

2025年上思县道路维修项目（在妙镇）

施工图设计

（修订版）

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| ◆ 道路工程 | |
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恒企工程技术集团有限公司

建筑工程（建筑工程）：甲级；市政工程（道路、桥梁、给水、排水）：乙级；
城乡规划：乙级； 工程咨询：乙级； 风景园林工程：乙级； 公路工程：丙级；
工程监理：（建筑工程）甲级、（市政工程）乙级； 工程勘察：乙级



2025 年 08 月

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建设单位: 上思县农业农村局

项目名称: 2025年上思县道路维修项目（在妙镇）

设计号: HQA2508046

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恒企工程技术集团有限公司

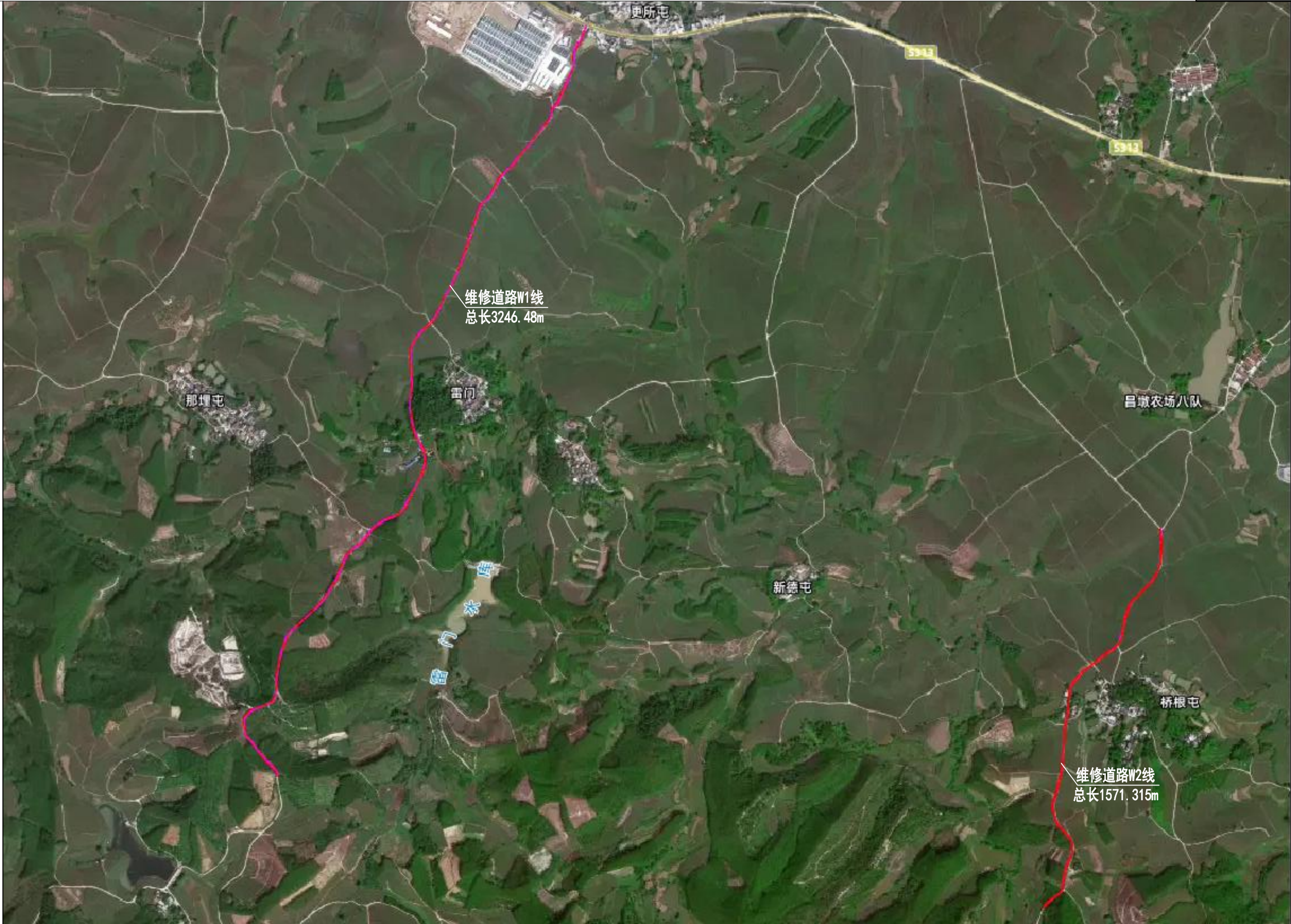
2025 年 08 月

第一部分 道路工程

图 纸 目 录

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会 签 栏



恒企工程技术集团有限公司

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| 建 设 单 位 | 上思县农业农村局 |
| 工 程 名 称 | 2025年上思县道路维修项目（在妙镇） |
| 图 纸 名 称 | 道路总平面图 |

| | |
|-----|------------|
| 图号 | DL-00 |
| 设计号 | HQA2508046 |
| 专 业 | 道路工程 |
| 日 期 | 2025. 08 |

第一篇 总体设计

1.1 项目概况

- (1) 工程名称：2025 年上思县道路维修项目（在妙镇）
- (2) 建设单位：上思县农业农村局
- (3) 设计单位：恒企工程技术集团有限公司
- (4) 项目建设地点：在妙镇
- (5) 建设规模：对现状两条水泥道路病害维修，具体实施规模、内容及参数等详见工程数量总表，实施位置详见平面图，因病害为动态发展病害，病害处理范围可根据现场实际进行调整。

1.2 测设经过

外业勘测是在建设单位的指引和协助下共同完成，沿线人民群众对项目的建设给予重视和大力支持，建议项目尽快的破土动工，以改善人民的生活水平。

1.3 设计依据

- 《小交通量农村公路工程技术标准》（JTG 2111-2019）；
- 《乡村道路工程技术规范》（GB/T 51224-2017）；
- 《公路工程技术标准》（JTG B01-2014）；
- 《公路路线设计规范》（JTG D20-2017）
- 《公路路基设计规范》（JTG D30-2015）；
- 《公路水泥混凝土路面设计规范》（JTG D40-2011）；
- 《公路桥涵设计通用规范》（JTG D60-2015）；
- 《公路桥涵地基与基础设计规范》（JTG 3363-2019）；
- 《公路桥涵施工技术规范》（JTG/T F50-2011）；
- 《公路排水设计规范》（JTG/T D33-2012）；
- 《公路水泥混凝土路面施工技术细则》（JTG/T F30-2014）；
- 《农村公路建设指导意见》（交公路发[2004]372 号）；
- 《公路安全生命防护工程实施技术指南》（试行）。

1.4 技术标准

- (1) 公路等级：四级公路（Ⅱ类）（受限路段按《农村公路建设暂行技术要求》设计）。
- (2) 行车速度：10km/h，平曲线半径小于 15 米路段为 5km/h。
- (3) 路基宽度：5.5m/5m；路面宽度 4.5m/4m，土路肩两侧各 0.5m。
- (4) 路面结构：18cm 厚水泥路面+15cm 级配碎石。

1.5 工程概况

本道路为新建四级公路（Ⅱ类），路线全长按平面图。

1.6 沿线自然条件及地理特征

1.6.1 地貌

在妙镇位于上思县西部，距县城 35 公里，西与宁明县那堪乡接壤，北靠四方山与扶绥县交界，南邻平福乡，东连七门乡，属边境区域，低丘陵盆地。在妙镇境内大部为山前平原，地势略为东高西低、南高北低，地面高程一般在海拔 140-245 米，最高点雷扫肥山顶海拔 781 米，最低点那苗村海拔 134 米。

1.6.2 地震

根据《建筑抗震设计规范》（GB50011-2010）（2016 版）附录 A，防城港市上思县的抗震设防烈度为 6 度。按《中国地震动参数区划图》（GB18306—2015），地震动峰值加速度为 0.05g，反应谱特征周期为 0.35s。

1.6.3 气候

在妙镇属亚热带季风气候，年平均日照时数为 1898.2 小时，年太阳总辐射量达 116.50 千卡/平方厘米，光能资源较为丰富；年平均气温 21.9℃，年平均降雨量 1205.5 毫米。气候温和，雨量适中，无霜期长，为各种动植物最适生长区之一。在妙镇境内主要河流明江，由东而西，从与叫安乡交界处沿界流至板龙村龙跳电，与公安河汇合后流经那苗村，沿境河道 12 千米，境内河道长 4 千米。

1.6.4 与周围环境和自然景观协调情况

路线平面线型设计合理，纵断面设计中选择合理纵坡及变坡位置，平纵面组合比较合理，与自然景观配合比较协调。

1.7 工程建设条件

1.7.1 沿线筑路材料

本项目需要的砂砾石、片石、水泥、钢筋、木材等材料均可在当地料场或市场采购，建设区域交通运输条件较为方便，各种建筑材料均可通过汽车运输直接运往工地。

1.7.1 水、电

公路经过村庄及乡镇的水源及电力都比较丰富和充足，工程施工及生活用水、电能够得到保证。

1.7.2 其它

（1）本工程无民房拆迁，占用水田耕地不多，路线设计已考虑尽量少破坏沿线地貌、地形、林场、天然树木及建筑等。线型设计尽量采用较大的平曲线半径、竖曲线半径、形成合理的组合和良好的空间线型，使之顺畅、舒展。

（2）公路红线所占用的耕地、旱地以及所损坏的果树、林木等经济作物，均由所在乡（镇）人民政府和所属村民委共同协商解决。

1.8 工程施工

本工程为路面新建、硬化工程，部分路基只作加宽施工，但要完善全线排水系统。

通过对防护工程进行绿化、美化工作，使整个工程与大自然融为一体。

1.9 其他

（1）在本工程设计过程中充分学习和贯彻了新规范和新技术，主要有：《公路路基设计规范》（JTG D30-2015）、《公路环境保护设计规范》（JTG B04-2010）等，详见各篇设计说明和图纸。

（2）设计采用计算机绘图软件进行内业设计，采用激光打印机出图。

（3）采用 RTK、全站仪辅助进行路线测绘。

第二篇 路线

2.1 设计依据

《乡村道路工程技术规范》（GB/T 51224-2017）；

《小交通量农村公路工程技术标准》（JTG 2111-2019）；

《公路工程技术标准》（JTG B01-2014）；

《公路路线设计规范》（JTG D20-2017）

《公路路基设计规范》（JTG D30-2015）；

《公路水泥混凝土路面设计规范》（JTG D40-2011）；

《公路桥涵设计通用规范》（JTG D60-2015）；

《公路桥涵地基与基础设计规范》（JTG 3363-2019）；

《公路桥涵施工技术规范》（JTG/T F50-2011）；

《公路排水设计规范》（JTG/T D33-2012）；

《公路水泥混凝土路面施工技术细则》（JTG/T F30-2014）；

《农村公路建设指导意见》（交公路发[2004]372 号）；

《公路安全生命防护工程实施技术指南》（试行）

2.2 路线平面设计

1、布设原则平面线形应满足相关道路工程规程、规范及标准的有关规定；平面线形应直捷、连续、顺适，并与地形、地物相适应，与周围环境相协调；平面线形应满足驾驶员和乘客在视觉和心理上的要求，在保证行车安全、不过多增加工程量的前提下，力求线形组合合理，尽量避免和减少不利组合，充分发挥投资效益；平面线型应保持均衡与连贯，避免连续急弯；平曲线应有足够的长度。

2、本工程路线依地形而布设，尽量避免大填大挖。路线以直线与圆曲线结合为主，反曲线以 S 型曲线连接，同向则尽量按虚交布设成单曲线。对局部路段在工程量增加不大的情况下，充分利用有利地形，在少占地、少拆迁的前提下，对原有路线进行截弯取直，提高路线设计标准，改善道路行车条件。

3. 技术指标：受用地条件限制，道路平曲线以尽量贴合现状，确保可实施性，道路平曲线参数详见后附图表。

2.3 路线纵断面设计

1、布设原则路线纵坡应满足相关道路工程规程、规范及标准的有关规定；纵坡应平顺，起伏不宜过大和过于频繁；纵坡设计应综合考虑沿线地形、地下管线、地质、水文、气候和排水等因素，确定路基高程，保证路基和稳定性与强度；纵坡设计应综合考虑路基工程的填、挖平衡，降低工程造价和节省道路用地；在实地调查的基础上，应充分考虑通道、农田水利等方面的要求，尽量满足当地民间运输条件的要求。

2、纵坡设计本路线位于山岭重丘区，沿线地形较陡，地势起伏大，路线纵坡主要根据地形、地质、水文及地物等条件，并综合考虑平面、横断面进行设计。在满足现行公路工程规程、规范、标准及强制性文件的情况下，对路线纵坡进行多次优化调整，力求路线平缓。

3. 技术指标：本项目分为 10 条路线，竖曲线参数详见后附图表。

2.4 施工应注意的问题

1、施工单位开工前，应全面熟悉设计文件，对布设测量控制点进行全面检查、复核；测量控制点的位置、坐标及高程详见道路平面图。

2、对影响现有公路水利灌溉的工程，施工时应合理安排，尽量减少对地方交通和农田灌溉的干扰。

2.5 特别说明

1、本项目局部路段受地势限制，且投资有限，现场无条件大量挖填方，个别原有路段坡度较大，转弯半径较小，由于地势原因无法进行降坡及加大转弯半径。但为了通行需要，对于不满足设计规范要求的部分路段，当地群众及政府打报告要求我司在尽可能满足规范的条件下，在原有路面上进行道路硬化设计即可，无需我司担负违规责任。

