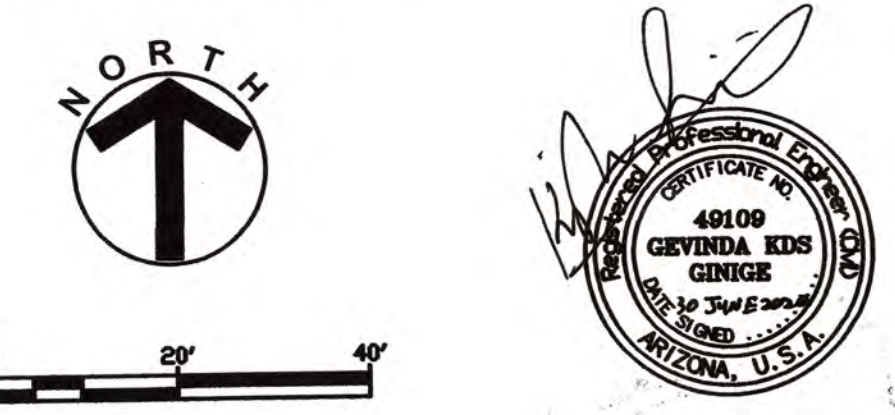
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| 17 | EXISTING 10' WIDE CONCRETE PATHWAY, MATCH NEW SHARED USE PATH TO END |
| 18 | INSTALL 12" PIPE WITH END SECTION TO EXISTING CULVERT, MATCH SLIP AND TYPE, LENGTH PER PLAN PER PLAN |
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| 20 | INSTALL PAVED PARALLEL PARKING 9'-24" STALLS PER CDS GENERAL CONDITIONS 2020 |
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Profile View BASELINE-EDGE OF PATH
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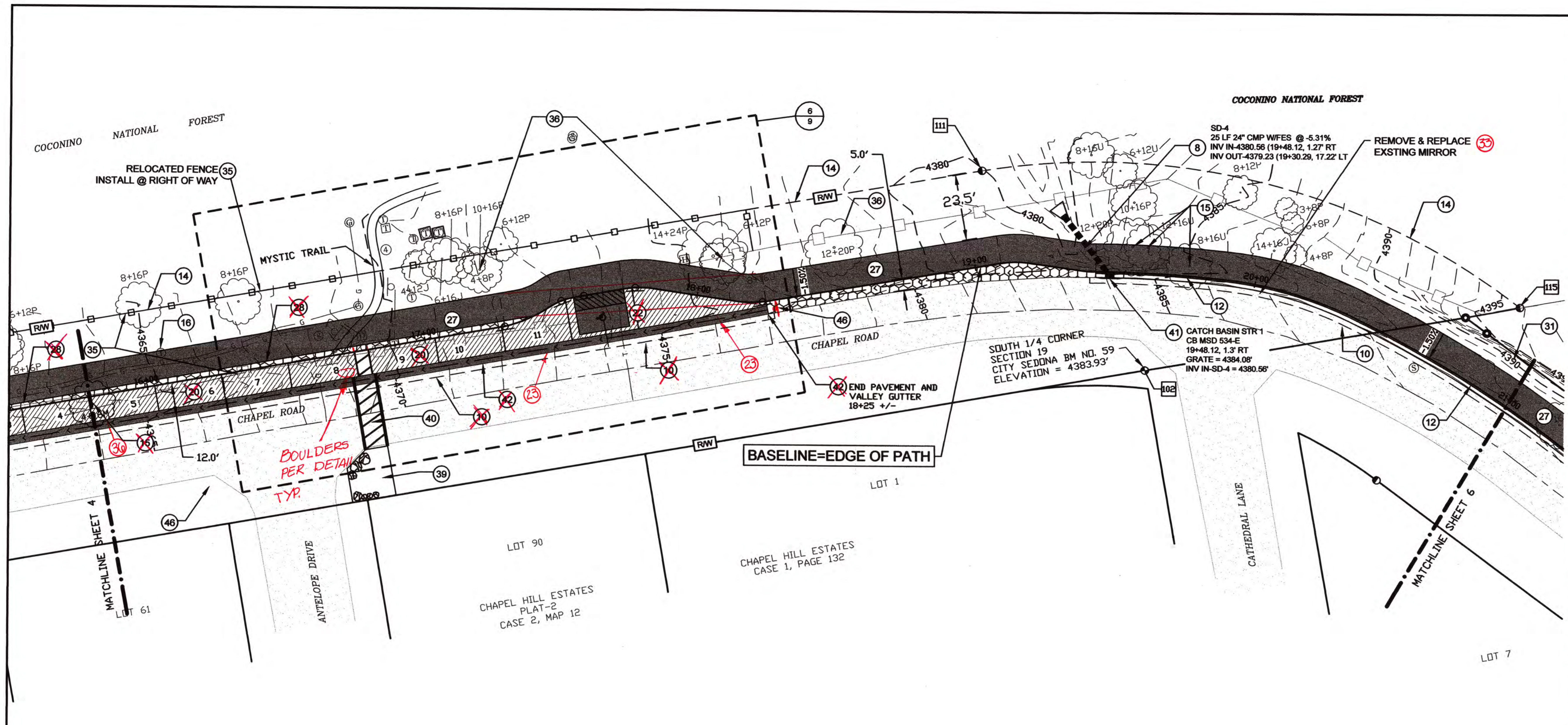


12/21 - CITY OF SEDONA
 REMOVED PARALLEL
 PARKING

NOTE:
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 TREES ARE TO BE PRESERVED WHENEVER
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 INTO THE PATHWAY.

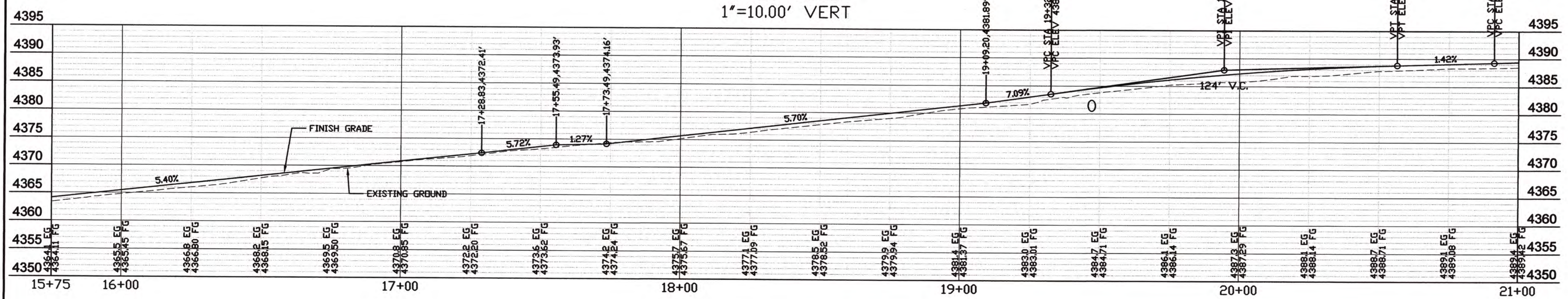


| CHAPEL ROAD SHARED USE PATH GRADING & DRAINAGE PLANS | | | |
|---|-------------------|-------------------------|------------------|
| 20 STUTZ BEARCAT #6 SEDONA, AZ 86336 (928) 282-7787 | P&P(10+50) | | |
| | DATE 6/30/2020 | DRAWN FKH/NJ | SHEET 4 OF 13 |
| SCALE NOTED | CHECKED KG | PROJECT NO. 19-0811E | |



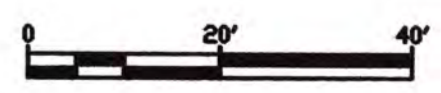
| KEY NOTES | |
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| 1 | MATCH GRADE AT EXISTING DRIVEWAY |
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| 3 | GRADE EXIST. DRIVEWAY TO MATCH NEW PATH. MATCH EXISTING DRIVEWAY MATERIAL. INSTALL TRAFFIC-RATED PAVERS ACROSS PATH |
| 4 | EXISTING 8' WIDE PILE |
| 5 | EXISTING PIPE. PRESERVE IN PLACE. |
| 6 | PRESERVE AND/OR REROUTE EXISTING DITCH |
| 7 | ADJUST MANHOLE TO FINISHED GRADE |
| 8 | INSTALL PIPE PER PLAN |
| 9 | CUT EXISTING PIPE AND INSTALL CATCH BASIN PER PLAN |
| 10 | REMOVE AND REPLACE 2' STRIP OF EXISTING PAVEMENT FOR CURB INSTALLATION. MATCH EXISTING PAVEMENT SECTION. |
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| 19 | NOT USED |
| 20 | INSTALL PAVED PARALLEL PARKING 9'x24' STALLS PER CBS GENERAL SPECIFICATIONS 2020 |
| 21 | END OF PATHWAY. CROSSWALK PAD. |
| 22 | INSTALL CONCRETE ACCESSIBLE HANDICAP PARKING SPACE. STRIPING AND SIGNAGE PER ADA STANDARDS |
| 23 | INSTALL 0.5' DEEP RIPRAP SWALE PER DETAIL 1, SHEET 11. |
| 24 | REMOVE EXISTING HEADWALL. |
| 25 | ADJUST EXISTING UTILITY APPURTENANCE TO FINISHED GRADE OR ADJUST GRADING TO MATCH APPURTENANCE |
| 26 | REMOVE EXISTING DRAINAGE PIPE. GRADE ADJACENT GROUND TO DRAIN. |
| 27 | INSTALL NEW 10' WIDE SHARED USE PATHWAY PER DETAIL 1 ON 13. |
| 28 | INSTALL 2' WIDE 4" RIPRAP ISLAND BETWEEN PARKING AND PATHWAY. |
| 29 | RELOCATE EXISTING MAIL BOX PER POST OFFICE. |
| 30 | VERTICAL TO ROLL CURB TRANSITION PER MSD 221 |
| 31 | INSTALL DRY STACK RED ROCK BOULDER WALL PER DETAIL 3 ON SHEET 11. PRESERVE EXISTING ROCK WHERE POSSIBLE. USE WALL PROFILE VIEW FOR ELEVATION. |
| 32 | PROVIDE 4" THICK CONCRETE TRANSITION TO DRAIN SWALE. TRAVEL FLOWPATH AS SHOWN. |
| 33 | EXISTING TRAFFIC MIRROR. REMOVE AND REPLACE. |
| 34 | RELOCATE EXISTING SIGN |
| 35 | MOVE EXIST FENCE (STA 14+25-STA 18+15) TO RIGHT-OF-WAY LINE. INSTALL 4 STRAND SMOOTH WIRE ON TEE POSTS. |
| 36 | PROTECT EXISTING TREE IN PLACE. TRIM BRANCHES EXTENDING INTO THE PATHWAY AS NEEDED. CONTACT CBS FOR GUIDANCE. |
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| 41 | INSTALL CATCH BASIN PER PLAN |
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| 43 | INSTALL HANDICAP PARKING SIGN (MUTCD R7-8) |
| 44 | INSTALL SIGN "NO PARKING BETWEEN SIGNS" (MUTCD R7-1) |
| 45 | INSTALL RETAINING WALL PER DETAIL 2, SHEET 11. DRY STACK WALL MAY BE SUBSTITUTED IN CERTAIN AREAS WITH AUTHORIZATION FROM THE CITY OF SEDONA. |
| 46 | INSTALL MUTCD RI-6A STOP FOR PEDESTRIANS SIGN |

Profile View BASELINE-EDGE OF PATH
 1"=20' HORZ
 1"=10.00' VERT

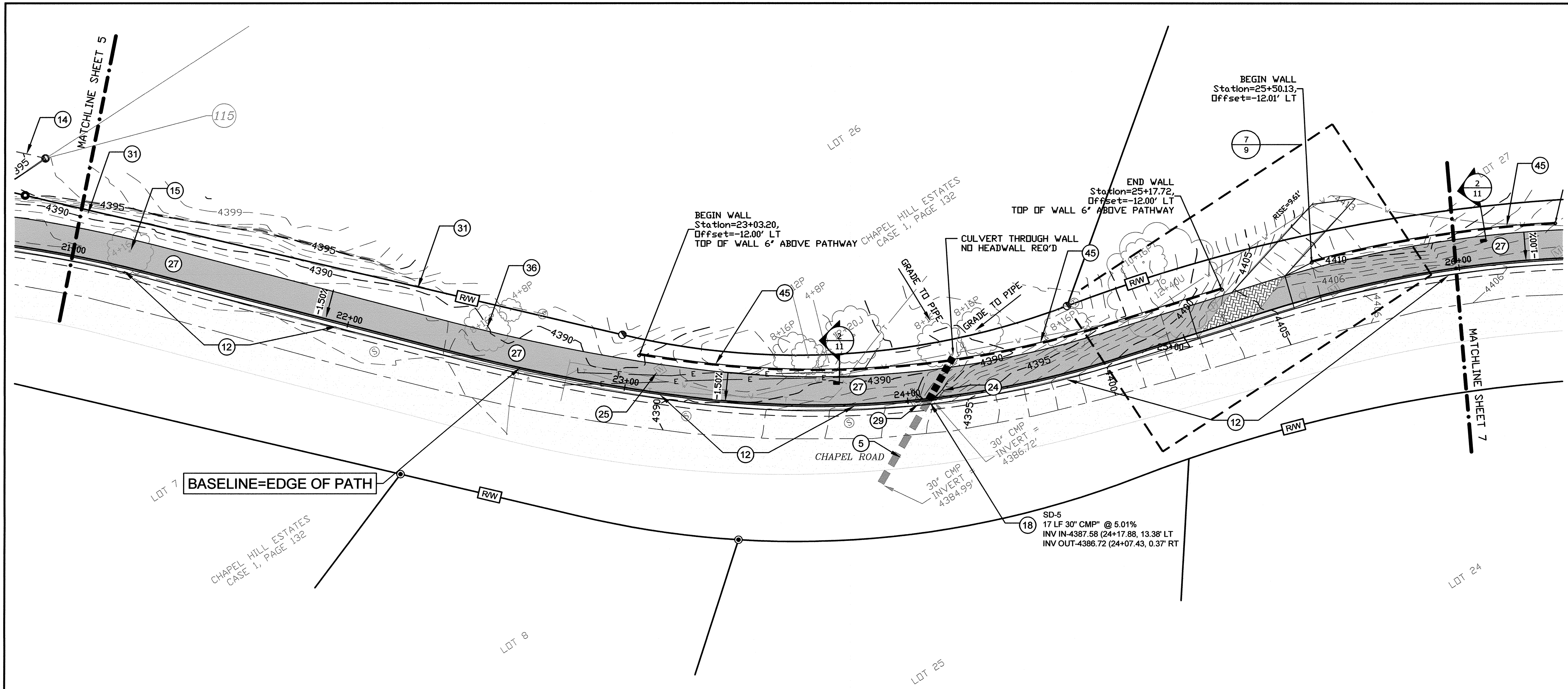


12/21 CITY OF SEDONA
 REMOVED PARALLEL
 PARKING

NOTE:
 EXISTING JUNIPER, PINE AND HARDWOOD
 TREES ARE TO BE PRESERVED
 WHENEVER POSSIBLE. TREES TO BE
 REMOVED ARE DESIGNATED ON THE
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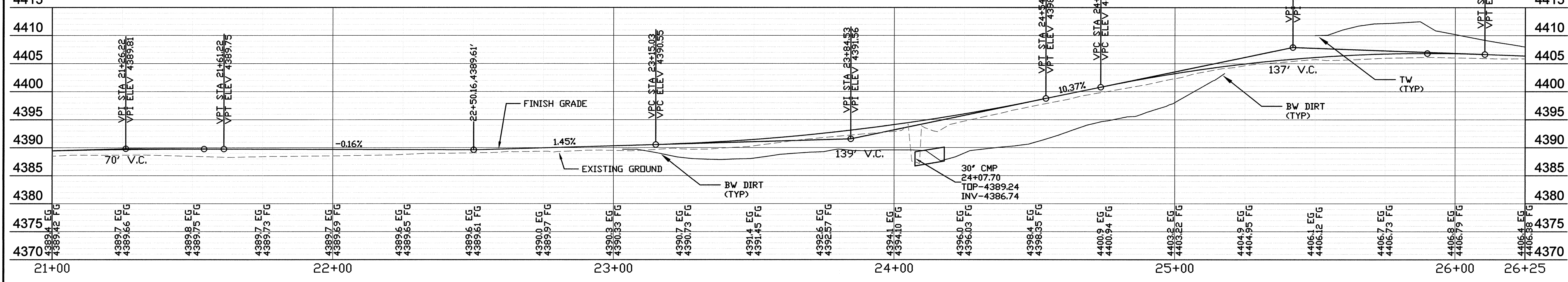


| CHAPEL ROAD SHARED USE PATH GRADING & DRAINAGE PLANS | | | |
|---|------------|----------|-------------|
| 20 STUTZ BEARCAT #6 SEDONA, AZ 86336 (928) 282-7787 | P&P(15+75) | | |
| | DATE | DRAWN | SHEET |
| | 6/30/2020 | FKH/NJ | 5 OF 13 |
| | SCALE | CHECKED | PROJECT NO. |
| NOTED | KG | 19-0811E | |

