# Town of Mt. Crested Butte

# Anthracite Drive Slump Rehabilitation



This project includes the remediation of a roadway slump along Anthracite Drive (Lower Slump). Remediation includes improving drainage, installing a culvert and underdrains, installing a culvert, and removal and replacement of existing fill materials with a modified reinforced soil slope (RSS) embankment. The work also includes hot mix asphalt paving and a concrete valley pan.



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> Final Bid Set Aparid r2132,0220525

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**Cover Sheet** 

UNCC 1-800-922-1987

#### **GENERAL REQUIREMENTS**

- 1. TOWN OF MT. CRESTED BUTTE CONSTRUCTION and THE WATER AND SANITATION DISTRICT CONSTRUCTION STANDARDS APPLY TO THIS PROJECT.
- 2. ALL WORK SHALL BE DONE TO THE HORIZONTAL AND VERTICAL INFORMATION SHOWN ON THE PLANS. NO FIELD CHANGES SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER.
- 3. CONTRACTOR SHALL BE RESPONSIBLE FOR SAFELY PERFORMING ALL WORK IN ACCORDANCE WITH APPLICABLE OSHA STANDARDS AND REGULATIONS.
- 4. THE ENGINEER AND OWNER SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION.
- 5. ALL PUBLIC AND PRIVATE UTILITY OWNERS SHALL BE NOTIFIED AT LEAST 48 HOURS (OR AS REQUIRED BY UTILITY COMPANIES) PRIOR TO COMMENCEMENT OF WORK ADJACENT TO THE UTILITY.
- 6. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE OWNER AND THEIR ASSIGNED REPRESENTATIVE. THE OWNER AND THEIR ASSIGNED REPRESENTATIVE RESERVE THE RIGHT TO ACCEPT OR REJECT ANY MATERIALS AND WORKMANSHIP THAT DO NOT CONFORM TO THE PLANS OR SPECIFICATIONS.
- 7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO TAKE A SUFFICIENT NUMBER OF PRE—CONSTRUCTION PHOTOGRAPHS/VIDEOS TO RESOLVE ANY DISPUTES, WHICH MAY ARISE REGARDING THE CONDITIONS PRIOR TO AND SUBSEQUENT TO CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE COPIES OF THE PRE—CONSTRUCTION PHOTOGRAPHS/VIDEOS TO THE ENGINEER PRIOR TO THE START OF WORK. THE CONTRACTOR SHALL IDENTIFY ANY APPARENT POTENTIAL PROBLEMS AT THAT TIME.
- 8. PROGRESS AND RECORD PHOTOGRAPHS/VIDEOS SHALL BE PROVIDED BY THE CONTRACTOR TO RESOLVE DISPUTES
  AND TO DOCUMENT THE WORK PERFORMED AS A SUPPLEMENT TO THE RECORD DRAWINGS. IN GENERAL, ANY
  PHOTOGRAPHS/VIDEOS SHOULD BE SUFFICIENT TO SHOW THAT ALL WORK WAS PROPERLY COMPLETED IN
  ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
- 9. GEOTECHNICAL SUBSOIL STUDIES PROVIDED BY ROCKSOL CONSULTING GROUP AND IS AVAILABLE UPON REQUEST. THE REPORT IS DATED AUGUST 15, 2024.
- 10. SUBMITTALS SHALL BE PROVIDED FOR ALL MATERIALS TO BE INCORPORATED INTO THE PROJECT. SHOP DRAWINGS SHALL BE PROVIDED FOR ALL ITEMS HAVING DIMENSIONAL REQUIREMENTS. MATERIALS SUBMITTALS AND SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW. THE ENGINEER'S REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR ACCURACY, PROPER FIT OR PROPER FUNCTIONING AND PERFORMANCE OF THE WORK.
- 11. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY FACILITIES FOR THEIR OWN CONVENIENCE OR TO MEET LOCAL, STATE OR FEDERAL REQUIREMENTS, INCLUDING, BUT NOT LIMITED TO, POTABLE WATER, SANITARY WASTE FACILITIES, POWER, TELEPHONE, INTERNET, ETC. SANITARY FACILITIES SHALL BE LOCATED ON SITE AND SHALL BE FULLY OPERATIONAL BEFORE CONSTRUCTION CAN BEGIN. SANITARY FACILITIES SHALL BE FIRMLY SECURED AGAINST OVERTURNING AND SHALL BE PLACED AWAY FROM FLOW LINES OF STREETS, SWALES, RAIN GARDENS AND AWAY FROM INLETS. THE COST OF THESE FACILITIES WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE WORK.
- 12. THE CONTRACTOR WILL BE RESPONSIBLE FOR DAILY CLEANING OF THE JOB SITE DURING AND AFTER CONSTRUCTION. A CONTINUING EFFORT SHALL BE MADE THROUGH THE DURATION OF THE CONTRACT TO KEEP ALL AREAS CLEAN AND FREE OF ALL RUBBISH, REMOVED VEGETATION, CONSTRUCTION WASTE, EMPLOYEE WASTE, AND OTHER OBJECTIONABLE MATERIALS GENERATED FROM THE PROJECT. MUD AND DIRT TRACKED ON TO TOWN ROADS SHALL BE SWEPT AND CLEANED DAILY.
- 13. FINAL CLEAN-UP MUST BE APPROVED AND ACCEPTED BY THE OWNER BEFORE THE CONTRACT MAY BE CONSIDERED COMPLETE.

#### GENERAL WATER UTILITY NOTES

- 1. IF GRAVEL BACKFILL OR INSULATION AROUND A WATERLINE IS ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
- 2. MT. CRESTED BUTTE WATER & SANITATION DISTRICT (MCBWSD), THE TOWN, AND ENGINEER SHALL BE NOTIFIED OF CONSTRUCTION ACTIVITIES RELATED TO EXPOSING THE WATERLINE FORTY—EIGHT (48) HOURS BEFORE COMMENCEMENT.
- 3. IF POTENTIAL SETTLEMENT OR POINT LOAD MAY DAMAGE THE WATERLINE, STRUCTURAL SUPPORT SHALL BE DESIGNED AND UTILIZED BY THE ENGINEER. NO JOINTS SHALL BE ALLOWED BETWEEN THE SUPPORT.
- F. IF A WATERLINE IS DAMAGED, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR THE LINE IN ACCORDANCE WITH MCBWSD STANDARDS AND SPECIFICATIONS.

### **SURVEY NOTES**

- . SOURCE OF MAPPING: EXISTING FIELD CONDITIONS WERE GENERATED BY A SURVEY PERFORMED BY SGM, GUNNISON, CO.
- 2. PROPERTY LINES, MONUMENTS, BENCHMARKS, SURVEY CONTROL, AND ADDITIONAL HISTORIC SURVEY INFORMATION CANNOT BE REMOVED FOR CONSTRUCTION. DISTURBED SURVEY ITEMS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE RESTORED BY A STATE OF COLORADO LICENSED LAND SURVEYOR.