第三篇 路基、路面

3.1 设计依据

《乡村道路工程技术规范》（GB/T 51224-2017）；
《小交通量农村公路工程技术标准》（JTG 2111-2019）；
《公路工程技术标准》（JTG B01-2014）；
《公路路线设计规范》（JTG D20-2017）；
《公路路基设计规范》（JTG D30-2015）；
《公路水泥混凝土路面设计规范》（JTG D40-2011）；
《公路桥涵设计通用规范》（JTG D60-2015）；
《公路桥涵地基与基础设计规范》（JTG 3363-2019）；
《公路桥涵施工技术规范》（JTG/T F50-2011）；
《公路排水设计规范》（JTG/T D33-2012）；
《公路水泥混凝土路面施工技术细则》（JTG/T F30-2014）；
《农村公路建设指导意见》（交公路发[2004]372 号）；
《公路安全生命防护工程实施技术指南》（试行）。

3.2 路基横断面布置及加宽、超高方式的说明

1、根据《设计合同》及有关规范、标准的要求，参照《关于印发农村公路建设 指导意见的通知》（交公路发【2004】372 号），本项目参照四级公路（Ⅱ类）标准 改扩建，路基宽度 4.5 米/4 米/3.5 等，采用水泥砼路面，面层宽度有 3.5m/3m/2.5m，部分道整段或局部设置有土路肩宽 2×0.5 米。 详见《道路平面图》。

2、曲线加宽超高方式

本项目因地形条件限制，不设置超高加宽，但在实施时，在半径小于 40m 转弯处，应视现场情况设置 2%的超高。

3.3 路基设计说明

1、路基设计标高为路基中线标高，不设超高的路段路面横坡为 1.5%，路肩横坡为 4%，超高路段除超高缓和段起点前 1~2m 的过渡段外，路肩与行车道横坡一致。路基设计洪水频率为 1/25。

2、填方边坡：自路基边缘往下 0~8 米为 1：1.5，8~16 米为 1：1.75，16 米以下边坡坡度为 1：2，坡度变化处不设平台。

3、挖方边坡：挖方边坡坡度根据当地自然条件、地质类别和边坡开挖高度确定， 根据本路段的实际情况，全线采用 1：1，不设平台。

4、公路用地范围：一般路段用地范围为排水沟、截水沟、挡土墙、护肩墙、路田分界墙外缘处，无其它构造物路段为坡脚或坡顶处。

3.4 路基标准压实度的说明

填方路基应分层铺筑均匀压实，填料应用指定的料场且经过试验确认后方可填 筑。每一层填料的规格、压实度和 CBR 值必须满足有关要求，当填料无法满足规范 要求时，必须采取适当的处理措施或换填符合要求的土。液限、塑限指数以及含水量 超过规定的土，不能直接作为路堤填料，需要应用时，必须采取满足设计要求的技术 措施，经检查合格后方可使用。每层填土最大松铺厚度应根据现场压实试验确定，压 实后厚度不小于 10 厘米，同种材料的填筑层累计厚度不宜小于 50 厘米，压实层的 表面应整平并做成路拱。土的压实应控制在最佳含水量进行。施工过程中对土的含水 量必须严加控制、及时测定、随时调整。

根据《公路工程技术标准》（JTGB01-2014）、《公路路基设计规范》（JTG D30- 2015）的规定，路基压实标准按重型击实试验法求得最大干密度为准，路基压实度（路床顶面以下深度）要求为：

填方路段：0~80cm≥94%

80~150cm≥93%

150cm 以下≥90%

零填及挖方路段：0~30 cm ≥94% 为保证路基边缘压实度，路基填方宽度每侧超填应不少于 30 cm。 路基土石方数量计算，挖方按天然密实体积计，填方按压实后体积计，移挖作填时，按预算定额考虑了松方系数。计算路基土石方时，扣除了路面厚度并计入了部分边沟开挖数量，但未计入路基超填的影响。

3.5 路面设计说明

全线原有道路为泥路，路面宽约 1~2 米，原旧路基比较窄、排水沟不完善，路面被雨水冲刷严重，遇雨天车辆难以通行。根据《设计合同》、交通部部颁规范《公路水泥砼路面设计规范》（JTGD40—2011），本项目路面结构设计系结合当地的气 候、水文、土质、材料、工程实践经

验、施工和养护条件等进行，本工程路面结构设计如下：

公路等级：四级公路（Ⅱ类）

水泥混凝土路面结构达到临界状态的设计年限：10 年

路面设计交通等级：轻交通等级

路面形式：水泥混凝土路面

设计标准轴载：BZZ-100KN

水泥混凝土路面结构组合设计

| 名 称 | 厚度（cm） | 备注 |
|---------|--------|--------------|
| 水泥混凝土面层 | 18 | 抗弯拉强度≥4.0MPa |
| 级配碎石调平层 | 15 | |
| 原有路基 | | |
| 合 计 | 33 | |

局部损坏路基根据实际情况采用换填方法进行处理，工程量以实际发生量计量。 路面结构层及厚度详见《路面结构图》。

沥青路面抗滑性能指标

| 年平均降雨量 （mm） | 质量验收值 | | 石料磨光值 |
|--------------------|------------|-------------|-------|
| | 横向力系数SFC60 | 构造深度 TD（mm） | PSV |
| >1000 | ≥54 | ≥0.55 | ≥38 |

注：1、应采用测定速度为 60km/h±1km/h 时的横向力系数（SFC60）作为控制指标；

2、路面宏观构造深度可用铺砂法或激光构造深度仪测定；

3.6 路基、路面排水系统设计说明

排水设计注意各种设施之间的联系及进出水口的处理，并与灌溉沟渠结合，注意防止冲毁农田。路堑和路堤的交接处，边沟应引至路堤两侧外，防止水流径直冲刷路 堤，各排水设施具体设置如下：

1、边沟：一般路段边沟采用土边沟，边沟纵坡一般与路基纵坡一致，当路线纵坡小于 0.3% 时，边沟纵坡应不小于 0.3%。具体设置方法见《路基标准横断面图》。

2、根据汇水面积、地质等因素，全线挖方边坡坡顶外不设置截水沟。

3.7 施工方法及注意事项

3.7.1 路基施工

公路施工应首先要注意施工安全问题，施工过程中必须严格按照《公路工程施工安全技术规程》（JTJ076—95）的有关要求进行施工。该路段施工难点是旧路改建， 维护交通较困难，要按规程采取周到的安全措施。

1、路基施工应符合《公路路基施工技术规范》（JTGF10—2015）有关规定。

2、施工前应做好场地清理和排水工作。清除的种植土、淤泥应集中堆放、妥善 保存。对需利用的路基挖方和借土场应进行取样试验，检测其 CBR 值和压实度是否 达到要求，如果达不到要求，则采取必要的技术措施，使填料满足《公路路基施工技 术规范》要求。对于路基开挖的土，根据不同的 CBR 值（≥3）确定填筑路基的不同 区域，对 CBR 值较高的土，应用作铺筑路基的上路床和下路床。

3、液限、塑限指数及含水量超过规定的土，不能直接作为路基填料，需要应用时，必须采取满足设计要求的措施，经检查合格后方可使用。

4、填土前，应将填、挖方地段的树根、杂草清除，路堤基底为耕地或松土时， 应先清除有机土、种植土，以上场地清理后按规定要求压实，在深耕和零填零挖地段， 也应进行翻挖、翻松，然后回填、整平、压实，压实度应符合《公路路基设计规范》 第 3.3.2 条的要求。填土应分层压实。

5、施工应注意各种排水沟渠的连接过渡，前后接顺，并与原有沟渠结合，防止 冲毁农田及影响路基边坡，使之形成一个完整协调能充分发挥其功能的系统。

6、本工程属旧路改建工程，对新老路基填方边坡的衔接处，应开挖台阶，台阶 底应有 2%～4%向内倾斜的坡度，土质路基填挖衔接处采取超挖回填措施处理。

3.7.2 路面施工

1、路面施工应严格按照《公路水泥砼路面施工技术规范》（JTG/T F30—2014） 的有关规定进行施工。

2、基层验收合格后方可铺筑路面。水泥采用硅酸盐水泥，水泥标号为 42.5 号。碎石质地坚硬，并符合规定级配，其最大粒径不大于 40mm， 砼拌和养护宜采用饮用水，浇筑砼模板采用钢模板， 砼抗弯折强度大于 4.0Mpa。

3、砼达到设计强度 25 至 30%时应采用切缝机按设计要求切割，直线每隔 4 米 一道，曲

线段每隔 4m 一道（以路中线长度控制），锯缝宽度不得大于 5mm， 砼在浇筑抹平后，应沿横坡方向拉毛或采用机具压槽，拉毛压槽深度为 1～2mm，纵缝为平缝，涂刷石油沥青二道。

4、质量标准技术指标：

抗弯拉强度标准值：≥4.0MPa

平整度：最大间隙不大于 5mm、标准差不大于 2mm；

相邻板高差：不大于 3mm；

纵缝直顺度：不大于 10mm；

横缝直顺度：不大于 10mm；

板宽：0mm～20mm；

厚度：±5mm；

纵断高程：±15mm；

路拱横坡度：±0.3%且不反坡。

5、混凝土外观质量要求 混凝土表面不得有脱皮、印痕、裂缝、石子外露和缺边掉角现象。板面边角应整齐，不得有大于 0.5mm 的裂缝，并不得有石子外露和浮浆、脱皮、印痕、积水等现象。路面边线、中线直线段应顺直，曲线段应圆滑。路面拉毛纹理适宜。伸缩缝必须垂直，全部贯通。

6、各结构层顶面弯沉值检验标准如下表：

| 面层类型 | 水泥砼面层 | |
|------|-------|-----|
| | 干燥 | 中湿 |
| 路基顶面 | 242 | 266 |

注：弯沉值单位为 1/100mm,已考虑季节影响系数 1.2。

3.7.3 筑路材料

1、水泥

用于混凝土板的水泥应采用强度高，收缩性小，耐磨性强抗冻性好，并且其物理性能化学成份应符合国家标准规定的水泥，多用硅酸盐水泥、普通硅酸盐水泥和道路 硅酸盐水泥，水泥标号不宜低于 32.5 号，进场水泥应有产品合格证及化验单，出厂期超过三个月或受潮的水泥应经试验决定正常使用或降级使用，已结块或变质水泥不得使用。施工时混凝土的配合比应针对我市特细砂道路砼特点，提供砂的细度模数、外加剂掺量及骨料品质等控制指标。

2、砂

应采用洁净、坚硬、符合规定级配、细度模数在 2.5 以上的粗、中砂、砂的质量应符合下表技术要求。

砂的技术要求

| 项目 | | | 技术要求 | | | | | |
|-----------------------------------|--------------|----|-------------------|-------|-------|-------|-------|------|
| 颗 粒 级 配 | 筛孔尺寸 | | 粒径 | | | | | |
| | | | 0.15 | 0.3 | 0.6 | 1.18 | 2.36 | 4.75 |
| | 累计筛余量 （%） | 粗砂 | 90-100 | 80-95 | 71-85 | 35-65 | 5-35 | 0-10 |
| | | 中砂 | 90-100 | 70-92 | 41-70 | 10-50 | 0-25 | 0-10 |
| | | 细砂 | 90-100 | 55-85 | 16-40 | 10-25 | 0-15 | 0-10 |
| 含泥量（冲洗法）（%） | | | 一级 | | 二级 | | 三级 | |
| | | | <1 | | <2 | | <3 | |
| 硫 化 物 和 硫 酸 盐 含 量 （折算为 SO3）（%） | | | <0.5 | | | | | |
| 氯化物（氯离子质量计） | | | ≤0.01 | | ≤0.02 | | ≤0.06 | |
| 有机物质含量（比色法） | | | 颜色不应深于标准溶液的颜色 | | | | | |
| 其它杂质 | | | 不得混有石灰、煤渣、草根等其它杂质 | | | | | |