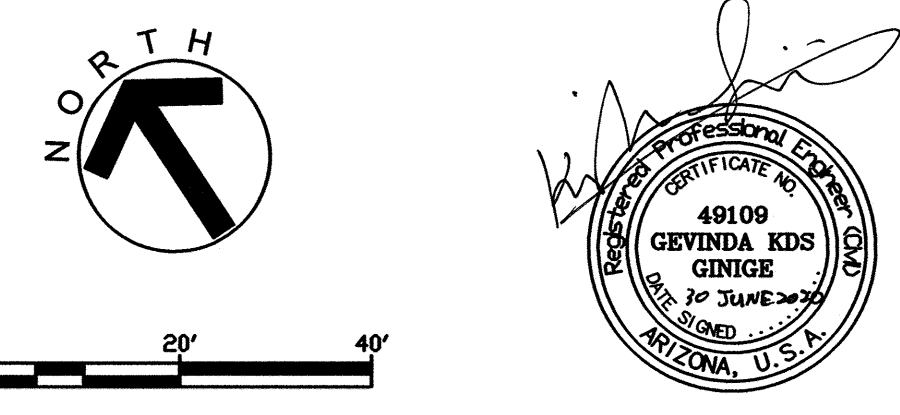


| KEY NOTES | |
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| 1 | MATCH GRADE AT EXISTING DRIVEWAY |
| 2 | APPROXIMATE CENTERLINE OF CHAPEL ROAD |
| 3 | GRADE EXIST. DRIVEWAY TO MATCH NEW PATH. MATCH EXISTING DRIVEWAY MATERIAL. INSTALL TRAFFIC-RATED PAVERS ACROSS PATH |
| 4 | EXISTING 8" WIDE P.U.E. |
| 5 | EXISTING PIPE. PRESERVE IN PLACE. |
| 6 | PRESERVE AND/OR REROUTE EXISTING DITCH |
| 7 | ADJUST MANHOLE TO FINISHED GRADE |
| 8 | INSTALL PIPE PER PLAN |
| 9 | CUT EXISTING PIPE AND INSTALL CATCH BASIN PER PLAN |
| 10 | SAWCUT AND REMOVE & REPLACE 2' STRIP OF EXISTING PAVEMENT FOR CURB INSTALLATION. MATCH EXISTING PAVEMENT SECTION. |
| 11 | MOVE EXISTING LANDSCAPE BOULDERS & SIGN. LOCATION BY OTHERS |
| 12 | INSTALL VERTICAL CURB AND GUTTER PER MSD 220-1 (TYPE A) |
| 13 | INSTALL ROLL CURB AND GUTTER PER MSD 220-1 (TYPE C) |
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| 16 | RELOCATE EXISTING UTILITY. BY OTHERS |
| 17 | EXISTING 10' WIDE CONCRETE PATHWAY. MATCH NEW SHARED USE PATH TO END. |
| 18 | INSTALL NEW PIPE WITH END SECTION TO EXISTING CULVERT. MATCH SIZE AND TYPE. LENGTH PER PLAN PER PLAN. |
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Profile View BASELINE-EDGE OF PATH
 1"=20' HORZ
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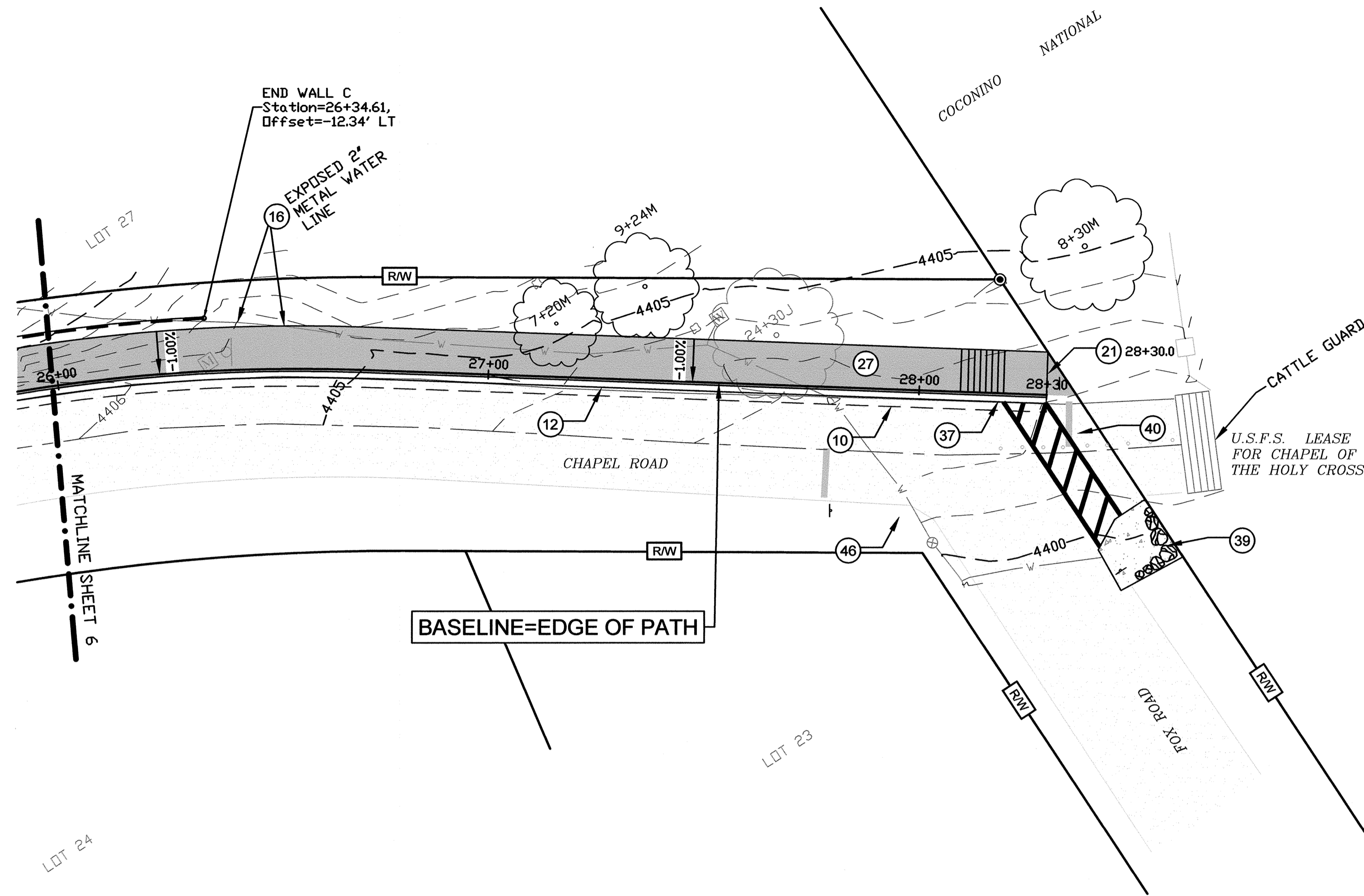
CHAPEL ROAD SHARED USE PATH
 GRADING & DRAINAGE PLANS

P&P(21+00)

SEC Inc.

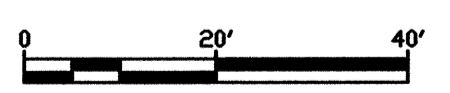
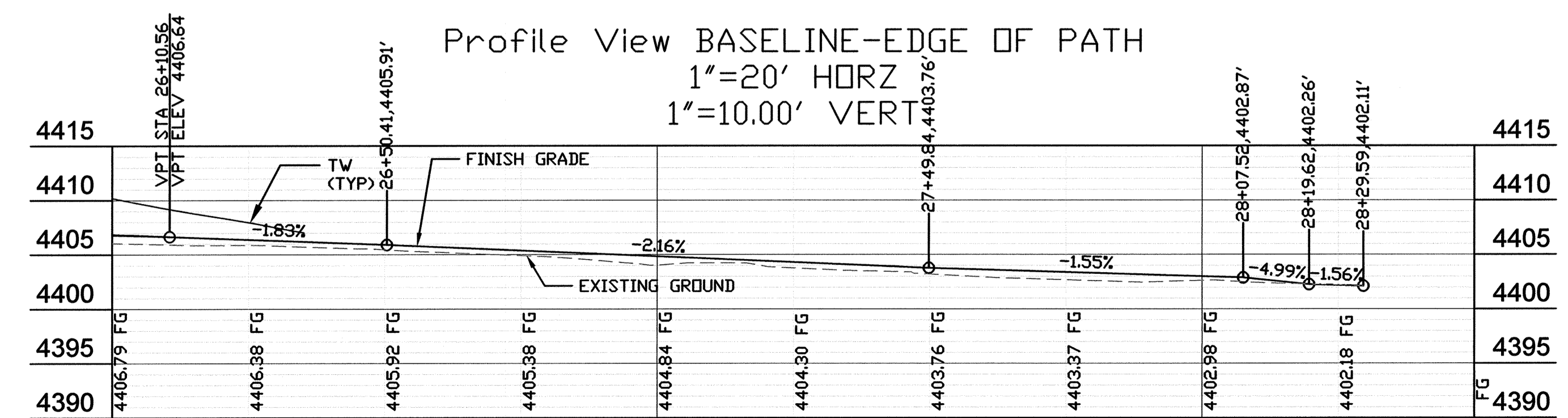
20 STUTZ BEARCAT #6
 SEDONA, AZ 86336
 (928) 282-7787

| DATE | DRAWN | SHEET |
|-----------|---------|-------------|
| 6/30/2020 | FKH/NU | 6 OF 13 |
| SCALE | CHECKED | PROJECT NO. |
| NOTED | KG | 19-0811E |

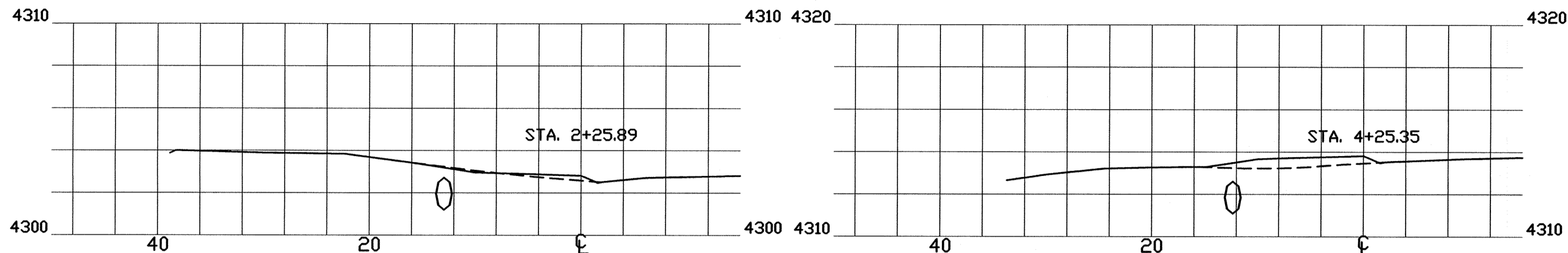


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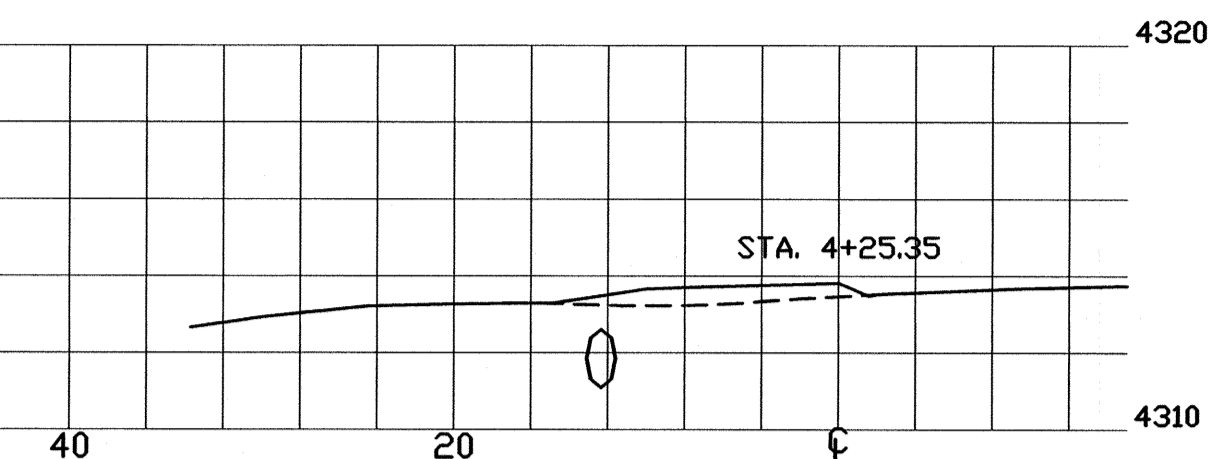
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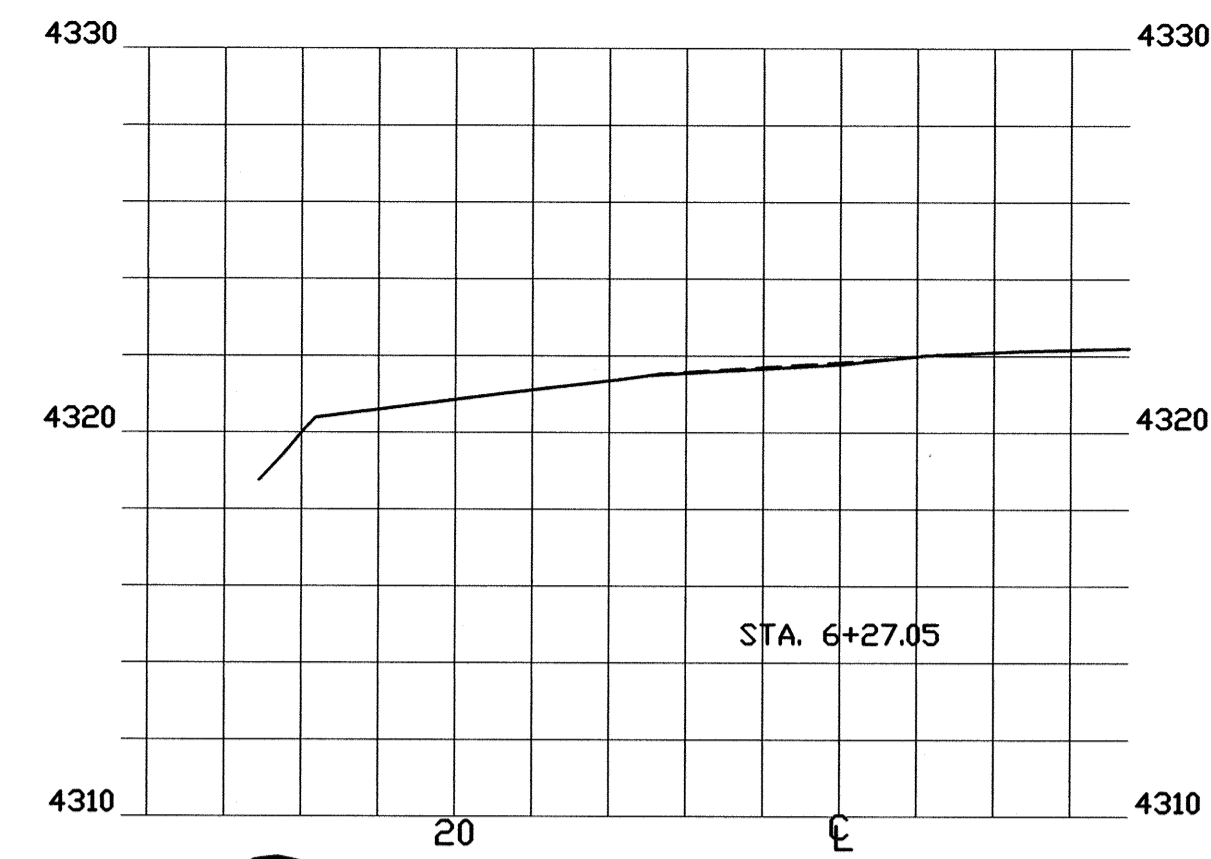
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| CHAPEL ROAD SHARED USE PATH GRADING & DRAINAGE PLANS | | |
| P&P(26+00) | | |
| 20 STUTZ BEARCAT #6 SEDONA, AZ 86336 (928) 282-7787 | DATE 6/30/2020 | DRAWN FKH/NJ |
| | SCALE NOTED | CHECKED KG |
| | SHEET 7 OF 13 | PROJECT NO. 19-0811E |



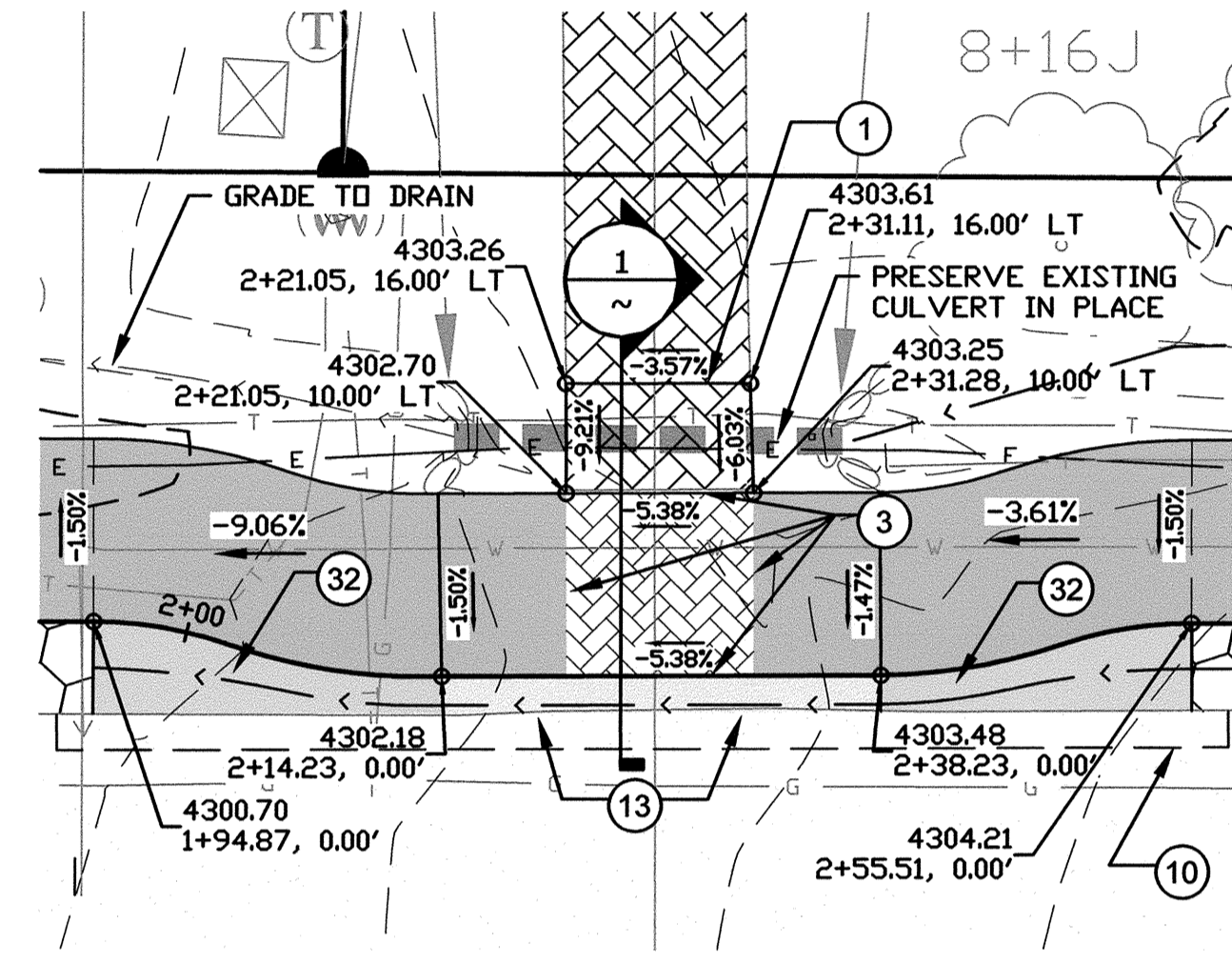
1 STA 2 + 25.89
DRIVEWAY TO LOT 41
1" = 10'-0"



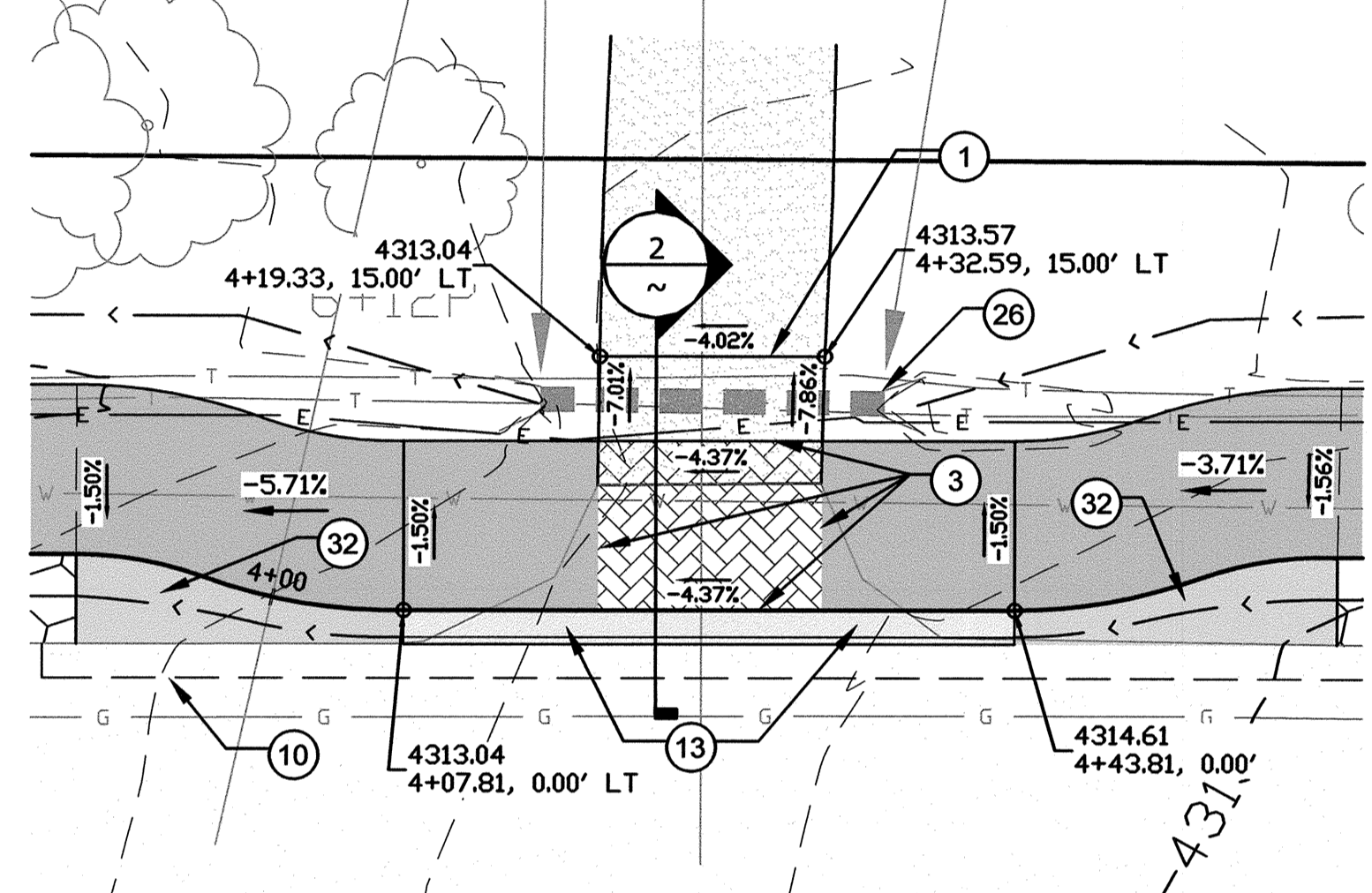
2 STA 4 + 25.35
DRIVEWAY TO LOT 40
1" = 10'-0"