### ACCESS AND PROTECTION REQUIREMENTS

- 1. PROPERTY OWNER ACCESS SHALL BE MAINTAINED AT ALL TIMES BY THE CONTRACTOR. FOR THIS PROJECT, THERE IS NO POSSIBLE DETOUR AROUND THE WORK FOR RESIDENTIAL ACCESS OR ACCESS TO THE WATER AND SANITATION DISTRICTS WATER TANKS. ONE LANE ACCESS SHALL BE MAINTAINED AS PART OF TRAFFIC CONTROL. SHORT DURATION FULL CLOSURES CAN BE ACCOMODATED WITH TOWN APPROVAL IN ADVANCE AND PROPER NOTIFICATION TO RESIDENTS.
- 2. TRAFFIC CONTROL IS NECESSARY. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR APPROVAL BY THE JURISDICTION OF AUTHORITY OR ENGINEER. TRAFFIC CONTROL PLAN SHALL INCLUDE METHODS OF HANDLING TRAFFIC (MHT'S) APPLICABLE TO THE WORK.
- 3. ALL CONSTRUCTION TRAFFIC CONTROL SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
- 4. THE CONTRACTOR SHALL ALLOW FOR PEDESTRIAN AND BICYCLE ACCESS DURING CONSTRUCTION.
- 5. THE CONTRACTOR SHALL PROTECT FROM DAMAGE ALL TREES, BUSHES, AND EXISTING IMPROVEMENTS INSIDE AND OUTSIDE THE LIMITS OF WORK NOT CALLED OUT FOR REMOVAL OR REPLACEMENT.
- 6. THE CONTRACTOR SHALL PROTECT THE EXISTING DRAINAGE STRUCTURES AND REROUTE ANY RUNOFF AS NECESSARY DURING CONSTRUCTION ACTIVITIES TO PREVENT EROSION AND DAMAGE.
- 7. ALL EXISTING UTILITIES, EITHER UNDERGROUND OR OVERHEAD, SHALL BE MAINTAINED IN CONTINUOUS SERVICE THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL BE RESPONSIBLE AND LIABLE FOR ANY DAMAGE TO, OR INTERRUPTION OF SERVICES CAUSED BY THE CONSTRUCTION.

## TEMPORARY EROSION CONTROLS MEASURES

- 1. THE CONTRACTOR SHALL IMPLEMENT EROSION CONTROL MEASURES (A.K.A. BEST MANAGEMENT PRACTICES OR BMPs), TO CONTROL EROSION AND SEDIMENTATION DURING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF ALL TEMPORARY EROSION CONTROL MEASURES.
- 2. THE CONTRACTOR SHALL INSTALL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO ANY SITE GRADING OR EXCAVATION ACTIVITIES. CONTRACTOR SHALL ALSO IMPLEMENT APPROPRIATE CONTROL MEASURES FOR PROTECTION OF WETLANDS, SENSITIVE HABITAT, AND EXISTING VEGETATION FROM GROUND DISTURBANCE AND OTHER POLLUTANT SOURCES BEFORE CONSTRUCTION BEGINS.
- 3. THE CONTRACTOR SHALL INSPECT THE CONSTRUCTION SITE, INCLUDING ALL BMP'S, STORAGE CONTAINERS, AND CONSTRUCTION EQUIPMENT. AT LEAST EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS AFTER A PRECIPITATION

#### ASPHALT PAVING

- 1. A TACK COAT OF EMULSIFIED ASPHALT (SLOW-SETTING) SHALL BE APPLIED AT THE FOLLOWING LOCATIONS:
  - 1.1. BEFORE PLACING NEW PAVEMENT OVER EXISTING PAVEMENT
  - 1.2. ALONG THE FACE OF ALL EXISTING PAVEMENT, AND ALL SURFACES AGAINST WHICH ASPHALT IS TO BE PLACED BETWEEN PAVEMENT COURSES
  - 1.3. PREPARED BASE COURSES SHALL BE TACK COATED AT CONTRACTOR'S EXPENSE IF THE SURFACE HAS

    DETERIORATED DUE TO TRAFFIC, WEATHER OR TIME LAPSE BETWEEN SURFACE PREPARATION AND PLACEMENT OF
    BITUMINOUS MATERIALS, AS DIRECTED BY THE ENGINEER.
- 2. DILUTED EMULSIFIED ASPHALT FOR TACK COAT SHALL CONSIST OF 1 PART EMULSIFIED ASPHALT (SLOW-SETTING) AND 1 PART WATER. APPLICATION RATE SHALL BE 0.1 GALS/SQ.YD.
- 3. BEFORE PLACEMENT OF THE TACK COAT, THE CONTRACTOR SHALL CLEAN THE SURFACES TO BE TACK COATED. SURFACES SHALL BE APPROVED BY ENGINEER PRIOR TO TACK COATING. CLEANING WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE WORK.
- 4. THE FOLLOWING SHALL BE USED WITH EACH BITUMINOUS PAVER:
  - 4.1.A SKI-TYPE DEVICE AT LEAST 30 FEET IN LENGTH.
  - 4.2.SHORT SKI OR SHOE.
- 5. ANY LAYER OF BITUMINOUS PAVEMENT THAT IS TO HAVE A SUCCEEDING LAYER PLACED THEREON SHALL BE COMPLETED TO THE FULL AVAILABLE WIDTH WITHIN EACH PHASE OF CONSTRUCTION BEFORE THE SUCCEEDING LAYER IS PLACED.
- 6. WHERE NEW PAVEMENT IS TO ABUT EXISTING PAVEMENT, THE EXISTING PAVEMENT SHALL BE REMOVED TO A NEAT VERTICAL LINE USING A PAVEMENT—CUTTING SAW AND MILLED TO A DEPTH OF 2"OVER 24"WIDE, OR OTHER METHOD AS APPROVED BY THE ENGINEER. VERTICAL EDGES SHALL NOT REMAIN OVERNIGHT. THE WORK WILL NOT BE MEASURED AND PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE WORK.

#### EARTHWORK

- 1. ANY OPEN EXCAVATION LEFT UNATTENDED SHALL BE BARRICADED OR FENCED OFF BY THE CONTRACTOR.
- 2. IF GROUNDWATER IS ENCOUNTERED CONTACT ENGINEER BEFORE PROCEEDING WITH WORK IN AREA OF GROUNDWATER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ANY GROUNDWATER ENCOUNTERED DURING THE CONSTRUCTION OF ANY PORTION OF THIS PROJECT. GROUNDWATER SHALL BE PUMPED, PIPED, REMOVED AND DISPOSED OF IN A MANNER WHICH DOES NOT CAUSE FLOODING OF EXISTING STREETS OR EROSION ON ABUTTING PROPERTIES. CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND MEETING REQUIREMENTS OF COPHE WATER QUALITY CONTROL DIVISION DEWATERING PERMIT FOR ANY DEWATERING DISCHARGES.
- 3. PLACEMENT OF AGGREGATE BASE COURSE OR PAVING SHALL NOT BEGIN UNTIL THE ENGINEER HAS APPROVED THE SUBGRADE. THE SUBGRADE SHALL BE PROOF ROLLED (BY THE CONTRACTOR) AND APPROVED BY THE ENGINEER PRIOR TO THE PLACEMENT OF ANY SUBSEQUENT STRUCTURAL LAYERS. AREAS THAT DEFORM UNDER HEAVY WHEEL LOADS AS DETERMINED BY THE ENGINEER ARE NOT STABLE AND SHALL BE REMOVED AND REPLACED TO ACHIEVE A STABLE SUBGRADE. THE ENGINEER SHALL APPROVE THE TYPE AND WEIGHT OF THE VEHICLE TO BE USED FOR THE PROOF ROLL. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT AND LABOR NECESSARY FOR THE PROOF ROLL. PROOF ROLLING WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE WORK.
- 4. WATER FOR COMPACTION WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE WORK.
- . MOISTURE DENSITY CONTROL WILL BE REQUIRED FOR FULL DEPTH OF EMBANKMENTS AND AGGREGATE BASE COURSE IN PAVED AREAS.

#### **DEMOLITION AND REMOVALS**

- 1. SAWCUT ALL ASPHALT PAVEMENT TO BE REMOVED. FINAL LIMITS OF REQUIRED SAWCUTTING AND PATCHING MAY VARY FROM LIMITS SHOWN ON PLANS. CONTRACTOR TO PROVIDE SAWCUT AND PATCH WORK TO ACHIEVE POSITIVE DRAINAGE AND A SMOOTH TRANSITION TO EXISTING ASPHALT WITHIN SLOPES ACCEPTABLE TO THE ENGINEER AND WITHIN MUNICIPAL STANDARDS. CONTRACTOR SHALL PROVIDE ADDITIONAL SAWCUTTING AND PATCHING AT UTILITY WORK, CONNECTION POINTS TO EXISTING PAVEMENT AND FEATURES, ETC. THAT MAY NOT BE DELINEATED ON PLANS.
- 2. ALL EXCESS MATERIALS GENERATED FROM THE SITE ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE DISPOSED OF PROPERLY.