3、级配碎石

（1）路面底基层采用级配碎石。

①碎石中不应黏土块、植物根叶、腐殖质等有害物质，碎石中针片状颗粒的总含量应不超过 20%。

②碎石的压碎值不能大于 35%。

③配料准确，混合料必须均匀，没有粗细颗粒离析的现象。

④级配碎石必须分层摊铺，每层最大压实厚度不得大于 20cm，否则需分层填筑，填筑最小厚度不得小于 8cm。

⑤碎石宜在最佳含水量时碾压，压实度不小于 95%（重型击实标准），碎石混合料的级配应满足下表要求。

⑥道路底基层的碎石集料最大粒径不应超过 53mm。

（2）施工要求

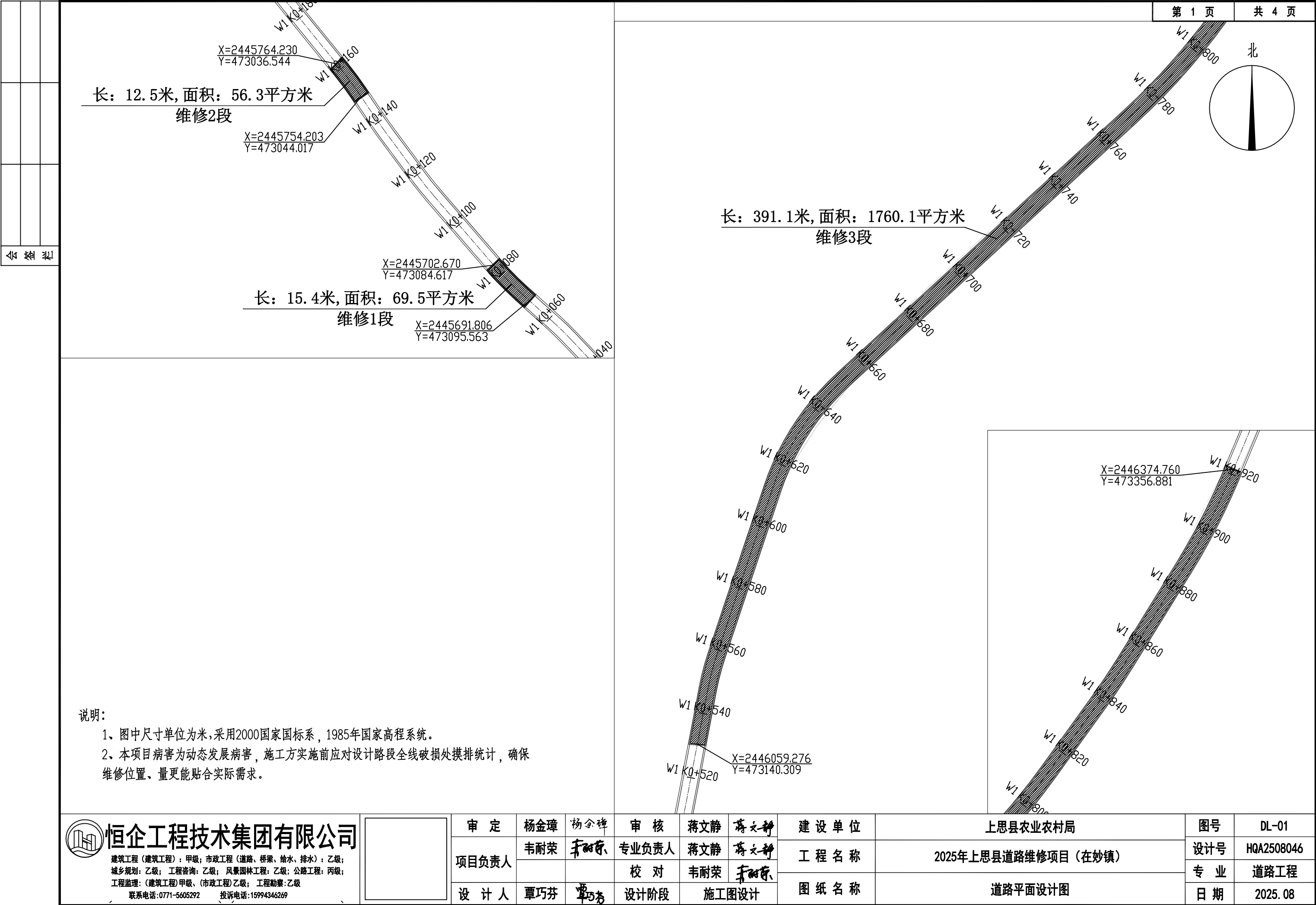
级配碎石须用机械拌和摊铺和碾压。

碎石施工配料必须准确，摊铺或拌和必须均匀，并应严格掌握厚度。

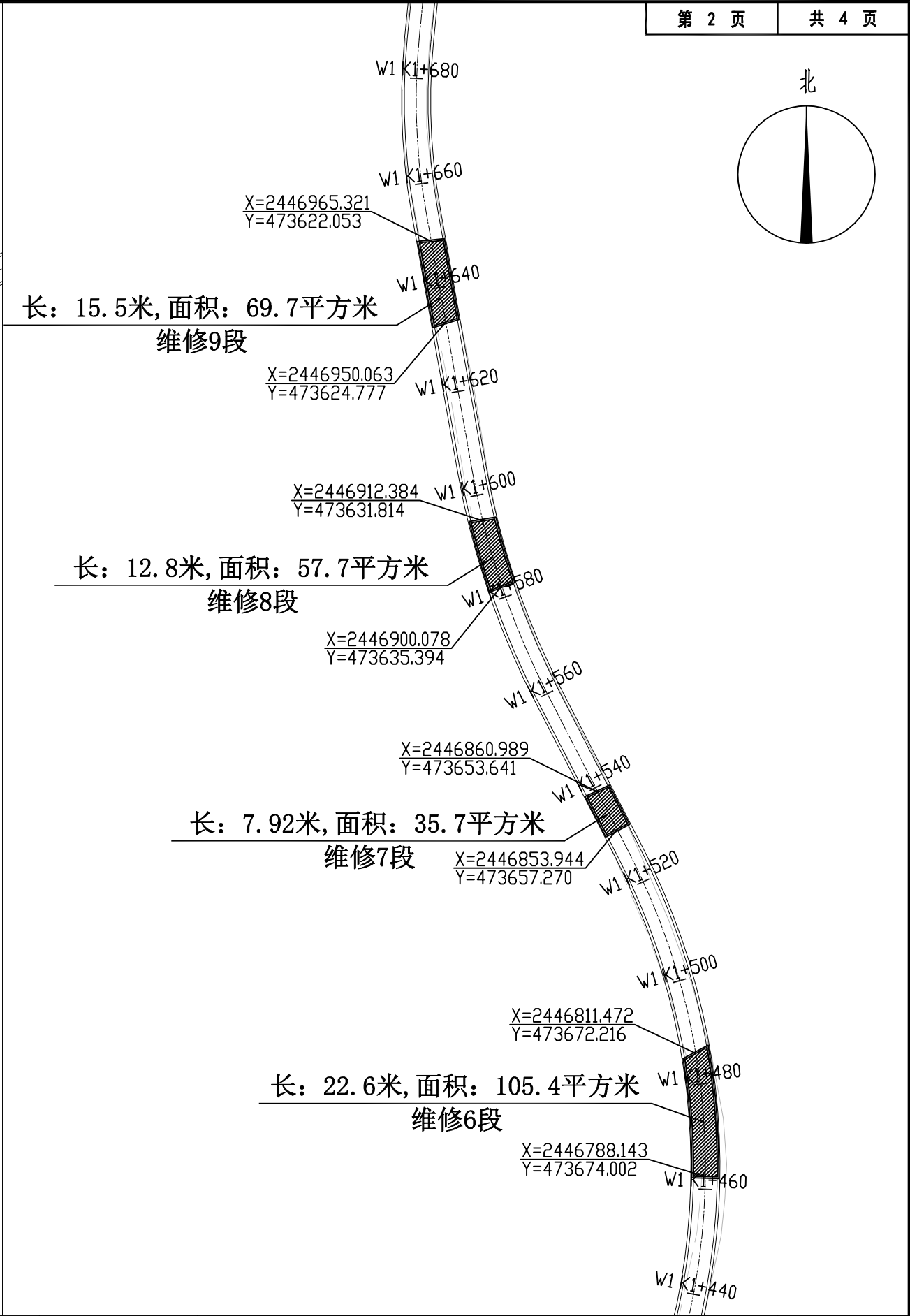
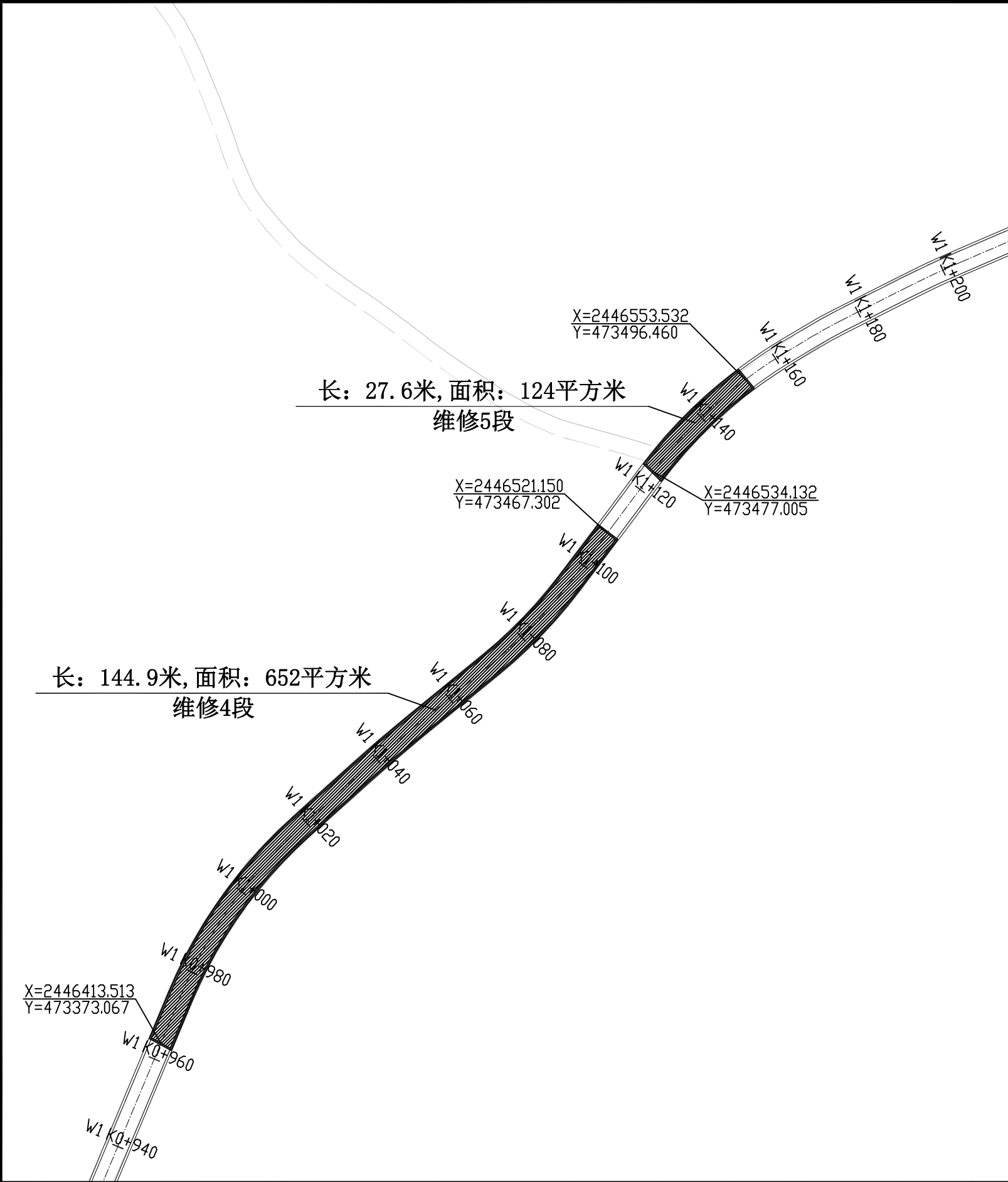
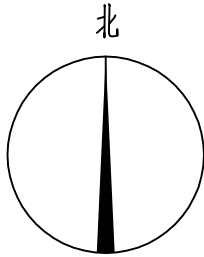
碾压用 12t 以上压路机碾压，压实后应无明显轮迹及推移等现象。