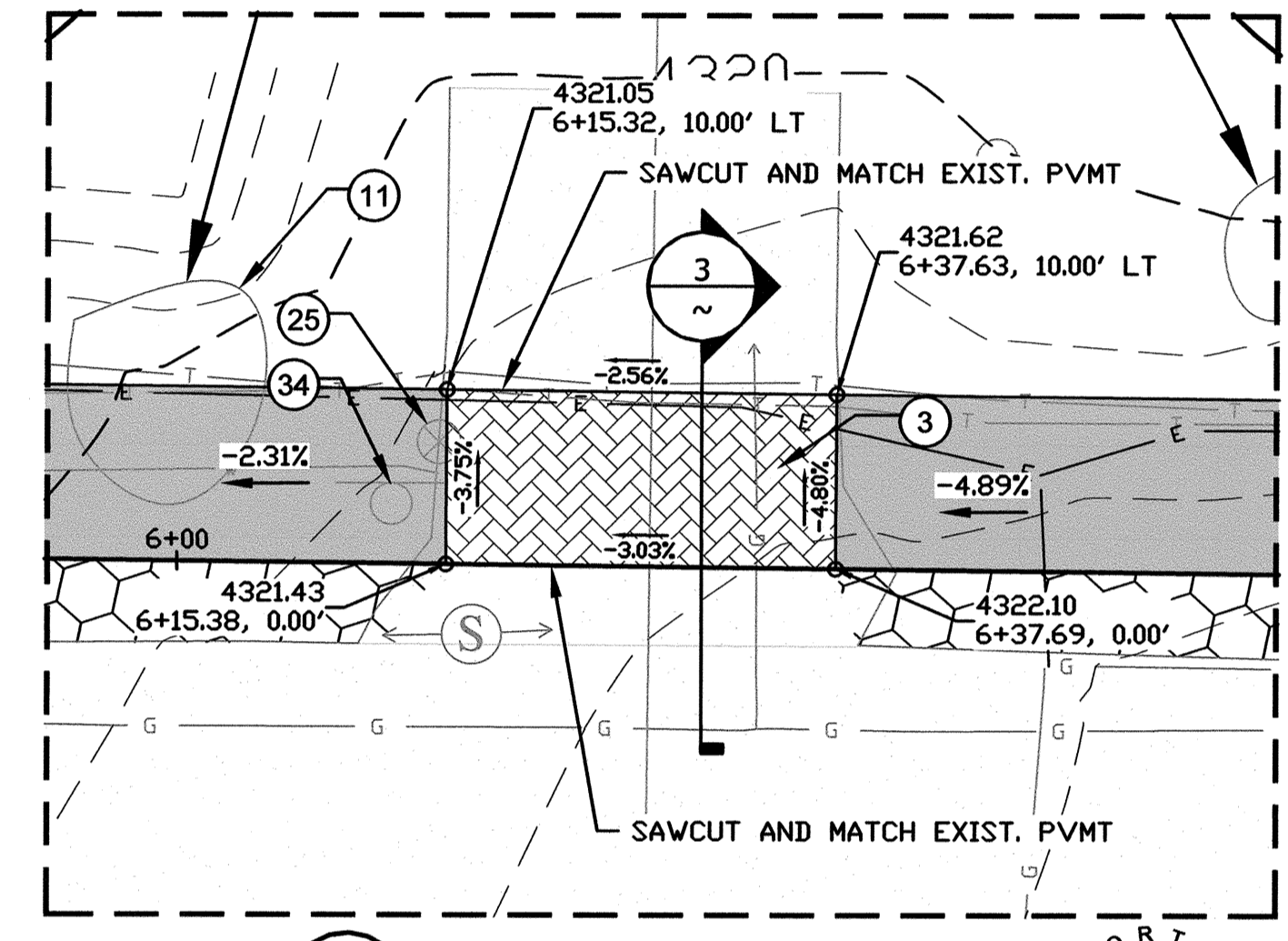
3 STA 6+27.05
GENEVA DRIVE
1" = 10'-0"



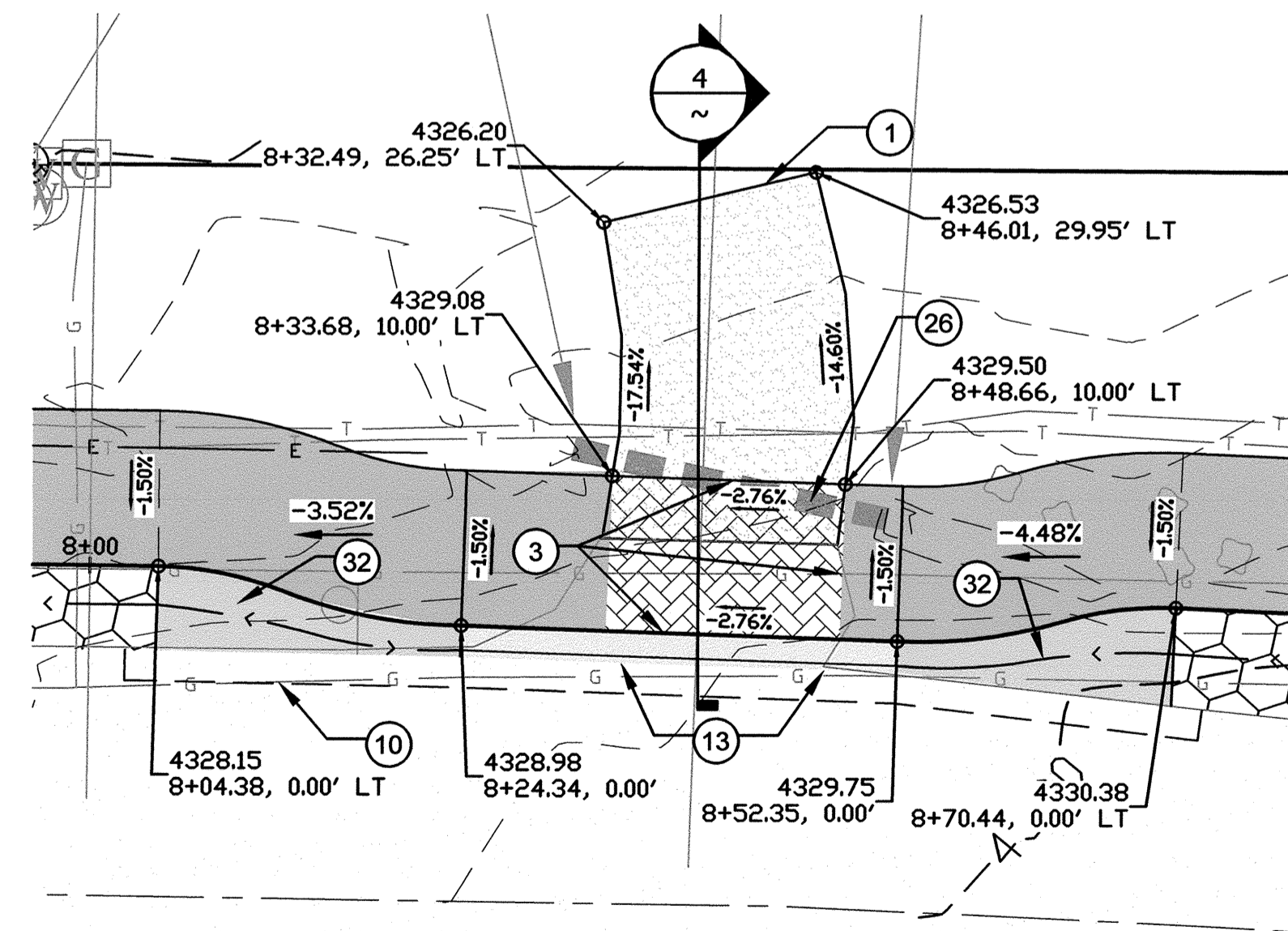
1 STA 2 + 25
DRIVEWAY TO LOT 41
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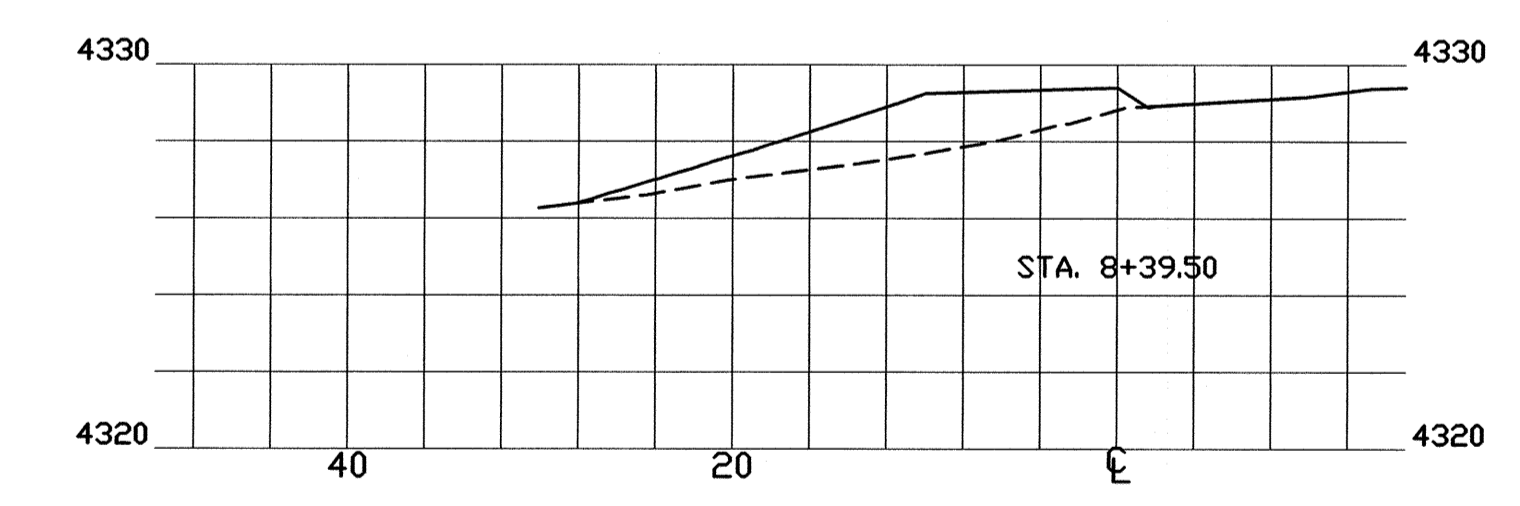
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DRIVEWAY TO LOT 40
1" = 10'-0"



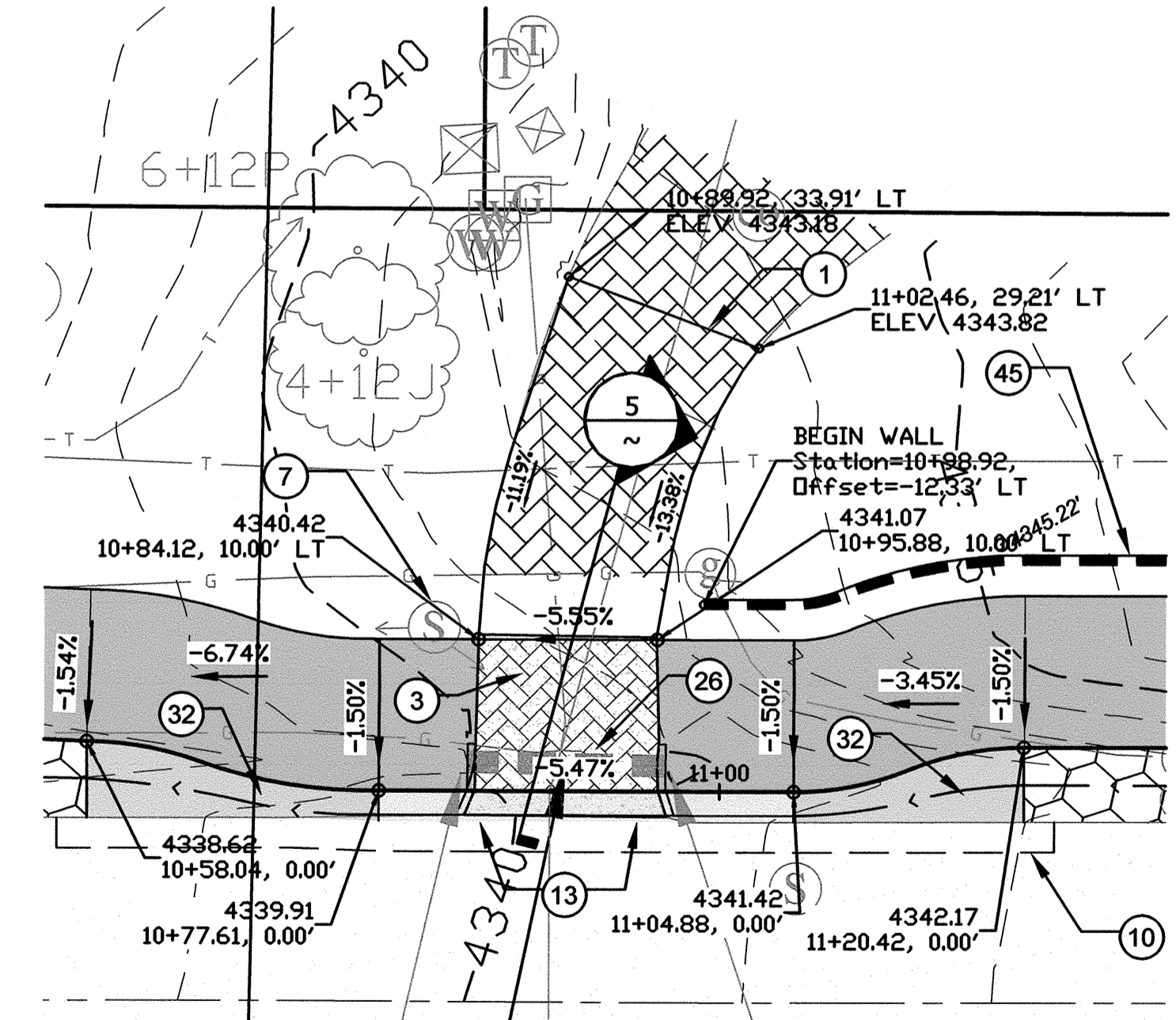
3 STA 6+25
GENEVA DRIVE
1" = 10'-0"



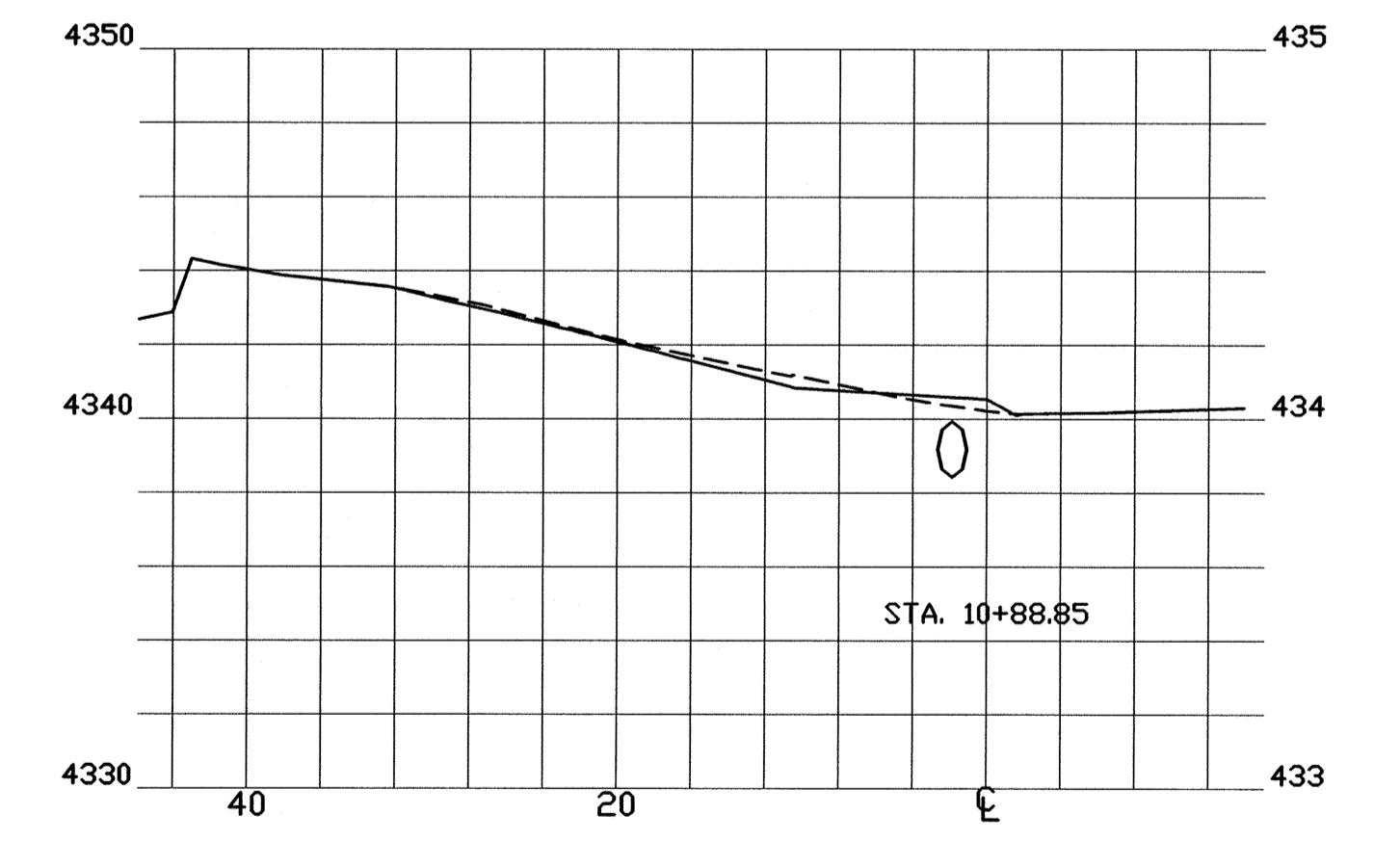
4 STA 8+39.51
DRIVEWAY TO LOT 37
1" = 10'-0"