## REVEGETATION

- 1. THE DISTURBED SLOPES SHALL BE RAKED SMOOTH AND SEEDED WITH "DRY MOUNTAIN NATIVE GRASS SEED" ALONG WITH "QUICK GUARD STERILE TRITICALE HYBRID" SEED MIX.
- 2. DISTURBED AREAS SHALL BE FINE GRADED AND RAKED TO REMOVE ALL ROCKS OVER THREE INCHES IN DIAMETER. PLACE TOPSOIL TO A DEPTH OF THREE INCHES ON ALL DISTURBED AREAS.
- 3. BIO DEGRADABLE SOIL RETENTION BLANKETS SHALL BE INSTALLED ON SLOPES STEEPER THAN 3H:1V.
- 4. SUBMIT THE SEED MIX FOR APPROVAL BY THE TOWN.

#### EXISTING UTILITY NOTES (NON-SUE)

EXISTING UTILITY NOTES - NON "SUE-REQUIRED PROJECT"

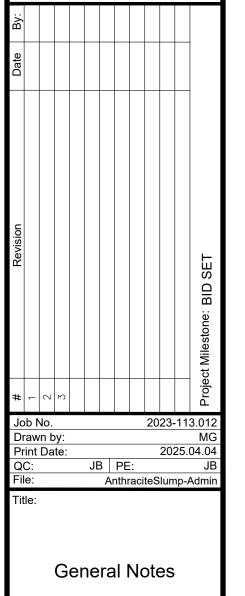
THIS IS NOT A "SUBSURFACE UTILITY ENGINEERING-REQUIRED PROJECT," AS SET FORTH IN THE 8/8/2018
COLORADO STATE LAW. SEE CHECKLIST BELOW FOR ENGINEER'S BASIS FOR THIS DETERMINATION. (NOTE: A PROJECT MUST MEET ALL 4 CONDITIONS)

COLORADO REVISED STATUTES (CRS) 2018 TITLE 9-1.5-102 SUBSURFACE UTILITY ENGINEERING (SUE) REQUIRED PROJECT COMPLIANCE CHECKLIST						
1	9-1.5-1 02-6.8.A	PROJECT INVOLVES CONSTRUCTION CONTRACT WITH A PUBLIC ENTITY	X	YES		NO
2	9-1.5-1 02-6.8.B	PROJECT INVOLVES PRIMARILY HORIZONTAL CONSTRUCTION AND DOES NOT INVOLVE PRIMARILY THE CONSTRUCTION OF BUILDINGS	X	YES		NO
3A	9-1.5-1 02-6.8.C .l.A	EXCAVATION FOOTPRINT EXCEEDS 2—FEET DEPTH AND IS A CONTIGUOUS 1,000—SQUARE FEET; OR	X	YES		NO
3B	9-1.5-1 02-6.8.C .l.B	INVOLVES UTILITY BORING		YES	X	NO
4	9-1.5-1 02-6.8.D	PROJECT REQUIRES THE DESIGN SERVICES OF A LICENSED PROFESSIONAL ENGINEER (P.E.)		YES	X	NO
SUMMARY	9-1.5-1 03-2.4	REQUIRED TO MEET OR EXCEED THE ASCE 38 STANDARD AND CO SUE LAW?		YES	X	NO

- 2. EXISTING UTILITIES ARE DEPICTED ACCORDING TO THE BEST AVAILABLE INFORMATION THAT WAS PROVIDED BY THE UTILITY OWNERS AND SURFACE FEATURES AT THE TIME OF THE SURVEY. RELIANCE UPON THIS UTILITY DATA FOR RISK MANAGEMENT PURPOSES DOES NOT RELIEVE THE PROJECT OWNER, CONTRACTOR, OR UTILITY COMPANY FROM FOLLOWING ALL APPLICABLE UTILITY DAMAGE PREVENTION STATUTES, POLICIES, AND/OR PROCEDURES DURING EXCAVATION. PRIOR TO EXCAVATION, THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC) AT 811 OR 800–922–1987, TO VERIFY EXISTING UTILITIES AND HAVE LOCATIONS OF UNCC REGISTERED LINES MARKED BY MEMBER COMPANIES.
- 3. OTHER UTILITIES MAY BE PRESENT WHICH WERE NOT IDENTIFIED IN THIS PLAN SET OR PRIOR TO CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE DUE—DILIGENCE AND ENACT GOOD PRACTICES WHEN EXCAVATING NEAR POTENTIAL CONFLICT AREAS AND REDUCE POTENTIAL DAMAGE TO UTILITIES AS MUCH AS POSSIBLE.
- 4. SHOULD THE CONTRACTOR ENCOUNTER UNKNOWN AND/OR ABANDONED UTILITIES THE CONTRACTOR SHALL VERIFY WITH THE RESPECTIVE UTILITY OWNER THAT THE UTILITY IS INACTIVE/ABANDONED BEFORE REMOVAL FROM THE WORK AREA
- 5. THE CONTRACTOR SHALL COMPLY WITH COLORADO REVISED STATUTES (CRS) 2018, TITLE 9, ARTICLE 1.5—103 (10), "ALL NEW UNDERGROUND FACILITIES, INCLUDING LATERALS UP TO THE STRUCTURE OR BUILDING BEING SERVED, INSTALLED ON OR AFTER 8/8/2018, MUST BE ELECTRONICALLY LOCATABLE WHEN INSTALLED."



Anthracite Drive Slump Rehabilitation



Dwg No.

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## <u>LEGEND</u>

	<u>LINETYPES</u>	
<u>EXISTING</u>	PROPOSED	DESCRIPTION
— — T — — T — —		UNDERGROUND TELEPHONE LINE
— — G — — — G — —		LOW PRESSURE GAS LINE
— — c — — c — —		UNDERGROUND CABLE TELEVISION LINE
—— С — — ОН— — ——		OVERHEAD CABLE TELEVISION LINE
— — E — — E — —		UNDERGROUND ELECTRICAL LINE
		STORM DRAIN LINE
— — w — — — w — —		WATER LINE
— – s – – s – —		SANITARY SEWER LINE
>	<del></del>	DRAINAGE SWALE FLOWLINE
xxxxx		BARBED-WIRE FENCE LINE
0000		CHAIN LINK FENCE
	— SF—— SF—— SF—	SILT FENCE
		CULVERT & FES
		EDGE OF ASPHALT
		EDGE OF CONCRETE
		CENTERLINE
		CONTOURS
		RIGHT-OF-WAY
		VEGETATION
	LDA LDA	LIMITS OF DISTURBED AREA

----- TOP OF CUT

----- TOP OF FILL

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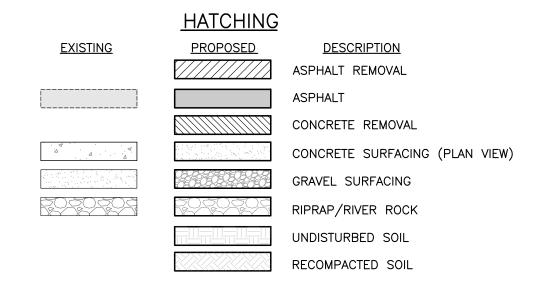
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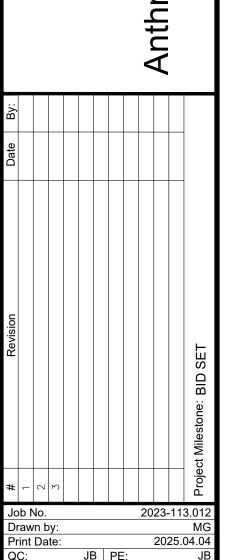
## <u>SYMBOLS</u>