4、水

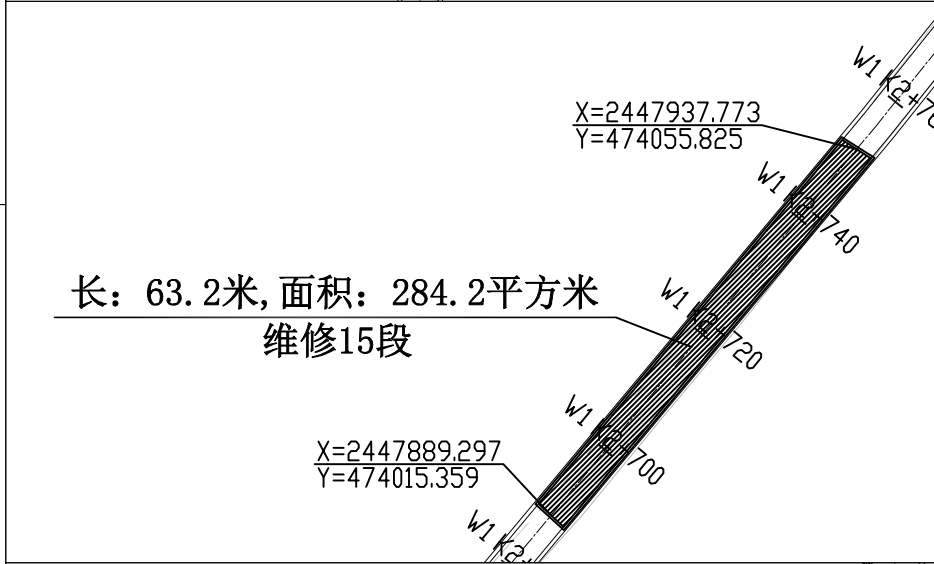
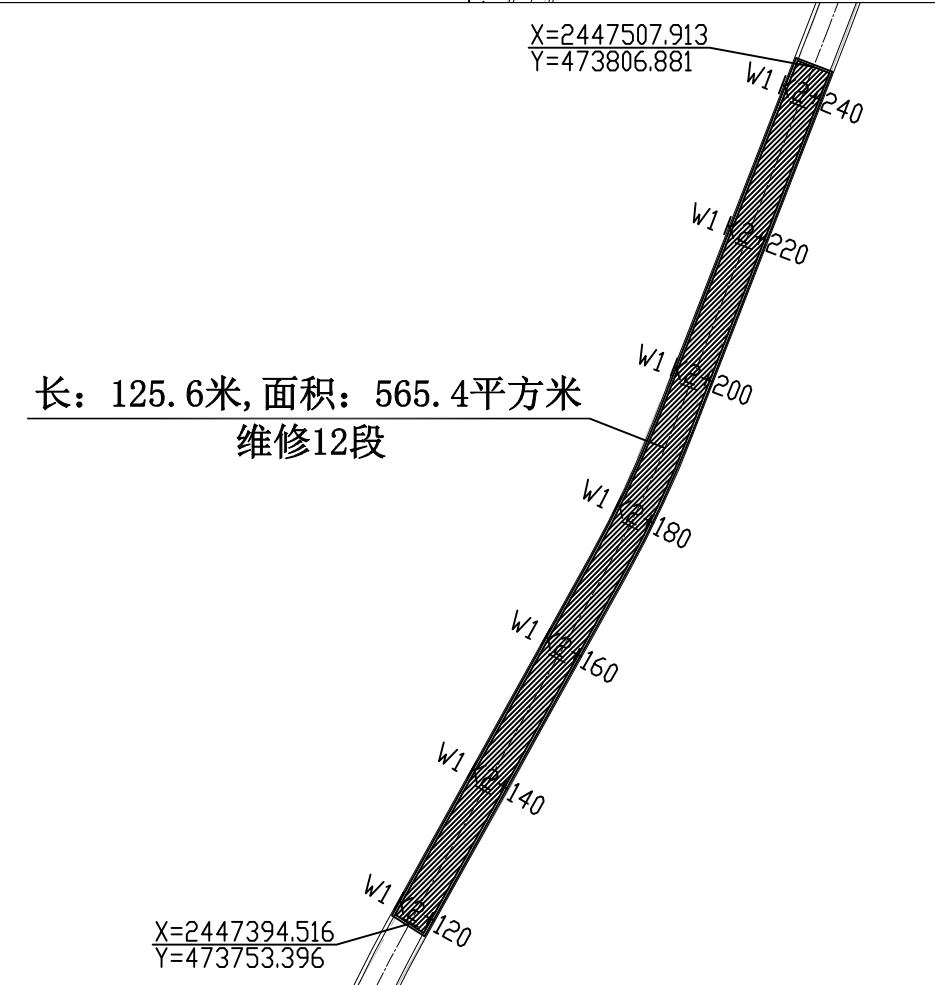
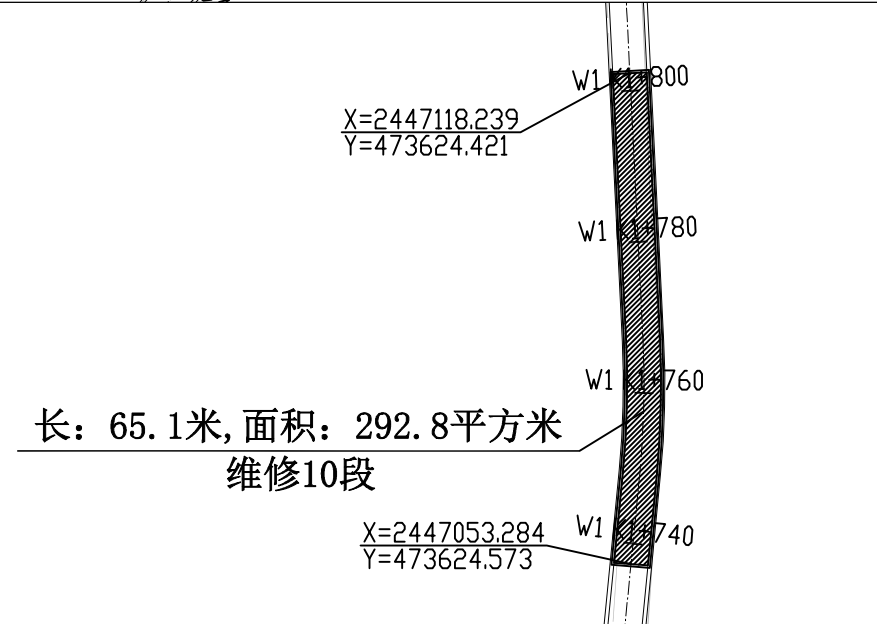
混凝土及养护用水应符合国家现行标准《混凝土用水标准》（JGJ 63）的规定。宜使用饮用水及不含油类等杂质的清洁中性水，pH 值宜为 6～8。



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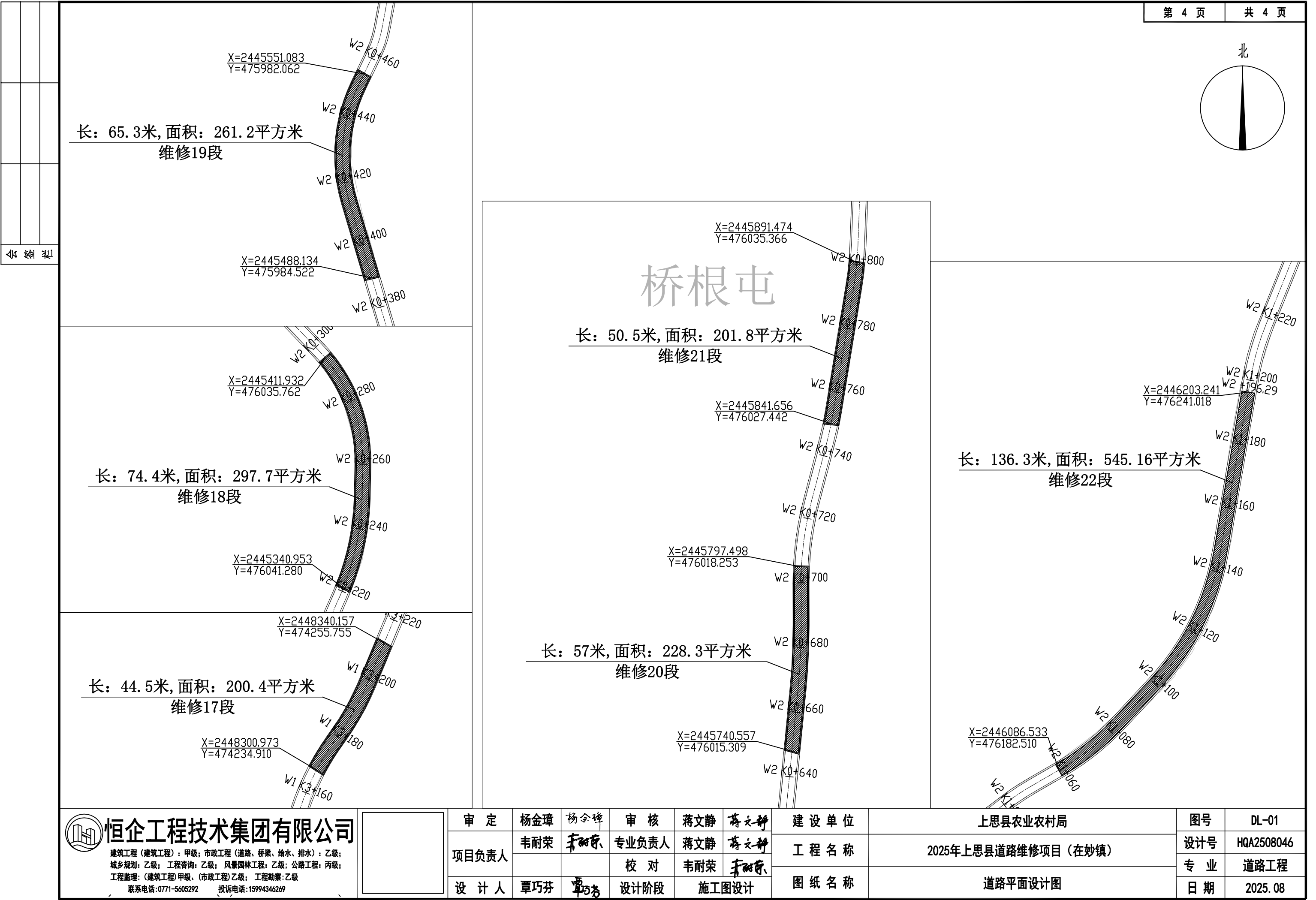
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| <div></div> <div>恒企工程技术集团有限公司</div> <div>建筑工程（建筑工程）：甲级；市政工程（道路、桥梁、给水、排水）：乙级； 城乡规划：乙级；工程咨询：乙级；风景园林工程：乙级；公路工程：丙级； 工程监理：（建筑工程）甲级、（市政工程）乙级；工程勘察：乙级 联系电话:0771-5605292 投诉电话:15994346269</div> | <div></div> | 审 定 | 杨金璋 |  | 审 核 | 蒋文静 |  | 建 设 单 位 | 上思县农业农村局 | 图 号 | DL-01 |
| | | 项目 负责人 | 韦耐荣 |  | 专业负责人 | 蒋文静 |  | 工 程 名 称 | 2025年上思县道路维修项目（在妙镇） | 设计号 | HQA2508046 |
| | | | | | 校 对 | 韦耐荣 |  | | | 专 业 | 道路工程 |
| | | 设 计 人 | 覃巧芬 |  | 设计阶段 | 施工图设计 | | 图 纸 名 称 | 道路平面设计图 | 日 期 | 2025. 08 |

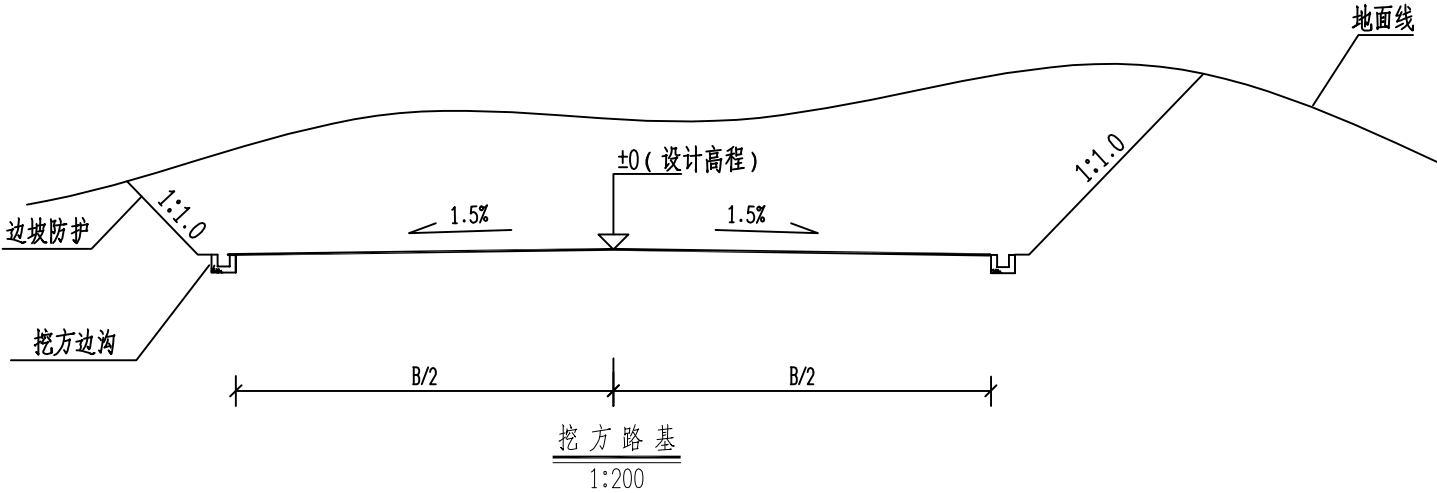
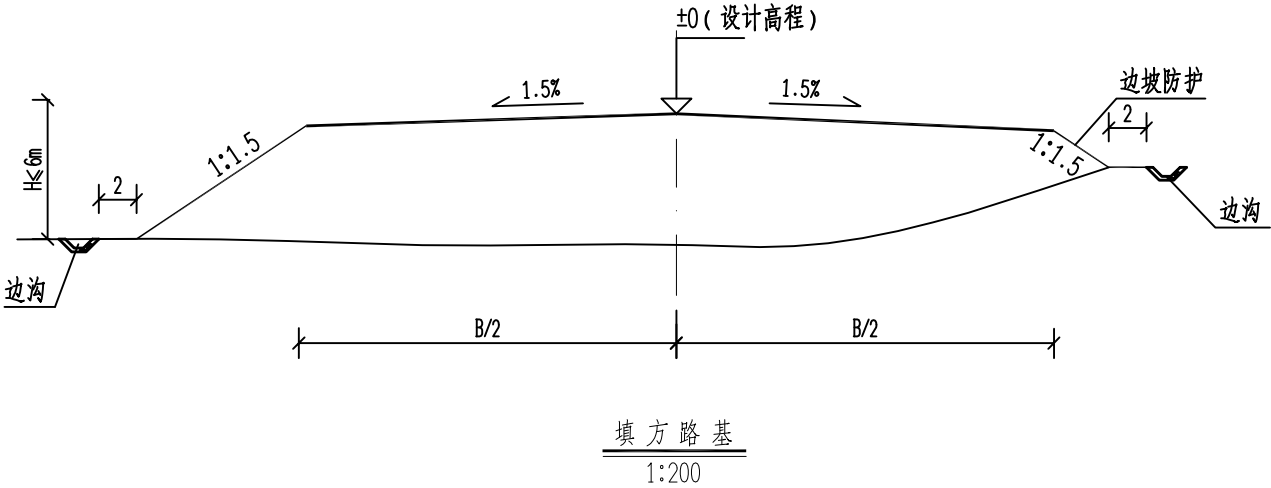


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| 建设单位 |
| 工程名称 |
| 图纸名称 |

| | |
|-----|------------|
| 图号 | DL-01 |
| 设计号 | HQA2508046 |
| 专 业 | 道路工程 |
| 日 期 | 2025. 08 |





说明：

粒径、路基压实度必须满足本图要求。

1. 图中尺寸均以厘米为单位。
2. 当路堤修筑在地面横坡缓于1：5(≤11.3°) 时，无须将地面挖成台阶，将地表清理合格即可；
当路堤修筑在地面横坡陡于1：5(>11.3°) 而缓于1：2(≤26.6°) 时，将地面挖成台阶；
当路堤修筑在地面横坡陡于1：2(>26.6°) 时，须将地面挖成台阶并设置浆砌片石护脚。
3. 填方边坡坡度分级为1：1.5；挖方边坡分级坡度为1：1.1。
4. 开挖过程中遇到中风化边坡，经现场确认边坡稳定性较好时，挖方边坡可采用1：0.75；