4 STA 8+39.51
DRIVEWAY TO LOT 37
1" = 10'-0"



5 STA 10 + 89.01
DRIVEWAY TO LOT 35
1" = 10'-0"



5 STA 10 + 89.01
DRIVEWAY TO LOT 35
1" = 10'-0"

| KEY NOTES | |
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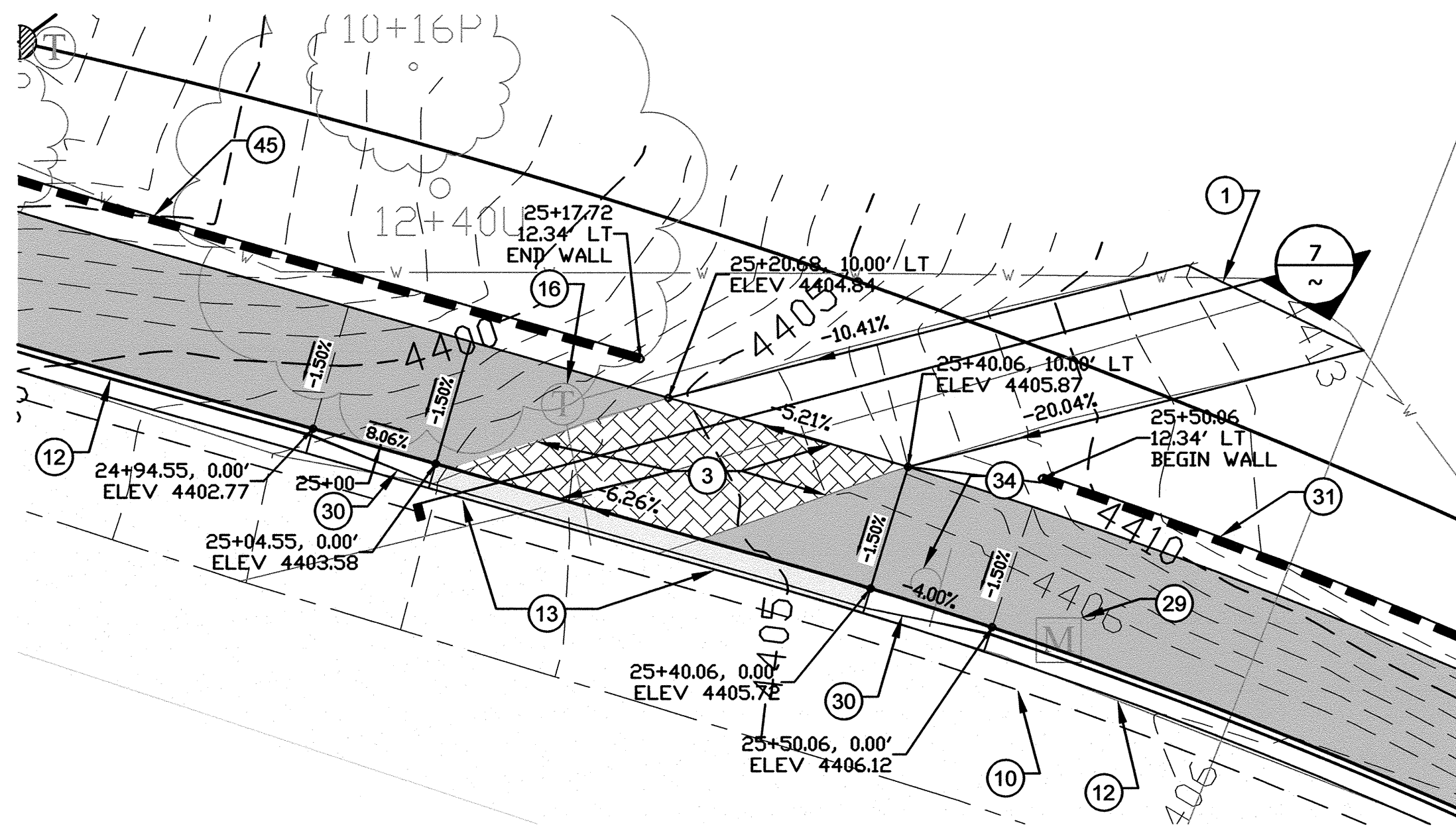
CHAPEL ROAD SHARED USE PATH GRADING & DRAINAGE PLANS

ENLARGEMENTS 1

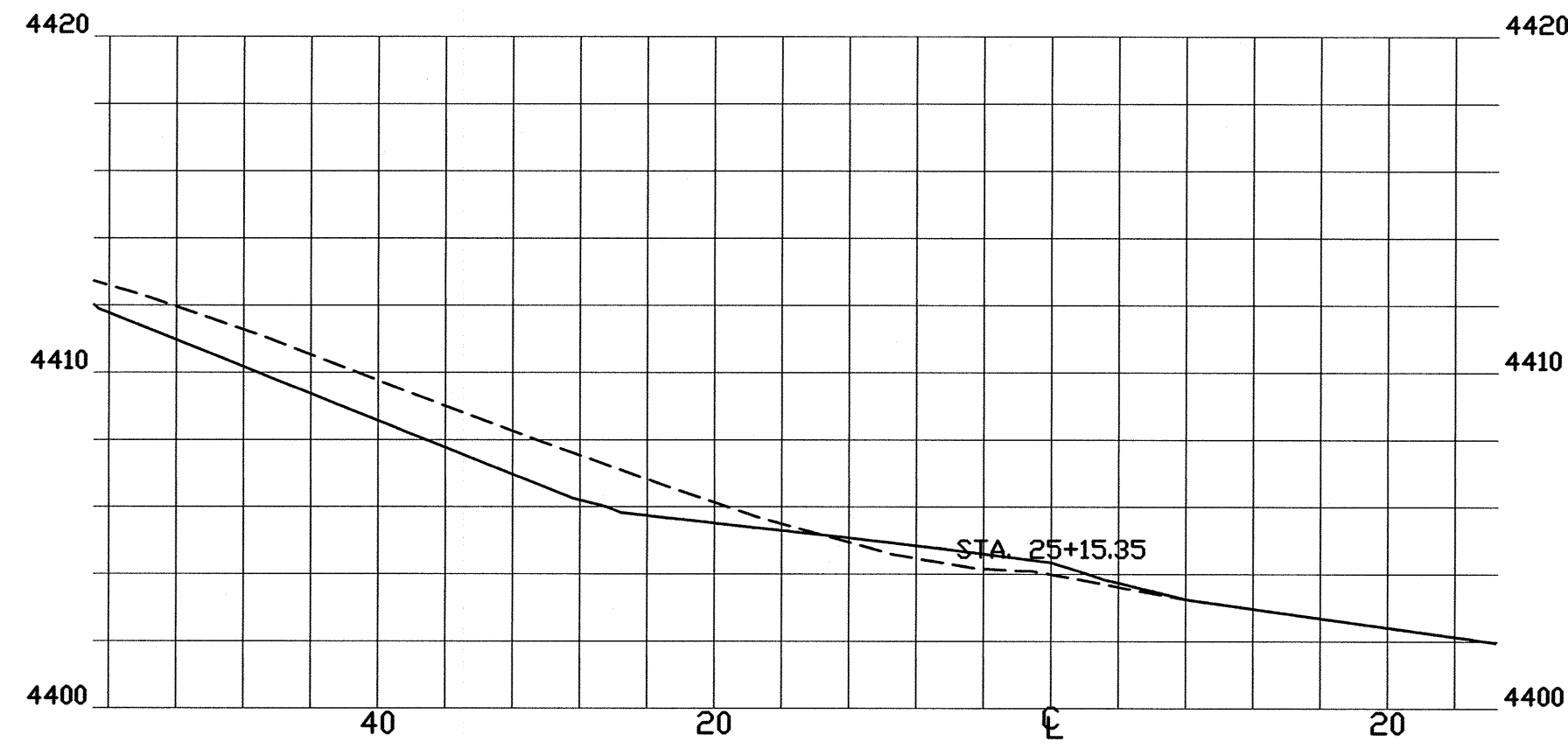
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|-------------------|-----------------|-------------------------|
| DATE 6/30/2020 | DRAWN FKH/NJ | SHEET 8 OF 13 |
| SCALE NOTED | CHECKED KG | PROJECT NO. 19-0811E |

20 STUTZ BEARCAT #6
SEDONA, AZ 86336
(928) 282-7787

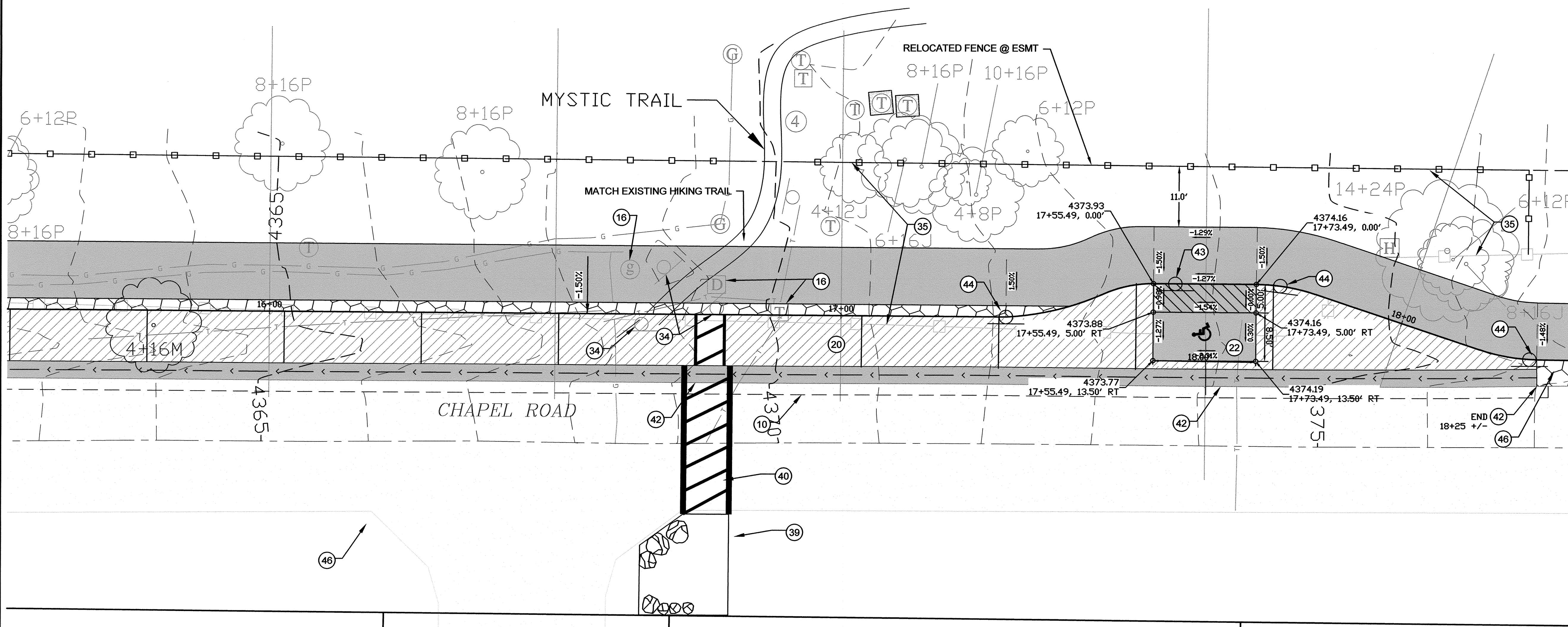
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7 STA 25+18
DRIVEWAY TO LOT 27
SCALE: 1" = 10'-0"



7 STA 25+18
DRIVEWAY TO LOT 27
SCALE: 1" = 10'-0"



6 MYSTIC TRAILHEAD AREA
ENLARGED PLAN
SCALE: 1" = 10'-0"



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| 16 | INSTALL NEW PIPE WITH END SECTION TO EXISTING CULVERT. MATCH SIZE AND TYPE. LENGTH PER PLAN PER PLAN. |
| 17 | NOT USED |
| 18 | INSTALL PAVED PARALLEL PARKING. 9'x24' STALLS PER CDS GENERAL CONDITIONS 2020 |
| 19 | END OF PATHWAY. CROSSWALK PAD. |
| 20 | INSTALL CONCRETE ACCESSIBLE HANDICAP PARKING SPACE. STRIPING AND SIGNAGE PER ADA STANDARDS |
| 21 | INSTALL 0.5' DEEP RIPRAP SWALE PER DETAIL 1, SHEET 11. |
| 22 | REMOVE EXISTING HEADWALL. |
| 23 | ADJUST EXISTING UTILITY APPURTENANCE TO FINISHED GRADE OR ADJUST GRADING TO MATCH APPURTENANCE |
| 24 | REMOVE EXISTING DRAINAGE PIPE. GRADE ADJACENT GROUND TO DRAIN. |
| 25 | INSTALL NEW 10' WIDE SHARED USE PATHWAY PER DETAIL 1 ON 13. |
| 26 | INSTALL 2' WIDE D=4" RIPRAP ISLAND BETWEEN PARKING AND PATHWAY |
| 27 | RELOCATE EXISTING MAIL BOX PER POST OFFICE. |
| 28 | VERTICAL TO ROLL CURB TRANSITION PER MSD 221 |
| 29 | INSTALL DRY STACK RED ROCK BOULDER WALL PER DETAIL 3 ON SHEET 11. PRESERVE EXISTING ROCK WHERE POSSIBLE. USE WALL PROFILE VIEW FOR ELEVATION. |
| 30 | PROVIDE 4" THICK CONCRETE TRANSITION TO DRAIN SWALE. TROWEL FLOWPATH AS SHOWN |
| 31 | EXISTING TRAFFIC MIRROR. REMOVE AND REPLACE. |
| 32 | RELOCATE EXISTING SIGN |
| 33 | MOVE EXIST FENCE (STA 14+25-STA 18+15) TO RIGHT-OF-WAY LINE. INSTALL 4 STRAND, SMOOTH WIRE ON TEE POSTS. |
| 34 | PROTECT EXISTING TREE IN PLACE. TRIM BRANCHES EXTENDING INTO THE PATHWAY AS NEEDED. CONTACT CDS FOR GUIDANCE. |
| 35 | TRANSITION VERTICAL CURB TO CROSSWALK. GENERAL SPECIFICATIONS 2020. |
| 36 | PRESERVE EXISTING CMP IN PLACE |
| 37 | CONSTRUCT 4" GRAVEL PAD FOR PEDESTRIANS. PROVIDE 2' TO 3' DIAMETER BOULDERS AROUND PERIMETER AS SHOWN |
| 38 | PAINTED CROSSWALK 8' WIDE, 12" STRIPE. CDS GENERAL STANDARDS 2020 |
| 39 | INSTALL CATCH BASIN PER PLAN |
| 40 | INSTALL VALLEY GUTTER PER MSD 240. MODIFY WIDTH TO BE 3'. |
| 41 | INSTALL HANDICAP PARKING SIGN (MUTCD R7-8) |
| 42 | INSTALL SIGN: 'NO PARKING BETWEEN SIGNS' (MUTCD R7-1) |
| 43 | INSTALL RETAINING WALL PER DETAIL 2, SHEET 11. DRY STACK WALL MAY BE SUBSTITUTED IN CERTAIN AREAS WITH AUTHORIZATION FROM THE CITY OF SEDONA. |
| 44 | INSTALL MUTCD R1-6A STOP FOR PEDESTRIANS SIGN |
| 45 | |
| 46 | |

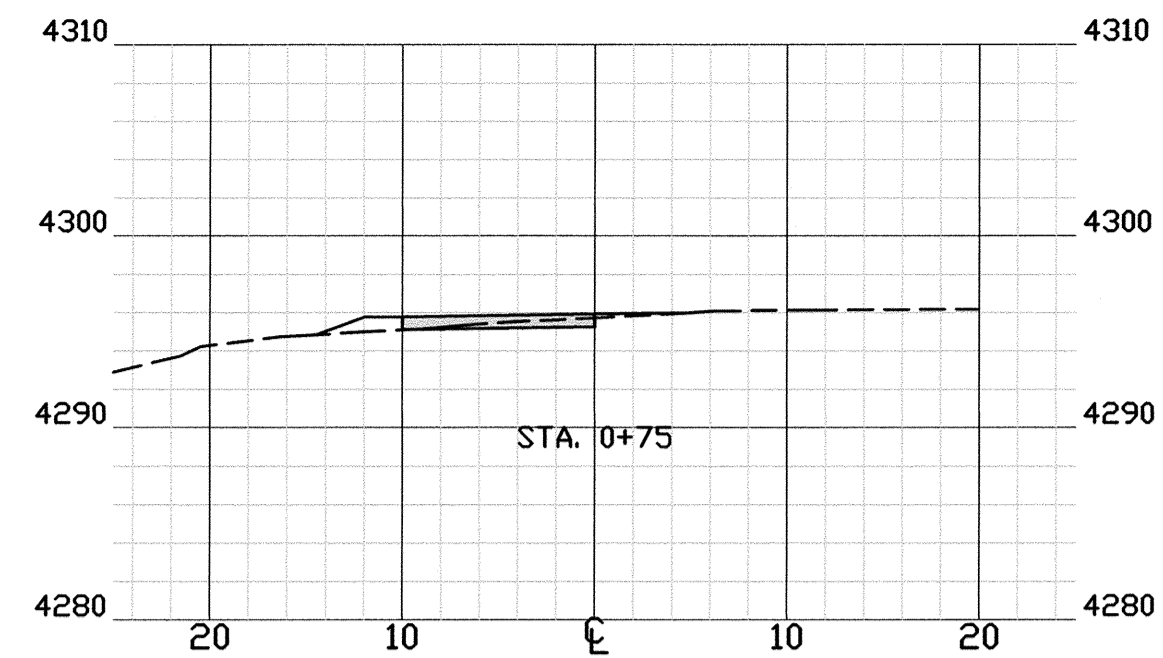


**CHAPEL ROAD SHARED USE PATH
GRADING & DRAINAGE PLANS**

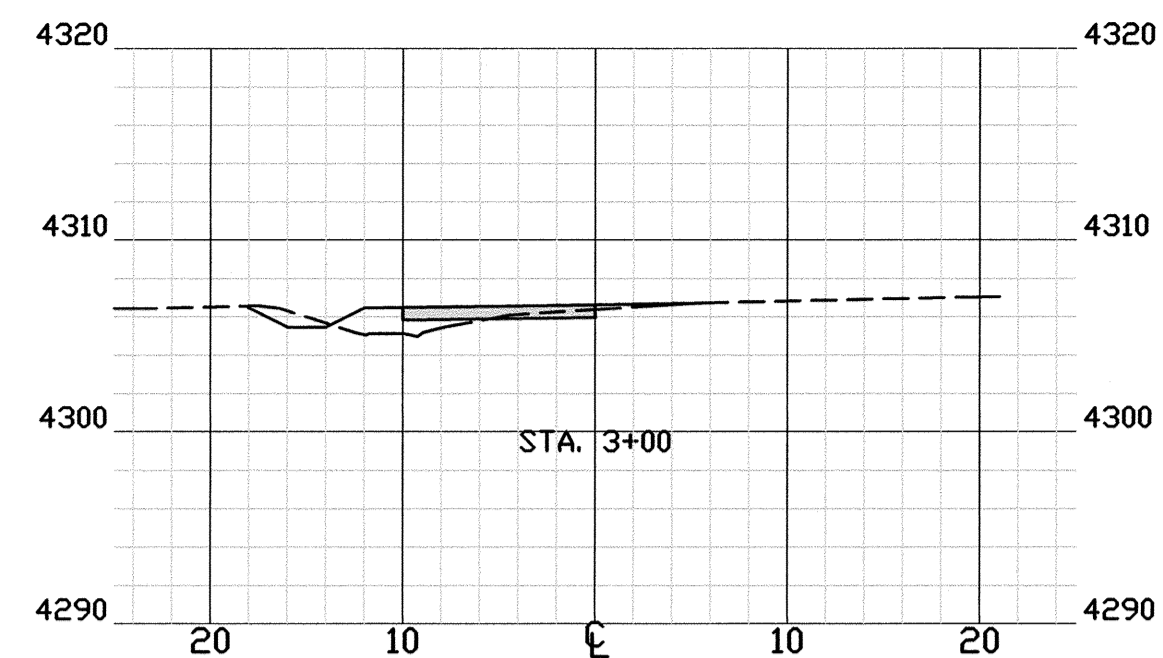
ENLARGEMENTS 2

| | | | |
|--|-------------------|-----------------|-------------------------|
| <p>20 STUTZ BEARGAT #6 SEDONA, AZ 86336 (928) 282-7787</p> | DATE 6/30/2020 | DRAWN FKH/NU | SHEET 9 OF 13 |
| | SCALE NOTED | CHECKED KG | PROJECT NO. 19-0811E |