<u>STING</u>	PROPOSED	<u>DESCRIPTION</u>
		DECIDUOUS TREE
Shirt Stand		CONIFEROUS TREE
<b>\Phi</b>		MONUMENT MARKER
T		PEDESTALS (TELE)
SW		MANHOLES (SANITARY, WATER)
ET		ELECTRIC TRANSFORMER
		WATER VALVE
***		FIRE HYDRANT
EM WM		METERS (GAS, ELECTRIC, WATER)
$\oslash$		MONITORING WELL
CO		CLEAN-OUT
		SIGN
MB		MAILBOX
SB ◆		SOIL BORING LOCATION
lacktriangle		UTILITY POTHOLE LOCATION

## **ABBREVIATIONS**

March   Marc						
## MARSHON ASSOCIATION OF STATE HIGHWAY  **NOTIFICATION**	@	AT	HDPF	HIGH DENSITY POLYETHYLENE	PVC	POLYVINYL CHLORIDE
ADDITION						
AND TRANSPORTATION OFFICIALS  AND CAPTER ASSOCIATIONS OFFICIALS  ACTIVATE  ACTIVATION  ACTIVATE  ACTIVATE  ACTIVATE  ACTIVATE  ACTIVATE  ACTIVATE	# ^^CHTO					
ABO AGGRESTE BASE COURSE	AASHIO					
### AUTHORN CHILDS NOT CHARGE STATION   15	A D.C				PVI	
ACT   ALTERNACE   NT   NT   NT   NT   NT   NT   NT   N					QA/QC	QUALITY ASSURANCE/QUALITY CONTROL
ACCIL POINT					ΩΤΫ́	QUANTITY
MARCHAN PRICE   P						
ASPHILL   19						
BMD						
BMP						
BYCKS   BESINNING VERTICAL CURVE STATION   LPT M LOW PICKSORE FORCE MAIN   RPV		BENCHMARK			RCP	REINFORCED CONCRETE PIPE
BYCKS   BESINNING VERTICAL CURVE STATION   LPT M LOW PICKSORE FORCE MAIN   RPV	BMP	BEST MANAGEMENT PRACTICES			REF	REFERENCE
LEVATION   LEVATION   LOP	BVCE	BEGINNING VERTICAL CURVE			REQ	REQUIRED
BYCS   SCIENNING VERTICAL CURVE STATION   LP   LOW POINT   RP   RADUS POINT   REPRES REPORT   RP   RADUS POINT   REPRES REPORT   RP   RADUS POINT   REPRES REPORT   R		ELEVATION	LPFM	LOW PRESSURE FORCE MAIN		
COPIE	BVCS	BEGINNING VERTICAL CURVE STATION	LP	LOW POINT		
TRANSFORTATION			LS			
COPHE   FLATLA AND ENVIRONMENT   MAY   M						
HEALTH AND ENVIRONMENT	CDPHF					
CF         CUBIC FEET         MICHASTED BUTTE WATER & SANITATION         SAN         SANITARY           CMP         CORRUGATED METAL PIPE         MICHASTED BUTTE WATER & SANITATION         SD         STORM DRAIN           CMD         CORRUGATED METAL PIPE         MIN         MIN         MINIMUM         SECT         SCOTTANDARD DIMENSION RATIO           COND         CONTROLOR         MIN         MINIMUM         SECT         SCOTTANDARD DIMENSION RATIO           CONT         CONTROLOR         MISC         MISCELLANEOUS         SECT         SCOTTANDARD DIMENSION RATIO           COR         CONTROLOR         MISC         MISCELLANEOUS         SECT         SQUARE, FEET           COR         CONTROLOR         MISCELLANEOUS         SECT         SQUARE, FEET           COR         CONTROLOR         MISCELLANEOUS         SMIN         SANITARY SEMER INE           COC         CONTROLOR         MIN         MONITORING WELL         SD         SANITARY SEMER INE           COC         CURRETS         MW         MONITORING WELL         SD         SANITARY SEMER INE           COC         CURRETS         MW         MONITORING WELL         SD         SANITARY SEMER INE           COC         CURRETS         MW         MONITORING WELL	OBITIE				RW	RETAINING WALL
ČL         CENTERLINE         MEDWSD         MT. ORESTED BUTE WATER & SANITATION         SD         STORM DRAIN           CMP         CORP GORGASTED METAL PIPE         DISTRICT         SDIRROT         STANDARD DIJENSION RATIO           COM         CONGRIETE         MIN         MIN MAINUM         SECT         SECT ON           CONSTRUCTION         MISC         MISCELLAREOUS         SF         SOUARE FEET           CON         CONSTRUCTION         MISC         MISCELLAREOUS         SF         SOUARE FEET           CU         CUBIC         MITCE         MINUM         MINUM         SPILOR         SHUDE           CU         CUBIC         MITCE         MANUAL ON UNFORM TRAFFIC CONTROL         SL         SANTARY SEVER LINE           CU         CUBIC         CUBIC         MINUM         MORTHINO         SD         CRASS AREA           DEO         DEGRES         NW         MORTHINO         SD         SANTARY SEVER LINE           DIP         DUCTILLE IRON PIPE         NA         MORTHINO         SD         SANTARY SEVER LINE           DIP         DUCTILLE IRON PIPE         NA         NATONG ERASS AREA         STA         STATONG SIGHT DISTANCE           DIP         DUCTILLE IRON PIPE         NA         NATO	CF		МН	MANHOLE	SAN	SANITARY
CMP         CORRUGATED METAL PIPE         DISTRICT         SDR         STANDARD DIMENSION RATIO           COM         COMMUNICATIONS         MHT         METHOD OF HANDLING TRAFFIC         SE         SOUTHEAST           CONST         CONSTRUCTION         MSC         MISCALLAROUS         SE         SOUTHEAST           CONT         CONTINUOUS         MSC         MISCALLAROUS         SF         SOUARE FEET           CONT         CONTINUOUS         MSC         MISCALLAROUS         SF         SOUARE FEET           CONT         CONTINUOUS         MSC         MISCALLAROUS         SF         SOUARE FEET           CONTINUOUS         MSC         MISCALLAROUS         SMH         SANTARY SEVER LINE           COV         CUBER         MISCALLAROUS         SMM         SANTARY SEVER MANHOLE           COV         CORRES         N         NORTHING         SS         SANTARY SEVER MANHOLE           DIA         DIAMETER         N         NORTHING         SS         SANTARY SEVER MANHOLE           DIV         DIVICEUR LIE RICHAROUS         NAYA         NORTHING         SS         SANTARY SEVER MANHOLE           DIV         DIVICEUR LIE RICHAROUS         NAYA         NORTH AMERICAN VERTICAL DATUM         STD         SSD			MCBWSD	MT. CRESTED BUTTE WATER & SANITATION		