4. 土质路基压实度及填料要求要求：

| 项目分类 | | 路基压实度 (重型, %) | 填料最小强度 (CBR, %) | 填料最大粒径 (cm) |
|----------|--------------------|--------------------|----------------------|------------------|
| 填土 路堤 | 路面底面以下深度 | | | |
| | 上路床 (0~30cm) | ≥ 94 | 5.0 | 10 |
| | 下路床 (30~80cm) | ≥ 94 | 3.0 | 10 |
| | 上路堤 (80~150cm) | ≥ 93 | 3.0 | 15 |
| 零填及路堑路床 | 下路堤 (≥ 150cm) | ≥ 90 | 2.0 | 15 |
| | 零填及路堑路床 (0~30cm) | ≥ 94 | 5.0 | 10 |

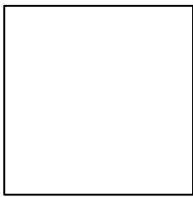
5. 路槽底面土基回弹模量值不得低于25MPa。不能满足要求时应采取换土或其他有利措施提高土基强度。



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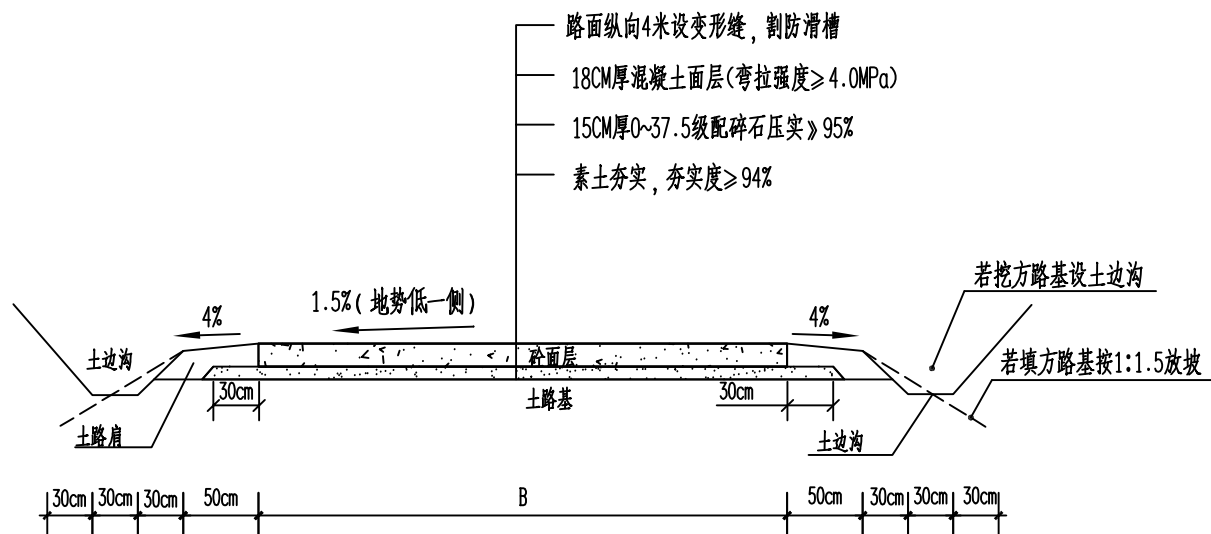


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|-------|-----|-----|-------|-------|-----|
| 审 定 | 杨金璋 | 杨金璋 | 审 核 | 蒋文静 | 蒋文静 |
| 项目负责人 | 韦耐荣 | 韦耐荣 | 专业负责人 | 蒋文静 | 蒋文静 |
| | | | 校 对 | 韦耐荣 | 韦耐荣 |
| 设 计 人 | 覃巧芬 | 覃巧芬 | 设计阶段 | 施工图设计 | |

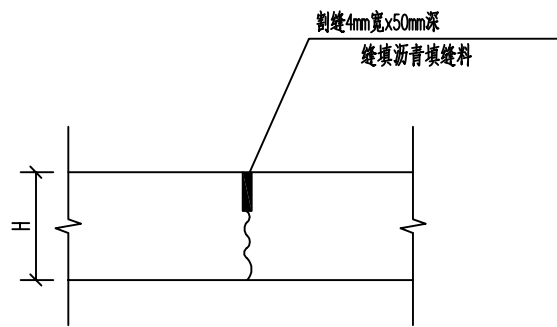
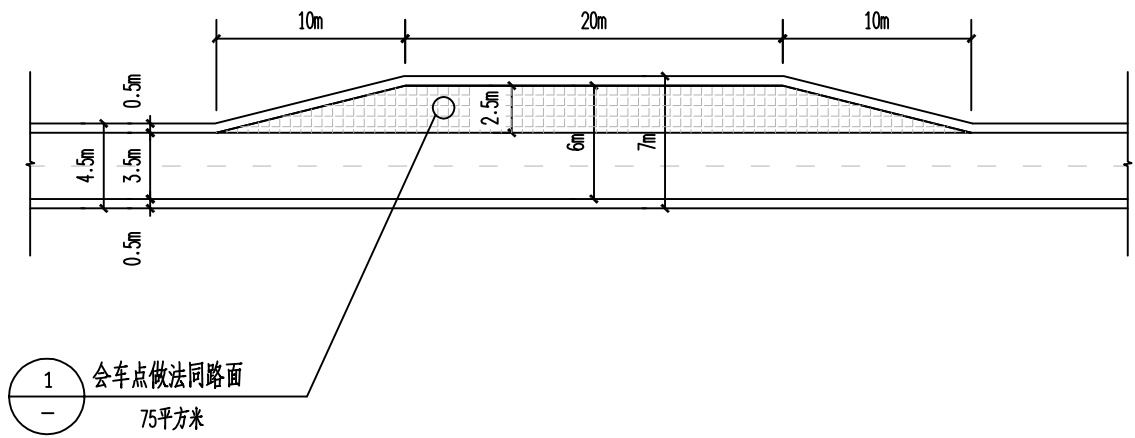
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|---------|---------------------|-----|------------|
| 建 设 单 位 | 上思县农业农村局 | 图 号 | DL-02 |
| 工 程 名 称 | 2025年上思县道路维修项目（在妙镇） | 设计号 | HQA2508046 |
| 图 纸 名 称 | 一般路基设计图 | 专 业 | 道路工程 |
| | | 日 期 | 2025. 08 |

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| 图号 | DL-02 |
| 设计号 | HQA2508046 |
| 专 业 | 道路工程 |
| 日 期 | 2025.08 |

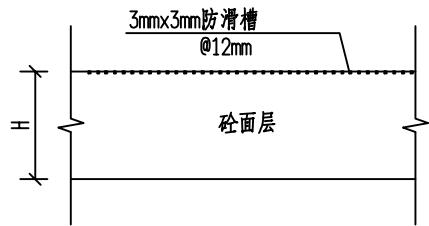
会 签 表



道路横断面示意图



变形缝大样



防滑槽大样

说明:

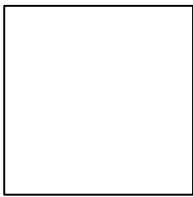
- 1、本图边沟、边坡均根据现场情况确定。
- 2、土路肩结合现场实际情况,有条件应进行培土,避免路面结构突出。
- 3、道路横断面宽度B按道路平面图。



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城乡规划: 乙级; 工程咨询: 乙级; 风景园林工程: 乙级; 公路工程: 丙级;
工程监理: (建筑工程) 甲级、(市政工程) 乙级; 工程勘察: 乙级

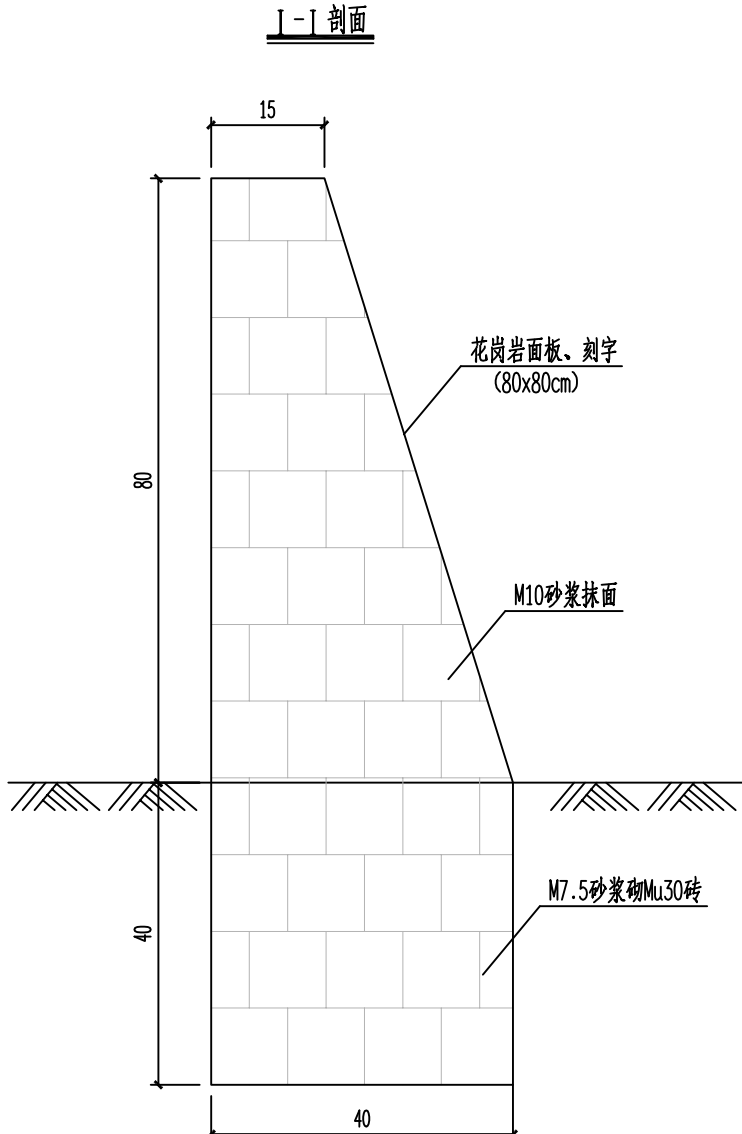
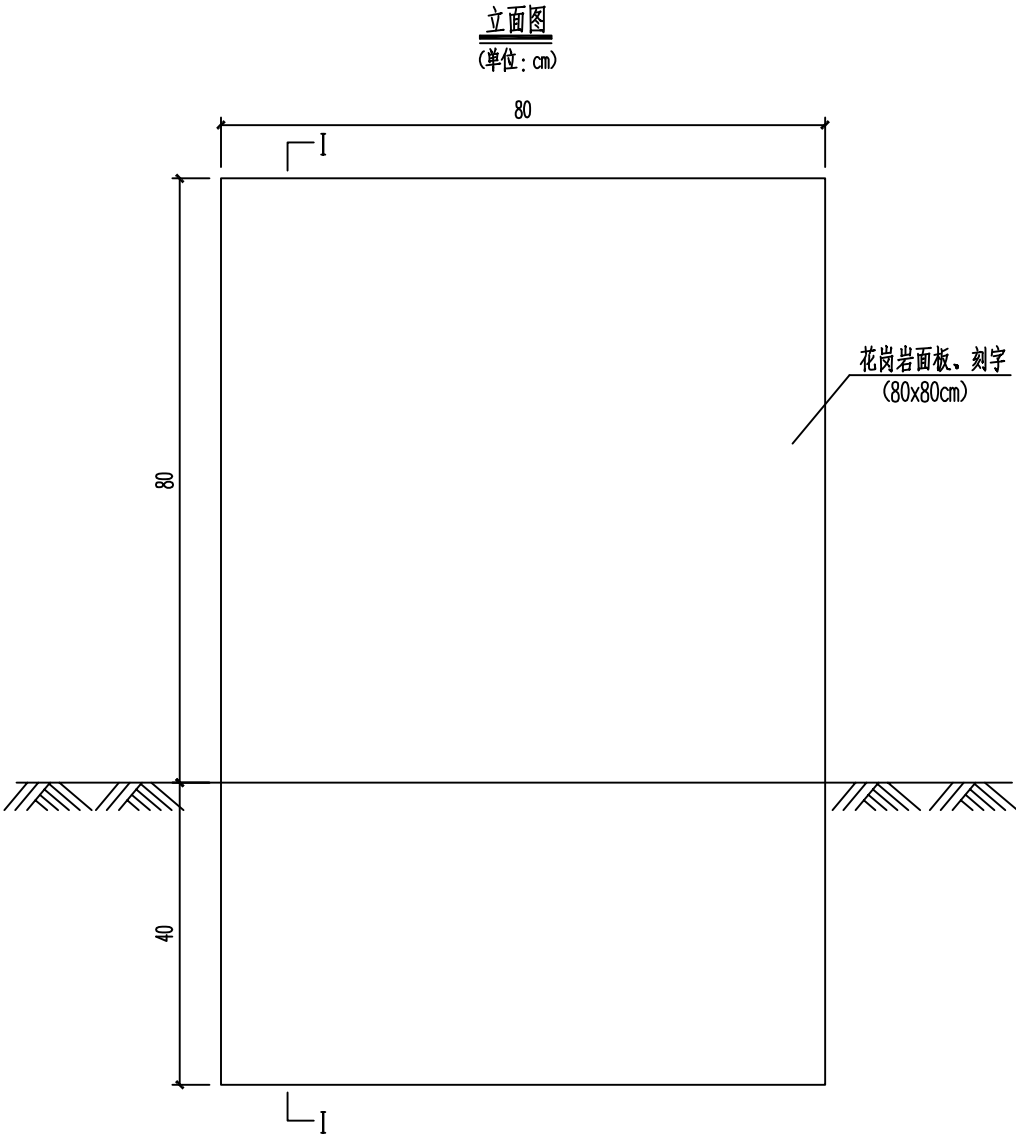
联系电话: 0771-5605292 投诉电话: 15994346269