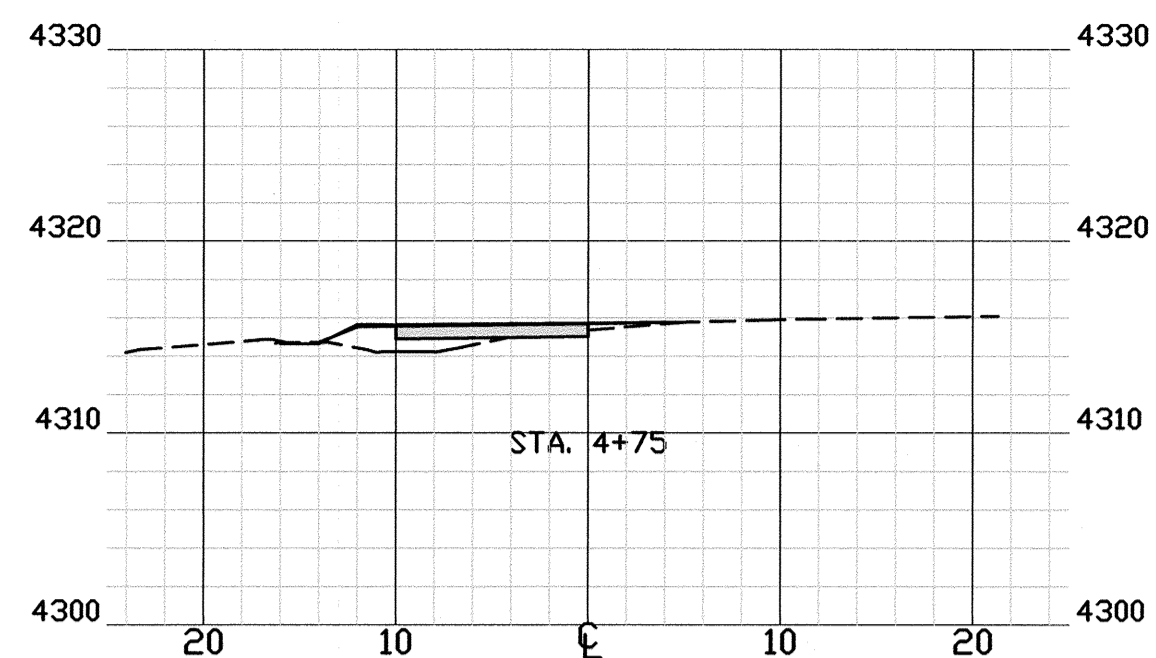
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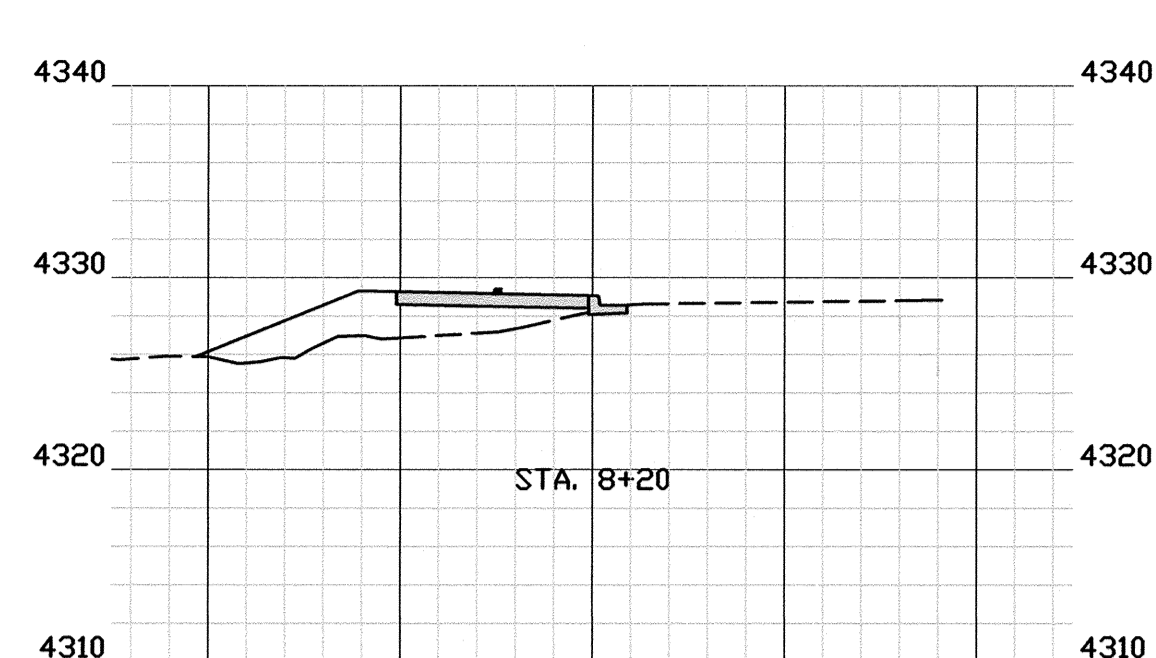
1 STA. 0+75
4 1.5% CROSS SLOPE, NO CURB 1" = 10'-0"



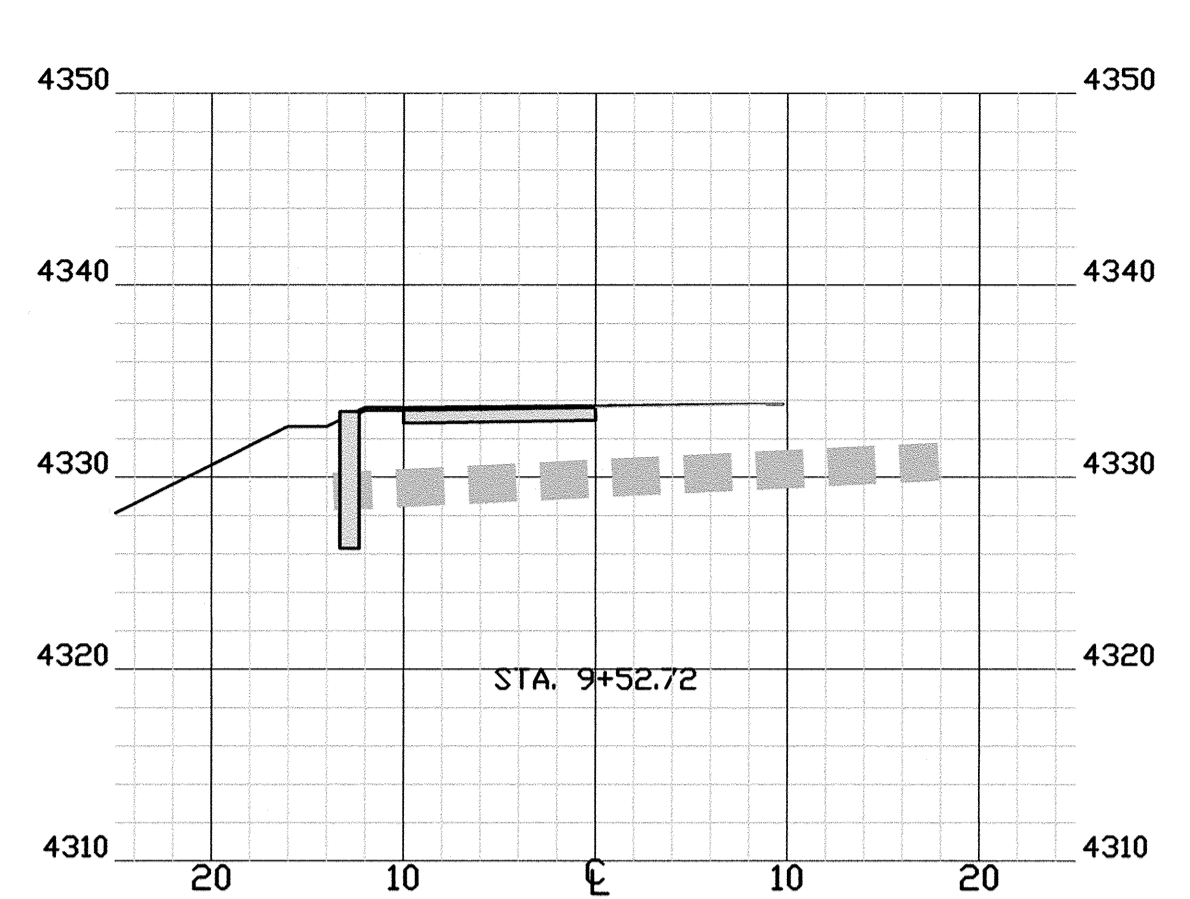
2 STA. 3+00
4 1.5% CROSS SLOPE WITH DITCH 1" = 10'-0"



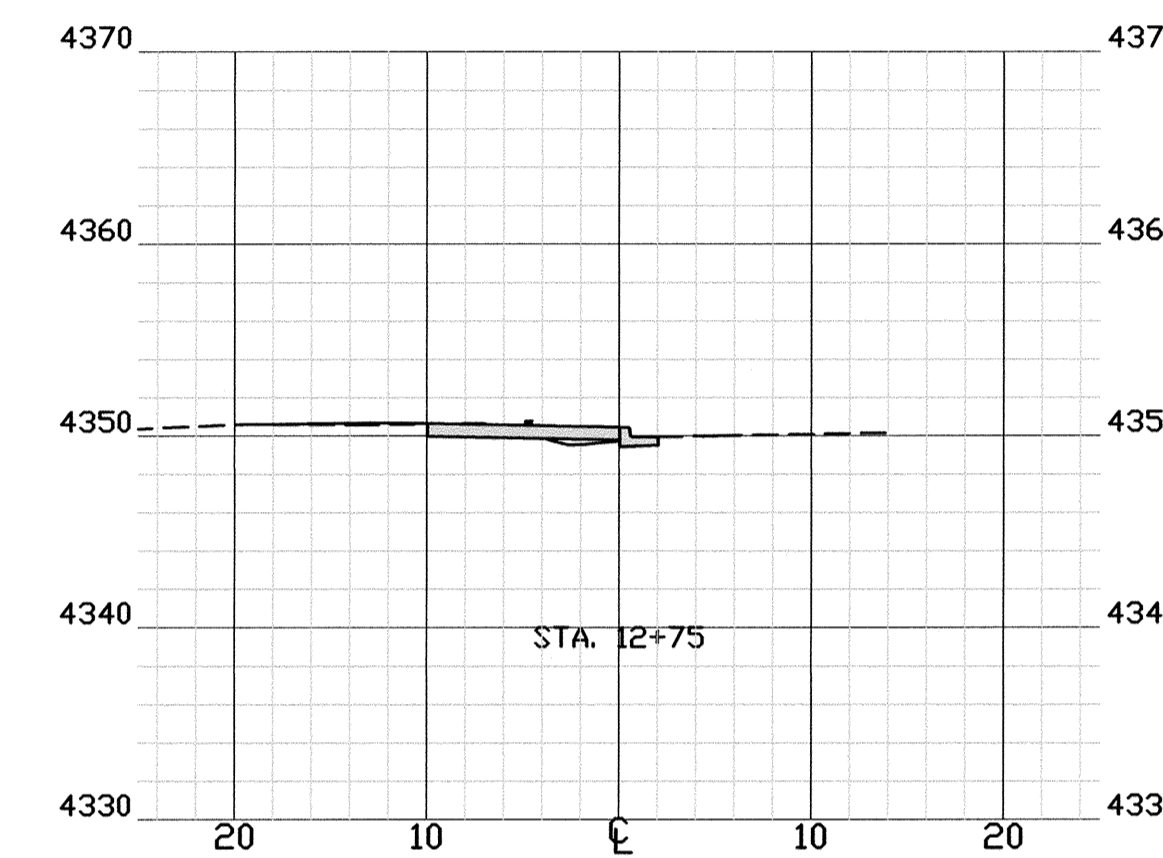
3 STA. 4+75
5 1.5% CROSS SLOPE, 5' OFFSET 1" = 10'-0"



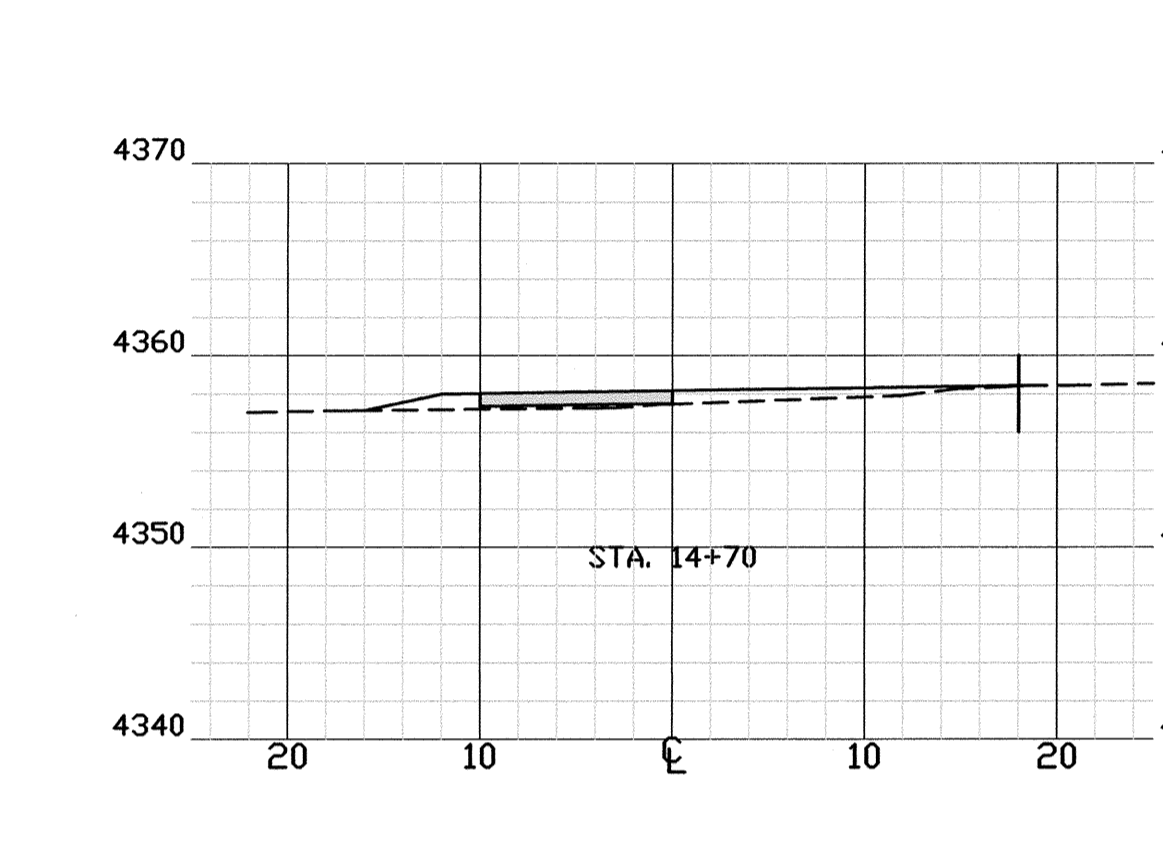
4 STA. 8+20
5 2% CROSS SLOPE, VERTICAL CURB 1" = 10'-0"



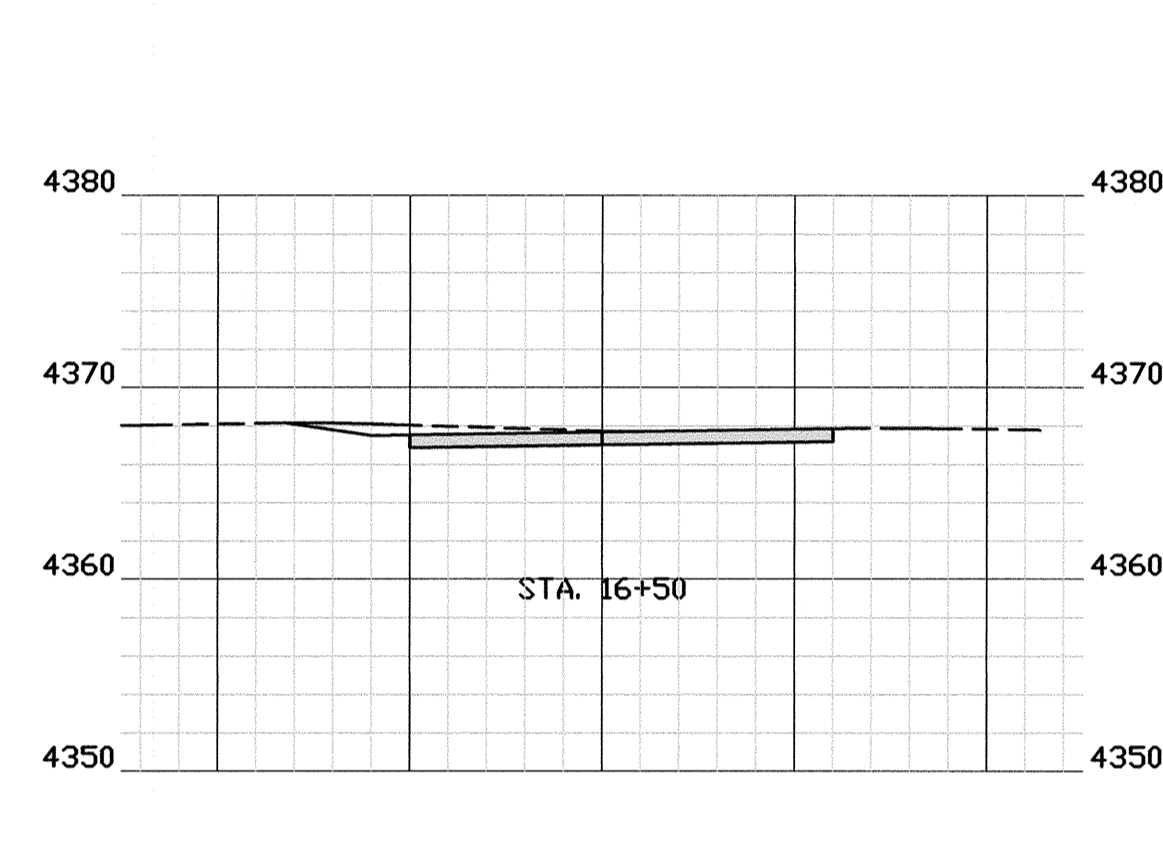
5 STA. 9+52.72
6 PIPE EXTENSION WITH NEW HEADWALL 1" = 10'-0"



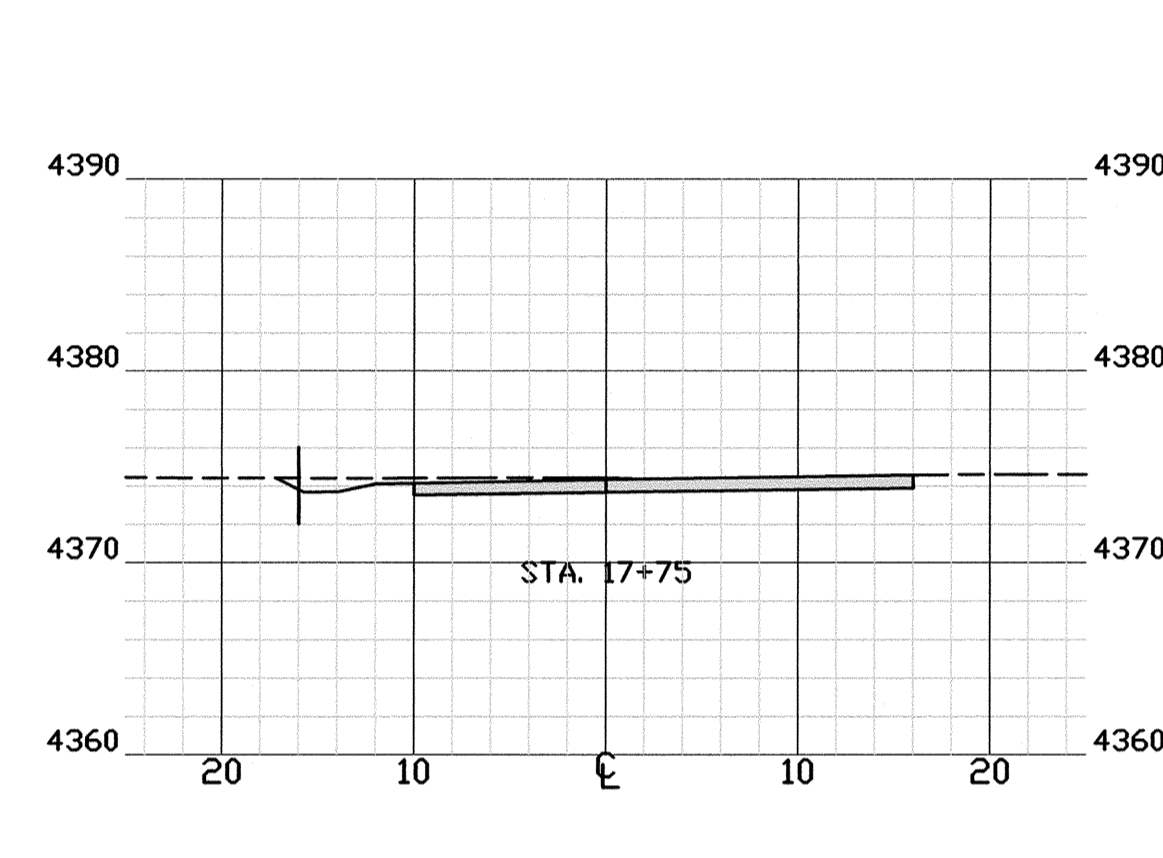
1 STA. 12+75
4 VERTICAL CURB NEAR DISCHARGE 1" = 10'-0"