COMMUNICATIONS         MHT         METHOD OF HANDLING TRAFFIC         SE         SOUTHEAST           CONCECTE         MIN         MINIMUM         SEC         SECTION           CONSTRUCTION         MISC         MSCELLANEOUS         SF         SOURAGE           CORT         CONNIER         MUTCD         MANUAL ON UNIFORM TRAFFIC CONTROL         SIL         SANITARY SEWER LINE           COV         CUBIC YARD         MW         MONTORING WELL         SD         GRASS AREA           CY         CUBIC YARD         N         MONTORING WELL         SD         GRASS AREA           CY         CUBIC YARD         N         N         MONTHING         SS         SSANITARY SEWER MAIHUE           CY         CUBIC YARD         N         MONTHING         SS         SANITARY SEWER MAIHUE           CY         CUBIC YARD         N         MONTHING         SS         SSANITARY SEWER MAIHUE           CY         CUBIC YARD         N         MONTHING         SS         SSANITARY SEWER MAIHUE           CY         CUBIC YARD         N         MONTHING         SS         SSANITARY SEWER MAIHUE           CY         CUBIC YARD         N         MONTHING         SS         SSANITARY SEWER MAIHUE						
CONCRETE         MIN         MINLUM         SECT         SECTION           CONST         CONSTRUCTION         MSC         MISCELLABEOUS         SF         SQUARE FIET           CONT         CONTINUOUS         MSC         MISCELLABEOUS         SF         SQUARE FIET           COR         CORNER         MUTCD         DAMINAL ON UNIFORM TRAFFIC CONTROL         SL         SANTARY SEWER LINE           CU         CUBIC         DEGIC SASTAREA         SMM         SANTARY SEWER MANHOLE         SMM         SANTARY SEWER MANHOLE           DEG         DEGREES         N         NORTHING         SS         SANTARY SEWER MANHOLE           DED         DUCTLE IRON PIPE         N/A         NOT APPLICABLE         SSD         SANTARY SEWER MANHOLE           DIP         DUCTLE IRON PIPE         N/A         NOT APPLICABLE         SSD         STA         STA           DIP         DUCTLE IRON PIPE         N/A         NAT         NAT         NATERIAL         SSD         SANTARY SEWER MANHOLE           DIP         DUCTLE IRON PIPE         N/A         NAT         NATERIAL         SSD         SANTARY SEWER MANHOLE           DIP         DUCTLE IRON PIPE         N/A         NATERIAL         SSD         SANTARY SEWER MANHOLE			мыт			
CONST         CONSTRUCTION         MISC         MISCALLANEOUS         SF         SOLIARE FEET           CORT         CONTNUOUS         MSE         MECHANICALLY STABILIZE EARTH         SHLDS         SHUDLIDER           COR         CORNER         MUTCD         MANUAL. ON UNIFORM TRAFFIC CONTROL         SL         SANITARY SEWER MANHOLE           CY         CUBIC YARD         MW         MONTRONING WELL         SOD         GRASS AREA           CY         CUBIC YARD         N         MONTRONING WELL         SOD         GRASS AREA           DRF         DUCTILE IRON PIPE         N/A         NOTA APPLICABLE         SSD         STOPPING SIGHT DISTANCE           DW         DRIVEWAY         NAT         NOTH APPLICABLE         SSD         STOPPING SIGHT DISTANCE           DW         DRIVEWAY         NAT         NATIVE GRASS AREA         STA         STATION           DW         DRIVEWAY         NAT         NATIVE GRASS AREA         STA         STATION           EA         EASTING         NB         NORTH BOUND         SY         SQUARE YARDS           EA         EACH         NB         NORTH BOUND         SY         SQUARE YARDS           EA         EACH         NE         NORTH BOUND         SY						
CONTINUOUS         MSE         MCHANICALITY STABILIZE FARTH         SHDR         SHOULDER           COR         CORRER         MUTCD         MANUAL ON UNIFORM TRAFFIC CONTROL         SL         SANITARY SEWER LINE           CU         CUBIC CY         CUBIC CY         CUBIC CY         SMH         SANITARY SEWER MANHOLE           DEG         DEGREES         N         NORTHING         SD         GRASS AREA           DIP         DUCTILE IRO PIPE         N/A         NOT APPLICABLE         SD         SANITARY SEWER MANHOLE           DIP         DUCTILE IRO PIPE         N/A         NOT APPLICABLE         SD         STOPPING SGIRT DISTANCE           DIP         DUCTILE IRO PIPE         N/A         NOT HABBELDAN VERTICAL DATUM         STA         STATON           DIP         DUCTILE IRO PIPE         N/A         NOTH BELDAN         STA         STATON           DIP         DUCTILE IRO PIPE         N/A         NOTH BELDAN         STA         STATON           E         EACH         NOTH BELDAN         NOTH BELDAN         STA         STATON           E         EACH         NOTH BELDAN         NOTH BELDAN         SY         SOURCE YARD           E         EACH         NOTH BELDAN         NOTH BELDAN         ST						
COR         CORNER         MUTCD         MANUAL ON UNIFORM TRAFFIC CONTROL         SL         SANTARY SEWER LINE           CV         CUBIC YARD         MW         MONITORING WELL         SOD         GRASS ARRA           DIG         DEGREES         MW         MONITORING WELL         SOD         GRASS ARRA           DIA         DIAMETER         N/A         NOT APPLICABLE         SS         SANITARY SEWER SEWER LINE           DWD         DRIVEWAY         NAT         NAT ON APPLICABLE         SS         SANITARY SEWER SEWICE           DWG         DRIVEWAY         NAT         NAT ON APPLICABLE         SS         SANITARY SEWER MANHOLE           DWG         DRIVEWAY         NAT         NAT ON APPLICABLE         SS         SANITARY SEWER MANHOLE           DWG         DRIVEWAY         NAT         NAT ON APPLICABLE         SS         SANITARY SEWER MANHOLE           DWG         DRIVEWAY         NAT         NAT ON ALBERTAL         ST         STA         STATON           DWG         DRIVEWAY         NB         NORTH-BOUND         SY         SOURARE YARDS         SA           EA         PACHNOL         NB         NORTH-BOUND         SWD         NATIONAL ENVIRONMENTAL POLICY ACT         TCP         TRAFFIC CONTROL PLAN					SF	SQUARE FEET