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| 审 定 | 杨金璋 | 杨金璋 | 审 核 | 蒋文静 | 蒋文静 |
| 项目负责人 | 韦耐荣 | 韦耐荣 | 专业负责人 | 蒋文静 | 蒋文静 |
| | | | 校 对 | 韦耐荣 | 韦耐荣 |
| 设 计 人 | 覃巧芬 | 覃巧芬 | 设计阶段 | 施工图设计 | |

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|---------|----------------------|-----|------------|
| 建 设 单 位 | 上思县农业农村局 | 图 号 | DL-03 |
| 工 程 名 称 | 2025年上思县道路维修项目 (在妙镇) | 设计号 | HQA2508046 |
| 图 纸 名 称 | 道路横断面图、路面结构图 | 专 业 | 道路工程 |
| | | 日 期 | 2025. 08 |

会 签 表



工程数量表

| 序 号 | 名 称 | 规 格 | 数 量 | 单 位 | 备 注 |
|-----|-----------|-------------|------|----------------|-----|
| 1 | 砖砌碑身 | M7.5浆砌Mu30砖 | 0.3 | m ³ | |
| 2 | 砂浆抹面 | M10砂浆抹面 | 1.24 | m ² | |
| 3 | 花岗岩面板刻字嵌面 | | 0.64 | m ² | |

说明:

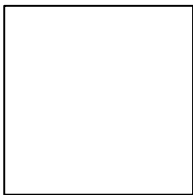
- 图中除特殊说明外, 尺寸以cm为单位。
- 碑面内容按建设单位要求刻录, 设置于项目起终点或显眼位置, 具体以建设单位确认位置为准。
- 碑面刻字板材料可用大理石、不锈钢、黄铜等耐久性材料代替, 以建设单位意见为准。
- 字体采用凹刻宋体、楷体、或隶书, 字体大小根据内容、碑面大小灵活调整, 考虑协调性、及美观可读效果。



恒企工程技术集团有限公司

建筑工程（建筑工程）：甲级；市政工程（道路、桥梁、给水、排水）：乙级；
城乡规划：乙级； 工程咨询：乙级； 风景园林工程：乙级；公路工程：丙级；
工程监理：（建筑工程）甲级、（市政工程）乙级； 工程勘察：乙级

联系电话:0771-5605292 投诉电话:15994346269



| | | | | | |
|-------|-----|-----|-------|-------|-----|
| 审 定 | 杨金璋 | 杨金璋 | 审 核 | 蒋文静 | 蒋文静 |
| 项目负责人 | 韦耐荣 | 韦耐荣 | 专业负责人 | 蒋文静 | 蒋文静 |
| | | | 校 对 | 韦耐荣 | 韦耐荣 |
| 设 计 人 | 覃巧芬 | 覃巧芬 | 设计阶段 | 施工图设计 | |

| | | | |
|---------|---------------------|-----|------------|
| 建 设 单 位 | 上思县农业农村局 | 图 号 | DL-04 |
| 工 程 名 称 | 2025年上思县道路维修项目（在妙镇） | 设计号 | HQA2508046 |
| | | 专 业 | 道路工程 |
| 图 纸 名 称 | 工程责任标志碑 | 日 期 | 2025. 08 |

| | | | | | | | | | | | | | | |
|--|--|--|-------------|-------------|------------|------------|-----|-------|-------|-----|---------|---------------------|-------|------------|
| | | | | | | | | | | | | | 第 1 页 | 共 5 页 |
| | | | 逐 桩 坐 标 表 | | | | | | | | | | | |
| | | | 桩号 | 坐标(米) | | 方位角 | | | | | | | | |
| | | | | X | Y | | | | | | | | | |
| | | | K0+000 | 2445636.378 | 473131.976 | 350°9′42″ | | | | | | | | |
| | | | +020 | 2445655.717 | 473127.135 | 336°15′18″ | | | | | | | | |
| | | | +040 | 2445672.012 | 473115.745 | 316°44′52″ | | | | | | | | |
| | | | +060 | 2445686.261 | 473101.724 | 311°59′21″ | | | | | | | | |
| | | | +080 | 2445699.906 | 473087.11 | 316°53′15″ | | | | | | | | |
| | | | +100 | 2445714.988 | 473073.978 | 319°11′3″ | | | | | | | | |
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| | | | +140 | 2445746.423 | 473049.281 | 325°16′14″ | | | | | | | | |
| | | | +160 | 2445762.751 | 473037.745 | 320°56′4″ | | | | | | | | |
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| | | | +200 | 2445794.802 | 473014.049 | 338°11′38″ | | | | | | | | |
| | | | +220 | 2445814.433 | 473010.981 | 357°51′29″ | | | | | | | | |
| | | | +240 | 2445834.419 | 473010.233 | 357°51′29″ | | | | | | | | |
| | | | +260 | 2445853.926 | 473013.626 | 24°5′24″ | | | | | | | | |
| | | | +280 | 2445869.434 | 473025.924 | 52°44′16″ | | | | | | | | |
| | | | +300 | 2445880.478 | 473042.568 | 63°53′34″ | | | | | | | | |
| | | | +320 | 2445888.305 | 473060.953 | 69°51′32″ | | | | | | | | |
| | | | +340 | 2445895.192 | 473079.73 | 69°51′32″ | | | | | | | | |
| | | | +360 | 2445902.078 | 473098.507 | 69°51′32″ | | | | | | | | |
| | | | +380 | 2445912.787 | 473115.157 | 42°58′58″ | | | | | | | | |
| | | | +400 | 2445930.155 | 473124.649 | 14°20′6″ | | | | | | | | |
| | | | +420 | 2445950.047 | 473126.166 | 1°28′45″ | | | | | | | | |
| | | | +440 | 2445970.04 | 473126.682 | 1°28′45″ | | | | | | | | |
| | | | +460 | 2445990.024 | 473127.391 | 5°27′25″ | | | | | | | | |
| | | | 桩号 | 坐标(米) | | 方位角 | | | | | | | | |
| | | | | X | Y | | | | | | | | | |
| | | | +480 | 2446009.723 | 473130.8 | 10°49′16″ | | | | | | | | |
| | | | +500 | 2446029.368 | 473134.555 | 10°49′16″ | | | | | | | | |
| | | | +520 | 2446049.012 | 473138.309 | 10°49′16″ | | | | | | | | |
| | | | +540 | 2446068.657 | 473142.064 | 10°49′16″ | | | | | | | | |
| | | | +560 | 2446088.081 | 473146.725 | 18°30′55″ | | | | | | | | |
| | | | +580 | 2446107.045 | 473153.076 | 18°30′55″ | | | | | | | | |
| | | | +600 | 2446126.01 | 473159.427 | 18°30′55″ | | | | | | | | |
| | | | +620 | 2446144.839 | 473166.143 | 24°9′56″ | | | | | | | | |
| | | | +640 | 2446161.879 | 473176.514 | 38°29′22″ | | | | | | | | |
| | | | +660 | 2446176.082 | 473190.556 | 47°31′9″ | | | | | | | | |
| | | | +680 | 2446189.589 | 473205.306 | 47°31′9″ | | | | | | | | |
| | | | +700 | 2446203.096 | 473220.056 | 47°31′9″ | | | | | | | | |
| | | | +720 | 2446216.603 | 473234.806 | 47°31′9″ | | | | | | | | |
| | | | +740 | 2446230.11 | 473249.556 | 47°31′9″ | | | | | | | | |
| | | | +760 | 2446243.616 | 473264.307 | 47°31′9″ | | | | | | | | |
| | | | +780 | 2446257.247 | 473278.94 | 45°9′36″ | | | | | | | | |
| | | | +800 | 2446272.034 | 473292.394 | 39°25′49″ | | | | | | | | |
| | | | +820 | 2446288.013 | 473304.415 | 35°48′40″ | | | | | | | | |
| | | | +840 | 2446304.233 | 473316.116 | 35°34′27″ | | | | | | | | |
| | | | +860 | 2446321 | 473327.01 | 31°42′44″ | | | | | | | | |
| | | | +880 | 2446338.014 | 473337.523 | 31°42′44″ | | | | | | | | |
| | | | +900 | 2446355.219 | 473347.712 | 28°11′50″ | | | | | | | | |
| | | | +920 | 2446373.288 | 473356.267 | 22°40′6″ | | | | | | | | |
| | | | +940 | 2446391.743 | 473363.975 | 22°40′6″ | | | | | | | | |
| | | | 桩号 | 坐标(米) | | 方位角 | | | | | | | | |
| | | | | X | Y | | | | | | | | | |
| | | | +960 | 2446410.198 | 473371.683 | 22°40′6″ | | | | | | | | |
| | | | +980 | 2446428.585 | 473379.545 | 25°59′53″ | | | | | | | | |
| | | | K1+000 | 2446445.568 | 473390.045 | 37°27′26″ | | | | | | | | |
| | | | +020 | 2446460.135 | 473403.702 | 48°1′20″ | | | | | | | | |
| | | | +040 | 2446473.49 | 473418.589 | 48°48′57″ | | | | | | | | |
| | | | +060 | 2446486.274 | 473433.969 | 50°45′47″ | | | | | | | | |
| | | | +080 | 2446499.201 | 473449.22 | 45°51′41″ | | | | | | | | |
| | | | +100 | 2446514.398 | 473462.184 | 37°10′23″ | | | | | | | | |
| | | | +120 | 2446530.383 | 473474.203 | 36°44′43″ | | | | | | | | |
| | | | +140 | 2446545.582 | 473487.161 | 45°57′44″ | | | | | | | | |
| | | | +160 | 2446557.959 | 473502.828 | 57°25′17″ | | | | | | | | |
| | | | +180 | 2446567.791 | 473520.232 | 63°12′43″ | | | | | | | | |
| | | | +200 | 2446576.648 | 473538.163 | 65°36′24″ | | | | | | | | |
| | | | +220 | 2446584.583 | 473556.521 | 66°44′8″ | | | | | | | | |
| | | | +240 | 2446593.871 | 473574.193 | 56°4′41″ | | | | | | | | |
| | | | +260 | 2446606.777 | 473589.418 | 43°20′44″ | | | | | | | | |
| | | | +280 | 2446622.721 | 473601.423 | 30°36′48″ | | | | | | | | |
| | | | +300 | 2446640.288 | 473610.983 | 28°21′15″ | | | | | | | | |
| | | | +320 | 2446657.888 | 473620.481 | 28°21′15″ | | | | | | | | |
| | | | +340 | 2446675.489 | 473629.98 | 28°21′15″ | | | | | | | | |
| | | | +360 | 2446693.089 | 473639.478 | 28°21′15″ | | | | | | | | |
| | | | +380 | 2446710.69 | 473648.977 | 28°21′15″ | | | | | | | | |
| | | | +400 | 2446728.29 | 473658.475 | 28°18′4″ | | | | | | | | |
| | | | +420 | 2446746.558 | 473666.568 | 19°29′11″ | | | | | | | | |
| <div><div></div><div><div>恒企工程技术集团有限公司</div><div>建筑工程（建筑工程）：甲级；市政工程（道路、桥梁、给水、排水）：乙级； 城乡规划：乙级； 工程咨询：乙级； 风景园林工程：乙级；公路工程：丙级； 工程监理：（建筑工程）甲级、（市政工程）乙级； 工程勘察：乙级 联系电话:0771-5605292 投诉电话:15994346269</div></div></div> | | | <div></div> | | 审 定 | 杨金璋 | 杨金璋 | 审 核 | 蒋文静 | 蒋文静 | 建 设 单 位 | 上思县农业农村局 | 图 号 | DL-05 |
| | | | | | 项目负责人 | 韦耐荣 | 韦耐荣 | 专业负责人 | 蒋文静 | 蒋文静 | 工 程 名 称 | 2025年上思县道路维修项目（在妙镇） | 设计号 | HQA2508046 |
| | | | | | | | | 校 对 | 韦耐荣 | 韦耐荣 | 图 纸 名 称 | 道路逐桩坐标表 | 专 业 | 道路工程 |
| | | | | | 设 计 人 | 覃巧芬 | 覃巧芬 | 设计阶段 | 施工图设计 | | | | 日 期 | 2025. 08 |