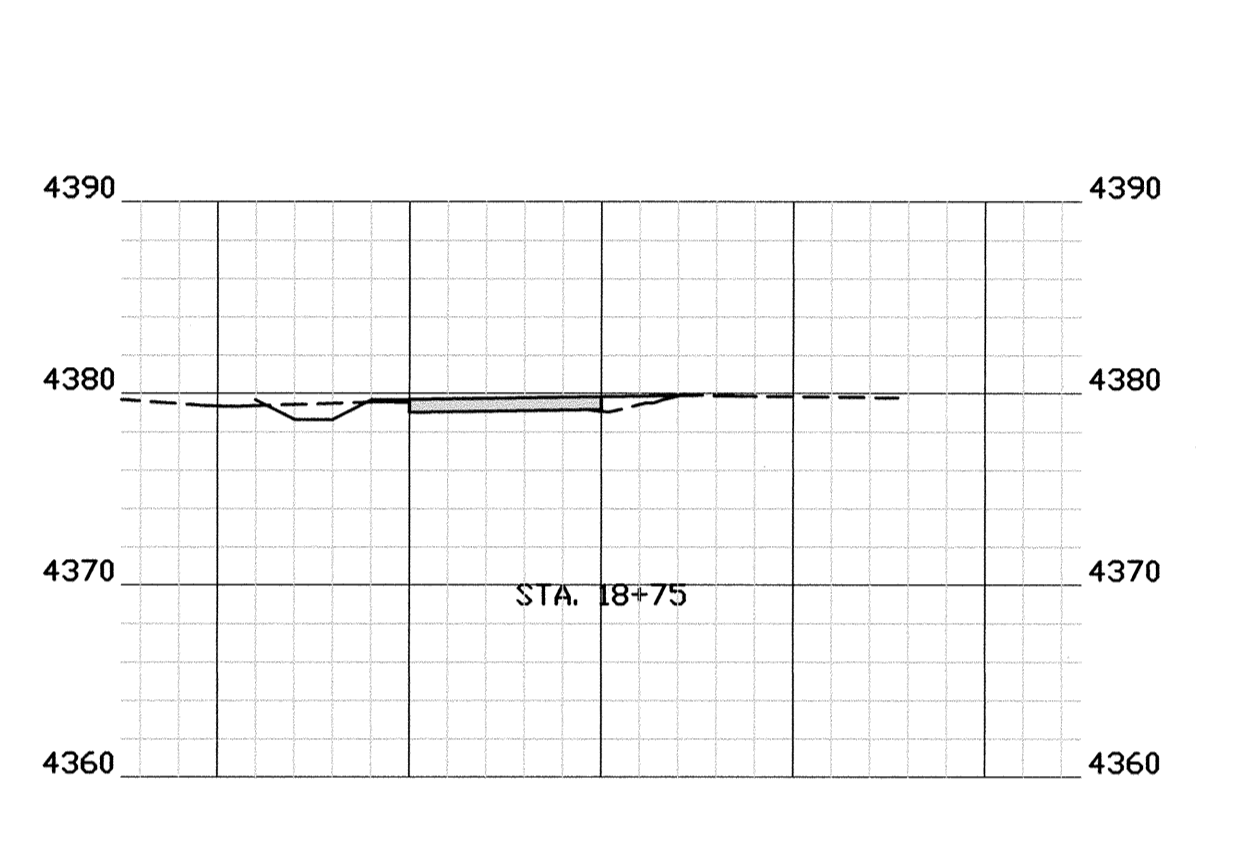
2 STA. 14+70
4 1.5% CROSS SLOPE, DIVERSION FOR TREES 1" = 10'-0"



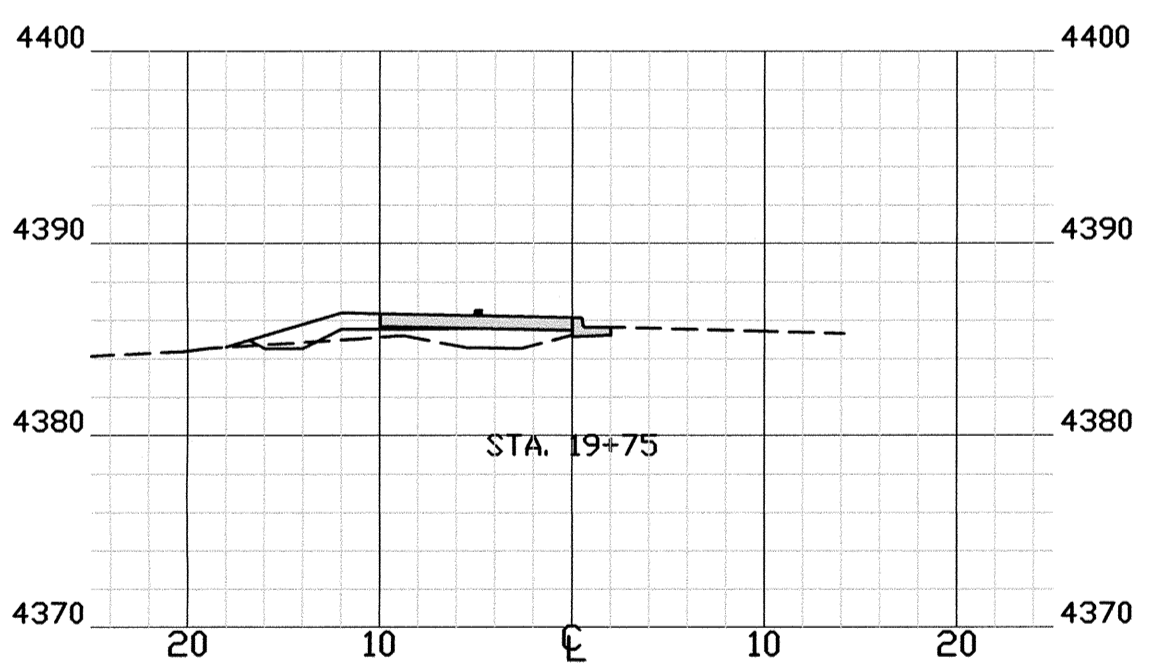
3 STA. 16+50
5 1.5% CROSS SLOPE, 12' WIDE PARKING LANE 1" = 10'-0"



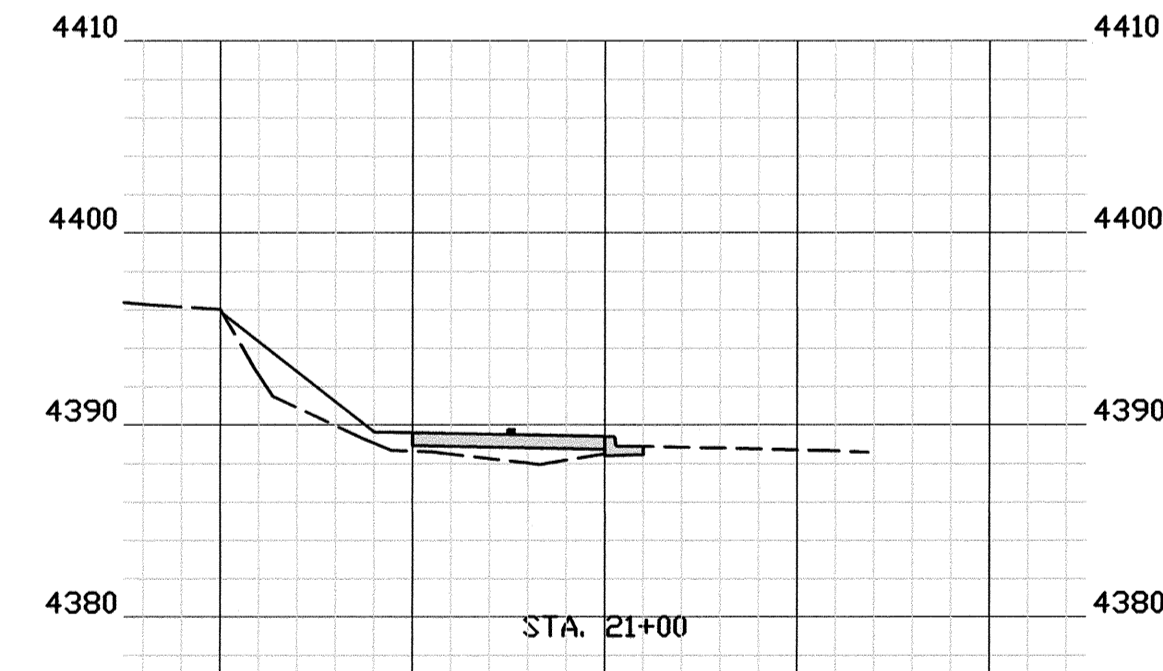
4 STA. 17+75
5 1.5% CROSS SLOPE 16' WIDE HC PARKING 1" = 10'-0"



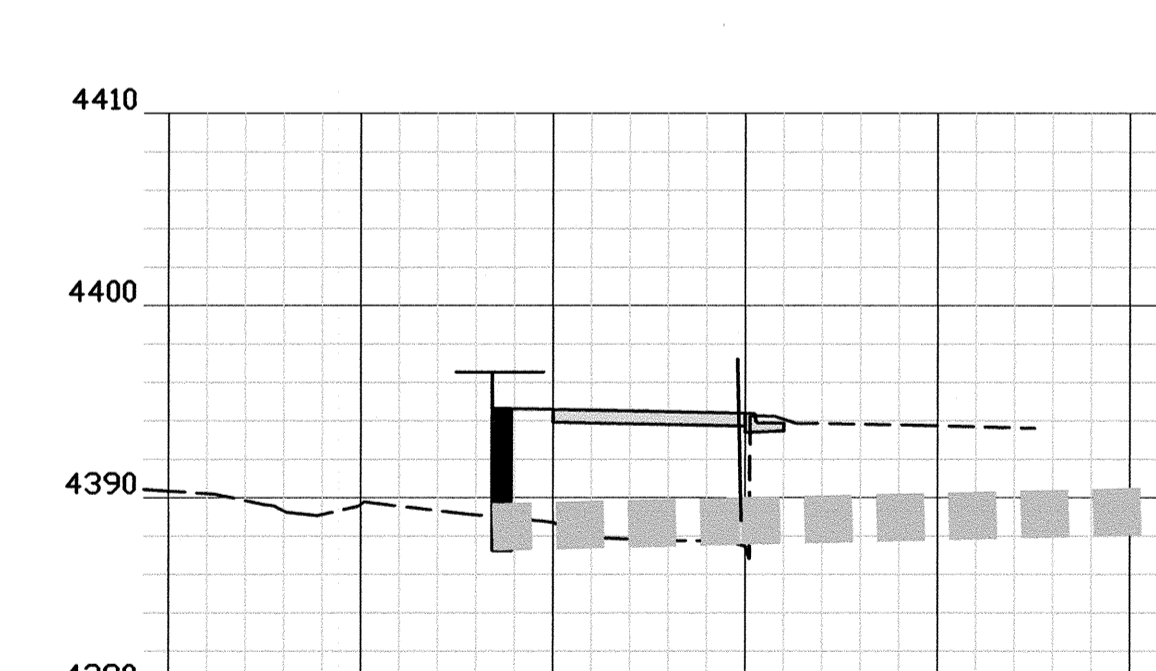
5 STA. 18+75
6 1.5% CROSS SLOPE, 5' OFFSET 1" = 10'-0"



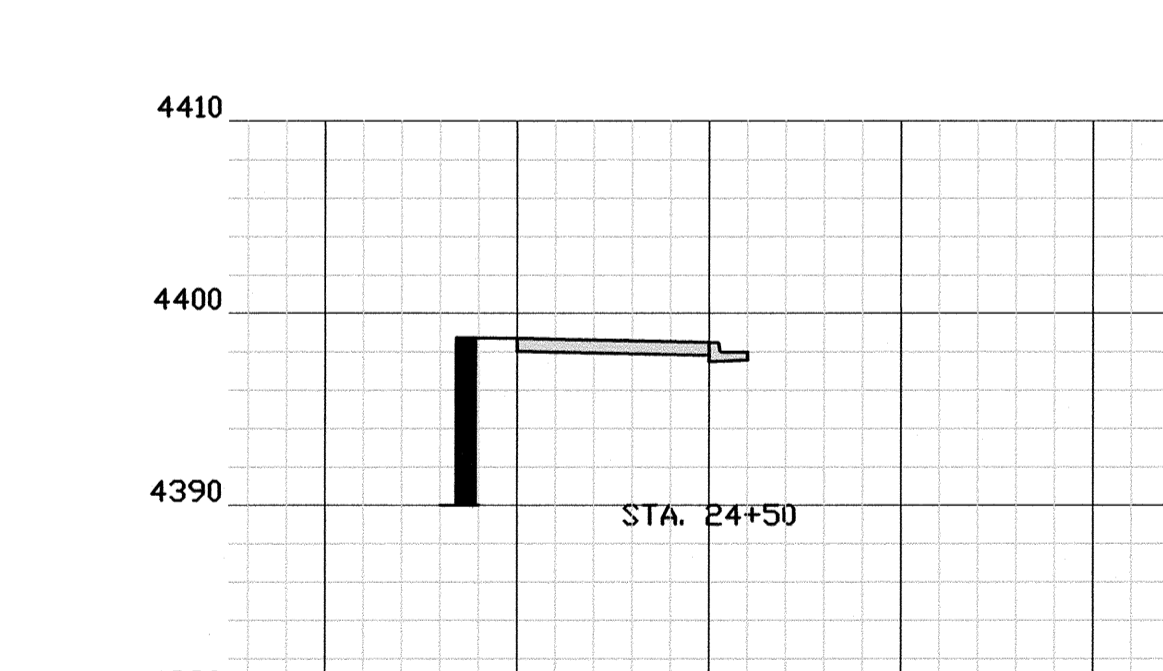
5 STA. 19+75
6 2% CROSS SLOPE WITH VERTICAL CURB 1" = 10'-0"



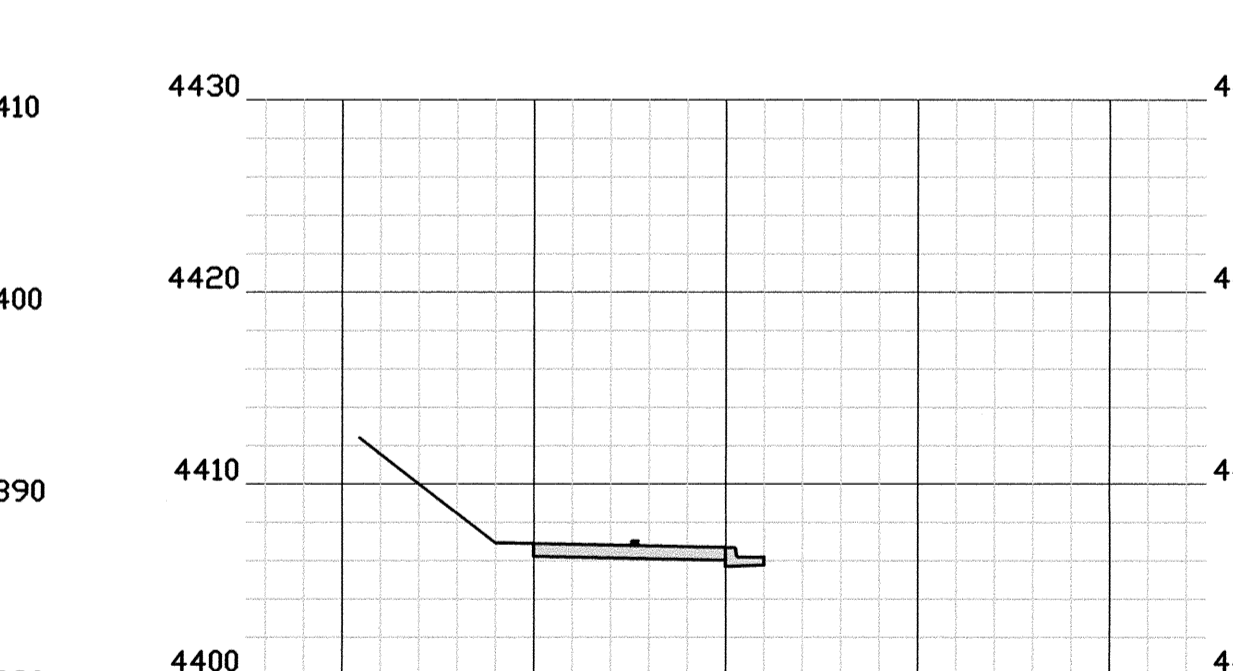
5 STA. 21+00
6 2% CROSS SLOPE WITH VERTICAL CURB IN CUT 1" = 10'-0"



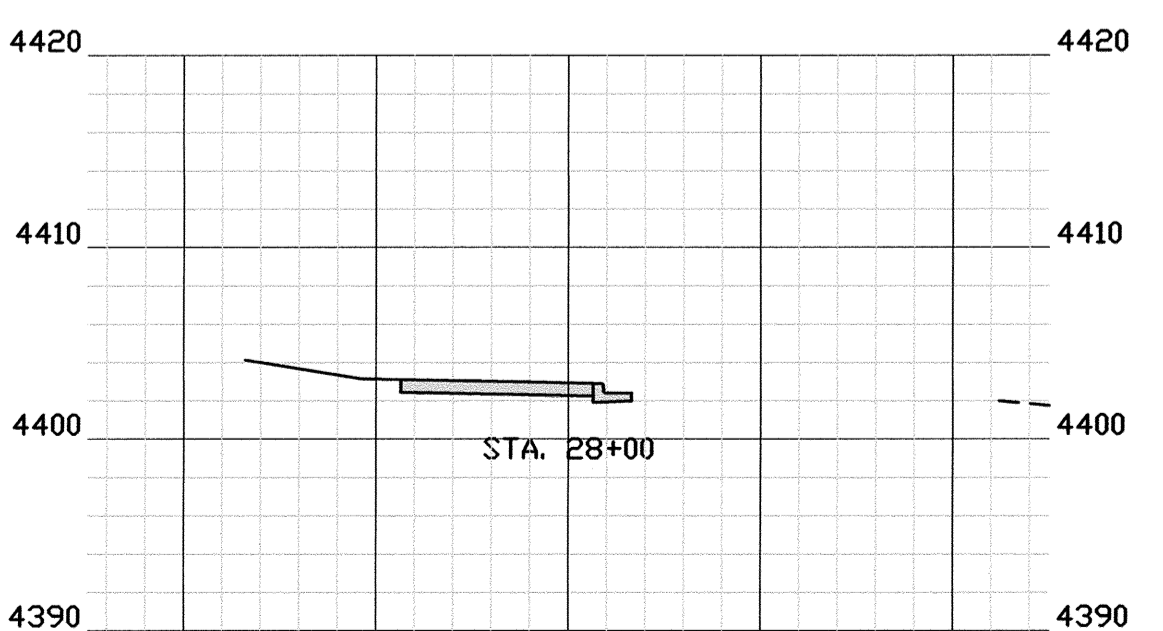
5 STA. 24+07
6 2% CROSS SLOPE WITH VERT CURB WITH NEW HEADWALL 1" = 10'-0"