COR         CORNER         MUTCD         MANUAL ON UNIFORM TRAFFIC CONTROL         SL         SANITARY SEWER LINE           CV         CUBIC YARD         MW         MONITORING WELL         SDD         GRASS AREA           DIAG         DEGREES         N         NORTHING         SS         SANITARY SEWER SERVICE           DIA         DAMETER         NORTH         NORTHING         SS         SANITARY SEWER SERVICE           DIA         DAMETER         NORTH         NORTH         SSD         STOPPING SIGHT DISTANCE           DIA         DEWIND         NAT         NOTA APPLICABLE         SSD         STOPPING SIGHT DISTANCE           DEWIND         DEWIND         NAT         NATIONAL ENVIRONMENTAL POLICY ACT         TAIN         TAIN TAKES           EA         EACH         REACH         NEPA         NATIONAL ENVIRONMENTAL POLICY ACT         TAIN         TANCENT           ELEV         ELEVATION         NEPA         NATIONAL ENVIRONMENTAL POLICY ACT         TOP         TRAFFIC ONTROL PLAN           ELEV         ELEVATION         NO         NUMBER         NO         NUMBER         TEMP         TEMP OF PIPE           ELEV         ELEVATION         NO         NUMBER         TEMP OF PIPE         TEMP OF PIPE			MSE	MECHANICALLY STABILIZE EARTH	SHLDR	SHOULDER
DEVICES SMH SANTIARY SEWER MANHOLE  CUBIC YARD  DEG DEGREES  N NORTHING  DEGREES  N NORTHING  DEGREES  N NORTHING  SS SANTIARY SEWER SERVICE  DIP DUCITLE IRON PIPE  DUCITLE IRON PIPE  DUCITLE IRON PIPE  DUCITLE IRON PIPE  NAT NATIVE GRASS AREA  STA STATION  STEPLAGE  PERMITTER ON POPE  DUCITLE RON PIPE  DUCITLE RON PIPE  NAT NATIVE GRASS AREA  STA STATION  STEPLAGE  SCHOOL SETTION  STEPLAGE  SCHOOL SETION  STEPLAGE  SCHOOL SETION  STEPLAGE  SCHOOL SETION  NORTH AMERICAN VERTICAL DATUM  STEPLAGE  SCHOOL SETION  STEPLAGE  SCHOOL SETION  STEPLAGE  SCHOOL SETION  NORTH-BASTI  TAN TANCENT  TAN TANCENT  TOP TRAFFIC CONTROL PLAN  TELEPHONE  ELEVATION  NORTH-BASTI  COMBINION  NORD  NATIONAL ENVIRONMENTAL POLICY ACT  TOP TRAFFIC CONTROL PLAN  TELEPHONE  ELEVATION  NORTH-BASTI  TOP TEMPHONE  ELEVATION  NORTH-BASTI  TOP OF PIPE  EDD EDGE OF DRIVEWAY  NORTH-WEST  TOP TEMPHONE  ELEMAGE  EDGE OF CANVELL  EDG OF CONCRETE  NW NORTH-WEST  TOP OF PIPE  EDG OF CONCRETE  NW NORTH-WEST  THE GIANGE OF FIRE HYDRANT  EDG OF CONCRETE  NW NORTH-WEST  THE GIANGE OF FIRE HYDRANT  EDG OF CONCRETE  EDG OF CONCRETE  NW NORTH-WEST  THE GIANGE OF FIRE HYDRANT  EDG OF CONCRETE  TOP TYPICAL  ELEXATION  UNDERGROUND CABLE TELEVISION LINE  EDG OF CONCRETE  EDG OF CONCRETE  EDG OF CONCRETE  EDG OF CONCRETE  TOP TYPICAL  UNDERGROUND ELECTRIC LINE  EDG OF CONCRETE  EDG OF CONCRETE  TOP TYPICAL  EDG OF CONCRETE  TOP TYPICAL  ELEXATION  UNDERGROUND CABLE TELEVISION LINE  EDG OF CONCRETE  EDG			MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL		
CY         CUBIC YARD         MW         MONITORING WELL         SOD         CRASS AREA           DIG         DEGERES         N         NORTHING         SS         SANITARY SEWER SERVICE           DIA         DIAMETER         N/A         NOT APPLICABLE         SS         SANITARY SEWER SERVICE           DW         DRIVEYAY         NAT         NATIVE CRASS AREA         STA         STATION           DWG         DRAWING         NAVD         NORTH AMERICAN VERTICAL DATUM         STBK         SETBACK           EACHOR         NB         NORTH AMERICAN         STBK         SETBACK           EACHOR         NB         NORTH BOUND         SY         SQUARE YARDS           EA         EASTING         GRADE         NB         NORTH BOUND         SY         SQUARE YARDS           EA         EASTING         GRADE         NB         NORTH BOUND         SY         SQUARE YARDS           ELE         ELEVATION         NB         NORTH BOUND         SY         SQUARE YARDS           ELEV         ELEVATION         NB         NORTH BOUND         TEMP TO THE TARFIC CONTROL PLAN           ELEV         ELEVATION         NB         NORTH BOUND         TEMP TO THE TARFIC CONTROL PLAN           ELE				DEVICES		
DEG DIAMETER SUMMETER SERVICE DIP DUCTILE IRON PIPE  NAT NATIVE GRASS AREA  STATION  STEK  SETBACK			MW			
DIP DUTILE IRON PIPE NAT NATIVE GRASS AREA STA STATION DIVIDITIES OF PROBREMS OF THE PROBREMS	DEG					
DW DRIVEWAY DORS DRIVEWAY DWG DRAWING E EASTING E EASTING E EASTING BACH BACH BACH BACH BACH BACH BACH BACH	DIA	DIAMETER				
ÖWG         DRAWING         DRAWING         NAVD         NORTH AMERICAN VERTICAL DATUM         STBK         SETBACK           E         EASTING         NB         NORTH BOUND         SY         SQUARE YARDS           EA         EACH         NB         NORTH BOUND         TAN         TANCENT           EC         EXISTING GRADE         NEPA         NATIONAL ENRONMENTAL POLICY ACT         TCP         TRAFFIC CONTROL PLAN           ELEVATION         NGVD         NATIONAL ENRONMENTAL POLICY ACT         TCP         TRAFFIC CONTROL PLAN           ELEV         ELEVATION         NGVD         NATIONAL ENRONMENTAL POLICY ACT         TCP         TRAFFIC CONTROL PLAN           ED         EDEC OF ASPHALT         NO         NUMBER         TEMP         TEMP TEMPORARY           EOC         EDEC OF DERVEWAY         NTP         NOT TO SCALE         TRANS         TRANSITION           EOC         EDEC OF CONCRETE         NS         NOT TO SCALE         TRAINS         TRANSITION           EOG         EDEC OF PAVEMENT         O/S         OFFSET         TW         TOP OF PRIE           EAST         ESTIMATE         CRAVEL         O/S         OFFSET         TW         TOP OF PRIE           EYE         ENVERONAL SATION	DIP	DUCTILE IRON PIPE	•		SSD	STOPPING SIGHT DISTANCE