| | | | | | | | | | | 第 2 页 | | 共 5 页 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|------------|------------|-----|-------|-------|-----|---------|---------------------|-------|-------------|------------|-----------|--|--|------------|----------|------|-------------|------------|-----------|---------|-------------|-----------|------------|--------|-------------|------------|------------|------|-------------|------------|---------------------|------|-------------|------------|------------|------|-------------|------------|-----------|---------|-------------|------------|-----------|------|-------------|------------|------------|------|------------|------------|------------|----------|-------------|------------|------------|------|-------------|------------|---------|------|-------------|------------|----------|------|-------------|------------|----------|------|-------------|------------|----------|------|-------------|------------|----------|------|-------------|------------|------------|------|-------------|------------|------------|------|-------------|------------|------------|------|-------------|------------|------------|------|-------------|------------|----------|------|-------------|-----------|-----------|------|-------------|------------|----------|---|--|--|--|----|-------|--|-----|---|---|------|-------------|-----------|-----------|------|-------------|------------|-----------|------|-------------|------------|-----------|------|-------------|------------|-----------|--------|-------------|------------|-----------|------|-------------|------------|----------|------|-------------|------------|-----------|------|-------------|------------|----------|------|-------------|-----------|----------|------|-------------|------------|----------|------|-------------|------------|----------|------|-------------|------------|----------|------|-------------|------------|----------|------|-------------|------------|-----------|------|------------|------------|-----------|------|-------------|------------|-----------|------|-------------|------------|-----------|------|-------------|------------|----------|------|-------------|------------|-----------|------|-------------|------------|-----------|------|-------------|------------|-----------|------|-------------|------------|-----------|------|-------------|------------|-----------|------|-------------|------------|-----------|--|--|--|--|----|-------|--|-----|---|---|------|-------------|------------|-----------|------|-------------|------------|-----------|------|-------------|------------|-----------|------|-------------|------------|-----------|------|-------------|------------|-----------|------|-------------|----------|-----------|------|-------------|------------|-----------|------|-------------|------------|-----------|------|-------------|------------|-----------|------|-------------|------------|-----------|------|------------|------------|----------|------|-------------|------------|-----------|------|-------------|------------|-----------|------|------------|------------|-----------|------|------------|------------|-----------|------|-------------|------------|-----------|------|-------------|------------|-----------|------|-------------|------------|-----------|------|------------|------------|-----------|------|-------------|------------|-----------|------|-------------|------------|-----------|------|-------------|------------|----------|------|-------------|------------|----------|------|-------------|------------|----------|
| 逐 桩 坐 标 表 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table><tr><th rowspan="2">桩号</th><th colspan="2">坐标(米)</th><th rowspan="2">方位角</th></tr><tr><th>X</th><th>Y</th></tr><tr><td>+440</td><td>2446765.851</td><td>473671.766</td><td>10°40'18″</td></tr><tr><td>+460</td><td>2446785.712</td><td>473673.946</td><td>1°51'25″</td></tr><tr><td>+480</td><td>2446805.672</td><td>473673.057</td><td>353°2'32″</td></tr><tr><td>+500</td><td>2446825.261</td><td>473669.12</td><td>344°13'39″</td></tr><tr><td>+520</td><td>2446844.014</td><td>473662.227</td><td>335°24'46″</td></tr><tr><td>+540</td><td>2446861.856</td><td>473653.194</td><td>332°44'33″</td></tr><tr><td>+560</td><td>2446879.636</td><td>473644.034</td><td>332°50'45″</td></tr><tr><td>+580</td><td>2446897.986</td><td>473636.118</td><td>340°29'7″</td></tr><tr><td>+600</td><td>2446917.226</td><td>473630.712</td><td>348°7'29″</td></tr><tr><td>+620</td><td>2446936.902</td><td>473627.127</td><td>349°52'34″</td></tr><tr><td>+640</td><td>2446956.59</td><td>473623.612</td><td>349°52'34″</td></tr><tr><td>+660</td><td>2446976.299</td><td>473620.217</td><td>352°27'34″</td></tr><tr><td>+680</td><td>2446996.252</td><td>473619.253</td><td>2°0'31″</td></tr><tr><td>+700</td><td>2447016.176</td><td>473620.961</td><td>5°33'38″</td></tr><tr><td>+720</td><td>2447036.082</td><td>473622.899</td><td>5°33'38″</td></tr><tr><td>+740</td><td>2447055.987</td><td>473624.836</td><td>5°33'38″</td></tr><tr><td>+760</td><td>2447075.925</td><td>473626.307</td><td>0°29'46″</td></tr><tr><td>+780</td><td>2447095.907</td><td>473625.523</td><td>357°10'33″</td></tr><tr><td>+800</td><td>2447115.882</td><td>473624.537</td><td>357°10'33″</td></tr><tr><td>+820</td><td>2447135.858</td><td>473623.552</td><td>357°10'33″</td></tr><tr><td>+840</td><td>2447155.834</td><td>473622.567</td><td>357°10'33″</td></tr><tr><td>+860</td><td>2447175.818</td><td>473622.008</td><td>2°13'17″</td></tr><tr><td>+880</td><td>2447195.623</td><td>473624.59</td><td>12°38'20″</td></tr><tr><td>+900</td><td>2447214.634</td><td>473630.712</td><td>23°3'23″</td></tr></table> | | | | 桩号 | 坐标(米) | | 方位角 | X | Y | +440 | 2446765.851 | 473671.766 | 10°40'18″ | +460 | 2446785.712 | 473673.946 | 1°51'25″ | +480 | 2446805.672 | 473673.057 | 353°2'32″ | +500 | 2446825.261 | 473669.12 | 344°13'39″ | +520 | 2446844.014 | 473662.227 | 335°24'46″ | +540 | 2446861.856 | 473653.194 | 332°44'33″ | +560 | 2446879.636 | 473644.034 | 332°50'45″ | +580 | 2446897.986 | 473636.118 | 340°29'7″ | +600 | 2446917.226 | 473630.712 | 348°7'29″ | +620 | 2446936.902 | 473627.127 | 349°52'34″ | +640 | 2446956.59 | 473623.612 | 349°52'34″ | +660 | 2446976.299 | 473620.217 | 352°27'34″ | +680 | 2446996.252 | 473619.253 | 2°0'31″ | +700 | 2447016.176 | 473620.961 | 5°33'38″ | +720 | 2447036.082 | 473622.899 | 5°33'38″ | +740 | 2447055.987 | 473624.836 | 5°33'38″ | +760 | 2447075.925 | 473626.307 | 0°29'46″ | +780 | 2447095.907 | 473625.523 | 357°10'33″ | +800 | 2447115.882 | 473624.537 | 357°10'33″ | +820 | 2447135.858 | 473623.552 | 357°10'33″ | +840 | 2447155.834 | 473622.567 | 357°10'33″ | +860 | 2447175.818 | 473622.008 | 2°13'17″ | +880 | 2447195.623 | 473624.59 | 12°38'20″ | +900 | 2447214.634 | 473630.712 | 23°3'23″ | <table><tr><th rowspan="2">桩号</th><th colspan="2">坐标(米)</th><th rowspan="2">方位角</th></tr><tr><th>X</th><th>Y</th></tr><tr><td>+920</td><td>2447232.225</td><td>473640.17</td><td>33°28'26″</td></tr><tr><td>+940</td><td>2447247.817</td><td>473652.651</td><td>43°34'18″</td></tr><tr><td>+960</td><td>2447262.308</td><td>473666.437</td><td>43°34'18″</td></tr><tr><td>+980</td><td>2447276.798</td><td>473680.222</td><td>43°34'18″</td></tr><tr><td>K2+000</td><td>2447291.288</td><td>473694.007</td><td>43°34'18″</td></tr><tr><td>+020</td><td>2447306.104</td><td>473707.427</td><td>38°10'0″</td></tr><tr><td>+040</td><td>2447322.863</td><td>473718.293</td><td>27°44'57″</td></tr><tr><td>+060</td><td>2447340.836</td><td>473727.064</td><td>25°50'9″</td></tr><tr><td>+080</td><td>2447358.837</td><td>473735.78</td><td>25°50'9″</td></tr><tr><td>+100</td><td>2447376.838</td><td>473744.495</td><td>25°50'9″</td></tr><tr><td>+120</td><td>2447394.694</td><td>473753.495</td><td>29°4'18″</td></tr><tr><td>+140</td><td>2447412.174</td><td>473763.213</td><td>29°4'18″</td></tr><tr><td>+160</td><td>2447429.655</td><td>473772.931</td><td>29°4'18″</td></tr><tr><td>+180</td><td>2447447.192</td><td>473782.542</td><td>26°46'12″</td></tr><tr><td>+200</td><td>2447465.56</td><td>473790.429</td><td>21°13'42″</td></tr><tr><td>+220</td><td>2447484.203</td><td>473797.671</td><td>21°13'42″</td></tr><tr><td>+240</td><td>2447502.846</td><td>473804.913</td><td>21°13'42″</td></tr><tr><td>+260</td><td>2447521.518</td><td>473812.079</td><td>20°12'2″</td></tr><tr><td>+280</td><td>2447540.325</td><td>473818.882</td><td>19°51'38″</td></tr><tr><td>+300</td><td>2447559.136</td><td>473825.677</td><td>19°51'38″</td></tr><tr><td>+320</td><td>2447577.946</td><td>473832.471</td><td>19°51'38″</td></tr><tr><td>+340</td><td>2447596.757</td><td>473839.266</td><td>19°48'11″</td></tr><tr><td>+360</td><td>2447615.704</td><td>473845.664</td><td>17°30'40″</td></tr><tr><td>+380</td><td>2447634.784</td><td>473851.661</td><td>17°26'54″</td></tr></table> | | | | 桩号 | 坐标(米) | | 方位角 | X | Y | +920 | 2447232.225 | 473640.17 | 33°28'26″ | +940 | 2447247.817 | 473652.651 | 43°34'18″ | +960 | 2447262.308 | 473666.437 | 43°34'18″ | +980 | 2447276.798 | 473680.222 | 43°34'18″ | K2+000 | 2447291.288 | 473694.007 | 43°34'18″ | +020 | 2447306.104 | 473707.427 | 38°10'0″ | +040 | 2447322.863 | 473718.293 | 27°44'57″ | +060 | 2447340.836 | 473727.064 | 25°50'9″ | +080 | 2447358.837 | 473735.78 | 25°50'9″ | +100 | 2447376.838 | 473744.495 | 25°50'9″ | +120 | 2447394.694 | 473753.495 | 29°4'18″ | +140 | 2447412.174 | 473763.213 | 29°4'18″ | +160 | 2447429.655 | 473772.931 | 29°4'18″ | +180 | 2447447.192 | 473782.542 | 26°46'12″ | +200 | 2447465.56 | 473790.429 | 21°13'42″ | +220 | 2447484.203 | 473797.671 | 21°13'42″ | +240 | 2447502.846 | 473804.913 | 21°13'42″ | +260 | 2447521.518 | 473812.079 | 20°12'2″ | +280 | 2447540.325 | 473818.882 | 19°51'38″ | +300 | 2447559.136 | 473825.677 | 19°51'38″ | +320 | 2447577.946 | 473832.471 | 19°51'38″ | +340 | 2447596.757 | 473839.266 | 19°48'11″ | +360 | 2447615.704 | 473845.664 | 17°30'40″ | +380 | 2447634.784 | 473851.661 | 17°26'54″ | <table><tr><th rowspan="2">桩号</th><th colspan="2">坐标(米)</th><th rowspan="2">方位角</th></tr><tr><th>X</th><th>Y</th></tr><tr><td>+400</td><td>2447653.864</td><td>473857.658</td><td>17°26'54″</td></tr><tr><td>+420</td><td>2447672.943</td><td>473863.655</td><td>17°26'54″</td></tr><tr><td>+440</td><td>2447692.023</td><td>473869.651</td><td>17°26'54″</td></tr><tr><td>+460</td><td>2447711.103</td><td>473875.648</td><td>17°26'54″</td></tr><tr><td>+480</td><td>2447728.105</td><td>473885.573</td><td>48°45'42″</td></tr><tr><td>+500</td><td>2447741.072</td><td>473900.8</td><td>49°35'41″</td></tr><tr><td>+520</td><td>2447754.697</td><td>473915.389</td><td>38°35'26″</td></tr><tr><td>+540</td><td>2447771.874</td><td>473925.573</td><td>28°23'55″</td></tr><tr><td>+560</td><td>2447789.467</td><td>473935.085</td><td>28°23'55″</td></tr><tr><td>+580</td><td>2447807.048</td><td>473944.619</td><td>29°26'24″</td></tr><tr><td>+600</td><td>2447823.76</td><td>473955.579</td><td>37°4'46″</td></tr><tr><td>+620</td><td>2447838.869</td><td>473968.661</td><td>44°15'54″</td></tr><tr><td>+640</td><td>2447853.192</td><td>473982.621</td><td>44°15'54″</td></tr><tr><td>+660</td><td>2447867.55</td><td>473996.542</td><td>43°11'40″</td></tr><tr><td>+680</td><td>2447882.57</td><td>474009.744</td><td>39°51'13″</td></tr><tr><td>+700</td><td>2447897.923</td><td>474022.561</td><td>39°51'13″</td></tr><tr><td>+720</td><td>2447913.277</td><td>474035.377</td><td>39°51'13″</td></tr><tr><td>+740</td><td>2447928.631</td><td>474048.194</td><td>39°51'13″</td></tr><tr><td>+760</td><td>2447944.03</td><td>474060.955</td><td>38°48'21″</td></tr><tr><td>+780</td><td>2447959.616</td><td>474073.488</td><td>38°48'21″</td></tr><tr><td>+800</td><td>2447975.201</td><td>474086.022</td><td>38°48'21″</td></tr><tr><td>+820</td><td>2447990.785</td><td>474098.557</td><td>41°3'33″</td></tr><tr><td>+840</td><td>2448005.866</td><td>474111.694</td><td>41°3'33″</td></tr><tr><td>+860</td><td>2448020.946</td><td>474124.831</td><td>41°3'33″</td></tr></table> | | | | 桩号 | 坐标(米) | | 方位角 | X | Y | +400 | 2447653.864 | 473857.658 | 17°26'54″ | +420 | 2447672.943 | 473863.655 | 17°26'54″ | +440 | 2447692.023 | 473869.651 | 17°26'54″ | +460 | 2447711.103 | 473875.648 | 17°26'54″ | +480 | 2447728.105 | 473885.573 | 48°45'42″ | +500 | 2447741.072 | 473900.8 | 49°35'41″ | +520 | 2447754.697 | 473915.389 | 38°35'26″ | +540 | 2447771.874 | 473925.573 | 28°23'55″ | +560 | 2447789.467 | 473935.085 | 28°23'55″ | +580 | 2447807.048 | 473944.619 | 29°26'24″ | +600 | 2447823.76 | 473955.579 | 37°4'46″ | +620 | 2447838.869 | 473968.661 | 44°15'54″ | +640 | 2447853.192 | 473982.621 | 44°15'54″ | +660 | 2447867.55 | 473996.542 | 43°11'40″ | +680 | 2447882.57 | 474009.744 | 39°51'13″ | +700 | 2447897.923 | 474022.561 | 39°51'13″ | +720 | 2447913.277 | 474035.377 | 39°51'13″ | +740 | 2447928.631 | 474048.194 | 39°51'13″ | +760 | 2447944.03 | 474060.955 | 38°48'21″ | +780 | 2447959.616 | 474073.488 | 38°48'21″ | +800 | 2447975.201 | 474086.022 | 38°48'21″ | +820 | 2447990.785 | 474098.557 | 41°3'33″ | +840 | 2448005.866 | 474111.694 | 41°3'33″ | +860 | 2448020.946 | 474124.831 | 41°3'33″ |
| 桩号 | 坐标(米) | | 方位角 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | X | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +440 | 2446765.851 | 473671.766 | 10°40'18″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +460 | 2446785.712 | 473673.946 | 1°51'25″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +480 | 2446805.672 | 473673.057 | 353°2'32″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +500 | 2446825.261 | 473669.12 | 344°13'39″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +520 | 2446844.014 | 473662.227 | 335°24'46″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +540 | 2446861.856 | 473653.194 | 332°44'33″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +560 | 2446879.636 | 473644.034 | 332°50'45″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +580 | 2446897.986 | 473636.118 | 340°29'7″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +600 | 2446917.226 | 473630.712 | 348°7'29″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +620 | 2446936.902 | 473627.127 | 349°52'34″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +640 | 2446956.59 | 473623.612 | 349°52'34″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +660 | 2446976.299 | 473620.217 | 352°27'34″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +680 | 2446996.252 | 473619.253 | 2°0'31″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +700 | 2447016.176 | 473620.961 | 5°33'38″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +720 | 2447036.082 | 473622.899 | 5°33'38″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +740 | 2447055.987 | 473624.836 | 5°33'38″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +760 | 2447075.925 | 473626.307 | 0°29'46″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +780 | 2447095.907 | 473625.523 | 357°10'33″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +800 | 2447115.882 | 473624.537 | 357°10'33″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +820 | 2447135.858 | 473623.552 | 357°10'33″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +840 | 2447155.834 | 473622.567 | 357°10'33″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +860 | 2447175.818 | 473622.008 | 2°13'17″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +880 | 2447195.623 | 473624.59 | 12°38'20″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +900 | 2447214.634 | 473630.712 | 23°3'23″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 桩号 | 坐标(米) | | 方位角 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | X | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +920 | 2447232.225 | 473640.17 | 33°28'26″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +940 | 2447247.817 | 473652.651 | 43°34'18″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +960 | 2447262.308 | 473666.437 | 43°34'18″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +980 | 2447276.798 | 473680.222 | 43°34'18″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| K2+000 | 2447291.288 | 473694.007 | 43°34'18″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +020 | 2447306.104 | 473707.427 | 38°10'0″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +040 | 2447322.863 | 473718.293 | 27°44'57″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +060 | 2447340.836 | 473727.064 | 25°50'9″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +080 | 2447358.837 | 473735.78 | 25°50'9″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +100 | 2447376.838 | 473744.495 | 25°50'9″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +120 | 2447394.694 | 473753.495 | 29°4'18″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +140 | 2447412.174 | 473763.213 | 29°4'18″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +160 | 2447429.655 | 473772.931 | 29°4'18″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +180 | 2447447.192 | 473782.542 | 26°46'12″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +200 | 2447465.56 | 473790.429 | 21°13'42″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +220 | 2447484.203 | 473797.671 | 21°13'42″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +240 | 2447502.846 | 473804.913 | 21°13'42″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +260 | 2447521.518 | 473812.079 | 20°12'2″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +280 | 2447540.325 | 473818.882 | 19°51'38″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +300 | 2447559.136 | 473825.677 | 19°51'38″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +320 | 2447577.946 | 473832.471 | 19°51'38″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +340 | 2447596.757 | 473839.266 | 19°48'11″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +360 | 2447615.704 | 473845.664 | 17°30'40″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +380 | 2447634.784 | 473851.661 | 17°26'54″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 桩号 | 坐标(米) | | 方位角 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | X | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +400 | 2447653.864 | 473857.658 | 17°26'54″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +420 | 2447672.943 | 473863.655 | 17°26'54″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +440 | 2447692.023 | 473869.651 | 17°26'54″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +460 | 2447711.103 | 473875.648 | 17°26'54″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +480 | 2447728.105 | 473885.573 | 48°45'42″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +500 | 2447741.072 | 473900.8 | 49°35'41″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +520 | 2447754.697 | 473915.389 | 38°35'26″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +540 | 2447771.874 | 473925.573 | 28°23'55″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +560 | 2447789.467 | 473935.085 | 28°23'55″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +580 | 2447807.048 | 473944.619 | 29°26'24″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +600 | 2447823.76 | 473955.579 | 37°4'46″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +620 | 2447838.869 | 473968.661 | 44°15'54″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +640 | 2447853.192 | 473982.621 | 44°15'54″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +660 | 2447867.55 | 473996.542 | 43°11'40″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +680 | 2447882.57 | 474009.744 | 39°51'13″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +700 | 2447897.923 | 474022.561 | 39°51'13″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +720 | 2447913.277 | 474035.377 | 39°51'13″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +740 | 2447928.631 | 474048.194 | 39°51'13″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +760 | 2447944.03 | 474060.955 | 38°48'21″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +780 | 2447959.616 | 474073.488 | 38°48'21″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +800 | 2447975.201 | 474086.022 | 38°48'21″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +820 | 2447990.785 | 474098.557 | 41°3'33″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +840 | 2448005.866 | 474111.694 | 41°3'33″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +860 | 2448020.946 | 474124.831 | 41°3'33″ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table><tr><td rowspan="4"><div>恒企工程技术集团有限公司</div><div>建筑工程（建筑工程）：甲级；市政工程（道路、桥梁、给水、排水）：乙级； 城乡规划：乙级；工程咨询：乙级；风景园林工程：乙级；公路工程：丙级； 工程监理：（建筑工程）甲级、（市政工程）乙级；工程勘察：乙级 联系电话:0771-5605292 投诉电话:15994346269</div></td><td rowspan="4"></td><td>审 定</td><td>杨金璋</td><td>杨金璋</td><td>审 核</td><td>蒋文静</td><td>蒋文静</td><td>建 设 单 位</td><td>上思县农业农村局</td><td>图 号</td><td>DL-05</td></tr><tr><td rowspan="2">项目 负责人</td><td>韦耐荣</td><td>韦耐荣</td><td>专业负责人</td><td>蒋文静</td><td>蒋文静</td><td>工 程 名 称</td><td>2025年上思县道路维修项目（在妙镇）</td><td>设计号</td><td>HQA2508046</td></tr><tr><td></td><td></td><td>校 对</td><td>韦耐荣</td><td>韦耐荣</td><td rowspan="2">图 纸 名 称</td><td rowspan="2">道路逐桩坐标表</td><td>专 业</td><td>道路工程</td></tr><tr><td>设 计 人</td><td>覃巧芬</td><td>覃巧芬</td><td>设计阶段</td><td colspan="4">施工图设计</td><td>日 期</td><td>2025. 08</td></tr></table> | | | | | | | | | | | | | |  <div>恒企工程技术集团有限公司</div> <div>建筑工程（建筑工程）：甲级；市政工程（道路、桥梁、给水、排水）：乙级； 城乡规划：乙级；工程咨询：乙级；风景园林工程：乙级；公路工程：丙级； 工程监理：（建筑工程）甲级、（市政工程）乙级；工程勘察：乙级 联系电话:0771-5605292 投诉电话:15994346269</div> |  | 审 定 | 杨金璋 | 杨金璋 | 审 核 | 蒋文静 | 蒋文静 | 建 设 单 位 | 上思县农业农村局 | 图 号 | DL-05 | 项目 负责人 | 韦耐荣 | 韦耐荣 | 专业负责人 | 蒋文静 | 蒋文静 | 工 程 名 称 | 2025年上思县道路维修项目（在妙镇） | 设计号 | HQA2508046 | | | 校 对 | 韦耐荣 | 韦耐荣 | 图 纸 名 称 | 道路逐桩坐标表 | 专 业 | 道路工程 | 设 计 人 | 覃巧芬 | 覃巧芬 | 设计阶段 | 施工图设计 | | | | 日 期 | 2025. 08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | 项目 负责人 | 韦耐荣 | 韦耐荣 | 专业负责人 | 蒋文静 | 蒋文静 | 工 程 名 称 | 2025年上思县道路维修项目（在妙镇） | 设计号 | HQA2508046 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 校 对 | 韦耐荣 | 韦耐荣 | 图 纸 名 称 | 道路逐桩坐标表 | 专 业 | 道路工程 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 设 计 人 | 覃巧芬 | 覃巧芬 | 设计阶段 | 施工图设计 | | | | 日 期 | 2025. 08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