5 STA. 24+50
6 2% CROSS SLOPE WITH VERT CURB WITH NEW HEADWALL 1" = 10'-0"



5 STA. 25+75
6 2% CROSS SLOPE WITH VERT CURB IN ROCK CUT 1" = 10'-0"



5 STA. 28+00
6 2% CROSS SLOPE WITH VERT CURB IN SHEET DRAINAGE 1" = 10'-0"



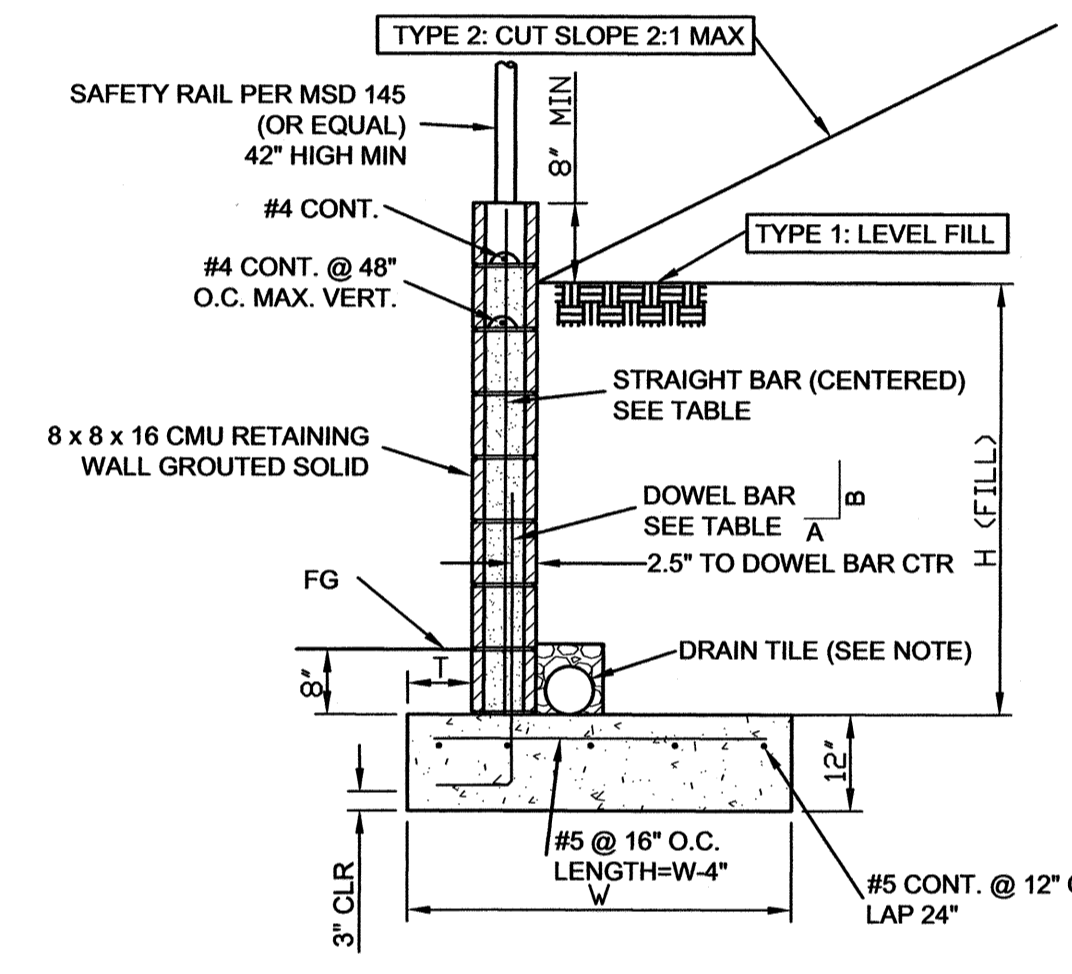
CHAPEL ROAD SHARED USE PATH
GRADING & DRAINAGE PLANS



20 STUTZ BEARCAT #6
SEDONA, AZ 86336
(928) 282-7787

| CROSS SECTIONS | | |
|-------------------|-----------------|-------------------------|
| DATE 6/30/2020 | DRAWN FKH/NJ | SHEET 10 OF 13 |
| SCALE NOTED | CHECKED KG | PROJECT NO. 19-0811E |

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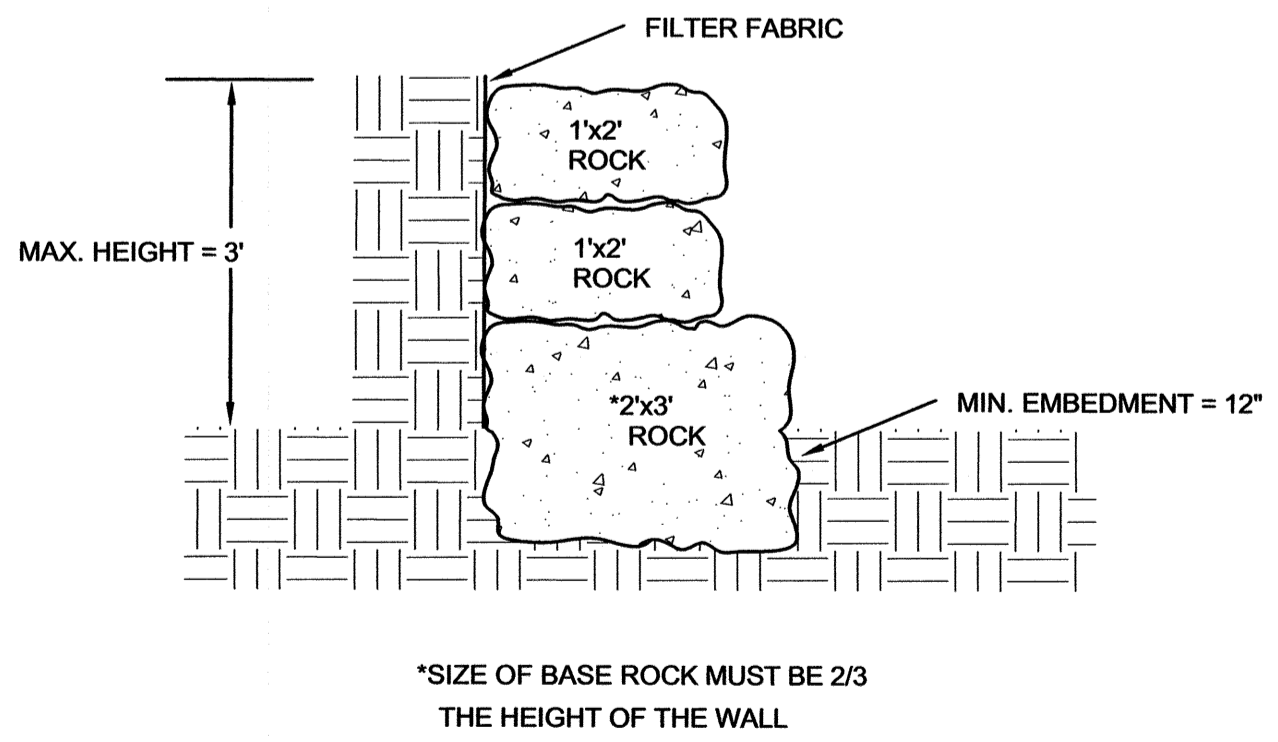
| RETAINING WALL TYPE 1 - LEVEL FILL | | | | | | | | | | |
|------------------------------------|----------------------|-------------|-----------------------|---------|-------|-------|-------------------------|---------|--------|-------|
| FILL HT (H) FT | FOOTING WIDTH (W) FT | TDE (T) IN. | DOWEL BAR (DIRT SIDE) | | | | STRAIGHT BAR (CENTERED) | | | |
| | | | SIZE | SPACING | A | B | SIZE | SPACING | LENGTH | LAP |
| 4 | 3'-8" | 8 | #4 | 32" DC | 1'-0" | 2'-9" | #4 | 32" DC | 4'-6" | 2'-0" |
| 6 | 4'-8" | 8 | #5 | 16" DC | 1'-0" | 3'-9" | #5 | 32" DC | 6'-6" | 3'-0" |
| 8 | 5'-8" | 8 | #5 | 8" DC | 1'-0" | 3'-9" | #5 | 16" DC | 8'-6" | 3'-0" |
| 10 | 7'-0" | 8 | (2) #5 | 8" DC | 1'-0" | 3'-9" | #5 | 16" DC | 10'-6" | 3'-0" |

| RETAINING WALL TYPE 2 - 2:1 MAX CUT SLOPE | | | | | | | | | | |
|---|----------------------|-------------|-----------------------|---------|-------|-------|-------------------------|---------|--------|-------|
| FILL HT (H) FT | FOOTING WIDTH (W) FT | TDE (T) IN. | DOWEL BAR (DIRT SIDE) | | | | STRAIGHT BAR (CENTERED) | | | |
| | | | SIZE | SPACING | A | B | SIZE | SPACING | LENGTH | LAP |
| 4 | 5'-0" | 1'-4" | #4 | 32" DC | 1'-8" | 2'-9" | #4 | 32" DC | 4'-6" | 2'-0" |
| 6 | 6'-9" | 3'-1" | #5 | 16" DC | 3'-4" | 2'-9" | #4 | 32" DC | 6'-6" | 2'-0" |
| 8 | 8'-0" | 4'-4" | #5 | 8" DC | 4'-6" | 3'-9" | #4 | 32" DC | 8'-6" | 3'-0" |
| 10 | 9'-0" | 5'-4" | (2) #5 | 8" DC | 5'-8" | 3'-9" | #5 | 16" DC | 10'-6" | 3'-0" |

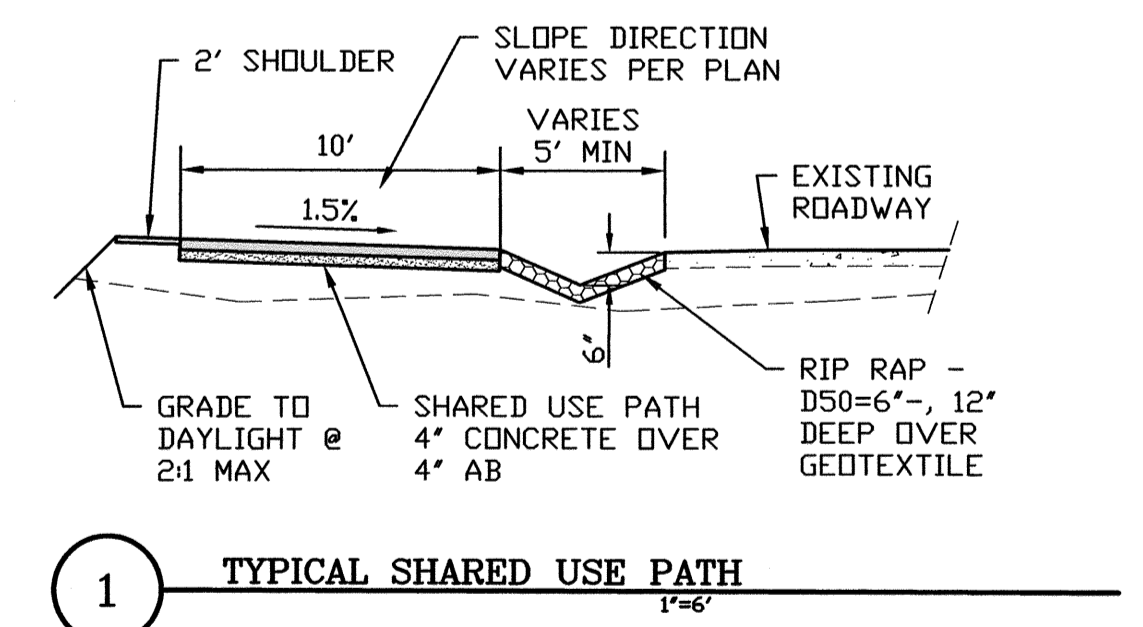
DRAIN TILE NOTE
 12"x12" TRENCH
 4" PERFORATED PIPE
 1" LEACH ROCK
 GF4-NW GEO-FABRIC
 DRAIN TO DAYLIGHT

MATERIALS
 CONCRETE: Fc=3,000 PSI
 REINFORCING: Fy=60,000 PSI (GRADE 60)
 MASONRY
 BLOCK: Fm=1,500 PSI
 MORTAR: Fc=2,000 PSI
 GROUT: Fc=3,000 PSI

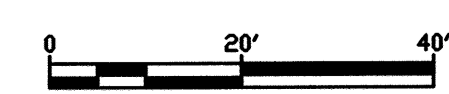
2 RETAINING WALL TYPE 1 & 2 NO SCALE



3 DRY STACK WALL 1'=3'
 CITY OF SEDONA STANDARD DETAIL MAY BE SUBSTITUTED WITH COORDINATION FROM CITY PROJECT MANAGER.



1 TYPICAL SHARED USE PATH 1"=6'



| CHAPEL ROAD SHARED USE PATH GRADING & DRAINAGE PLANS | | |
|---|-------------------|-------------------|
| DETAILS | | |
| 20 STUTZ BEARCAT #6 SEDONA, AZ 86336 (928) 282-7787 | DATE 6/30/2020 | SHEET 11 OF 13 |
| | SCALE NOTED | CHECKED KG |

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Alignment: BASELINE-EDGE OF PATH

| Description | PT Station | Northing | Easting |
|-------------|------------|------------|-----------|
| Start: | 0+00.00 | 1394530.48 | 742079.52 |
| End: | 1+10.40 | 1394534.46 | 742189.84 |

| Parameter | Value | Parameter | Value |
|-----------|--------|-----------|----------------------|
| Length: | 110.40 | Course: | N 87° 56' 07.0345" E |

| Description | PT Station | Northing | Easting |
|-------------|------------|------------|-----------|
| Start: | 1+10.40 | 1394534.46 | 742189.84 |
| End: | 1+94.87 | 1394534.54 | 742274.31 |

| Parameter | Value | Parameter | Value |
|-----------|-------|-----------|----------------------|
| Length: | 84.47 | Course: | N 89° 56' 30.1065" E |

| Description | Station | Northing | Easting |
|-------------|---------|------------|-----------|
| PC: | 1+94.87 | 1394534.54 | 742274.31 |
| RP: | | 1394512.54 | 742274.34 |
| PCC: | 2+02.26 | 1394533.32 | 742281.57 |

| Parameter | Value | Parameter | Value |
|-----------|------------------|-----------|----------------------|
| Delta: | 19° 15' 54.0087" | Type: | RIGHT |
| Radius: | 22.00 | DOC: | 260° 26' 07.3088" |
| Length: | 7.40 | Tangent: | 3.73 |
| Mid-Ord: | 0.31 | External: | 0.31 |
| Chord: | 7.36 | Course: | S 80° 25' 32.8892" E |

| Description | Station | Northing | Easting |
|-------------|---------|------------|-----------|
| PCC: | 2+02.26 | 1394533.32 | 742281.57 |
| RP: | | 1394563.54 | 742292.10 |
| PT: | 2+14.23 | 1394531.56 | 742293.34 |

| Parameter | Value | Parameter | Value |
|-----------|------------------|-----------|----------------------|
| Delta: | 21° 25' 22.1449" | Type: | LEFT |
| Radius: | 32.00 | DOC: | 179° 02' 57.5255" |
| Length: | 11.96 | Tangent: | 6.05 |
| Mid-Ord: | 0.56 | External: | 0.57 |
| Chord: | 11.90 | Course: | S 81° 30' 16.9572" E |

| Description | PT Station | Northing | Easting |
|-------------|------------|------------|-----------|
| Start: | 2+14.23 | 1394531.56 | 742293.34 |
| End: | 2+38.23 | 1394531.65 | 742317.34 |

| Parameter | Value | Parameter | Value |
|-----------|-------|-----------|----------------------|
| Length: | 24.01 | Course: | N 89° 46' 52.2526" E |

| Description | Station | Northing | Easting |
|-------------|---------|------------|-----------|
| PC: | 2+38.23 | 1394531.65 | 742317.34 |
| RP: | | 1394563.65 | 742316.93 |
| PCC: | 2+48.32 | 1394533.35 | 742327.24 |

| Parameter | Value | Parameter | Value |
|-----------|------------------|-----------|----------------------|
| Delta: | 18° 03' 15.9900" | Type: | LEFT |
| Radius: | 32.00 | DOC: | 179° 02' 57.5252" |
| Length: | 10.08 | Tangent: | 5.08 |
| Mid-Ord: | 0.40 | External: | 0.40 |
| Chord: | 10.04 | Course: | N 80° 14' 19.2577" E |

| Description | Station | Northing | Easting |
|-------------|---------|------------|-----------|
| PCC: | 2+48.32 | 1394533.35 | 742327.24 |
| RP: | | 1394512.53 | 742334.33 |
| PT: | 2+55.51 | 1394534.53 | 742334.30 |

| Parameter | Value | Parameter | Value |
|-----------|------------------|-----------|----------------------|
| Delta: | 18° 43' 30.7883" | Type: | RIGHT |
| Radius: | 22.00 | DOC: | 260° 26' 07.3090" |
| Length: | 7.19 | Tangent: | 3.63 |
| Mid-Ord: | 0.29 | External: | 0.30 |
| Chord: | 7.16 | Course: | N 80° 34' 26.6569" E |

| Description | PT Station | Northing | Easting |
|-------------|------------|------------|-----------|
| Start: | 2+55.51 | 1394534.53 | 742334.30 |

| Description | PT Station | Northing | Easting |
|-------------|------------|------------|-----------|
| Start: | 2+55.51 | 1394534.53 | 742334.30 |
| End: | 3+88.13 | 1394534.67 | 742466.92 |

| Parameter | Value | Parameter | Value |
|-----------|--------|-----------|----------------------|
| Length: | 132.62 | Course: | N 89° 56' 12.0510" E |

| Description | Station | Northing | Easting |
|-------------|---------|------------|-----------|
| PC: | 3+88.13 | 1394534.67 | 742466.92 |
| RP: | | 1394512.67 | 742466.87 |
| PCC: | 3+95.81 | 1394533.33 | 742474.44 |

| Parameter | Value | Parameter | Value |
|-----------|------------------|-----------|----------------------|
| Delta: | 20° 00' 03.2856" | Type: | RIGHT |
| Radius: | 22.00 | DOC: | 260° 26' 07.3097" |
| Length: | 7.68 | Tangent: | 3.88 |
| Mid-Ord: | 0.33 | External: | 0.34 |
| Chord: | 7.64 | Course: | S 79° 51' 18.2232" E |

| Description | Station | Northing | Easting |
|-------------|---------|------------|-----------|
| PCC: | 3+95.81 | 1394533.33 | 742474.44 |
| RP: | | 1394563.37 | 742485.47 |
| PT: | 4+07.81 | 1394531.38 | 742486.21 |

| Parameter | Value | Parameter | Value |
|-----------|------------------|-----------|----------------------|
| Delta: | 21° 28' 54.6179" | Type: | LEFT |
| Radius: | 32.00 | DOC: | 179° 02' 57.5249" |
| Length: | 12.00 | Tangent: | 6.07 |
| Mid-Ord: | 0.56 | External: | 0.57 |
| Chord: | 11.93 | Course: | S 80° 35' 43.8893" E |

| Description | PT Station | Northing | Easting |
|-------------|------------|------------|-----------|
| Start: | 4+07.81 | 1394531.38 | 742486.21 |
| End: | 4+43.81 | 1394531.37 | 742522.21 |

| Parameter | Value | Parameter | Value |
|-----------|-------|-----------|----------------------|
| Length: | 36.00 | Course: | S 89° 59' 41.9007" E |

| Description | Station | Northing | Easting |
|-------------|---------|------------|-----------|
| PC: | 4+43.81 | 1394531.37 | 742522.21 |
| RP: | | 1394563.37 | 742522.21 |
| PCC: | 4+54.84 | 1394533.26 | 742533.03 |

| Parameter | Value | Parameter | Value |
|-----------|------------------|-----------|----------------------|
| Delta: | 19° 45' 09.5786" | Type: | LEFT |
| Radius: | 32.00 | DOC: | 179° 02' 57.5251" |
| Length: | 11.03 | Tangent: | 5.57 |
| Mid-Ord: | 0.47 | External: | 0.48 |
| Chord: | 10.98 | Course: | N 80° 07' 25.2107" E |

| Description | Station | Northing | Easting |
|-------------|---------|------------|-----------|
| PCC: | 4+54.84 | 1394533.26 | 742533.03 |
| RP: | | 1394512.55 | 742540.46 |
| PT: | 4+63.18 | 1394534.54 | 742541.22 |

| Parameter | Value | Parameter | Value |
|-----------|------------------|-----------|----------------------|
| Delta: | 21° 43' 35.9016" | Type: | RIGHT |
| Radius: | 22.00 | DOC: | 260° 26' 07.3087" |
| Length: | 8.34 | Tangent: | 4.22 |
| Mid-Ord: | 0.39 | External: | 0.40 |
| Chord: | 8.29 | Course: | N 81° 06' 38.3722" E |

| Description | PT Station | Northing | Easting |
|-------------|------------|------------|-----------|
| Start: | 4+63.18 | 1394534.54 | 742541.22 |
| End: | 6+15.38 | 1394532.87 | 742693.41 |

| Parameter | Value | Parameter | Value |
|-----------|--------|-----------|----------------------|
| Length: | 152.20 | Course: | S 89° 22' 20.3468" E |

| Description | PT Station | Northing | Easting |
|-------------|------------|------------|-----------|
| Start: | 6+15.38 | 1394532.87 | 742693.41 |
| End: | 6+37.69 | 1394532.63 | 742715.72 |

| Parameter | Value | Parameter | Value |
|-----------|--------|-----------|----------------------|
| Length: | 152.20 | Course: | S 89° 22' 20.3468" E |

| Description | PT Station | Northing | Easting |
|-------------|------------|------------|-----------|
| Start: | 6+37.69 | 1394532.63 | 742715.72 |
| End: | 8+04.38 | 1394530.80 | 742882.40 |