DWG DRAWING PASHING PASHING PASH NORTH AMERICAN VERTICAL DATUM STBK SETBACK PASH PASH PASH PASH PASH PASH PASH PASH	DW	DRIVEWAY	NAT	NATIVE GRASS AREA	STA	STATION
E ASTING ACH PACHE ACH PACH PACH PACH PACH PACH PACH PACH		DRAWING	NAVD	NORTH AMERICAN VERTICAL DATUM	STBK	SETBACK
EA EACH GC EXISTING GRADE ELEVATION EDGE OF ASPHALT EOD EDGE OF ASPHALT EOD EDGE OF DRIVEWAY ELEVATION EOG EDGE OF CONCRETE ENDE EOG EDGE OF GRAVEL EOG						
EC ELEVATION NGVD NATIONAL ENVIRONMENTAL POLICY ACT TOP TRAFFIC CONTROL PLAN ELEVATION NGVD NATIONAL GEODETIC VERTICAL DATUM 1929 TELE TELEPHONE ELEVATION NGVD NATIONAL GEODETIC VERTICAL DATUM 1929 TELE TELEPHONE TEMP TEMPORARY DATUM 1929 TELE TELEPHONE TEMPORARY DATUM 1929 TELE TELEPHONE TEMPORARY DATUM 1929 TEMP TEMP TEMPORARY DATUM 1929 TEMP TEMP TEMP TEMP TEMP TEMP TEMP TEMP						
ELEVATION NOWNER NATIONAL GEODETIC VERTICAL DATUM 1929  ELEVATION PEDE OF ASPHALT  ELEVATION  EDGE OF ASPHALT  EDD EDGE OF ASPHALT  EDD EDGE OF DRIVEWAY  EDGE OF CONCRETE  EDG EDGE OF CONCRETE  EDG EDGE OF CONCRETE  EDG EDGE OF CONCRETE  EDG EDGE OF RAYEL  EDG EDGE OF ASPHALT  EDG EDGE OF CONCRETE  EDG EDG OF CONCRETE  EDG EDG OF CONCRETE  EDG EDG OF RAYEL  EDG EDG EDG OF RAYEL  EDG						
ELEVATION FOR EDGE OF ASPHALT FOR EDGE OF CONCRIFE FOR EDGE OF CONCRIFE FOR EDGE OF GRAVEL FOR EDGE OF						
EDG EDGE OF ASPHALT EDD EDGE OF DRIVEWAY EDG EDGE OF DRIVEWAY EDG EDGE OF CONCRETE EDG EDGE OF GRAVEL EDG EDGE OF AVEMENT EDG EDGE OF AVEMENT EDG EDGE OF AVEMENT EDG EDGE OF AVEMENT EDG EDG OF AVEMENT EDG EDG OF AVEMENT EDG EDG OF AVEMENT EDG						
EDG EDGE OF DRIVEWAY ON TO SCALE  EDGE OF CONCRETE  NY NORTHWEST  EDGE OF CONCRETE  EDGE OF CONCRETE  NY NORTHWEST  TRANS  TRANSITION  TRUE  TRANS  TRANSITION  TOP OF PIPE  TRANS  TRANSITION  TOP OF WALL  TOP OF W			NO	NUMBER		
EDG C FOR CONCRETE  COC EDGE OF CONCRETE  COC EDGE OF GAVEL  COC EDGE OF FAVEL  COC EDGE			NTP	NOTICE TO PROCEED	TP	TOP OF PIPE
EOG EDGE OF GRAVEL  EOG EDGE OF PAVEMENT  EOP EDGE OF PAVEMENT  EOP EDGE OF PAVEMENT  EPA ENVIRONMENTAL PROTECTION AGENCY  ESMT EASEMENT  ESTIMATE  EVC END VERTICAL CURVE ELEVATION  PC POINT OF COMPOUND CURVATURE  EXISTING  EXISTING  EXISTING  EXISTING  FEST EXISTING  FINISHED GRADE  FHWA FEDERAL HIGHWAY ADMINISTRATION  FI FLOWLINE  FI FEET  G G GS  GRAVEL  GRAVEL  GRAVEL  GRAVEL  EOG OF GRAVEL  O/S OFFSET  TW TOP OF WALL  TW TOP OF WALL  TW TOP OF WALL  TW TOP OF WALL  TREE, TRAFFIC FLANGE OF FIRE HYDRANT  TOP OF WALL  TW TOP OF WALL			NTS	NOT TO SCALE	TRANS	TRANSITION
EOP EDGE OF PAVEMENT O/S OFFSET TW TOP OF WALL PARE ENVIRONMENTAL PROTECTION AGENCY OC ON CENTER TYP TYPICAL ESMT EASEMENT OD OUTSIDE DIAMETER UCTV UNDERGROUND CABLE TELEVISION LINE EST ESTIMATE OH OVERHEAD UE UNDERGROUND ELECTRIC LINE EVCE END VERTICAL CURVE ELEVATION OP OUTLET PROTECTION UG UNDERGROUND GAS LINE EVCS END VERTICAL CURVE STATION PC POINT OF COMPOUND CURVATURE USACE US ARMY CORPS OF ENGINEERS EXISTING PC POINT OF COMPOUND CURVATURE USGS US GEOLOGICAL SURVEYY EXIST EXISTING PC POINT OF COMPOUND CURVATURE USGS US GEOLOGICAL SURVEYY FES FLARED END SECTION PED PEDESTRIAN UT UNDERGROUND TELEPHONE LINE FG FINISHED GRADE PERM PERMANENT VC VERTICAL CURVE FH FIRE HYDRANT PG PAGE FHWA FEDERAL HIGHWAY ADMINISTRATION PI POINT OF INTERSECTION W/ WITH FL FLOWLINE FT FEET PM PROPERTY LINE FG GAS GAS GG GG GRAPHICAL INFORMATION SYSTEM GB GRADE BREAK GIS GEOGRAPHICAL INFORMATION SYSTEM GPS GLOBAL POSITIONING SYSTEM POT POINT ON TANGENT WS WATER SERVICE GR GRAVEL GRAVEL GRAVEL GRAVEL GRAVEL GRAVEL GRAVEL GRAVEL GRAVEL GY GATE VALVE  VOTV UNDERGROUND CABLE TELEVISION LINE TYP TYPICAL TOP TYPICAL TOP TYPICAL TOP TYPICAL TOP TYPICAL TOP ON WALL TOP OF WALL TYP TYPICAL TYP TYPICAL TYP TYPICAL TOP TYPICAL TOP ON WALL TYP TYPICAL TOP ON WALL TYP TYPICAL TOP ON WALL TYP TYPICAL TOP ON WELL TOP ON WALL TYP TYPICAL TYP TYPICAL TOP ON WALL TOP ON WALL TYP TYPICAL TYP TYPICAL TYP TYPICAL TYP TYPICAL TYP TYPICAL TOP ON WALL TOP ON WALL TOP ON WALL TYP TYPICAL TOP ON WALL TYP TYPICAL T						
EPA ENVIRONMENTAL PROTECTION AGENCY  ESM EASEMENT  EASEMENT  EASEMENT  EST ESTIMATE  OD OUTSIDE DIAMETER  UCTV UNDERGROUND CABLE TELEVISION LINE EYCE END VERTICAL CURVE ELEVATION  OP OUTLET PROTECTION  OP OUTLET PROTECTION  UG UNDERGROUND GAS LINE EYCE END VERTICAL CURVE STATION  EVCS END VERTICAL CURVE STATION  PC POINT OF CURVATURE  EX EXISTING  EX EXIST EXISTING  EX EXISTING						
ESMT EASEMENT OD OUTSIDE DIAMETER UCTV UNDERGROUND CABLE TELEVISION LINE EST ESTIMATE OH OVERHEAD UE UNDERGROUND ELECTRIC LINE EVCE END VERTICAL CURVE ELEVATION OP OUTLET PROTECTION UG UNDERGROUND GAS LINE EXISTING PCC POINT OF CURVATURE USGS US GEOLOGICAL SURVEY EXIST EXISTING PCC POINT OF COMPOUND CURVATURE USGS US GEOLOGICAL SURVEY EXIST EXISTING PERMANENT VC VERTICAL CURVE ELEVATION PERMANENT VC VERTICAL CURVE FROM WIDE FIRE HIGHWAY ADMINISTRATION PI POINT OF INTERSECTION W/ WITH FLET FLOWLINE FIRE HYDRANT PROPERTY LINE W/O WITHOUT FEET GASE PROJECT MANAGER WB WEST BOUND FROM PROJECT MANAGER WB WEST BOUND GRADE PRIMANAGER WB WEST BOUND GRADE PRIMANAGER WB WEST BOUND GRADE PRIMANAGER WG WCD WATER QUALITY CONTROL DIVISION GPS GLOBAL POSITIONING SYSTEM POOL PROPOSED X—S CROSS SLOPE GRAVEL GRAVEL PSF POUNDS PER SQUARE FIELT YD YARD			,			
EST ESTIMATE  EVCE END VERTICAL CURVE ELEVATION  EVCS END VERTICAL CURVE ELEVATION  EVCS END VERTICAL CURVE ELEVATION  EXISTING  EXIST FLARED END SECTION  PED  PED  PERM  PERMANENT  PERMANENT  VC  VERTICAL CURVE  FH  FIRE HYDRANT  FLIVE  FHIRE HYDRANT  FLIVE						