逐 桩 坐 标 表

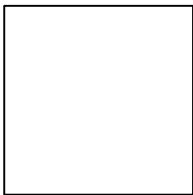
| 桩号 | 坐标(米) | | 方位角 |
|---------|-------------|------------|-----------|
| | X | Y | |
| +880 | 2448037.512 | 474135.839 | 22°34′22″ |
| +900 | 2448056.935 | 474140.349 | 9°8′16″ |
| +920 | 2448075.661 | 474146.377 | 40°48′1″ |
| +940 | 2448087.939 | 474161.982 | 36°44′52″ |
| +960 | 2448106.075 | 474170.325 | 23°4′39″ |
| +980 | 2448124.475 | 474178.164 | 23°4′39″ |
| K3+000 | 2448142.874 | 474186.004 | 23°4′39″ |
| +020 | 2448161.274 | 474193.843 | 23°4′39″ |
| +040 | 2448179.348 | 474202.397 | 26°14′32″ |
| +060 | 2448197.287 | 474211.241 | 26°14′32″ |
| +080 | 2448215.526 | 474219.397 | 18°23′49″ |
| +100 | 2448235.092 | 474223.284 | 4°4′22″ |
| +120 | 2448255.079 | 474223.07 | 0°30′7″ |
| +140 | 2448274.849 | 474225.731 | 14°49′33″ |
| +160 | 2448293.947 | 474231.621 | 22°18′11″ |
| +180 | 2448311.326 | 474241.418 | 35°22′21″ |
| +200 | 2448328.804 | 474251.036 | 22°34′17″ |
| +220 | 2448347.272 | 474258.713 | 22°34′17″ |
| +240 | 2448366.026 | 474265.622 | 17°36′52″ |
| +246.48 | 2448372.202 | 474267.583 | 17°36′52″ |



恒企工程技术集团有限公司

建筑工程（建筑工程）：甲级；市政工程（道路、桥梁、给水、排水）：乙级；
城乡规划：乙级；工程咨询：乙级；风景园林工程：乙级；公路工程：丙级；
工程监理：（建筑工程）甲级、（市政工程）乙级；工程勘察：乙级

联系电话:0771-5605292 投诉电话:15994346269



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| 审 定 | 杨金璋 | 杨金璋 | 审 核 | 蒋文静 | 蒋文静 |
| 项目负责人 | 韦耐荣 | 韦耐荣 | 专业负责人 | 蒋文静 | 蒋文静 |
| | | | 校 对 | 韦耐荣 | 韦耐荣 |
| 设 计 人 | 覃巧芬 | 覃巧芬 | 设计阶段 | 施工图设计 | |

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| 建 设 单 位 | 上思县农业农村局 | 图号 | DL-05 |
| 工 程 名 称 | 2025年上思县道路维修项目（在妙镇） | 设计号 | HQA2508046 |
| | | 专 业 | 道路工程 |
| 图 纸 名 称 | 道路逐桩坐标表 | 日 期 | 2025. 08 |

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| | | | 逐 桩 坐 标 表 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | <table><tr><th rowspan="2">桩号</th><th colspan="2">坐标(米)</th><th rowspan="2">方位角</th></tr><tr><th>X</th><th>Y</th></tr><tr><td>+440</td><td>2446404.063</td><td>476371.623</td><td>12°9'2"</td></tr><tr><td>+460</td><td>2446423.908</td><td>476373.978</td><td>4°58'0"</td></tr><tr><td>+480</td><td>2446443.833</td><td>476375.71</td><td>4°58'0"</td></tr><tr><td>+500</td><td>2446463.802</td><td>476376.573</td><td>0°21'28"</td></tr><tr><td>+520</td><td>2446483.802</td><td>476376.698</td><td>0°13'28"</td></tr><tr><td>+540</td><td>2446503.739</td><td>476375.257</td><td>354°22'23"</td></tr><tr><td>+560</td><td>2446523.642</td><td>476373.296</td><td>354°22'23"</td></tr><tr><td>+571.315</td><td>2446534.571</td><td>476370.518</td><td>340°56'5"</td></tr></table> | | | 桩号 | 坐标(米) | | 方位角 | X | Y | +440 | 2446404.063 | 476371.623 | 12°9'2" | +460 | 2446423.908 | 476373.978 | 4°58'0" | +480 | 2446443.833 | 476375.71 | 4°58'0" | +500 | 2446463.802 | 476376.573 | 0°21'28" | +520 | 2446483.802 | 476376.698 | 0°13'28" | +540 | 2446503.739 | 476375.257 | 354°22'23" | +560 | 2446523.642 | 476373.296 | 354°22'23" | +571.315 | 2446534.571 | 476370.518 | 340°56'5" |
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| +571.315 | 2446534.571 | 476370.518 | 340°56'5" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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