| Parameter | Value | Parameter | Value |
|-----------|--------|-----------|----------------------|
| Length: | 166.69 | Course: | S 89° 22' 20.3467" E |

| Description | Station | Northing | Easting |
|-------------|---------|------------|-----------|
| PC: | 8+04.38 | 1394530.80 | 742882.40 |
| RP: | | 1394508.80 | 742882.13 |
| PCC: | 8+12.43 | 1394529.25 | 742890.25 |

| Parameter | Value | Parameter | Value |
|-----------|------------------|-----------|----------------------|
| Delta: | 20° 56' 38.2691" | Type: | RIGHT |
| Radius: | 22.00 | DOC: | 260° 26' 07.3092" |
| Length: | 8.04 | Tangent: | 4.07 |
| Mid-Ord: | 0.37 | External: | 0.37 |
| Chord: | 8.00 | Course: | S 78° 48' 43.2612" E |

| Description | Station | Northing | Easting |
|-------------|---------|------------|-----------|
| PCC: | 8+12.43 | 1394529.25 | 742890.25 |
| RP: | | 1394558.99 | 742902.06 |
| PT: | 8+24.34 | 1394526.99 | 742901.88 |

| Parameter | Value | Parameter | Value |
|-----------|------------------|-----------|----------------------|
| Delta: | 21° 20' 09.2824" | Type: | LEFT |
| Radius: | 32.00 | DOC: | 179° 02' 57.5249" |
| Length: | 11.92 | Tangent: | 6.03 |
| Mid-Ord: | 0.55 | External: | 0.56 |
| Chord: | 11.85 | Course: | S 79° 00' 28.7679" E |

| Description | PT Station | Northing | Easting |
|-------------|------------|------------|-----------|
| Start: | 8+24.34 | 1394526.99 | 742901.88 |
| End: | 8+52.35 | 1394526.01 | 742929.87 |

| Parameter | Value | Parameter | Value |
|-----------|-------|-----------|----------------------|
| Length: | 28.01 | Course: | S 87° 59' 57.2820" E |

| Description | Station | Northing | Easting |
|-------------|---------|------------|-----------|
| PC: | 8+52.35 | 1394526.01 | 742929.87 |
| RP: | | 1394557.97 | 742931.43 |
| PCC: | 8+63.10 | 1394527.28 | 742940.49 |

| Parameter | Value | Parameter | Value |
|-----------|------------------|-----------|----------------------|
| Delta: | 19° 14' 55.3950" | Type: | LEFT |
| Radius: | 32.00 | DOC: | 179° 02' 57.5251" |
| Length: | 10.75 | Tangent: | 5.43 |
| Mid-Ord: | 0.45 | External: | 0.46 |
| Chord: | 10.70 | Course: | N 83° 10' 30.6440" E |

| Description | Station | Northing | Easting |
|-------------|---------|------------|-----------|
| PCC: | 8+63.10 | 1394527.28 | 742940.49 |
| RP: | | 1394506.18 | 742946.72 |
| PT: | 8+70.44 | 1394528.16 | 742947.75 |

| Parameter | Value | Parameter | Value |
|-----------|------------------|-----------|----------------------|
| Delta: | 19° 07' 27.8673" | Type: | RIGHT |
| Radius: | 22.00 | DOC: | 260° 26' 07.3089" |
| Length: | 7.34 | Tangent: | 3.71 |
| Mid-Ord: | 0.31 | External: | 0.31 |
| Chord: | 7.31 | Course: | N 83° 06' 46.8812" E |

| Description | PT Station | Northing | Easting |
|-------------|------------|------------|-----------|
| Start: | 8+70.44 | 1394528.16 | 742947.75 |
| End: | 10+58.04 | 1394519.86 | 743135.16 |

| Parameter | Value | Parameter | Value |
|-----------|--------|-----------|----------------------|
| Length: | 187.59 | Course: | S 87° 27' 48.9502" E |

| Description | Station | Northing | Easting |
|-------------|----------|------------|-----------|
| PC: | 10+58.04 | 1394519.86 | 743135.16 |

| Description | PT Station | Northing | Easting |
|-------------|------------|------------|-----------|
| Start: | 10+65.62 | 1394497.86 | 743135.10 |
| End: | | 1394518.55 | 743142.58 |

| Parameter | Value | Parameter | Value |
|-----------|------------------|-----------|----------------------|
| Delta: | 19° 44' 29.8849" | Type: | RIGHT |
| Radius: | 22.00 | DOC: | 260° 26' 07.3088" |
| Length: | 7.58 | Tangent: | 3.83 |
| Mid-Ord: | 0.33 | External: | 0.33 |
| Chord: | 7.54 | Course: | S 79° 59' 11.8267" E |

| Description | Station | Northing | Easting |
|-------------|----------|------------|-----------|
| PCC: | 10+65.62 | 1394518.55 | 743142.58 |
| RP: | | 1394548.64 | 743153.47 |
| PT: | 10+77.61 | 1394516.65 | 743154.36 |

| Parameter | Value | Parameter | Value |
|-----------|------------------|-----------|----------------------|
| Delta: | 21° 28' 57.9632" | Type: | LEFT |
| Radius: | 32.00 | DOC: | 179° 02' 57.5250" |
| Length: | 12.00 | Tangent: | 6.07 |
| Mid-Ord: | 0.56 | External: | 0.57 |
| Chord: | 11.93 | Course: | S 80° 51' 25.8659" E |

| Description | PT Station | Northing | Easting |
|-------------|------------|------------|-----------|
| Start: | 10+77.61 | 1394516.65 | 743154.36 |
| End: | 11+04.88 | 1394516.59 | 743181.63 |

| Parameter | Value | Parameter | Value |
|-----------|-------|-----------|--------------------|
| Length: | 27.27 | Course: | S 89° 51' 35.9040" |

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| | | | |
|----------|-------|-----------|----------------------|
| Radius: | 33.00 | DOC: | 173° 37' 24.8729" |
| Length: | 9.02 | Tangent: | 4.54 |
| Mid-Ord: | 0.31 | External: | 0.31 |
| Chord: | 9.00 | Course: | N 82° 14' 19.7810" E |

| Description | PT Station | Tangent Data | Northing | Easting |
|-------------|------------|--------------|-----------|---------|
| Start: | 14+12.85 | 1394520.19 | 743489.11 | |
| End: | 14+54.58 | 1394531.41 | 743529.30 | |

| Parameter | Value | Parameter | Value |
|-----------|-------|-----------|----------------------|
| Length: | 41.73 | Course: | N 74° 24' 15.8229" E |

| Description | Station | Curve Point Data | Northing | Easting |
|-------------|----------|------------------|-----------|---------|
| PC: | 14+54.58 | 1394531.41 | 743529.30 | |
| RP: | | 1394507.09 | 743536.09 | |
| PT: | 14+61.84 | 1394532.34 | 743536.47 | |

| Parameter | Value | Parameter | Value |
|-----------|------------------|-----------|----------------------|
| Delta: | 16° 27' 47.4032" | Type: | RIGHT |
| Radius: | 25.25 | DOC: | 226° 56' 01.6398" |
| Length: | 7.25 | Tangent: | 3.65 |
| Mid-Ord: | 0.26 | External: | 0.26 |
| Chord: | 7.23 | Course: | N 82° 38' 09.5245" E |

| Description | PT Station | Tangent Data | Northing | Easting |
|-------------|------------|--------------|-----------|---------|
| Start: | 14+61.84 | 1394532.34 | 743536.47 | |
| End: | 14+74.42 | 1394532.15 | 743549.05 | |

| Parameter | Value | Parameter | Value |
|-----------|-------|-----------|----------------------|
| Length: | 12.58 | Course: | S 89° 07' 56.7739" E |

| Description | Station | Curve Point Data | Northing | Easting |
|-------------|----------|------------------|-----------|---------|
| PC: | 14+74.42 | 1394532.15 | 743549.05 | |
| RP: | | 1394506.90 | 743548.67 | |
| PT: | 14+82.92 | 1394530.60 | 743557.37 | |

| Parameter | Value | Parameter | Value |
|-----------|------------------|-----------|----------------------|
| Delta: | 19° 18' 02.7377" | Type: | RIGHT |
| Radius: | 25.25 | DOC: | 226° 56' 01.6398" |
| Length: | 8.51 | Tangent: | 4.29 |
| Mid-Ord: | 0.36 | External: | 0.36 |
| Chord: | 8.46 | Course: | S 79° 28' 55.4050" E |

| Description | PT Station | Tangent Data | Northing | Easting |
|-------------|------------|--------------|-----------|---------|
| Start: | 14+82.92 | 1394530.60 | 743557.37 | |
| End: | 14+90.61 | 1394527.95 | 743564.59 | |

| Parameter | Value | Parameter | Value |
|-----------|-------|-----------|----------------------|
| Length: | 7.68 | Course: | S 69° 49' 54.0362" E |

| Description | Station | Curve Point Data | Northing | Easting |
|-------------|----------|------------------|-----------|---------|
| PC: | 14+90.61 | 1394527.95 | 743564.59 | |
| RP: | | 1394563.79 | 743577.75 | |
| PT: | 15+04.01 | 1394525.61 | 743577.71 | |

| Parameter | Value | Parameter | Value |
|-----------|------------------|-----------|----------------------|
| Delta: | 20° 07' 01.2771" | Type: | LEFT |
| Radius: | 38.18 | DOC: | 150° 04' 12.3891" |
| Length: | 13.41 | Tangent: | 6.77 |
| Mid-Ord: | 0.59 | External: | 0.60 |
| Chord: | 13.34 | Course: | S 79° 53' 24.6747" E |

| Description | PT Station | Tangent Data | Northing | Easting |
|-------------|------------|--------------|-----------|---------|
| Start: | 15+04.01 | 1394525.61 | 743577.71 | |
| End: | 17+28.83 | 1394525.33 | 743802.53 | |

| Parameter | Value | Parameter | Value |
|-----------|--------|-----------|----------------------|
| Length: | 224.82 | Course: | S 89° 55' 45.8959" E |

| Description | Station | Curve Point Data | Northing | Easting |
|-------------|----------|------------------|-----------|---------|
| PC: | 17+28.83 | 1394525.33 | 743802.53 | |
| RP: | | 1394572.95 | 743799.86 | |
| PCC: | 17+46.43 | 1394529.50 | 743819.53 | |

| Parameter | Value | Parameter | Value |
|-----------|------------------|-----------|----------------------|
| Delta: | 21° 08' 20.4271" | Type: | LEFT |
| Radius: | 47.69 | DOC: | 120° 08' 52.0534" |
| Length: | 17.59 | Tangent: | 8.90 |
| Mid-Ord: | 0.81 | External: | 0.82 |
| Chord: | 17.50 | Course: | N 76° 12' 49.1796" E |

| Description | Station | Curve Point Data | Northing | Easting |
|-------------|----------|------------------|-----------|---------|
| PC: | 17+46.43 | 1394529.50 | 743819.53 | |
| RP: | | 1394510.08 | 743828.32 | |
| PT: | 17+55.49 | 1394531.40 | 743828.32 | |

| Parameter | Value | Parameter | Value |
|-----------|------------------|-----------|----------------------|
| Delta: | 24° 21' 21.0340" | Type: | RIGHT |
| Radius: | 21.32 | DOC: | 268° 44' 49.6204" |
| Length: | 9.06 | Tangent: | 4.60 |
| Mid-Ord: | 0.48 | External: | 0.49 |
| Chord: | 8.99 | Course: | N 77° 49' 19.4830" E |

| Description | PT Station | Tangent Data | Northing | Easting |
|-------------|------------|--------------|-----------|---------|
| Start: | 17+55.49 | 1394531.40 | 743828.32 | |
| End: | 17+73.49 | 1394531.40 | 743846.32 | |

| Parameter | Value | Parameter | Value |
|-----------|-------|-----------|----------------------|
| Length: | 18.00 | Course: | S 90° 00' 00.0000" E |

| Description | Station | Curve Point Data | Northing | Easting |
|-------------|----------|------------------|-----------|---------|
| PC: | 17+73.49 | 1394531.40 | 743846.32 | |
| RP: | | 1394498.40 | 743846.32 | |
| PT: | 17+84.06 | 1394529.72 | 743856.71 | |

| Parameter | Value | Parameter | Value |
|-----------|------------------|-----------|----------------------|
| Delta: | 18° 21' 23.2550" | Type: | RIGHT |
| Radius: | 33.00 | DOC: | 173° 37' 24.8725" |
| Length: | 10.57 | Tangent: | 5.33 |
| Mid-Ord: | 0.42 | External: | 0.43 |
| Chord: | 10.53 | Course: | S 80° 49' 18.3725" E |

| Description | PT Station | Tangent Data | Northing | Easting |
|-------------|------------|--------------|-----------|---------|
| Start: | 17+84.06 | 1394529.72 | 743856.71 | |
| End: | 18+14.43 | 1394520.16 | 743885.54 | |

| Parameter | Value | Parameter | Value |
|-----------|-------|-----------|----------------------|
| Length: | 30.37 | Course: | S 71° 38' 36.7449" E |

| Description | Station | Curve Point Data | Northing | Easting |
|-------------|----------|------------------|-----------|---------|
| PC: | 18+14.43 | 1394520.16 | 743885.54 | |
| RP: | | 1394551.48 | 743895.93 | |
| PT: | 18+24.70 | 1394518.48 | 743895.62 | |

| Parameter | Value | Parameter | Value |
|-----------|------------------|-----------|----------------------|
| Delta: | 17° 49' 09.9074" | Type: | LEFT |
| Radius: | 33.00 | DOC: | 173° 37' 24.8729" |
| Length: | 10.26 | Tangent: | 5.17 |
| Mid-Ord: | 0.40 | External: | 0.40 |
| Chord: | 10.22 | Course: | S 80° 33' 11.6986" E |

| Description | PT Station | Tangent Data | Northing | Easting |
|-------------|------------|--------------|-----------|---------|
| Start: | 18+24.70 | 1394518.48 | 743895.62 | |
| End: | 19+09.20 | 1394517.69 | 743980.12 | |

| Parameter | Value | Parameter | Value |
|-----------|-------|-----------|----------------------|
| Length: | 84.51 | Course: | S 89° 27' 46.6523" E |

| Description | Station | Curve Point Data | Northing | Easting |
|-------------|----------|------------------|-----------|---------|
| PC: | 19+09.20 | 1394517.69 | 743980.12 | |
| RP: | | 1394484.69 | 743979.81 | |
| PT: | 19+19.28 | 1394516.07 | 743990.03 | |

| Parameter | Value | Parameter | Value |
|-----------|------------------|-----------|-------------------|
| Delta: | 17° 30' 10.5603" | Type: | RIGHT |
| Radius: | 33.00 | DOC: | 173° 37' 24.8728" |
| Length: | 10.08 | Tangent: | 5.08 |

| | | | |
|----------|-------|-----------|----------------------|
| Mid-Ord: | 0.38 | External: | 0.39 |
| Chord: | 10.04 | Course: | S 80° 42' 41.3722" E |

| Description | PT Station | Tangent Data | Northing | Easting |
|-------------|------------|--------------|-----------|---------|
| Start: | 19+19.28 | 1394516.07 | 743990.03 | |
| End: | 19+38.35 | 1394510.16 | 744008.16 | |

| Parameter | Value | Parameter | Value |
|-----------|-------|-----------|----------------------|
| Length: | 19.07 | Course: | S 71° 57' 36.0920" E |

| Description | Station | Curve Point Data | Northing | Easting |
|-------------|----------|------------------|-----------|---------|
| PC: | 19+38.35 | 1394510.16 | 744008.16 | |
| RP: | | 1394541.54 | 744018.38 | |
| PCC: | 19+43.16 | 1394509.01 | 744012.83 | |

| Parameter | Value | Parameter | Value |
|-----------|------------------|-----------|----------------------|
| Delta: | 08° 20' 58.9242" | Type: | LEFT |
| Radius: | 33.00 | DOC: | 173° 37' 24.8725" |
| Length: | 4.81 | Tangent: | 2.41 |
| Mid-Ord: | 0.09 | External: | 0.09 |
| Chord: | 4.80 | Course: | S 76° 08' 05.5550" E |

| Description | PT Station | Tangent Data | Northing | Easting |
|-------------|------------|--------------|-----------|---------|
| Start: | 19+43.16 | 1394509.01 | 744012.83 | |
| End: | 19+49.00 | 1394498.10 | 744058.36 | |

| Parameter | Value | Parameter | Value |
|-----------|------------------|-----------|----------------------|
| Delta: | 06° 08' 30.1542" | Type: | RIGHT |
| Radius: | 437.00 | DOC: | 13° 06' 40.1849" |
| Length: | 46.84 | Tangent: | 23.44 |
| Mid-Ord: | 0.63 | External: | 0.63 |
| Chord: | 46.82 | Course: | S 76° 31' 56.4624" E |

| Description | Station | Curve Point Data | Northing | Easting |
|-------------|----------|------------------|-----------|---------|
| PCC: | 19+43.16 | 1394509.01 | 744012.83 | |
| RP: | | 1394079.18 | 743933.96 | |
| PCC: | 19+90.00 | 1394498.10 | 744058.36 | |

| Parameter | Value | Parameter | Value |
|-----------|------------------|-----------|----------------------|
| Delta: | 19° 06' 42.2095" | Type: | RIGHT |
| Radius: | 137.00 | DOC: | 41° 49' 18.2540" |
| Length: | 45.70 | Tangent: | 23.06 |
| Mid-Ord: | 1.90 | External: | 1.93 |
| Chord: | 45.49 | Course: | S 63° 54' 20.2805" E |

| Description | PT Station | Tangent Data | Northing | Easting |
|-------------|------------|--------------|-----------|---------|
| Start: | 19+90.00 | 1394498.10 | 744058.36 | |
| End: | 20+35.70 | 1394366.77 | 744019.36 | |

| Parameter | Value | Parameter | Value |
|-----------|------------------|-----------|----------------------|
| Delta: | 19° 06' 42.2095" | Type: | RIGHT |
| Radius: | 137.00 | DOC: | 41° 49' 18.2540" |
| Length: | 45.70 | Tangent: | 23.06 |
| Mid-Ord: | 1.90 | External: | 1.93 |
| Chord: | 45.49 | Course: | S 63° 54' 20.2805" E |

| Description | Station | Curve Point Data | Northing | Easting |
|-------------|----------|------------------|-----------|---------|
| PCC: | 20+35.70 | 1394478.10 | 744099.21 | |
| RP: | | 1394135.18 | 743853.25 | |
| PT: | 21+26.57 | 1394417.62 | 744166.80 | |

| Parameter | Value | Parameter | Value |
|-----------|------------------|-----------|----------------------|
| Delta: | 12° 20' 15.9163" | Type: | RIGHT |
| Radius: | 422.00 | DOC: | 13° 34' 37.9166" |
| Length: | 90.87 | Tangent: | 45.61 |
| Mid-Ord: | 2.44 | External: | 2.46 |
| Chord: | 90.70 | Course: | S 48° 10' 51.2176" E |

| Description | PT Station | Tangent Data | Northing | Easting |
|-------------|------------|--------------|-----------|---------|
| Start: | 21+26.57 | 1394417.62 | 744166.80 | |
| End: | 22+35.08 | 1394337.00 | 744239.42 | |

| Parameter | Value | Parameter | Value |
|-----------|--------|-----------|----------------------|
| Length: | 108.51 | Course: | S 42° 00' 43.2595" E |

| Description | Station | Curve Point Data | Northing | Easting |
|-------------|----------|------------------|-----------|---------|
| PC: | 22+35.08 | 1394337.00 | 744239.42 | |
| RP: | | 1394804.16 | 744758.04 | |
| PCC: | 23+22.74 | 1394275.72 | 744302.03 | |

| Parameter | Value | Parameter | Value |
|-----------|------------------|-----------|------------------|
| Delta: | 07° 11' 44.9600" | Type: | LEFT |
| Radius: | 698.00 | DOC: | 08° 12' 30.8321" |
| Length: | 87.66 | Tangent: | 43.89 |

| | | | |
|----------|-------|-----------|----------------------|
| Mid-Ord: | 1.38 | External: | 1.38 |
| Chord: | 87.60 | Course: | S 45° 36' 35.7404" E |

| Description | Station | Curve Point Data | Northing | Easting |
|-------------|----------|------------------|-----------|---------|
| PCC: | 23+22.74 | 1394275.72 | 744302.03 | |
| RP: | | 1394539.1 | | |