EVCE END VERTICAL CURVE ELEVATION OP OUTLET PROTECTION UG UNDERGROUND GAS LINE EVCS END VERTICAL CURVE STATION PC POINT OF CURVATURE USACE US ARMY CORPS OF ENGINEERS EXEXISTING PCC POINT OF COMPOUND CURVATURE USGS US GEOLOGICAL SURVEY UNDERGROUND TELEPHONE LINE EXISTING PERMANENT VC VERTICAL CURVE FES FLARED END SECTION PERM PERMANENT VC VERTICAL CURVE FROM PERMANENT PC PG PAGE W WIDE FH FIRE HYDRANT PC PG PAGE W WIDE FEW PC PAGE W WIDE FIRE FLOWLINE PL PROPERTY LINE W/O WITHOUT FEET POINT ON CURVE WB WEST BOUND DG PROPERTY LINE W/O WITHOUT POINT ON TANGENT W WORD WATER QUALITY CONTROL DIVISION GPS GLOBAL POSITIONING SYSTEM POT POINT ON TANGENT WS WATER SERVICE GR GRAVEL GRAVEL PSI POUNDS PER SQUARE FEET YD YARD CORS SLOPE SQUARE INCH			OD	OUTSIDE DIAMETER		
EVCS END VERTICAL CURVE STATION EX EXISTING EXIST EXISTING EXISTING EXIST EXIST EXIST EXIST EXAMPT CORPS OF ENGINEERS US GEOLOGICAL SURVEY  US ARMY CORPS OF ENGINEERS US GEOLOGICAL SURVEY  VC VERTICAL CURVE EXIST EXIST EXIST EXAMPT CORPS OF ENGINEERS EXIST EXIST EXIST EXIST EXAMPT CORPS OF ENGINEERS US GEOLOGICAL SURVEY  US ARMY CORPS OF ENGINEERS US GEOLOGICAL SURVEY  US ARMY CORPS OF ENGINEERS US GEOLOGICAL SURVEY  US ARMY CORPS OF ENGINEERS  US GEOLOGICAL SURVEY  US ARMY CORPS OF ENGINEERS  US GEOLOGICAL SURVEY  UNDERGROUND TELEPHONE LINE  VC VERTICAL CURVE  WE WIDE  FOR PAGE  W WIDE  FINE HYDRANT  POUNT OF COMPOUND CURVATURE  US ARMY CORPS OF ENGINEERS  US GEOLOGICAL SURVEY  UNDERGROUND TELEPHONE LINE  VC VERTICAL CURVE  VERTICAL CURVE  VERTICAL CURVE  VERTICAL CURVE  FERMANENT  UT UNDERGROUND TELEPHONE LINE  WW WIDE  FOR PAGE  W WIDE  FOR PAGE  W WIDH  FOR PROPERTY LINE  WYO WITHOUT  FIT PLOWLINE  UNDERGROUND TELEPHONE  UNDERGROUND TELEPHONE  UNDERGROUND TELEPHONE  UNDERGROUND TELEPHONE  UNDERGROUND TELEPHONE  UNDERGROUND  UNDERGR			ОН	OVERHEAD	UE	
EXIST EXISTING EXISTI			OP	OUTLET PROTECTION	UG	UNDERGROUND GAS LINE
EXISTING EXIST EXISTING EXIST EXI					USACE	US ARMY CORPS OF ENGINEERS
FES FLARED END SECTION FG FINISHED GRADE FH FIRE HYDRANT FL FLOWLINE FG GAS GRADE BREAK GIS GEOGRAPHICAL INFORMATION SYSTEM GR GRAVEL G						
FES FLARED SECTION FG FINISHED GRADE FH FIRE HYDRANT FH FIRE HYDRANT FEWAY FOR FOR FEWAY FOR FOR FOR FEWAY FEWAY FEWAY FEWAY FEWAY FOR FOR FOR FOR FOR FEWAY FEWAY FEWAY FOR FOR FOR FOR FOR FOR FEWAY FEWAY FOR FOR FOR FOR FOR FOR FOR FEWAY FEWAY FOR FOR FOR FOR FOR FOR FOR FOR FOR FEWAY FOR						
FH FIRE HYDRANT PG PAGE W WIDE  FHWA FEDERAL HIGHWAY ADMINISTRATION PI POINT OF INTERSECTION W/ WITH  FL FLOWLINE PL PROPERTY LINE W/O WITHOUT  FT FEET W PM PROJECT MANAGER WB WEST BOUND  G GAS  GRADE BREAK  GIS GEOGRAPHICAL INFORMATION SYSTEM  GPS GLOBAL POSITIONING SYSTEM  GRAVEL  GR						
FHWA FEDERAL HIGHWAY ADMINISTRATION PI POINT OF INTERSECTION W/ WITHOUT FL FLOWLINE PL PROPERTY LINE W/O WITHOUT FT FEET PM PROJECT MANAGER WB WEST BOUND G GAS GB GRADE BREAK GIS GEOGRAPHICAL INFORMATION SYSTEM GPS GLOBAL POSITIONING SYSTEM POT POINT ON CURVE GR GRAVEL GRAVEL GRAVEL GRAVEL GRAVEL GRAVEL GV GATE VALVE  PSI POUNDS PER SQUARE FEET POUNDS PER SQUARE INCH	FG	FINISHED GRADE		PERMANENT		
FL FLOWLINE FT FEET G GAS GB GRADE BREAK GIS GEOGRAPHICAL INFORMATION SYSTEM GPS GLOBAL POSITIONING SYSTEM GRAVEL GRAV GRAVEL GV GATE VALVE  PL PROPERTY LINE PM PROJECT MANAGER PM PROJECT MANAGER WB WEST BOUND WATER LINE WGCD WATER QUALITY CONTROL DIVISION WS WATER SERVICE X—S CROSS SLOPE YD YARD	FH	FIRE HYDRANT	PG	PAGE	W	WIDE
FL FLOWLINE FT FEET G GAS GB GRADE BREAK GIS GEOGRAPHICAL INFORMATION SYSTEM GPS GLOBAL POSITIONING SYSTEM GRAVEL GRAV GRAVEL GV GATE VALVE  PL PROPERTY LINE PM PROJECT MANAGER PM PROJECT MANAGER WB WEST BOUND WATER LINE WGCD WATER QUALITY CONTROL DIVISION WS WATER SERVICE X—S CROSS SLOPE YD YARD	FHWA	FEDERAL HIGHWAY ADMINISTRATION	PI	POINT OF INTERSECTION	W/	WITH
FT FEET PM PROJECT MANAGER  G GAS GRADE BREAK GIS GEOGRAPHICAL INFORMATION SYSTEM GPS GLOBAL POSITIONING SYSTEM GRAVEL GRAVEL GRAVEL GRAVEL GRAVEL GV GATE VALVE  PM PROJECT MANAGER PNT POINT POINT ON CURVE PNT POINT ON CURVE PNT POINT ON CURVE PNT POINT ON CURVE WE WATER LINE WE WATER LINE WATER QUALITY CONTROL DIVISION WS WATER SERVICE WATER CONTROL DIVISION WS WATER SERVICE PROP PROPOSED X—S CROSS SLOPE YD YARD	FL				w/o	WITHOLIT
G GAS GB GRADE BREAK GIS GEOGRAPHICAL INFORMATION SYSTEM GPS GLOBAL POSITIONING SYSTEM GR GRAVEL GRAVEL GV GATE VALVE  HOT POINT ON CURVE POC POINT ON CURVE POT POINT ON TANGENT POT POINT ON TANGENT PROP PROPOSED WATER CUALITY CONTROL DIVISION WS WATER SERVICE WGCD WATER QUALITY CONTROL DIVISION WS WATER SERVICE WGCD WATER QUALITY CONTROL DIVISION WS WATER SERVICE PROP PROPOSED X—S CROSS SLOPE YD YARD					•	
GB GRADE BREAK GIS GEOGRAPHICAL INFORMATION SYSTEM GPS GLOBAL POSITIONING SYSTEM GRAVEL GRAV GRAVEL GV GATE VALVE  WATER LINE WATER						
GIS GEOGRAPHICAL INFORMATION SYSTEM GPS GLOBAL POSITIONING SYSTEM GRAVEL GRAVEL GRAVEL GV GATE VALVE  FOC POINT ON CORVE  FOOT POINT ON CORVE  FOOT POINT ON TANGENT  FOC POINT ON CORVE  FOOT POINT ON CORVE  WATER QUALITY CONTROL DIVISION  WATER SERVICE  PROP PROPOSED  X—S CROSS SLOPE  YELLO DIVISION  YELLO DIVISION  YELLO DIVISION  WATER SERVICE  WATER SERVICE  YELLO DIVISION  WATER SERVICE  WATER						
GPS GLOBAL POSITIONING SYSTEM  GR GRAVEL  GRAV GRAVEL  GV GATE VALVE  POINT ON TANGENT  POINT ON TANGENT  POINT ON TANGENT  POINT ON TANGENT  PROP PROPOSED  SWS WATER SERVICE  X—S CROSS SLOPE  YD YARD  YARD						
GR GRAVEL PROP PROPOSED X—S CROSS SLOPE GRAV GRAVEL PSF POUNDS PER SQUARE FEET YD YARD GV GATE VALVE PSI POUNDS PER SQUARE INCH					WS	WATER SERVICE
GRAV GRAVEL PSF POUNDS PER SQUARE FEET YD YARD GV GATE VALVE PSI POUNDS PER SQUARE INCH			PROP	PROPOSED	X-S	CROSS SLOPE
GV GATE VALVE PSI POUNDS PER SQUARE INCH			PSF	POUNDS PER SQUARE FEET		
						·······-
HOL HOMEONIAL CONTINUE LINE IT TOWN OF TANGENCY						
	TICL	HOMZONIAL CONTINUE LINE	1 1	I SIN OF TANGENOT		





mp Rehabilitation

Drive

Legend & Abbreviations

